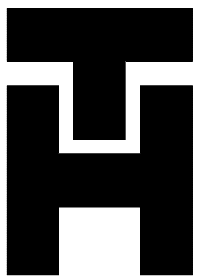


**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 1**

**J – 26146.0000**



Prepared by:

**THOMAS & HUTTON**



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Rainfall Amount(in): 0.000                      Time of Conc(min): 25.00  
Area(ac): 3.210                                  Time Shift(hrs): 0.00  
Curve Number: 83.00                            Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: H    Node: H    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 54.00  
Area(ac): 8.140    Time Shift(hrs): 0.00  
Curve Number: 82.80    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: I    Node: J    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 69.00  
Area(ac): 8.230    Time Shift(hrs): 0.00  
Curve Number: 78.70    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: J    Node: J    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 45.00  
Area(ac): 12.030    Time Shift(hrs): 0.00  
Curve Number: 77.00    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: K    Node: K    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 31.00  
Area(ac): 27.010    Time Shift(hrs): 0.00  
Curve Number: 77.80    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond A                                        Node: Pond A                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 29.00  
Area(ac): 9.570    Time Shift(hrs): 0.00  
Curve Number: 83.40    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond B                                        Node: Pond B                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 22.00  
Area(ac): 16.260    Time Shift(hrs): 0.00  
Curve Number: 82.00    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond C                                        Node: Pond C                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 35.00  
Area(ac): 10.020 Time Shift(hrs): 0.00  
Curve Number: 80.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X1 Node: A\_dn Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 45.00  
Area(ac): 5.940 Time Shift(hrs): 0.00  
Curve Number: 89.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X2 Node: X2 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 11.470 Time Shift(hrs): 0.00  
Curve Number: 88.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X3 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 13.300 Time Shift(hrs): 0.00  
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X4 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 53.00  
Area(ac): 66.070 Time Shift(hrs): 0.00  
Curve Number: 88.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X5 Node: X5 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 9.00  
Area(ac): 10.610 Time Shift(hrs): 0.00  
Curve Number: 77.50 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X6 Node: X6 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00  
Area(ac): 21.360 Time Shift(hrs): 0.00  
Curve Number: 79.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: Alt1                    Base Flow(cfs): 0.000       Init Stage(ft): 18.800
Group: BASE                   Warn Stage(ft): 25.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

-----  
 Name: B\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 20.800  
 Group: BASE                    Warn Stage(ft): 24.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: B\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 21.200  
 Group: BASE                    Warn Stage(ft): 24.200  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: BNDRY                    Base Flow(cfs): 0.000            Init Stage(ft): 16.000  
 Group: BASE                    Warn Stage(ft): 23.000  
 Type: Time/Stage

-----  
 Time(hrs)            Stage(ft)  
 -----  
           0.00            16.000  
           999.00         16.000

-----  
 Name: BNDRY\_Off                Base Flow(cfs): 0.000            Init Stage(ft): 23.280  
 Group: BASE                    Warn Stage(ft): 27.210  
 Type: Time/Stage

-----  
 Time(hrs)            Stage(ft)  
 -----  
           0.00            23.280  
           999.00         23.280

-----  
 Name: C\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 23.000  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: C\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 23.450  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
           23.450            0.0000  
           27.000            2.0000

-----  
 Name: D                        Base Flow(cfs): 0.000            Init Stage(ft): 22.800  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E                        Base Flow(cfs): 0.000            Init Stage(ft): 20.200  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
           20.200            0.0000  
           27.000            0.0100

Name: E1                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E2                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
 Group: BASE                      Warn Stage(ft): 30.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E3                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.500  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E4                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.070  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F1                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.700  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: G\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.430  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     24.430                      0.0000  
     27.000                      0.0100

Name: G\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.000  
 Group: BASE                      Warn Stage(ft): 27.660  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     25.000                      0.0000  
     28.000                      0.0100

Name: H                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.810  
 Group: BASE                      Warn Stage(ft): 27.590







Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.000000
4.989	27.848	0.000000
9.978	27.742	0.000000
14.967	27.664	0.000000
19.956	27.618	0.000000
24.946	27.546	0.000000
29.935	27.485	0.000000
34.924	27.440	0.000000
39.913	27.395	0.000000
44.902	27.334	0.000000
49.891	27.294	0.000000
54.880	27.278	0.000000
59.869	27.285	0.000000
64.858	27.227	0.000000
69.848	27.132	0.000000
74.837	27.021	0.000000
79.826	26.941	0.000000
84.815	26.947	0.000000
89.804	26.838	0.000000
94.793	26.786	0.000000
99.782	26.781	0.000000
104.771	26.676	0.000000
109.760	26.597	0.000000
114.749	26.482	0.000000
119.739	26.294	0.000000
124.728	26.015	0.000000
129.717	25.807	0.000000
134.706	25.688	0.000000
139.695	25.666	0.000000
144.684	25.646	0.000000
149.673	25.455	0.000000
154.662	25.317	0.000000
159.651	25.305	0.000000
164.641	25.184	0.000000
169.630	25.118	0.000000
174.619	25.009	0.000000
179.608	25.019	0.000000
184.597	24.845	0.000000
189.586	24.775	0.000000
194.575	24.656	0.000000
199.564	24.564	0.000000
204.553	24.399	0.000000
209.543	24.423	0.000000
214.532	24.552	0.000000
219.521	24.569	0.000000
224.510	24.506	0.000000
229.499	24.299	0.000000
234.488	24.202	0.000000
239.477	24.133	0.000000
244.466	23.965	0.000000
249.455	24.004	0.000000
254.445	23.995	0.000000
259.434	23.927	0.000000
264.423	23.757	0.000000
269.412	23.692	0.000000
274.401	23.723	0.000000
279.390	23.716	0.000000
284.379	23.718	0.000000
289.368	23.667	0.000000
294.357	23.482	0.000000
299.346	23.291	0.000000
304.336	23.284	0.000000
309.325	23.308	0.000000
314.314	23.367	0.000000
319.303	23.453	0.000000
324.292	23.441	0.000000
329.281	23.437	0.000000
334.270	23.334	0.000000
339.259	23.344	0.000000
344.248	23.552	0.000000
349.238	23.673	0.000000
354.227	23.561	0.000000
359.216	23.401	0.000000
364.205	23.465	0.000000
369.194	23.459	0.000000
374.183	23.468	0.000000
379.172	23.439	0.000000
384.161	23.368	0.000000
389.150	23.357	0.000000
394.140	23.329	0.000000
399.129	23.386	0.000000
404.118	23.269	0.000000
409.107	23.250	0.000000
414.096	23.048	0.000000

Highway 9  
Alternative 1 - Input Report

---

419.085	23.404	0.000000
424.035	23.719	0.000000
428.984	23.699	0.000000
433.934	23.635	0.000000
438.883	23.831	0.000000
443.833	23.773	0.000000
448.782	23.687	0.000000
453.732	23.670	0.000000
458.681	23.644	0.000000
463.577	23.500	0.000000
466.686	19.000	0.000000
471.453	18.000	0.000000
476.327	19.100	0.000000
481.835	22.600	0.000000
488.379	22.690	0.000000
493.328	22.970	0.000000
498.278	23.051	0.000000
503.227	23.213	0.000000
508.177	23.369	0.000000
513.126	23.248	0.000000
518.076	22.896	0.000000
523.026	22.914	0.000000
527.975	23.366	0.000000
532.925	23.746	0.000000
537.874	23.983	0.000000
542.824	24.148	0.000000
547.773	24.249	0.000000
552.723	24.318	0.000000
557.694	24.398	0.000000
562.665	24.446	0.000000
567.636	24.415	0.000000
572.607	24.460	0.000000
577.578	24.609	0.000000
582.549	24.687	0.000000
587.520	24.775	0.000000
592.491	24.833	0.000000
597.462	24.897	0.000000
602.433	24.892	0.000000
607.405	24.926	0.000000
612.376	24.952	0.000000
617.347	24.996	0.000000
622.318	24.978	0.000000
627.289	25.031	0.000000
632.260	25.111	0.000000
637.231	25.162	0.000000
642.202	25.210	0.000000
647.173	25.259	0.000000
652.042	25.284	0.000000
656.912	25.391	0.000000
661.781	25.378	0.000000
666.650	25.393	0.000000
671.519	25.495	0.000000
676.389	25.514	0.000000
681.258	25.594	0.000000
686.127	25.668	0.000000
690.996	25.721	0.000000
695.866	25.762	0.000000
700.735	25.845	0.000000
705.604	25.898	0.000000
710.473	25.941	0.000000
715.343	25.980	0.000000
720.212	26.045	0.000000
725.081	26.084	0.000000
729.950	26.150	0.000000
734.820	26.262	0.000000
739.689	26.367	0.000000
744.558	26.403	0.000000
749.427	26.484	0.000000
754.296	26.525	0.000000
759.166	26.520	0.000000
764.041	26.596	0.000000
768.916	26.573	0.000000
773.791	26.604	0.000000
778.666	26.521	0.000000
783.542	26.453	0.000000
788.417	26.439	0.000000
793.292	26.512	0.000000
798.167	26.538	0.000000
803.042	26.559	0.000000
807.918	26.496	0.000000
812.793	26.436	0.000000
817.668	26.375	0.000000
822.543	26.431	0.000000
827.418	26.423	0.000000
832.293	26.384	0.000000
837.169	26.479	0.000000
842.044	26.492	0.000000
846.919	26.562	0.000000



Highway 9  
Alternative 1 - Input Report

---

354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
452.753	23.500	0.045000
463.953	18.000	0.045000
471.453	18.000	0.045000
478.953	18.000	0.045000
488.953	23.000	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000



Highway 9  
 Alternative 1 - Input Report

329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000
398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

Name: A1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000

Highway 9  
Alternative 1 - Input Report

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291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000





Highway 9  
 Alternative 1 - Input Report

394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000

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 Name: A2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000

Highway 9  
Alternative 1 - Input Report

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44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000







Highway 9  
 Alternative 1 - Input Report

59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: El  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000





Highway 9  
Alternative 1 - Input Report

249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000

Highway 9  
Alternative 1 - Input Report

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163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

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Name: E4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000

Highway 9  
Alternative 1 - Input Report

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412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000





Highway 9  
Alternative 1 - Input Report

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233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000
636.840	29.030	0.045000

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Name: HWY 57 N  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000
246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000







Highway 9  
Alternative 1 - Input Report

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53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000



Highway 9  
Alternative 1 - Input Report

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374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000



Highway 9  
Alternative 1 - Input Report

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371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000

Highway 9  
 Alternative 1 - Input Report

833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000
14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000



Highway 9  
Alternative 1 - Input Report

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39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000
312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000

Highway 9  
Alternative 1 - Input Report

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475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000



Highway 9  
Alternative 1 - Input Report

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196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000
606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000

Highway 9  
 Alternative 1 - Input Report

631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

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 Name: X8  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000
122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000

Highway 9  
Alternative 1 - Input Report

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146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000

Highway 9  
Alternative 1 - Input Report

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581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000
990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000





Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: H-I                      From Node: H                      Length(ft): 170.00
Group: BASE                     To Node: I                      Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.50
                                Exit Loss Coef: 0.50
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

      UPSTREAM                DOWNSTREAM
Geometry: Circular            Circular
Span(in): 36.00              36.00
Rise(in): 36.00              36.00
Invert(ft): 21.810           20.750
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: JB-Out                    From Node: JB                    Length(ft): 263.00
Group: BASE                     To Node: BNDRY_Off              Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.00
                                Exit Loss Coef: 1.00
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

      UPSTREAM                DOWNSTREAM
Geometry: Circular            Circular
Span(in): 30.00              30.00
Rise(in): 30.00              30.00
Invert(ft): 24.130           23.280
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: Pond C                    From Node: C_up                 Length(ft): 90.00
Group: BASE                     To Node: C_dn                  Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.20
                                Exit Loss Coef: 0.50
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

      UPSTREAM                DOWNSTREAM
Geometry: Circular            Circular
Span(in): 36.00              36.00
Rise(in): 36.00              36.00
Invert(ft): 23.450           23.000
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

=====  
 === Channels =====  
 =====

```

Name: A-Alt1                    From Node: A_dn                 Length(ft): 300.00
Group: BASE                     To Node: Alt1                  Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Automatic
                                Flow: Both
                                Contraction Coef: 0.100
                                Expansion Coef: 0.300

      UPSTREAM                DOWNSTREAM
Geometry: Irregular            Irregular
Invert(ft): 19.600            18.800
TClpIniz(ft): 9999.000        9999.000
Manning's N:
  
```

Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: 1\_Mod 0\_Mod Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: A1 From Node: A1 Length(ft): 244.00  
 Group: BASE To Node: A\_up Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 20.000 20.110 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: A1 HWY 9 US Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: A2 From Node: A2 Length(ft): 375.00  
 Group: BASE To Node: A1 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 20.000 20.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: A2 A1 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: A3 From Node: A3 Length(ft): 170.00  
 Group: BASE To Node: A2 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 20.100 20.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: A3 A2 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

```

Name: Alt1-X3          From Node: Alt1          Length(ft): 316.00
Group: BASE           To Node: X3              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular   Irregular           Solution Algorithm: Automatic
Invert(ft): 18.800    18.000              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
Main XSec: 0          0                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000   0.000               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000   0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: B-A             From Node: B_dn          Length(ft): 346.00
Group: BASE           To Node: A_up           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal           Solution Algorithm: Automatic
Invert(ft): 20.800    20.110              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N: 0.035000 0.035000            Expansion Coef: 0.300
Top Clip(ft): 0.000   0.000               Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000   0.000               Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000   4.000
LtSdSlp(h/v): 2.00    2.00
RtSdSlp(h/v): 2.00    2.00

```

```

-----
Name: C-B             From Node: C_dn          Length(ft): 846.00
Group: BASE           To Node: B_up           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal           Solution Algorithm: Automatic
Invert(ft): 23.000    21.200              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N: 0.035000 0.035000            Expansion Coef: 0.300
Top Clip(ft): 0.000   0.000               Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000   0.000               Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000   4.000
LtSdSlp(h/v): 2.00    2.00
RtSdSlp(h/v): 2.00    2.00

```

```

-----
Name: D-E             From Node: D             Length(ft): 236.00
Group: BASE           To Node: E              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal           Solution Algorithm: Automatic
Invert(ft): 22.800    20.200              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N: 0.035000 0.035000            Expansion Coef: 0.300
Top Clip(ft): 0.000   0.000               Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000   0.000               Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):

```

Depth(ft):  
 Bot Width(ft): 6.000            6.000  
 LtSdSlp(h/v): 2.00            2.00  
 RtSdSlp(h/v): 2.00            2.00

```

-----
Name: E                            From Node: E                            Length(ft): 97.00
Group: BASE                        To Node: A3                            Count: 1

                  UPSTREAM            DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular            Irregular                            Solution Algorithm: Automatic
Invert(ft): 20.200            20.100                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                            Contraction Coef: 0.100
Manning's N:                                                                    Expansion Coef: 0.300
Top Clip(ft):                                                                   Entrance Loss Coef: 0.000
Bot Clip(ft):                                                                   Exit Loss Coef: 0.000
Main XSec: E                                                                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000            0.000                                Inlet Ctrl Spec: Use dc
Aux XSec1:                                                                        Stabilizer Option: None
AuxElev2(ft): 0.000            0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: E1                            From Node: E1                            Length(ft): 354.00
Group: BASE                        To Node: E                            Count: 1

                  UPSTREAM            DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular            Irregular                            Solution Algorithm: Automatic
Invert(ft): 21.000            20.200                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                            Contraction Coef: 0.100
Manning's N:                                                                    Expansion Coef: 0.300
Top Clip(ft):                                                                   Entrance Loss Coef: 0.000
Bot Clip(ft):                                                                   Exit Loss Coef: 0.000
Main XSec: E1                                                                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000            0.000                                Inlet Ctrl Spec: Use dc
Aux XSec1:                                                                        Stabilizer Option: None
AuxElev2(ft): 0.000            0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: E2                            From Node: E2                            Length(ft): 350.00
Group: BASE                        To Node: E1                            Count: 1

                  UPSTREAM            DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular            Irregular                            Solution Algorithm: Automatic
Invert(ft): 21.500            21.000                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                            Contraction Coef: 0.100
Manning's N:                                                                    Expansion Coef: 0.300
Top Clip(ft):                                                                   Entrance Loss Coef: 0.000
Bot Clip(ft):                                                                   Exit Loss Coef: 0.000
Main XSec: E2                                                                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000            0.000                                Inlet Ctrl Spec: Use dc
Aux XSec1:                                                                        Stabilizer Option: None
AuxElev2(ft): 0.000            0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: E3                            From Node: E3                            Length(ft): 500.00
Group: BASE                        To Node: E2                            Count: 1

                  UPSTREAM            DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular            Irregular                            Solution Algorithm: Automatic
Invert(ft): 22.500            21.500                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                            Contraction Coef: 0.100
Manning's N:                                                                    Expansion Coef: 0.300
  
```

Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E3 E2 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: E4 From Node: E4 Length(ft): 255.00  
 Group: BASE To Node: E3 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 23.000 22.500 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E4 E3 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: E5 From Node: HWY57\_S Length(ft): 570.00  
 Group: BASE To Node: E4 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 24.200 23.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: HWY 57 S E4 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: F From Node: F Length(ft): 103.00  
 Group: BASE To Node: E Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 19.070 20.200 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: F E Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

---

Name: F1	From Node: F1	Length(ft): 293.00
Group: BASE	To Node: F	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.700	19.070	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: F1	F	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

---

Name: G-F1	From Node: G_dn	Length(ft): 285.00
Group: BASE	To Node: F1	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 24.430	22.740	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 3.00	3.00	
RtSdSlp(h/v): 3.00	3.00	

---

Name: I-J	From Node: I	Length(ft): 296.00
Group: BASE	To Node: J	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.750	22.500	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.045000		Expansion Coef: 0.300
Top Clip(ft): 0.000		Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000		Exit Loss Coef: 0.000
Main XSec:	J	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 6.000		
LtSdSlp(h/v): 2.00		
RtSdSlp(h/v): 2.00		

---

Name: J	From Node: J	Length(ft): 558.00
Group: BASE	To Node: F1	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 22.500	19.700	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: J	F1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		

Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

```

-----
Name: J1                From Node: J1                Length(ft): 622.00
Group: BASE             To Node: J                    Count: 1

      UPSTREAM          DOWNSTREAM
Geometry: Irregular    Irregular
Invert(ft): 23.500     22.500
TClpInitZ(ft): 9999.000 9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: J1          J
AuxElev1(ft): 0.000    0.000
Aux XSec1:
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: K                  From Node: K                  Length(ft): 700.00
Group: BASE             To Node: J1                   Count: 1

      UPSTREAM          DOWNSTREAM
Geometry: Irregular    Irregular
Invert(ft): 25.000     23.500
TClpInitZ(ft): 9999.000 9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: K           J1
AuxElev1(ft): 0.000    0.000
Aux XSec1:
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: K1                 From Node: HWY57_N           Length(ft): 647.00
Group: BASE             To Node: K                    Count: 1

      UPSTREAM          DOWNSTREAM
Geometry: Irregular    Irregular
Invert(ft): 25.500     25.000
TClpInitZ(ft): 9999.000 9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: HWY 57 N    K
AuxElev1(ft): 0.000    0.000
Aux XSec1:
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: Out-X7            From Node: X3                Length(ft): 2057.00
Group: BASE             To Node: X7                   Count: 1

      UPSTREAM          DOWNSTREAM
Geometry: Irregular    Irregular
Invert(ft): 18.000     17.000
TClpInitZ(ft): 9999.000 9999.000
Manning's N:

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300

```

Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: X4 X7 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: X2-Out From Node: X2 Length(ft): 750.00  
 Group: BASE To Node: X3 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Trapezoidal Trapezoidal Solution Algorithm: Automatic  
 Invert(ft): 18.500 18.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: 0.045000 0.045000 Expansion Coef: 0.300  
 Top Clip(ft): 0.000 0.000 Entrance Loss Coef: 0.000  
 Bot Clip(ft): 0.000 0.000 Exit Loss Coef: 0.000  
 Main XSec: Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft):  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft): 5.000 5.000  
 LtSdSlp(h/v): 2.00 2.00  
 RtSdSlp(h/v): 2.00 2.00

-----  
 Name: X7-X8 From Node: X7 Length(ft): 2100.00  
 Group: BASE To Node: BNDRY Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 17.000 16.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: X7 X8 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

=====  
 Drop Structures =====  
 =====

Name: Pond A\_Out From Node: Pond A Length(ft): 295.00  
 Group: BASE To Node: Pond C Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Circular Circular Solution Algorithm: Most Restrictive  
 Span(in): 48.00 48.00 Flow: Both  
 Rise(in): 48.00 48.00 Entrance Loss Coef: 0.200  
 Invert(ft): 21.460 19.380 Exit Loss Coef: 1.000  
 Manning's N: 0.013000 0.013000 Outlet Ctrl Spec: Use dc or tw  
 Top Clip(in): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Bot Clip(in): 0.000 0.000 Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*



TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 18.00 Invert(ft): 25.100  
 Rise(in): 16.80 Control Elev(ft): 25.100

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Circular Orifice Disc Coef: 0.600  
 Span(in): 8.00 Invert(ft): 23.390  
 Rise(in): 8.00 Control Elev(ft): 23.390

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 164.00 Invert(ft): 26.500  
 Rise(in): 99999.00 Control Elev(ft): 26.500

-----  
 Name: Pond\_B\_Out1 From Node: Pond B Length(ft): 115.00  
 Group: BASE To Node: JB Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 32.76 Control Elev(ft): 24.620

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 27.350  
 Rise(in): 24.00 Control Elev(ft): 27.350

-----  
 Name: Pond\_B\_Out2 From Node: Pond B Length(ft): 224.00  
 Group: BASE To Node: H Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 6.00	Control Elev(ft): 24.620	

Name: Pond C_Out	From Node: Pond C	Length(ft): 12.00
Group: BASE	To Node: F	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.550	
Rise(in): 26.00	Control Elev(ft): 23.550	

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 25.710	
Rise(in): 48.00	Control Elev(ft): 25.710	

Name: X5-X2	From Node: X5	Length(ft): 250.00
Group: BASE	To Node: X2	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.000	
Rise(in): 48.00	Control Elev(ft): 23.000	

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 6.00	Control Elev(ft): 22.000	

Name: X6-X7	From Node: X6	Length(ft): 100.00
Group: BASE	To Node: X7	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 48.00	Control Elev(ft): 22.000	

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 21.000	
Rise(in): 6.00	Control Elev(ft): 21.000	

==== Weirs =====

Name: A_Over	From Node: Pond A
Group: BASE	To Node: Pond C
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 10.00	
Left Side Slope(h/v): 20.00	
Right Side Slope(h/v): 20.00	
Invert(ft): 29.400	
Control Elevation(ft): 29.400	
Struct Opening Dim(ft): 9999.00	
	TABLE
Bottom Clip(ft): 0.000	
Top Clip(ft): 0.000	
Weir Discharge Coef: 3.200	
Orifice Discharge Coef: 0.600	

Name: B_Over	From Node: B_up
Group: BASE	To Node: B_dn
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 50.00	
Left Side Slope(h/v): 100.00	
Right Side Slope(h/v): 50.00	
Invert(ft): 27.300	
Control Elevation(ft): 27.300	

---

Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: C\_Over                      From Node: C\_up  
Group: BASE                      To Node: C\_dn  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 27.000  
Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: G\_Over                      From Node: G\_up  
Group: BASE                      To Node: G\_dn  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: H\_Over                      From Node: H  
Group: BASE                      To Node: I  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond A\_Over2               From Node: A\_up  
Group: BASE                      To Node: A\_dn  
Flow: Both                        Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600



Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\100-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\OCT-2015.R32

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)      Print Inc(min)  
-----  
120.000         5.00

-----  
Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\002-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year

Time(hrs)      Print Inc(min)  
-----  
9999.000        15.000

Group            Run  
-----  
BASE            Yes

-----  
Name: 010-yr                      Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\010-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                      Boundary Flows: 010-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      5.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: 025-yr                    Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\025-yr.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                Boundary Flows: 025-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: 050-yr                    Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\050-yr.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year                Boundary Flows: 050-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: 100-yr                    Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\100-yr.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year                Boundary Flows: 100-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: OCT-2015                    Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\OCT-2015.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 144.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: OCT-2015	Boundary Flows: OCT-2015

Time(hrs)	Print Inc(min)
-----	-----
999.000	15.000

Group	Run
-----	-----
BASE	Yes

Name: OCT-2016                      Hydrology Sim: OCT-2016  
 Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\OCT-2016.I32

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 72.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: OCT-2016	Boundary Flows: OCT-2016

Time(hrs)	Print Inc(min)
-----	-----
999.000	15.000

Group	Run
-----	-----
BASE	Yes

=====  
 === Boundary Conditions =====  
 =====

Name: 010-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
-----	-----
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000



Highway 9  
Alternative 1 - Input Report

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9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740
18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430

Highway 9  
Alternative 1 - Input Report

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31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110

Highway 9  
 Alternative 1 - Input Report

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53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000

Highway 9  
Alternative 1 - Input Report

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1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790

Highway 9  
Alternative 1 - Input Report

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23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750

Highway 9  
Alternative 1 - Input Report

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45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250

Highway 9  
 Alternative 1 - Input Report

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67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

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 Name: 050-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170

Highway 9  
Alternative 1 - Input Report

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15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590



Highway 9  
Alternative 1 - Input Report

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37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200

Highway 9  
 Alternative 1 - Input Report

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59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

-----  
 Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000

Highway 9  
Alternative 1 - Input Report

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8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160

Highway 9  
Alternative 1 - Input Report

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30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700

Highway 9  
 Alternative 1 - Input Report

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52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000

Highway 9  
Alternative 1 - Input Report

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0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510

Highway 9  
Alternative 1 - Input Report

---

22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840

Highway 9  
Alternative 1 - Input Report

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44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270



Highway 9  
 Alternative 1 - Input Report

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66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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 Name: 025-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980

Highway 9  
Alternative 1 - Input Report

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14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040

Highway 9  
Alternative 1 - Input Report

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36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830

Highway 9  
 Alternative 1 - Input Report

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58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

-----  
 Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850

Highway 9  
Alternative 1 - Input Report

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6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040

Highway 9  
Alternative 1 - Input Report

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28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160

Highway 9  
Alternative 1 - Input Report

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50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

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Name: 100-year	Node: HWY57_S	Type: Flow
Time(hrs)	Flow(cfs)	
0.000	0.000	
0.250	0.000	
0.500	0.000	
0.750	0.000	
1.000	0.000	
1.250	0.000	
1.500	0.000	
1.750	0.000	
2.000	0.000	
2.250	0.000	
2.500	0.000	
2.750	0.000	
3.000	0.000	
3.250	0.000	
3.500	0.000	
3.750	0.010	
4.000	0.040	
4.250	0.110	
4.500	0.230	
4.750	0.370	
5.000	0.500	
5.250	0.620	
5.500	0.740	
5.750	0.870	
6.000	1.020	
6.250	1.190	
6.500	1.390	
6.750	1.610	
7.000	1.880	
7.250	2.290	
7.500	2.740	
7.750	3.350	
8.000	4.230	
8.250	5.500	
8.500	7.210	
8.750	9.300	
9.000	11.770	
9.250	14.700	
9.500	17.990	
9.750	21.410	
10.000	24.970	
10.250	28.980	
10.500	33.380	
10.750	38.290	
11.000	43.660	
11.250	50.010	
11.500	57.010	
11.750	64.860	
12.000	77.380	
12.250	97.690	
12.500	107.220	
12.750	121.450	
13.000	195.810	
13.250	306.710	
13.500	323.800	
13.750	342.600	
14.000	422.620	
14.250	471.740	
14.500	491.620	
14.750	492.060	
15.000	472.850	
15.250	447.940	
15.500	422.930	
15.750	402.430	
16.000	383.950	
16.250	367.730	
16.500	362.840	
16.750	344.530	
17.000	340.760	
17.250	323.050	
17.500	290.280	
17.750	270.070	
18.000	253.640	
18.250	238.500	
18.500	224.480	
18.750	213.010	
19.000	200.930	
19.250	189.790	
19.500	179.630	
19.750	170.380	
20.000	162.680	
20.250	155.120	
20.500	148.970	



Highway 9  
Alternative 1 - Input Report

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20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760

Highway 9  
Alternative 1 - Input Report

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42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520

Highway 9  
 Alternative 1 - Input Report

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64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

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 Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380

Highway 9  
Alternative 1 - Input Report

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13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290

Highway 9  
Alternative 1 - Input Report

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35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620

Highway 9  
 Alternative 1 - Input Report

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57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

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 Name: 002-year

Node: HWY57\_S

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000

Highway 9  
Alternative 1 - Input Report

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5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230

Highway 9  
Alternative 1 - Input Report

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27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260



Highway 9  
Alternative 1 - Input Report

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49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890

Highway 9  
 Alternative 1 - Input Report

71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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 Name: OCT-2016                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000

Highway 9  
Alternative 1 - Input Report

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19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070

Highway 9  
Alternative 1 - Input Report

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41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760

Highway 9  
 Alternative 1 - Input Report

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63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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 Name: OCT-2016                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640
6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780
10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550

Highway 9  
Alternative 1 - Input Report

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11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630
16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840
18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540

Highway 9  
Alternative 1 - Input Report

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33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750

Highway 9  
 Alternative 1 - Input Report

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55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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 Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000



Highway 9  
Alternative 1 - Input Report

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4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000

Highway 9  
Alternative 1 - Input Report

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26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640

Highway 9  
Alternative 1 - Input Report

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48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900

Highway 9  
Alternative 1 - Input Report

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70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830

Highway 9  
Alternative 1 - Input Report

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92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930

Highway 9  
Alternative 1 - Input Report

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114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130

Highway 9  
 Alternative 1 - Input Report

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136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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 Name: OCT-2015                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000

Highway 9  
Alternative 1 - Input Report

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12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580



Highway 9  
Alternative 1 - Input Report

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34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970

Highway 9  
Alternative 1 - Input Report

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56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850

Highway 9  
Alternative 1 - Input Report

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78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460

Highway 9  
Alternative 1 - Input Report

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100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030

Highway 9  
Alternative 1 - Input Report

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122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

Name: 002-year		Node: BNDRY	Type: Stage
Time(hrs)	Stage(ft)		
0.000	16.000		
0.250	16.000		
0.500	16.000		
0.750	16.000		
1.000	16.000		
1.250	16.000		
1.500	16.000		
1.750	16.000		
2.000	16.000		
2.250	16.000		
2.500	16.000		
2.750	16.000		
3.000	16.000		
3.250	16.000		
3.500	16.000		
3.750	16.000		
4.000	16.000		
4.250	16.000		
4.500	16.000		
4.750	16.000		
5.000	16.000		
5.250	16.000		
5.500	16.000		
5.750	16.000		
6.000	16.000		
6.250	16.000		
6.500	16.000		
6.750	16.001		
7.000	16.001		
7.250	16.001		
7.500	16.002		
7.750	16.002		
8.000	16.003		
8.250	16.005		
8.500	16.006		
8.750	16.009		
9.000	16.012		
9.250	16.018		
9.500	16.028		
9.750	16.048		
10.000	16.070		
10.250	16.093		
10.500	16.118		
10.750	16.148		
11.000	16.183		
11.250	16.227		
11.500	16.282		
11.750	16.357		
12.000	16.354		
12.250	16.521		
12.500	16.906		
12.750	17.363		
13.000	17.820		
13.250	18.291		
13.500	18.687		
13.750	18.950		
14.000	19.094		
14.250	19.108		
14.500	19.105		
14.750	19.067		
15.000	18.979		
15.250	18.877		
15.500	18.774		
15.750	18.675		
16.000	18.575		
16.250	18.473		
16.500	18.372		
16.750	18.277		
17.000	18.189		
17.250	18.109		
17.500	18.037		
17.750	17.972		
18.000	17.920		
18.250	17.881		
18.500	17.843		
18.750	17.807		
19.000	17.774		
19.250	17.745		
19.500	17.719		
19.750	17.693		
20.000	17.669		
20.250	17.646		

Highway 9  
Alternative 1 - Input Report

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20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326

Highway 9  
Alternative 1 - Input Report

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42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107



Highway 9  
 Alternative 1 - Input Report

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64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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 Name: 010-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137

Highway 9  
Alternative 1 - Input Report

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12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946

Highway 9  
Alternative 1 - Input Report

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34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306

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56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

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 Name: 025-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001

Highway 9  
Alternative 1 - Input Report

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5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373

Highway 9  
Alternative 1 - Input Report

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27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405

Highway 9  
Alternative 1 - Input Report

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49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192

Highway 9  
 Alternative 1 - Input Report

71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600



Highway 9  
Alternative 1 - Input Report

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19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599

41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270

Highway 9  
 Alternative 1 - Input Report

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63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

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 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127

Highway 9  
Alternative 1 - Input Report

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11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199

Highway 9  
Alternative 1 - Input Report

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33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356

Highway 9  
 Alternative 1 - Input Report

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55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000

Highway 9  
Alternative 1 - Input Report

---

3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000
12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006

Highway 9  
Alternative 1 - Input Report

---

25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142



Highway 9  
Alternative 1 - Input Report

---

47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069

Highway 9  
Alternative 1 - Input Report

---

69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556

Highway 9  
Alternative 1 - Input Report

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91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399

113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442

Highway 9  
 Alternative 1 - Input Report

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135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

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 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616
6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873
11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623

Highway 9  
Alternative 1 - Input Report

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12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341
16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309
18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324

Highway 9  
Alternative 1 - Input Report

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34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048

Highway 9  
Alternative 1 - Input Report

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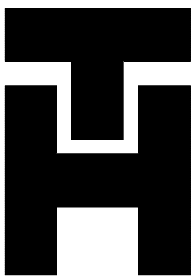
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56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
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67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386



**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 1A**

**J - 26146.0000**



Prepared by:

**THOMAS & HUTTON**



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Rainfall Amount(in): 0.000	Time of Conc(min): 25.00
Area(ac): 3.210	Time Shift(hrs): 0.00
Curve Number: 83.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

---

Name: H	Node: H	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 54.00	
Area(ac): 8.140	Time Shift(hrs): 0.00	
Curve Number: 82.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: I	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 69.00	
Area(ac): 8.230	Time Shift(hrs): 0.00	
Curve Number: 78.70	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: J	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 45.00	
Area(ac): 12.030	Time Shift(hrs): 0.00	
Curve Number: 77.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: K	Node: K	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 31.00	
Area(ac): 27.010	Time Shift(hrs): 0.00	
Curve Number: 77.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond A	Node: Pond A	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 29.00	
Area(ac): 9.570	Time Shift(hrs): 0.00	
Curve Number: 83.40	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond B	Node: Pond B	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 22.00	
Area(ac): 16.260	Time Shift(hrs): 0.00	
Curve Number: 82.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond C	Node: Pond C	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	



```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: B_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 20.800
Group: BASE                   Warn Stage(ft): 24.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

-----  
 Name: B\_up                      Base Flow(cfs): 0.000              Init Stage(ft): 21.200  
 Group: BASE                      Warn Stage(ft): 24.200  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: BNDRY                      Base Flow(cfs): 0.000              Init Stage(ft): 16.000  
 Group: BASE                      Warn Stage(ft): 23.000  
 Type: Time/Stage

-----  
 Time(hrs)              Stage(ft)  
 -----  
 0.00                      16.000  
 999.00                      16.000

-----  
 Name: BNDRY\_Off                      Base Flow(cfs): 0.000              Init Stage(ft): 23.280  
 Group: BASE                      Warn Stage(ft): 27.210  
 Type: Time/Stage

-----  
 Time(hrs)              Stage(ft)  
 -----  
 0.00                      23.280  
 999.00                      23.280

-----  
 Name: C\_dn                      Base Flow(cfs): 0.000              Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: C\_up                      Base Flow(cfs): 0.000              Init Stage(ft): 23.450  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 23.450                      0.0000  
 27.000                      2.0000

-----  
 Name: D                      Base Flow(cfs): 0.000              Init Stage(ft): 22.800  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: E                      Base Flow(cfs): 0.000              Init Stage(ft): 20.200  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 20.200                      0.0000  
 27.000                      0.0100

-----  
 Name: E1                      Base Flow(cfs): 0.000              Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: E2                      Base Flow(cfs): 0.000            Init Stage(ft): 21.500  
 Group: BASE                   Warn Stage(ft): 30.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E3                      Base Flow(cfs): 0.000            Init Stage(ft): 22.500  
 Group: BASE                   Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E4                      Base Flow(cfs): 0.000            Init Stage(ft): 23.000  
 Group: BASE                   Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: F                       Base Flow(cfs): 0.000            Init Stage(ft): 19.070  
 Group: BASE                   Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: F1                      Base Flow(cfs): 0.000            Init Stage(ft): 19.700  
 Group: BASE                   Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: G\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 24.430  
 Group: BASE                   Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 24.430                0.0000  
 27.000                0.0100

-----  
 Name: G\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 25.000  
 Group: BASE                   Warn Stage(ft): 27.660  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 25.000                0.0000  
 28.000                0.0100

-----  
 Name: H                       Base Flow(cfs): 0.000            Init Stage(ft): 21.810  
 Group: BASE                   Warn Stage(ft): 27.590  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 21.810                0.0010  
 27.590                0.0010







Highway 9  
Alternative 1A - Input Report

---

29.935	27.485	0.000000
34.924	27.440	0.000000
39.913	27.395	0.000000
44.902	27.334	0.000000
49.891	27.294	0.000000
54.880	27.278	0.000000
59.869	27.285	0.000000
64.858	27.227	0.000000
69.848	27.132	0.000000
74.837	27.021	0.000000
79.826	26.941	0.000000
84.815	26.947	0.000000
89.804	26.838	0.000000
94.793	26.786	0.000000
99.782	26.781	0.000000
104.771	26.676	0.000000
109.760	26.597	0.000000
114.749	26.482	0.000000
119.739	26.294	0.000000
124.728	26.015	0.000000
129.717	25.807	0.000000
134.706	25.688	0.000000
139.695	25.666	0.000000
144.684	25.646	0.000000
149.673	25.455	0.000000
154.662	25.317	0.000000
159.651	25.305	0.000000
164.641	25.184	0.000000
169.630	25.118	0.000000
174.619	25.009	0.000000
179.608	25.019	0.000000
184.597	24.845	0.000000
189.586	24.775	0.000000
194.575	24.656	0.000000
199.564	24.564	0.000000
204.553	24.399	0.000000
209.543	24.423	0.000000
214.532	24.552	0.000000
219.521	24.569	0.000000
224.510	24.506	0.000000
229.499	24.299	0.000000
234.488	24.202	0.000000
239.477	24.133	0.000000
244.466	23.965	0.000000
249.455	24.004	0.000000
254.445	23.995	0.000000
259.434	23.927	0.000000
264.423	23.757	0.000000
269.412	23.692	0.000000
274.401	23.723	0.000000
279.390	23.716	0.000000
284.379	23.718	0.000000
289.368	23.667	0.000000
294.357	23.482	0.000000
299.346	23.291	0.000000
304.336	23.284	0.000000
309.325	23.308	0.000000
314.314	23.367	0.000000
319.303	23.453	0.000000
324.292	23.441	0.000000
329.281	23.437	0.000000
334.270	23.334	0.000000
339.259	23.344	0.000000
344.248	23.552	0.000000
349.238	23.673	0.000000
354.227	23.561	0.000000
359.216	23.401	0.000000
364.205	23.465	0.000000
369.194	23.459	0.000000
374.183	23.468	0.000000
379.172	23.439	0.000000
384.161	23.368	0.000000
389.150	23.357	0.000000
394.140	23.329	0.000000
399.129	23.386	0.000000
404.118	23.269	0.000000
409.107	23.250	0.000000
414.096	23.048	0.000000
419.085	23.404	0.000000
424.035	23.719	0.000000
428.984	23.699	0.000000
433.934	23.635	0.000000
438.883	23.831	0.000000
443.833	23.773	0.000000
448.782	23.687	0.000000
453.732	23.670	0.000000
458.681	23.644	0.000000
463.577	23.500	0.000000

Highway 9  
Alternative 1A - Input Report

---

466.686	19.000	0.000000
471.453	18.000	0.000000
476.327	19.100	0.000000
481.835	22.600	0.000000
488.379	22.690	0.000000
493.328	22.970	0.000000
498.278	23.051	0.000000
503.227	23.213	0.000000
508.177	23.369	0.000000
513.126	23.248	0.000000
518.076	22.896	0.000000
523.026	22.914	0.000000
527.975	23.366	0.000000
532.925	23.746	0.000000
537.874	23.983	0.000000
542.824	24.148	0.000000
547.773	24.249	0.000000
552.723	24.318	0.000000
557.694	24.398	0.000000
562.665	24.446	0.000000
567.636	24.415	0.000000
572.607	24.460	0.000000
577.578	24.609	0.000000
582.549	24.687	0.000000
587.520	24.775	0.000000
592.491	24.833	0.000000
597.462	24.897	0.000000
602.433	24.892	0.000000
607.405	24.926	0.000000
612.376	24.952	0.000000
617.347	24.996	0.000000
622.318	24.978	0.000000
627.289	25.031	0.000000
632.260	25.111	0.000000
637.231	25.162	0.000000
642.202	25.210	0.000000
647.173	25.259	0.000000
652.042	25.284	0.000000
656.912	25.391	0.000000
661.781	25.378	0.000000
666.650	25.393	0.000000
671.519	25.495	0.000000
676.389	25.514	0.000000
681.258	25.594	0.000000
686.127	25.668	0.000000
690.996	25.721	0.000000
695.866	25.762	0.000000
700.735	25.845	0.000000
705.604	25.898	0.000000
710.473	25.941	0.000000
715.343	25.980	0.000000
720.212	26.045	0.000000
725.081	26.084	0.000000
729.950	26.150	0.000000
734.820	26.262	0.000000
739.689	26.367	0.000000
744.558	26.403	0.000000
749.427	26.484	0.000000
754.296	26.525	0.000000
759.166	26.520	0.000000
764.041	26.596	0.000000
768.916	26.573	0.000000
773.791	26.604	0.000000
778.666	26.521	0.000000
783.542	26.453	0.000000
788.417	26.439	0.000000
793.292	26.512	0.000000
798.167	26.538	0.000000
803.042	26.559	0.000000
807.918	26.496	0.000000
812.793	26.436	0.000000
817.668	26.375	0.000000
822.543	26.431	0.000000
827.418	26.423	0.000000
832.293	26.384	0.000000
837.169	26.479	0.000000
842.044	26.492	0.000000
846.919	26.562	0.000000
851.794	26.594	0.000000
856.669	26.584	0.000000
861.545	26.643	0.000000
866.420	26.768	0.000000
871.295	26.724	0.000000
876.170	26.712	0.000000
881.045	26.802	0.000000
885.920	26.793	0.000000

---

Name: 0\_Mod  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000
354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000

404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
452.753	23.500	0.045000
463.953	18.000	0.045000
471.453	18.000	0.045000
478.953	18.000	0.045000
488.953	23.000	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000
807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000









Highway 9  
Alternative 1A - Input Report

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301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000



Highway 9  
 Alternative 1A - Input Report

404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000

Name: A2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000
44.812	28.361	0.045000
49.791	28.069	0.045000

Highway 9  
Alternative 1A - Input Report

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54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000



304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

Name: A3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000
109.531	23.779	0.045000
114.432	25.375	0.045000



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69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: E1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000
243.651	27.157	0.045000
248.620	27.051	0.045000





258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000
163.073	33.695	0.045000
168.015	33.447	0.045000

Highway 9  
Alternative 1A - Input Report

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172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

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Name: E4  
Encroachment: No

Group: BASE

Highway 9  
 Alternative 1A - Input Report

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000
412.026	29.986	0.045000
416.990	30.013	0.045000

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421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000
850.142	31.756	0.045000
855.126	31.757	0.045000

Name: F  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000
217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000
286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000
356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000
380.947	26.911	0.045000
385.895	27.166	0.045000

Highway 9  
Alternative 1A - Input Report

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390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

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Name: F1 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000
69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000
208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000
233.835	27.454	0.045000
238.810	27.451	0.045000

Highway 9  
Alternative 1A - Input Report

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243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000
636.840	29.030	0.045000

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Name: HWY 57 N  
Encroachment: No

Group: BASE



Station(ft)	Elevation(ft)	Manning's N
0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000
246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000
400.219	29.992	0.045000
405.128	29.991	0.045000





Highway 9  
Alternative 1A - Input Report

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63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000
481.687	28.900	0.045000
486.594	28.850	0.045000



384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000
806.207	30.399	0.045000
811.186	30.606	0.045000



381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000
833.937	30.132	0.045000
838.912	30.208	0.045000



Highway 9  
Alternative 1A - Input Report

843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000
14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000
39.707	27.511	0.045000
44.670	27.162	0.045000

Highway 9  
Alternative 1A - Input Report

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49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000
312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000
475.138	23.541	0.045000
479.909	23.554	0.045000

Highway 9  
Alternative 1A - Input Report

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484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000
910.950	25.006	0.045000
915.861	25.052	0.045000

920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

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 Name: X7  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000
34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000
103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000
171.702	26.100	0.045000
176.700	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000
196.694	25.756	0.045000
201.692	25.787	0.045000

206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000
606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000
631.223	21.765	0.045000
636.196	21.704	0.045000



Highway 9  
Alternative 1A - Input Report

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156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000
581.040	18.189	0.045000
585.998	18.202	0.045000

Highway 9  
Alternative 1A - Input Report

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590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000
990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000
1015.620	23.703	0.045000
1020.552	23.845	0.045000





Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: H-I                      From Node: H          Length(ft): 170.00
Group: BASE                     To Node: I           Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.50
                                Exit Loss Coef: 0.50
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

      UPSTREAM      DOWNSTREAM
Geometry: Circular  Circular
Span(in): 36.00    36.00
Rise(in): 36.00    36.00
Invert(ft): 21.810 20.750
Manning's N: 0.013000 0.013000
Top Clip(in): 0.000 0.000
Bot Clip(in): 0.000 0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: JB-Out                    From Node: JB         Length(ft): 263.00
Group: BASE                     To Node: BNDRY_Off   Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.00
                                Exit Loss Coef: 1.00
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

      UPSTREAM      DOWNSTREAM
Geometry: Circular  Circular
Span(in): 30.00    30.00
Rise(in): 30.00    30.00
Invert(ft): 24.130 23.280
Manning's N: 0.013000 0.013000
Top Clip(in): 0.000 0.000
Bot Clip(in): 0.000 0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: Pond C                    From Node: C_up       Length(ft): 90.00
Group: BASE                     To Node: C_dn        Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.20
                                Exit Loss Coef: 0.50
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

      UPSTREAM      DOWNSTREAM
Geometry: Circular  Circular
Span(in): 36.00    36.00
Rise(in): 36.00    36.00
Invert(ft): 23.450 23.000
Manning's N: 0.013000 0.013000
Top Clip(in): 0.000 0.000
Bot Clip(in): 0.000 0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

==== Channels =====

```

-----
Name: A-Out                      From Node: A_dn      Length(ft): 615.00
Group: BASE                     To Node: X3          Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Automatic
                                Flow: Both
                                Contraction Coef: 0.100
                                Expansion Coef: 0.300
                                Entrance Loss Coef: 0.000
                                Exit Loss Coef: 0.000

      UPSTREAM      DOWNSTREAM
Geometry: Irregular Irregular
Invert(ft): 19.600 18.000
TClpInitZ(ft): 9999.000 9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
  
```



	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft):	20.800	20.110	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:	0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef: 0.000
Main XSec:			Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):			
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):	4.000	4.000	
LtSdSlp(h/v):	2.00	2.00	
RtSdSlp(h/v):	2.00	2.00	

Name:	C-B	From Node:	C_dn	Length(ft):	846.00
Group:	BASE	To Node:	B_up	Count:	1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft):	23.000	21.200	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:	0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef: 0.000
Main XSec:			Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):			
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):	4.000	4.000	
LtSdSlp(h/v):	2.00	2.00	
RtSdSlp(h/v):	2.00	2.00	

Name:	D-E	From Node:	D	Length(ft):	236.00
Group:	BASE	To Node:	E	Count:	1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft):	22.800	20.200	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:	0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef: 0.000
Main XSec:			Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):			
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):	6.000	6.000	
LtSdSlp(h/v):	2.00	2.00	
RtSdSlp(h/v):	2.00	2.00	

Name:	E	From Node:	E	Length(ft):	97.00
Group:	BASE	To Node:	A3	Count:	1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	20.200	20.100	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	E	A3	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			

LtSdSlp(h/v):  
 RtSdSlp(h/v):

```

-----
      Name: E1                From Node: E1                Length(ft): 354.00
      Group: BASE              To Node: E                  Count: 1

      UPSTREAM                DOWNSTREAM
      Geometry: Irregular      Irregular
      Invert(ft): 21.000       20.200
      TClpInitZ(ft): 9999.000  9999.000
      Manning's N:
      Top Clip(ft):
      Bot Clip(ft):
      Main XSec: E1            E
      AuxElev1(ft): 0.000      0.000
      Aux XSec1:
      AuxElev2(ft): 0.000      0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):

      Friction Equation: Automatic
      Solution Algorithm: Automatic
      Flow: Both
      Contraction Coef: 0.100
      Expansion Coef: 0.300
      Entrance Loss Coef: 0.000
      Exit Loss Coef: 0.000
      Outlet Ctrl Spec: Use dc or tw
      Inlet Ctrl Spec: Use dc
      Stabilizer Option: None
  
```

```

-----
      Name: E2                From Node: E2                Length(ft): 350.00
      Group: BASE              To Node: E1                  Count: 1

      UPSTREAM                DOWNSTREAM
      Geometry: Irregular      Irregular
      Invert(ft): 21.500       21.000
      TClpInitZ(ft): 9999.000  9999.000
      Manning's N:
      Top Clip(ft):
      Bot Clip(ft):
      Main XSec: E2            E1
      AuxElev1(ft): 0.000      0.000
      Aux XSec1:
      AuxElev2(ft): 0.000      0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):

      Friction Equation: Automatic
      Solution Algorithm: Automatic
      Flow: Both
      Contraction Coef: 0.100
      Expansion Coef: 0.300
      Entrance Loss Coef: 0.000
      Exit Loss Coef: 0.000
      Outlet Ctrl Spec: Use dc or tw
      Inlet Ctrl Spec: Use dc
      Stabilizer Option: None
  
```

```

-----
      Name: E3                From Node: E3                Length(ft): 500.00
      Group: BASE              To Node: E2                  Count: 1

      UPSTREAM                DOWNSTREAM
      Geometry: Irregular      Irregular
      Invert(ft): 22.500       21.500
      TClpInitZ(ft): 9999.000  9999.000
      Manning's N:
      Top Clip(ft):
      Bot Clip(ft):
      Main XSec: E3            E2
      AuxElev1(ft): 0.000      0.000
      Aux XSec1:
      AuxElev2(ft): 0.000      0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):

      Friction Equation: Automatic
      Solution Algorithm: Automatic
      Flow: Both
      Contraction Coef: 0.100
      Expansion Coef: 0.300
      Entrance Loss Coef: 0.000
      Exit Loss Coef: 0.000
      Outlet Ctrl Spec: Use dc or tw
      Inlet Ctrl Spec: Use dc
      Stabilizer Option: None
  
```

```

-----
      Name: E4                From Node: E4                Length(ft): 255.00
      Group: BASE              To Node: E3                  Count: 1

      UPSTREAM                DOWNSTREAM
      Geometry: Irregular      Irregular
      Invert(ft): 23.000       22.500
      TClpInitZ(ft): 9999.000  9999.000
      Manning's N:
      Top Clip(ft):
      Bot Clip(ft):

      Friction Equation: Automatic
      Solution Algorithm: Automatic
      Flow: Both
      Contraction Coef: 0.100
      Expansion Coef: 0.300
      Entrance Loss Coef: 0.000
      Exit Loss Coef: 0.000
  
```



	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft):	24.430	22.740	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:	0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef: 0.000
Main XSec:			Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):			
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):	4.000	4.000	
LtSdSlp(h/v):	3.00	3.00	
RtSdSlp(h/v):	3.00	3.00	

Name: I-J	From Node: I	Length(ft): 296.00
Group: BASE	To Node: J	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Trapezoidal	Irregular	Solution Algorithm: Automatic
Invert(ft):	20.750	22.500	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:	0.045000		Expansion Coef: 0.300
Top Clip(ft):	0.000		Entrance Loss Coef: 0.000
Bot Clip(ft):	0.000		Exit Loss Coef: 0.000
Main XSec:		J	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):		0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):	6.000		
LtSdSlp(h/v):	2.00		
RtSdSlp(h/v):	2.00		

Name: J	From Node: J	Length(ft): 558.00
Group: BASE	To Node: F1	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	22.500	19.700	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	J	F1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

Name: J1	From Node: J1	Length(ft): 622.00
Group: BASE	To Node: J	Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	23.500	22.500	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	J1	J	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			

LtSdSlp(h/v):  
RtSdSlp(h/v):

```

-----
Name: K                      From Node: K                      Length(ft): 700.00
Group: BASE                  To Node: J1                        Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 25.000          23.500
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: K                J1
AuxElev1(ft): 0.000        0.000
Aux XSec1:
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: K1                     From Node: HWY57_N                Length(ft): 647.00
Group: BASE                  To Node: K                        Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 25.500          25.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: HWY 57 N        K
AuxElev1(ft): 0.000        0.000
Aux XSec1:
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: Out-X7                 From Node: X3                     Length(ft): 2057.00
Group: BASE                  To Node: X7                       Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 18.000          17.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: X4              X7
AuxElev1(ft): 0.000        0.000
Aux XSec1:
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: X2-Out                 From Node: X2                     Length(ft): 750.00
Group: BASE                  To Node: X3                       Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 18.500          18.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N: 0.045000        0.045000
Top Clip(ft): 0.000          0.000
Bot Clip(ft): 0.000          0.000

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000

```



```

Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                             Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 5.000           5.000
LtSdSlp(h/v): 2.00           2.00
RtSdSlp(h/v): 2.00           2.00
  
```

```

-----
Name: X7-X8                               Length(ft): 2100.00
Group: BASE                               To Node: BNDRY      Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Irregular Irregular      Solution Algorithm: Automatic
Invert(ft): 17.000   16.000          Flow: Both
TClpInitZ(ft): 9999.000 9999.000   Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
Main XSec: X7           X8           Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000   0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000   0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

=====  
 Drop Structures  
 =====

```

Name: Pond A_Out                           Length(ft): 295.00
Group: BASE                               To Node: Pond C    Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Circular  Circular      Solution Algorithm: Most Restrictive
Span(in): 48.00     48.00          Flow: Both
Rise(in): 48.00     48.00          Entrance Loss Coef: 0.200
Invert(ft): 21.460  19.380          Exit Loss Coef: 1.000
Manning's N: 0.013000 0.013000       Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000  0.000          Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000  0.000          Solution Incs: 10
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

*** Weir 1 of 3 for Drop Structure Pond A_Out ***
                                                    TABLE
Count: 1                               Bottom Clip(in): 0.000
Type: Vertical: Mavis                     Top Clip(in): 0.000
Flow: Both                                 Weir Disc Coef: 3.200
Geometry: Rectangular                     Orifice Disc Coef: 0.600

Span(in): 18.00                             Invert(ft): 25.100
Rise(in): 16.80                             Control Elev(ft): 25.100
  
```

```

*** Weir 2 of 3 for Drop Structure Pond A_Out ***
                                                    TABLE
Count: 1                               Bottom Clip(in): 0.000
Type: Vertical: Mavis                     Top Clip(in): 0.000
Flow: Both                                 Weir Disc Coef: 3.200
Geometry: Circular                         Orifice Disc Coef: 0.600

Span(in): 8.00                             Invert(ft): 23.390
Rise(in): 8.00                             Control Elev(ft): 23.390
  
```

```

*** Weir 3 of 3 for Drop Structure Pond A_Out ***
                                                    TABLE
Count: 1                               Bottom Clip(in): 0.000
Type: Vertical: Mavis                     Top Clip(in): 0.000
Flow: Both                                 Weir Disc Coef: 3.200
Geometry: Rectangular                     Orifice Disc Coef: 0.600
  
```

Span(in): 164.00                      Invert(ft): 26.500  
Rise(in): 99999.00                    Control Elev(ft): 26.500

-----  
Name: Pond\_B\_Out1                    From Node: Pond B                    Length(ft): 115.00  
Group: BASE                            To Node: JB                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation:	Automatic
Geometry: Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in): 15.00	15.00	Flow:	Both
Rise(in): 15.00	15.00	Entrance Loss Coef:	0.200
Invert(ft): 24.500	24.130	Exit Loss Coef:	0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in): 0.000	0.000	Solution Incs:	10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond\_B\_Out1 \*\*\*  
TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	24.00	Invert(ft):	24.620
Rise(in):	32.76	Control Elev(ft):	24.620

\*\*\* Weir 2 of 2 for Drop Structure Pond\_B\_Out1 \*\*\*  
TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	48.00	Invert(ft):	27.350
Rise(in):	24.00	Control Elev(ft):	27.350

-----  
Name: Pond\_B\_Out2                    From Node: Pond B                    Length(ft): 224.00  
Group: BASE                            To Node: H                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation:	Automatic
Geometry: Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in): 24.00	24.00	Flow:	Both
Rise(in): 24.00	24.00	Entrance Loss Coef:	0.200
Invert(ft): 22.250	21.870	Exit Loss Coef:	0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in): 0.000	0.000	Solution Incs:	10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond\_B\_Out2 \*\*\*  
TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	24.00	Invert(ft):	24.620
Rise(in):	6.00	Control Elev(ft):	24.620

-----  
Name: Pond\_C\_Out                    From Node: Pond C                    Length(ft): 12.00  
Group: BASE                            To Node: F                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation:	Automatic
Geometry: Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in): 48.00	48.00	Flow:	Both
Rise(in): 48.00	48.00	Entrance Loss Coef:	0.200
Invert(ft): 20.010	19.070	Exit Loss Coef:	0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw

Top Clip(in): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
 Bot Clip(in): 0.000                      0.000                      Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.550	
Rise(in): 26.00	Control Elev(ft): 23.550	

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 25.710	
Rise(in): 48.00	Control Elev(ft): 25.710	

Name: X5-X2	From Node: X5	Length(ft): 250.00
Group: BASE	To Node: X2	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.000	
Rise(in): 48.00	Control Elev(ft): 23.000	

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 6.00	Control Elev(ft): 22.000	

Name: X6-X7	From Node: X6	Length(ft): 100.00
Group: BASE	To Node: X7	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

TABLE

Count: 1  
Type: Horizontal  
Flow: Both  
Geometry: Rectangular  
Span(in): 48.00  
Rise(in): 48.00  
Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Disc Coef: 3.200  
Orifice Disc Coef: 0.600  
Invert(ft): 22.000  
Control Elev(ft): 22.000

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

TABLE

Count: 1  
Type: Vertical: Mavis  
Flow: Both  
Geometry: Rectangular  
Span(in): 48.00  
Rise(in): 6.00  
Bottom Clip(in): 0.000  
Top Clip(in): 0.000  
Weir Disc Coef: 3.200  
Orifice Disc Coef: 0.600  
Invert(ft): 21.000  
Control Elev(ft): 21.000

==== Weirs =====

Name: A\_Over  
Group: BASE  
Flow: Both  
Type: Vertical: Fread  
From Node: Pond A  
To Node: Pond C  
Count: 1  
Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 20.00  
Right Side Slope(h/v): 20.00  
Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

Name: B\_Over  
Group: BASE  
Flow: Both  
Type: Vertical: Fread  
From Node: B\_up  
To Node: B\_dn  
Count: 1  
Geometry: Trapezoidal

Bottom Width(ft): 50.00  
Left Side Slope(h/v): 100.00  
Right Side Slope(h/v): 50.00  
Invert(ft): 27.300  
Control Elevation(ft): 27.300  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

Name: C\_Over  
Group: BASE  
Flow: Both  
Type: Vertical: Fread  
From Node: C\_up  
To Node: C\_dn  
Count: 1  
Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 27.000  
Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: G\_Over                      From Node: G\_up  
Group: BASE                        To Node: G\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
  
                                    TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: H\_Over                      From Node: H  
Group: BASE                        To Node: I  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
  
                                    TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond A\_Over2                From Node: A\_up  
Group: BASE                        To Node: A\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
    Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00  
  
                                    TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond B\_Over                 From Node: Pond B  
Group: BASE                        To Node: H  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 50.00  
Left Side Slope(h/v): 50.00  
Right Side Slope(h/v): 50.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
  
                                    TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond C\_Over                 From Node: Pond C  
Group: BASE                        To Node: F  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
Hydrology Simulations  
=====

Name: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\002-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 4.50

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

Name: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\010-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 6.70

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

Name: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\025-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 7.60

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

Name: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\050-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\100-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\OCT-2015.R32

Override Defaults: Yes

Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)      Print Inc(min)  
-----  
120.000        5.00

-----  
Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)      Print Inc(min)  
-----  
48.000        5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\002-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year

Time(hrs)      Print Inc(min)  
-----  
9999.000        15.000

Group              Run  
-----  
BASE                Yes

-----  
Name: 010-yr                      Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\010-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                      Boundary Flows: 010-year

Time(hrs)      Print Inc(min)  
-----  
9999.000        5.000

Group              Run  
-----  
BASE                Yes

-----  
Name: 025-yr                      Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\025-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                      Boundary Flows: 025-year

Time(hrs)      Print Inc(min)

-----  
9999.000      15.000  
-----  
Group            Run  
-----  
BASE            Yes

-----  
Name: 050-yr                    Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\050-yr.I32  
-----  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
-----  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year                Boundary Flows: 050-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
-----  
Group            Run  
-----  
BASE            Yes

-----  
Name: 100-yr                    Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\100-yr.I32  
-----  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
-----  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year                Boundary Flows: 100-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
-----  
Group            Run  
-----  
BASE            Yes

-----  
Name: OCT-2015                    Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\OCT-2015.I32  
-----  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
-----  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 144.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2015                Boundary Flows: OCT-2015

Time(hrs)      Print Inc(min)  
-----  
999.000        15.000  
-----  
Group            Run  
-----  
BASE            Yes

-----  
Name: OCT-2016                    Hydrology Sim: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1A\OCT-2016.I32  
-----  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
-----  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500



Highway 9  
 Alternative 1A - Input Report

Time Step Optimizer: 10.000  
 Start Time(hrs): 0.000                      End Time(hrs): 72.00  
 Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
 Boundary Stages: OCT-2016                Boundary Flows: OCT-2016

Time(hrs)            Print Inc(min)  
 -----  
 999.000            15.000  
  
 Group                Run  
 -----  
 BASE                Yes

=====  
 === Boundary Conditions ===  
 =====

Name: 010-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610

Highway 9  
Alternative 1A - Input Report

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16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740
18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670

Highway 9  
Alternative 1A - Input Report

---

38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130

Highway 9  
 Alternative 1A - Input Report

---

60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000

Highway 9  
Alternative 1A - Input Report

---

8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770

Highway 9  
Alternative 1A - Input Report

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30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230

Highway 9  
 Alternative 1A - Input Report

---

52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

---

Name: 050-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000

---

Highway 9  
Alternative 1A - Input Report

---

0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170
15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020



Highway 9  
Alternative 1A - Input Report

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22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040

Highway 9  
Alternative 1A - Input Report

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44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610

Highway 9  
Alternative 1A - Input Report

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66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

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Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130

Highway 9  
Alternative 1A - Input Report

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14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570

36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100

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58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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 Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480

Highway 9  
Alternative 1A - Input Report

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6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920

Highway 9  
Alternative 1A - Input Report

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28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400



50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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Highway 9  
Alternative 1A - Input Report

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Name: 025-year	Node: HWY57_S	Type: Flow
Time(hrs)	Flow(cfs)	
0.000	0.000	
0.250	0.000	
0.500	0.000	
0.750	0.000	
1.000	0.000	
1.250	0.000	
1.500	0.000	
1.750	0.000	
2.000	0.000	
2.250	0.000	
2.500	0.000	
2.750	0.000	
3.000	0.000	
3.250	0.000	
3.500	0.000	
3.750	0.000	
4.000	0.000	
4.250	0.000	
4.500	0.010	
4.750	0.040	
5.000	0.100	
5.250	0.190	
5.500	0.300	
5.750	0.410	
6.000	0.500	
6.250	0.590	
6.500	0.700	
6.750	0.820	
7.000	0.940	
7.250	1.080	
7.500	1.240	
7.750	1.440	
8.000	1.710	
8.250	2.160	
8.500	2.770	
8.750	3.540	
9.000	4.540	
9.250	5.840	
9.500	7.490	
9.750	9.480	
10.000	11.960	
10.250	14.900	
10.500	18.240	
10.750	21.790	
11.000	25.760	
11.250	30.450	
11.500	35.960	
11.750	42.660	
12.000	53.450	
12.250	71.840	
12.500	93.540	
12.750	109.690	
13.000	156.220	
13.250	196.760	
13.500	232.360	
13.750	302.250	
14.000	305.480	
14.250	269.980	
14.500	267.570	
14.750	278.930	
15.000	281.210	
15.250	278.010	
15.500	268.660	
15.750	256.250	
16.000	241.140	
16.250	224.620	
16.500	209.280	
16.750	196.910	
17.000	187.090	
17.250	179.080	
17.500	170.710	
17.750	162.830	
18.000	154.790	
18.250	147.460	
18.500	140.910	
18.750	135.630	
19.000	131.260	
19.250	125.570	
19.500	119.940	
19.750	115.980	
20.000	111.300	
20.250	107.540	
20.500	105.000	
20.750	101.470	

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Highway 9  
Alternative 1A - Input Report

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21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640

43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150

Highway 9  
Alternative 1A - Input Report

65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

-----  
Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)                      Flow(cfs)

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160

Highway 9  
Alternative 1A - Input Report

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13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810

Highway 9  
Alternative 1A - Input Report

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35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300

Highway 9  
 Alternative 1A - Input Report

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57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

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 Name: 100-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500



Highway 9  
Alternative 1A - Input Report

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5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290
7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780

Highway 9  
Alternative 1A - Input Report

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27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220

Highway 9  
Alternative 1A - Input Report

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49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570

Highway 9  
 Alternative 1A - Input Report

71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510

Highway 9  
Alternative 1A - Input Report

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19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260

41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630

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63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

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 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420

11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470



33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400

Highway 9  
Alternative 1A - Input Report

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55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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Name: OCT-2016

Node: HWY57\_N

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000

Highway 9  
Alternative 1A - Input Report

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4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720

Highway 9  
Alternative 1A - Input Report

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26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780

Highway 9  
Alternative 1A - Input Report

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48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030

Highway 9  
 Alternative 1A - Input Report

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70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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 Name: OCT-2016                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640
6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780
10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550
11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630
16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840

Highway 9  
Alternative 1A - Input Report

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18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250

Highway 9  
Alternative 1A - Input Report

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40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550



Highway 9  
 Alternative 1A - Input Report

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62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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 Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000

Highway 9  
Alternative 1A - Input Report

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10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040

Highway 9  
Alternative 1A - Input Report

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32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540

Highway 9  
Alternative 1A - Input Report

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54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570

Highway 9  
Alternative 1A - Input Report

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76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450

Highway 9  
Alternative 1A - Input Report

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98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630

120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390

Highway 9  
 Alternative 1A - Input Report

142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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 Name: OCT-2015                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000



Highway 9  
Alternative 1A - Input Report

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18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200

Highway 9  
Alternative 1A - Input Report

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40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520

Highway 9  
Alternative 1A - Input Report

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62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570

Highway 9  
Alternative 1A - Input Report

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84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890

Highway 9  
Alternative 1A - Input Report

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106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890

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128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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 Name: 002-year

Node: BNDRY

Type: Stage

Time(hrs)

Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000

Highway 9  
Alternative 1A - Input Report

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5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001
7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048
10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105
14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745
19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218

Highway 9  
Alternative 1A - Input Report

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27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247



Highway 9  
Alternative 1A - Input Report

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49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089

Highway 9  
 Alternative 1A - Input Report

71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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 Name: 010-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218

19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515

41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264

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63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

-----  
 Name: 025-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

---

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639

Highway 9  
Alternative 1A - Input Report

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11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139

33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342

Highway 9  
 Alternative 1A - Input Report

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55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000



Highway 9  
Alternative 1A - Input Report

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3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143

Highway 9  
Alternative 1A - Input Report

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25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433

47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235

69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

-----  
 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)  
 -----

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949

Highway 9  
Alternative 1A - Input Report

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18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792

Highway 9  
Alternative 1A - Input Report

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40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296

Highway 9  
 Alternative 1A - Input Report

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62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000

Highway 9  
Alternative 1A - Input Report

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10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000
12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608



32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192

Highway 9  
Alternative 1A - Input Report

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54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844

Highway 9  
Alternative 1A - Input Report

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76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834

98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049

120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380

Highway 9  
 Alternative 1A - Input Report

142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

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 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)  
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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616
6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873
11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623
12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341
16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309

18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895

40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537

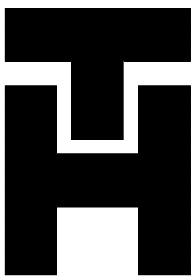


62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485
64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386

**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 1B**

**J – 26146.0000**



Prepared by:

**THOMAS & HUTTON**

=====

Basins

-----

Name: A	Node: A_up	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 28.00	
Area(ac): 13.040	Time Shift(hrs): 0.00	
Curve Number: 78.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

-----

Name: B	Node: B_up	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 50.00	
Area(ac): 12.560	Time Shift(hrs): 0.00	
Curve Number: 85.90	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

-----

Name: C	Node: C_up	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 72.00	
Area(ac): 24.120	Time Shift(hrs): 0.00	
Curve Number: 80.60	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

-----

Name: D	Node: D	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 28.00	
Area(ac): 22.090	Time Shift(hrs): 0.00	
Curve Number: 91.60	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

-----

Name: E	Node: E	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 57.00	
Area(ac): 40.070	Time Shift(hrs): 0.00	
Curve Number: 84.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

-----

Name: F	Node: F	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 43.00	
Area(ac): 10.150	Time Shift(hrs): 0.00	
Curve Number: 76.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

-----

Name: G	Node: G_up	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	

---

Rainfall Amount(in): 0.000	Time of Conc(min): 25.00
Area(ac): 3.210	Time Shift(hrs): 0.00
Curve Number: 83.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

---

Name: H	Node: H	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 54.00	
Area(ac): 8.140	Time Shift(hrs): 0.00	
Curve Number: 82.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: I	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 69.00	
Area(ac): 8.230	Time Shift(hrs): 0.00	
Curve Number: 78.70	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: J	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 45.00	
Area(ac): 12.030	Time Shift(hrs): 0.00	
Curve Number: 77.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: K	Node: K	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 31.00	
Area(ac): 27.010	Time Shift(hrs): 0.00	
Curve Number: 77.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond A	Node: Pond A	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 29.00	
Area(ac): 9.570	Time Shift(hrs): 0.00	
Curve Number: 83.40	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond B	Node: Pond B	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 22.00	
Area(ac): 16.260	Time Shift(hrs): 0.00	
Curve Number: 82.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond C	Node: Pond C	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 35.00
Area(ac): 10.020                          Time Shift(hrs): 0.00
Curve Number: 80.40                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X1                      Node: A_dn                      Status: Onsite
Group: BASE                  Type: SCS Unit Hydrograph CN
  
```

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 45.00
Area(ac): 5.940                          Time Shift(hrs): 0.00
Curve Number: 89.70                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X2                      Node: X2                      Status: Onsite
Group: BASE                  Type: SCS Unit Hydrograph CN
  
```

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 22.00
Area(ac): 11.470                          Time Shift(hrs): 0.00
Curve Number: 88.70                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X3                      Node: X3                      Status: Onsite
Group: BASE                  Type: SCS Unit Hydrograph CN
  
```

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 22.00
Area(ac): 13.300                          Time Shift(hrs): 0.00
Curve Number: 91.00                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X4                      Node: X3                      Status: Onsite
Group: BASE                  Type: SCS Unit Hydrograph CN
  
```

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 53.00
Area(ac): 66.070                          Time Shift(hrs): 0.00
Curve Number: 88.40                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X5                      Node: X5                      Status: Onsite
Group: BASE                  Type: SCS Unit Hydrograph CN
  
```

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 9.00
Area(ac): 10.610                          Time Shift(hrs): 0.00
Curve Number: 77.50                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X6                      Node: X6                      Status: Onsite
Group: BASE                  Type: SCS Unit Hydrograph CN
  
```

```

Unit Hydrograph: Uh323                      Peaking Factor: 323.0
Rainfall File: Scsiii                      Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000                 Time of Conc(min): 12.00
Area(ac): 21.360                          Time Shift(hrs): 0.00
Curve Number: 79.90                       Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
  
```

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                  Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000      Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A2                      Base Flow(cfs): 0.000      Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A3                      Base Flow(cfs): 0.000      Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A_dn                   Base Flow(cfs): 0.000      Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: A_up                   Base Flow(cfs): 0.000      Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

```

Name: Alt1                   Base Flow(cfs): 0.000      Init Stage(ft): 18.800
Group: BASE                   Warn Stage(ft): 25.000
Type: Stage/Area
  
```

```

Stage(ft)      Area(ac)
-----
  
```

-----  
 Name: B\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 20.800  
 Group: BASE                    Warn Stage(ft): 24.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: B\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 21.200  
 Group: BASE                    Warn Stage(ft): 24.200  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: BNDRY                  Base Flow(cfs): 0.000            Init Stage(ft): 16.000  
 Group: BASE                    Warn Stage(ft): 23.000  
 Type: Time/Stage

-----  
 Time(hrs)            Stage(ft)  
 -----  
           0.00            16.000  
           999.00         16.000

-----  
 Name: BNDRY\_Off              Base Flow(cfs): 0.000            Init Stage(ft): 23.280  
 Group: BASE                    Warn Stage(ft): 27.210  
 Type: Time/Stage

-----  
 Time(hrs)            Stage(ft)  
 -----  
           0.00            23.280  
           999.00         23.280

-----  
 Name: C\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 23.000  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: C\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 23.450  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
           23.450            0.0000  
           27.000            2.0000

-----  
 Name: D                        Base Flow(cfs): 0.000            Init Stage(ft): 22.800  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E                        Base Flow(cfs): 0.000            Init Stage(ft): 20.200  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
           20.200            0.0000  
           27.000            0.0100

Name: E1	Base Flow(cfs): 0.000	Init Stage(ft): 21.000
Group: BASE		Warn Stage(ft): 28.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
-----		
Name: E2	Base Flow(cfs): 0.000	Init Stage(ft): 21.500
Group: BASE		Warn Stage(ft): 30.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
-----		
Name: E3	Base Flow(cfs): 0.000	Init Stage(ft): 22.500
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
-----		
Name: E4	Base Flow(cfs): 0.000	Init Stage(ft): 23.000
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
-----		
Name: F	Base Flow(cfs): 0.000	Init Stage(ft): 19.070
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
-----		
Name: F1	Base Flow(cfs): 0.000	Init Stage(ft): 19.700
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
-----		
Name: G_dn	Base Flow(cfs): 0.000	Init Stage(ft): 24.430
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		
Stage(ft)	Area(ac)	
24.430	0.0000	
27.000	0.0100	
-----		
Name: G_up	Base Flow(cfs): 0.000	Init Stage(ft): 25.000
Group: BASE		Warn Stage(ft): 27.660
Type: Stage/Area		
Stage(ft)	Area(ac)	
25.000	0.0000	
28.000	0.0100	
-----		
Name: H	Base Flow(cfs): 0.000	Init Stage(ft): 21.810
Group: BASE		Warn Stage(ft): 27.590



Type: Stage/Area

Stage(ft)	Area(ac)
21.810	0.0010
27.590	0.0010

Name: HWY57_N	Base Flow(cfs): 0.000	Init Stage(ft): 25.760
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: HWY57_S	Base Flow(cfs): 0.000	Init Stage(ft): 24.200
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: I	Base Flow(cfs): 0.000	Init Stage(ft): 20.750
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: J	Base Flow(cfs): 0.000	Init Stage(ft): 22.500
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: J1	Base Flow(cfs): 0.000	Init Stage(ft): 23.500
Group: BASE		Warn Stage(ft): 29.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: JB	Base Flow(cfs): 0.000	Init Stage(ft): 24.130
Group: BASE		Warn Stage(ft): 27.210
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: K	Base Flow(cfs): 0.000	Init Stage(ft): 25.000
Group: BASE		Warn Stage(ft): 30.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

Name: Pond A	Base Flow(cfs): 0.000	Init Stage(ft): 23.550
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----	-----

23.390      0.4100  
 27.000      0.8000

Name: Pond B                      Base Flow(cfs): 0.000              Init Stage(ft): 24.620  
 Group: BASE                              Warn Stage(ft): 29.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
24.620	1.8100
29.000	2.0000

Name: Pond C                      Base Flow(cfs): 0.000              Init Stage(ft): 23.550  
 Group: BASE                              Warn Stage(ft): 28.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
23.550	0.4000
28.000	0.4500

Name: X2                              Base Flow(cfs): 0.000              Init Stage(ft): 18.500  
 Group: BASE                              Warn Stage(ft): 25.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
18.500	
25.000	

Name: X3                              Base Flow(cfs): 0.000              Init Stage(ft): 18.000  
 Group: BASE                              Warn Stage(ft): 25.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
18.000	
25.000	

Name: X5                              Base Flow(cfs): 0.000              Init Stage(ft): 22.000  
 Group: BASE                              Warn Stage(ft): 25.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
22.000	1.0500
25.000	1.9000

Name: X6                              Base Flow(cfs): 0.000              Init Stage(ft): 21.000  
 Group: BASE                              Warn Stage(ft): 23.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
21.000	3.9800
23.000	5.5000

Name: X7                              Base Flow(cfs): 0.000              Init Stage(ft): 17.000  
 Group: BASE                              Warn Stage(ft): 23.000  
 Type: Stage/Area

Stage(ft)	Area(ac)
17.000	
23.000	

=====  
 === Cross Sections ===  
 =====

Name: 0                              Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.000000
4.989	27.848	0.000000
9.978	27.742	0.000000
14.967	27.664	0.000000
19.956	27.618	0.000000
24.946	27.546	0.000000
29.935	27.485	0.000000
34.924	27.440	0.000000
39.913	27.395	0.000000
44.902	27.334	0.000000
49.891	27.294	0.000000
54.880	27.278	0.000000
59.869	27.285	0.000000
64.858	27.227	0.000000
69.848	27.132	0.000000
74.837	27.021	0.000000
79.826	26.941	0.000000
84.815	26.947	0.000000
89.804	26.838	0.000000
94.793	26.786	0.000000
99.782	26.781	0.000000
104.771	26.676	0.000000
109.760	26.597	0.000000
114.749	26.482	0.000000
119.739	26.294	0.000000
124.728	26.015	0.000000
129.717	25.807	0.000000
134.706	25.688	0.000000
139.695	25.666	0.000000
144.684	25.646	0.000000
149.673	25.455	0.000000
154.662	25.317	0.000000
159.651	25.305	0.000000
164.641	25.184	0.000000
169.630	25.118	0.000000
174.619	25.009	0.000000
179.608	25.019	0.000000
184.597	24.845	0.000000
189.586	24.775	0.000000
194.575	24.656	0.000000
199.564	24.564	0.000000
204.553	24.399	0.000000
209.543	24.423	0.000000
214.532	24.552	0.000000
219.521	24.569	0.000000
224.510	24.506	0.000000
229.499	24.299	0.000000
234.488	24.202	0.000000
239.477	24.133	0.000000
244.466	23.965	0.000000
249.455	24.004	0.000000
254.445	23.995	0.000000
259.434	23.927	0.000000
264.423	23.757	0.000000
269.412	23.692	0.000000
274.401	23.723	0.000000
279.390	23.716	0.000000
284.379	23.718	0.000000
289.368	23.667	0.000000
294.357	23.482	0.000000
299.346	23.291	0.000000
304.336	23.284	0.000000
309.325	23.308	0.000000
314.314	23.367	0.000000
319.303	23.453	0.000000
324.292	23.441	0.000000
329.281	23.437	0.000000
334.270	23.334	0.000000
339.259	23.344	0.000000
344.248	23.552	0.000000
349.238	23.673	0.000000
354.227	23.561	0.000000
359.216	23.401	0.000000
364.205	23.465	0.000000
369.194	23.459	0.000000
374.183	23.468	0.000000
379.172	23.439	0.000000
384.161	23.368	0.000000
389.150	23.357	0.000000
394.140	23.329	0.000000
399.129	23.386	0.000000
404.118	23.269	0.000000
409.107	23.250	0.000000
414.096	23.048	0.000000

Highway 9  
Alternative 1B - Input Report

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419.085	23.404	0.000000
424.035	23.719	0.000000
428.984	23.699	0.000000
433.934	23.635	0.000000
438.883	23.831	0.000000
443.833	23.773	0.000000
448.782	23.687	0.000000
453.732	23.670	0.000000
458.681	23.644	0.000000
463.577	23.500	0.000000
466.686	19.000	0.000000
471.453	18.000	0.000000
476.327	19.100	0.000000
481.835	22.600	0.000000
488.379	22.690	0.000000
493.328	22.970	0.000000
498.278	23.051	0.000000
503.227	23.213	0.000000
508.177	23.369	0.000000
513.126	23.248	0.000000
518.076	22.896	0.000000
523.026	22.914	0.000000
527.975	23.366	0.000000
532.925	23.746	0.000000
537.874	23.983	0.000000
542.824	24.148	0.000000
547.773	24.249	0.000000
552.723	24.318	0.000000
557.694	24.398	0.000000
562.665	24.446	0.000000
567.636	24.415	0.000000
572.607	24.460	0.000000
577.578	24.609	0.000000
582.549	24.687	0.000000
587.520	24.775	0.000000
592.491	24.833	0.000000
597.462	24.897	0.000000
602.433	24.892	0.000000
607.405	24.926	0.000000
612.376	24.952	0.000000
617.347	24.996	0.000000
622.318	24.978	0.000000
627.289	25.031	0.000000
632.260	25.111	0.000000
637.231	25.162	0.000000
642.202	25.210	0.000000
647.173	25.259	0.000000
652.042	25.284	0.000000
656.912	25.391	0.000000
661.781	25.378	0.000000
666.650	25.393	0.000000
671.519	25.495	0.000000
676.389	25.514	0.000000
681.258	25.594	0.000000
686.127	25.668	0.000000
690.996	25.721	0.000000
695.866	25.762	0.000000
700.735	25.845	0.000000
705.604	25.898	0.000000
710.473	25.941	0.000000
715.343	25.980	0.000000
720.212	26.045	0.000000
725.081	26.084	0.000000
729.950	26.150	0.000000
734.820	26.262	0.000000
739.689	26.367	0.000000
744.558	26.403	0.000000
749.427	26.484	0.000000
754.296	26.525	0.000000
759.166	26.520	0.000000
764.041	26.596	0.000000
768.916	26.573	0.000000
773.791	26.604	0.000000
778.666	26.521	0.000000
783.542	26.453	0.000000
788.417	26.439	0.000000
793.292	26.512	0.000000
798.167	26.538	0.000000
803.042	26.559	0.000000
807.918	26.496	0.000000
812.793	26.436	0.000000
817.668	26.375	0.000000
822.543	26.431	0.000000
827.418	26.423	0.000000
832.293	26.384	0.000000
837.169	26.479	0.000000
842.044	26.492	0.000000
846.919	26.562	0.000000

Highway 9  
Alternative 1B - Input Report

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851.794	26.594	0.000000
856.669	26.584	0.000000
861.545	26.643	0.000000
866.420	26.768	0.000000
871.295	26.724	0.000000
876.170	26.712	0.000000
881.045	26.802	0.000000
885.920	26.793	0.000000

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Name: 0\_Mod  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000

354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
452.753	23.500	0.045000
463.953	18.000	0.045000
471.453	18.000	0.045000
478.953	18.000	0.045000
488.953	23.000	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000

807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

Name: 1\_Mod  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.000	0.045000
4.961	27.006	0.045000
9.921	27.011	0.045000
14.882	27.008	0.045000
19.843	26.959	0.045000
24.803	26.958	0.045000
29.764	27.000	0.045000
34.724	26.934	0.045000
39.685	26.907	0.045000
44.646	26.950	0.045000
49.606	27.033	0.045000
54.567	27.095	0.045000
59.528	27.209	0.045000
64.488	27.206	0.045000
69.449	27.213	0.045000
74.410	27.235	0.045000
79.370	27.256	0.045000
84.331	27.274	0.045000
89.291	27.096	0.045000
94.252	27.070	0.045000
99.213	27.061	0.045000
104.173	26.978	0.045000
109.134	26.854	0.045000
114.095	26.816	0.045000
119.055	26.779	0.045000
124.016	26.741	0.045000
128.976	26.684	0.045000
133.937	26.613	0.045000
138.898	26.499	0.045000
143.858	26.143	0.045000
148.819	25.691	0.045000
153.780	25.636	0.045000
158.740	25.648	0.045000
162.824	25.600	0.045000
177.624	18.200	0.045000
185.124	18.200	0.045000
192.624	18.200	0.045000
207.423	25.600	0.045000
210.137	25.749	0.045000
214.746	25.684	0.045000
219.724	25.471	0.045000
224.702	25.334	0.045000
229.680	25.320	0.045000
234.658	25.304	0.045000
239.636	25.435	0.045000
244.614	25.418	0.045000
249.592	25.470	0.045000
254.571	25.500	0.045000
259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000

Highway 9  
 Alternative 1B - Input Report

329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000
398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

Name: A1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000



Highway 9  
Alternative 1B - Input Report

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291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000

734.743            30.217            0.045000

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 Name: Al\_Mod                            Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000
291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.070	25.000	0.045000
326.070	20.000	0.045000
332.070	20.000	0.045000
338.070	20.000	0.045000
348.070	25.000	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000

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394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000

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 Name: A2  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000

Highway 9  
Alternative 1B - Input Report

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44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000

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472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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Name: A2\_Mod  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000
44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
157.070	25.000	0.045000
167.070	20.000	0.045000
173.070	20.000	0.045000
179.070	20.000	0.045000
189.070	25.000	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000

294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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 Name: A3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000



Highway 9  
 Alternative 1B - Input Report

59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: El  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000



Highway 9  
 Alternative 1B - Input Report

243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

Name: E2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000
87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000
156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000
224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000

Highway 9  
 Alternative 1B - Input Report

249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000

Highway 9  
Alternative 1B - Input Report

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163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

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Name: E4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000

412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000

Highway 9  
Alternative 1B - Input Report

850.142 31.756 0.045000  
855.126 31.757 0.045000

Name: F Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000
217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000
286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000
356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000

380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

Name: F1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000
69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000
208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000

Highway 9  
Alternative 1B - Input Report

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233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000
636.840	29.030	0.045000

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Name: HWY 57 N  
Encroachment: No

Group: BASE



Station(ft)	Elevation(ft)	Manning's N
0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000
246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000

Highway 9  
Alternative 1B - Input Report

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400.219	29.992	0.045000
405.128	29.991	0.045000
410.037	29.856	0.045000
414.945	30.024	0.045000
419.854	30.198	0.045000
424.763	30.308	0.045000
429.672	30.294	0.045000
434.580	30.363	0.045000
439.489	30.361	0.045000
444.398	30.383	0.045000
449.306	30.397	0.045000
454.215	30.411	0.045000
459.124	30.559	0.045000
464.033	30.690	0.045000
468.941	30.758	0.045000
473.850	30.569	0.045000
478.759	30.381	0.045000
483.668	30.301	0.045000
488.576	30.229	0.045000
493.485	30.251	0.045000
498.394	30.263	0.045000
503.302	30.173	0.045000
508.211	30.196	0.045000
513.120	30.353	0.045000
518.029	30.687	0.045000
522.937	30.950	0.045000
527.846	31.172	0.045000
532.755	31.238	0.045000
537.663	31.248	0.045000

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Name: HWY 57 S Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	33.676	0.045000
4.866	33.611	0.045000
9.732	33.525	0.045000
14.598	33.496	0.045000
19.464	33.513	0.045000
24.330	33.530	0.045000
29.196	33.545	0.045000
34.062	33.564	0.045000
38.928	33.578	0.045000
43.794	33.588	0.045000
48.660	33.602	0.045000
53.526	33.609	0.045000
58.392	33.618	0.045000
63.259	33.604	0.045000
68.125	33.303	0.045000
72.991	32.737	0.045000
77.857	32.140	0.045000
82.723	31.628	0.045000
90.000	31.500	0.045000
103.831	30.900	0.045000
109.264	27.400	0.045000
112.984	21.700	0.045000
116.540	21.100	0.045000
121.076	22.000	0.045000
124.320	28.300	0.045000
131.291	28.887	0.045000
136.147	29.394	0.045000
141.002	29.615	0.045000
145.905	29.791	0.045000
150.808	30.039	0.045000
155.711	30.349	0.045000
160.614	30.358	0.045000
165.517	30.355	0.045000
170.420	30.479	0.045000
175.323	30.668	0.045000
180.226	30.852	0.045000
185.129	30.951	0.045000
190.032	31.105	0.045000
194.935	31.187	0.045000
199.838	31.134	0.045000
204.741	31.153	0.045000
209.644	31.331	0.045000
214.547	31.538	0.045000
219.450	31.562	0.045000
224.353	31.615	0.045000
229.256	31.647	0.045000
234.159	31.539	0.045000
239.062	31.514	0.045000
243.965	31.567	0.045000
248.868	31.640	0.045000

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253.771	31.628	0.045000
258.674	31.704	0.045000
263.577	31.798	0.045000
268.480	31.816	0.045000
273.383	31.750	0.045000
278.286	31.792	0.045000
283.189	31.965	0.045000
288.092	32.010	0.045000
292.995	31.930	0.045000
297.898	31.733	0.045000

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Name: HWY 9 US Group: BASE  
 Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.017	0.045000
4.924	29.029	0.045000
9.848	28.839	0.045000
14.772	28.220	0.045000
19.696	26.684	0.045000
24.621	25.496	0.045000
29.545	25.564	0.045000
34.469	25.861	0.045000
39.393	26.303	0.045000
44.317	26.704	0.045000
49.241	26.362	0.045000
54.165	25.060	0.045000
54.176	24.800	0.045000
60.206	21.500	0.045000
66.625	21.000	0.045000
67.978	18.700	0.045000
71.907	18.100	0.045000
75.475	20.000	0.045000
79.606	23.800	0.045000
83.390	24.400	0.045000
84.078	25.010	0.045000
89.076	25.514	0.045000
94.073	25.926	0.045000
99.071	25.831	0.045000
104.063	25.674	0.045000
109.056	25.666	0.045000
114.048	25.399	0.045000
119.041	24.940	0.045000
124.033	24.747	0.045000
129.026	24.447	0.045000
134.018	24.293	0.045000
139.011	24.581	0.045000
144.003	24.952	0.045000
148.996	24.712	0.045000
153.988	24.536	0.045000
158.981	24.550	0.045000
163.973	24.588	0.045000
168.966	24.667	0.045000
173.958	24.784	0.045000
178.950	25.133	0.045000
183.943	25.568	0.045000
188.935	25.725	0.045000
193.928	25.736	0.045000
198.920	25.806	0.045000
203.913	25.852	0.045000
208.905	25.838	0.045000
213.898	25.968	0.045000
218.890	26.075	0.045000
223.883	25.996	0.045000

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Name: J Group: BASE  
 Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	28.596	0.045000
4.904	28.574	0.045000
9.808	28.578	0.045000
14.712	28.624	0.045000
19.615	28.560	0.045000
24.519	28.356	0.045000
29.423	28.118	0.045000
34.327	27.988	0.045000
39.231	27.856	0.045000
44.135	28.056	0.045000
49.039	28.329	0.045000

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53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000

Highway 9  
Alternative 1B - Input Report

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481.687	28.900	0.045000
486.594	28.850	0.045000
491.501	28.858	0.045000
496.408	28.871	0.045000

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Name: J1  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.299	0.045000
4.997	29.237	0.045000
9.995	29.271	0.045000
14.992	29.289	0.045000
19.989	29.289	0.045000
24.987	29.297	0.045000
29.984	29.224	0.045000
34.981	29.244	0.045000
39.979	29.223	0.045000
44.976	29.127	0.045000
49.973	29.000	0.045000
54.971	29.100	0.045000
59.968	29.218	0.045000
64.965	29.288	0.045000
69.963	29.354	0.045000
74.960	29.317	0.045000
79.957	29.182	0.045000
84.955	29.174	0.045000
89.952	29.307	0.045000
94.949	29.101	0.045000
99.947	28.984	0.045000
104.944	28.942	0.045000
109.941	28.963	0.045000
114.939	28.967	0.045000
119.936	28.782	0.045000
124.933	28.631	0.045000
129.931	28.796	0.045000
134.928	28.943	0.045000
139.925	28.929	0.045000
144.923	28.865	0.045000
149.920	28.922	0.045000
154.912	28.884	0.045000
159.903	28.805	0.045000
164.895	28.854	0.045000
169.886	28.746	0.045000
174.878	28.696	0.045000
179.870	28.726	0.045000
184.861	28.740	0.045000
189.853	28.727	0.045000
194.844	28.611	0.045000
199.836	28.460	0.045000
204.828	28.243	0.045000
209.819	28.210	0.045000
214.811	28.450	0.045000
219.802	28.627	0.045000
224.794	28.493	0.045000
229.785	28.451	0.045000
234.777	28.479	0.045000
239.769	28.538	0.045000
244.760	28.674	0.045000
249.752	28.605	0.045000
254.743	28.529	0.045000
259.735	28.622	0.045000
264.727	28.580	0.045000
269.718	28.583	0.045000
274.710	28.489	0.045000
279.701	28.668	0.045000
284.693	28.713	0.045000
289.685	28.544	0.045000
294.676	28.531	0.045000
299.668	28.538	0.045000
304.659	28.695	0.045000
309.651	28.900	0.045000
314.643	28.920	0.045000
319.634	28.912	0.045000
324.626	28.790	0.045000
329.617	28.792	0.045000
334.609	28.740	0.045000
339.601	28.532	0.045000
344.592	28.316	0.045000
349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000

374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000

Highway 9  
Alternative 1B - Input Report

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806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

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Name: K Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000
208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000
277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000
346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000

371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000



Highway 9  
Alternative 1B - Input Report

833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000
14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000

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39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000
312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000

475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000

Highway 9  
 Alternative 1B - Input Report

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910.950	25.006	0.045000
915.861	25.052	0.045000
920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

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Name: X7    Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000
34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000
103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000
171.702	26.100	0.045000
176.600	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000

Highway 9  
Alternative 1B - Input Report

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196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000
606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000

631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

-----  
 Name: X8  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000
122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000

146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000

581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000
990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000



1015.620	23.703	0.045000
1020.552	23.845	0.045000
1025.484	23.977	0.045000
1030.415	24.007	0.045000
1035.347	24.119	0.045000
1040.279	23.926	0.045000
1045.211	23.762	0.045000
1050.142	23.673	0.045000
1055.074	23.493	0.045000

=====  
===== Operating Tables =====  
=====

Name:                                  Group: BASE  
Type: Rating Curve  
Function: Head vs. Discharge

Head(ft)   Discharge(cfs)  
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=====  
===== Pipes =====  
=====

Name: A	From Node: A_up	Length(ft): 134.00
Group: BASE	To Node: A_dn	Count: 2
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Rectangular	Rectangular	Entrance Loss Coef: 0.50
Span(in): 72.00	72.00	Exit Loss Coef: 0.50
Rise(in): 72.00	72.00	Bend Loss Coef: 0.00
Invert(ft): 20.110	19.600	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.040000	0.040000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
Rectangular Box: 30° to 75° wingwall flares

-----

Name: B	From Node: B_up	Length(ft): 55.00
Group: BASE	To Node: B_dn	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.20
Span(in): 36.00	36.00	Exit Loss Coef: 0.50
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 21.200	21.000	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

-----

Name: G	From Node: G_up	Length(ft): 115.00
Group: BASE	To Node: G_dn	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 18.00	18.00	Exit Loss Coef: 0.50
Rise(in): 18.00	18.00	Bend Loss Coef: 0.00
Invert(ft): 25.000	24.430	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.040000	0.040000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

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-----
Name: H-I                      From Node: H                      Length(ft): 170.00
Group: BASE                    To Node: I                        Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.50
                                Exit Loss Coef: 0.50
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

                                UPSTREAM      DOWNSTREAM
Geometry: Circular            Circular
Span(in): 36.00              36.00
Rise(in): 36.00              36.00
Invert(ft): 21.810           20.750
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: JB-Out                   From Node: JB                      Length(ft): 263.00
Group: BASE                    To Node: BNDRY_Off                Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.00
                                Exit Loss Coef: 1.00
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

                                UPSTREAM      DOWNSTREAM
Geometry: Circular            Circular
Span(in): 30.00              30.00
Rise(in): 30.00              30.00
Invert(ft): 24.130           23.280
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: Pond C                   From Node: C_up                   Length(ft): 90.00
Group: BASE                    To Node: C_dn                     Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
                                Entrance Loss Coef: 0.20
                                Exit Loss Coef: 0.50
                                Bend Loss Coef: 0.00
                                Outlet Ctrl Spec: Use dc or tw
                                Inlet Ctrl Spec: Use dc
                                Stabilizer Option: None

                                UPSTREAM      DOWNSTREAM
Geometry: Circular            Circular
Span(in): 36.00              36.00
Rise(in): 36.00              36.00
Invert(ft): 23.450           23.000
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

=====  
 === Channels =====  
 =====

```

Name: A-Alt1                   From Node: A_dn                   Length(ft): 300.00
Group: BASE                    To Node: Alt1                     Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Automatic
                                Flow: Both
                                Contraction Coef: 0.100
                                Expansion Coef: 0.300

                                UPSTREAM      DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 19.600           18.800
TClpInitz(ft): 9999.000      9999.000
Manning's N:
  
```

Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: 1\_Mod 0\_Mod Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: A1 From Node: A1 Length(ft): 244.00  
 Group: BASE To Node: A\_up Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A1_Mod A_up_Mod		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000 0.000		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000 0.000		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: A2 From Node: A2 Length(ft): 375.00  
 Group: BASE To Node: A1 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A2_Mod A1_Mod		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000 0.000		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000 0.000		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: A3 From Node: A3 Length(ft): 170.00  
 Group: BASE To Node: A2 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.100	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A3 A2_Mod		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000 0.000		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000 0.000		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

```

Name: Alt1-X3          From Node: Alt1          Length(ft): 316.00
Group: BASE           To Node: X3              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular   Irregular          Solution Algorithm: Automatic
Invert(ft): 18.800    18.000            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
Main XSec: 0              0              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000      0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000      0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: B-A             From Node: B_dn          Length(ft): 346.00
Group: BASE          To Node: A_up           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal          Solution Algorithm: Automatic
Invert(ft): 20.800    20.110            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N: 0.035000 0.035000         Expansion Coef: 0.300
Top Clip(ft): 0.000    0.000            Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000    0.000            Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000      4.000
LtSdSlp(h/v): 2.00       2.00
RtSdSlp(h/v): 2.00       2.00
  
```

```

-----
Name: C-B             From Node: C_dn          Length(ft): 846.00
Group: BASE          To Node: B_up           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal          Solution Algorithm: Automatic
Invert(ft): 23.000    21.200            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N: 0.035000 0.035000         Expansion Coef: 0.300
Top Clip(ft): 0.000    0.000            Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000    0.000            Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000      4.000
LtSdSlp(h/v): 2.00       2.00
RtSdSlp(h/v): 2.00       2.00
  
```

```

-----
Name: D-E             From Node: D             Length(ft): 236.00
Group: BASE          To Node: E              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal          Solution Algorithm: Automatic
Invert(ft): 22.800    20.200            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N: 0.035000 0.035000         Expansion Coef: 0.300
Top Clip(ft): 0.000    0.000            Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000    0.000            Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
  
```

Depth(ft):  
Bot Width(ft): 6.000            6.000  
LtSdSlp(h/v): 2.00            2.00  
RtSdSlp(h/v): 2.00            2.00

Name: E                            From Node: E                            Length(ft): 97.00  
Group: BASE                        To Node: A3                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.200	20.100	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: E	A3	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: E1                            From Node: E1                            Length(ft): 354.00  
Group: BASE                        To Node: E                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 21.000	20.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: E1	E	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: E2                            From Node: E2                            Length(ft): 350.00  
Group: BASE                        To Node: E1                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 21.500	21.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: E2	E1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: E3                            From Node: E3                            Length(ft): 500.00  
Group: BASE                        To Node: E2                            Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 22.500	21.500	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300

Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E3 E2 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: E4 From Node: E4 Length(ft): 255.00  
 Group: BASE To Node: E3 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 23.000 22.500 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E4 E3 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: E5 From Node: HWY57\_S Length(ft): 570.00  
 Group: BASE To Node: E4 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 24.200 23.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: HWY 57 S E4 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: F From Node: F Length(ft): 103.00  
 Group: BASE To Node: E Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 19.070 20.200 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: F E Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

---

Name: F1	From Node: F1	Length(ft): 293.00
Group: BASE	To Node: F	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.700	19.070	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: F1	F	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

---

Name: G-F1	From Node: G_dn	Length(ft): 285.00
Group: BASE	To Node: F1	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 24.430	22.740	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 3.00	3.00	
RtSdSlp(h/v): 3.00	3.00	

---

Name: I-J	From Node: I	Length(ft): 296.00
Group: BASE	To Node: J	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.750	22.500	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.045000		Expansion Coef: 0.300
Top Clip(ft): 0.000		Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000		Exit Loss Coef: 0.000
Main XSec:	J	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 6.000		
LtSdSlp(h/v): 2.00		
RtSdSlp(h/v): 2.00		

---

Name: J	From Node: J	Length(ft): 558.00
Group: BASE	To Node: F1	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 22.500	19.700	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: J	F1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		

Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

```

-----
Name: J1                      From Node: J1          Length(ft): 622.00
Group: BASE                   To Node: J            Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 23.500          22.500
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: J1                J
AuxElev1(ft): 0.000         0.000
Aux XSec1:
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: K                        From Node: K          Length(ft): 700.00
Group: BASE                   To Node: J1          Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 25.000          23.500
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: K                 J1
AuxElev1(ft): 0.000         0.000
Aux XSec1:
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: K1                       From Node: HWY57_N   Length(ft): 647.00
Group: BASE                   To Node: K           Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 25.500          25.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: HWY 57 N         K
AuxElev1(ft): 0.000         0.000
Aux XSec1:
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: Out-X7                   From Node: X3        Length(ft): 2057.00
Group: BASE                   To Node: X7         Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 18.000          17.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300

```



Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: X4 X7 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: X2-Out From Node: X2 Length(ft): 750.00  
 Group: BASE To Node: X3 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Trapezoidal Trapezoidal Solution Algorithm: Automatic  
 Invert(ft): 18.500 18.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: 0.045000 0.045000 Expansion Coef: 0.300  
 Top Clip(ft): 0.000 0.000 Entrance Loss Coef: 0.000  
 Bot Clip(ft): 0.000 0.000 Exit Loss Coef: 0.000  
 Main XSec: Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft):  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft): 5.000 5.000  
 LtSdSlp(h/v): 2.00 2.00  
 RtSdSlp(h/v): 2.00 2.00

-----  
 Name: X7-X8 From Node: X7 Length(ft): 2100.00  
 Group: BASE To Node: BNDRY Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 17.000 16.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: X7 X8 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

=====  
 Drop Structures =====  
 =====

Name: Pond A\_Out From Node: Pond A Length(ft): 295.00  
 Group: BASE To Node: Pond C Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Circular Circular Solution Algorithm: Most Restrictive  
 Span(in): 48.00 48.00 Flow: Both  
 Rise(in): 48.00 48.00 Entrance Loss Coef: 0.200  
 Invert(ft): 21.460 19.380 Exit Loss Coef: 1.000  
 Manning's N: 0.013000 0.013000 Outlet Ctrl Spec: Use dc or tw  
 Top Clip(in): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Bot Clip(in): 0.000 0.000 Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 18.00 Invert(ft): 25.100  
 Rise(in): 16.80 Control Elev(ft): 25.100

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Circular Orifice Disc Coef: 0.600  
 Span(in): 8.00 Invert(ft): 23.390  
 Rise(in): 8.00 Control Elev(ft): 23.390

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 164.00 Invert(ft): 26.500  
 Rise(in): 99999.00 Control Elev(ft): 26.500

-----  
 Name: Pond B\_Out1 From Node: Pond B Length(ft): 115.00  
 Group: BASE To Node: JB Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 32.76 Control Elev(ft): 24.620

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 27.350  
 Rise(in): 24.00 Control Elev(ft): 27.350

-----  
 Name: Pond B\_Out2 From Node: Pond B Length(ft): 224.00  
 Group: BASE To Node: H Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 6.00	Control Elev(ft): 24.620	

Name: Pond C_Out	From Node: Pond C	Length(ft): 12.00
Group: BASE	To Node: F	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.550	
Rise(in): 26.00	Control Elev(ft): 23.550	

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 25.710	
Rise(in): 48.00	Control Elev(ft): 25.710	

Name: X5-X2	From Node: X5	Length(ft): 250.00
Group: BASE	To Node: X2	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.000	
Rise(in): 48.00	Control Elev(ft): 23.000	

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 6.00	Control Elev(ft): 22.000	

Name: X6-X7	From Node: X6	Length(ft): 100.00
Group: BASE	To Node: X7	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 48.00	Control Elev(ft): 22.000	

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 21.000	
Rise(in): 6.00	Control Elev(ft): 21.000	

==== Weirs =====

Name: A_Over	From Node: Pond A
Group: BASE	To Node: Pond C
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 10.00	
Left Side Slope(h/v): 20.00	
Right Side Slope(h/v): 20.00	
Invert(ft): 29.400	
Control Elevation(ft): 29.400	
Struct Opening Dim(ft): 9999.00	
	TABLE
Bottom Clip(ft): 0.000	
Top Clip(ft): 0.000	
Weir Discharge Coef: 3.200	
Orifice Discharge Coef: 0.600	

Name: B_Over	From Node: B_up
Group: BASE	To Node: B_dn
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 50.00	
Left Side Slope(h/v): 100.00	
Right Side Slope(h/v): 50.00	
Invert(ft): 27.300	
Control Elevation(ft): 27.300	

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Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: C\_Over                      From Node: C\_up  
Group: BASE                      To Node: C\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 27.000  
Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: G\_Over                      From Node: G\_up  
Group: BASE                      To Node: G\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: H\_Over                      From Node: H  
Group: BASE                      To Node: I  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond A\_Over2               From Node: A\_up  
Group: BASE                      To Node: A\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

```

-----
Name: Pond B_Over      From Node: Pond B
Group: BASE           To Node: H
Flow: Both            Count: 1
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 50.00
Left Side Slope(h/v): 50.00
Right Side Slope(h/v): 50.00
            Invert(ft): 28.500
Control Elevation(ft): 28.500
Struct Opening Dim(ft): 9999.00

                                TABLE

Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

```

```

-----
Name: Pond C_Over      From Node: Pond C
Group: BASE           To Node: F
Flow: Both            Count: 1
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 10.00
Left Side Slope(h/v): 5.00
Right Side Slope(h/v): 5.00
            Invert(ft): 26.000
Control Elevation(ft): 26.000
Struct Opening Dim(ft): 9999.00

                                TABLE

Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

```

=====  
=== Hydrology Simulations ===  
=====

```

Name: 002-yr
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\002-yr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 4.50

```

```

Time(hrs)      Print Inc(min)
-----
48.000         5.00

```

```

-----
Name: 010-yr
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\010-yr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 6.70

```

```

Time(hrs)      Print Inc(min)
-----
48.000         5.00

```

```

-----
Name: 025-yr
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\025-yr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 7.60

```

```

Time(hrs)      Print Inc(min)
-----
48.000         5.00

```

```

-----
Name: 050-yr
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\050-yr.R32

Override Defaults: Yes

```

Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\100-yr.R32  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\OCT-2015.R32  
Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)      Print Inc(min)  
-----  
120.000         5.00

-----  
Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\OCT-2016.R32  
Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\002-yr.I32  
Execute: Yes                      Restart: No                      Patch: No  
Alternative: No  
Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year

Time(hrs)      Print Inc(min)  
-----  
9999.000        15.000

Group          Run  
-----  
BASE           Yes

-----  
Name: 010-yr                      Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\010-yr.I32  
Execute: Yes                      Restart: No                      Patch: No  
Alternative: No  
Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                      Boundary Flows: 010-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      5.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: 025-yr                    Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\025-yr.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                Boundary Flows: 025-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: 050-yr                    Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\050-yr.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year                Boundary Flows: 050-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: 100-yr                    Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\100-yr.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year                Boundary Flows: 100-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000  
  
Group            Run  
-----  
BASE            Yes

-----  
Name: OCT-2015                    Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\OCT-2015.I32  
  
Execute: Yes            Restart: No            Patch: No  
Alternative: No



Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 144.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: OCT-2015	Boundary Flows: OCT-2015

Time(hrs)	Print Inc(min)
-----	-----
999.000	15.000
Group	Run
-----	-----
BASE	Yes

-----

Name: OCT-2016                      Hydrology Sim: OCT-2016  
 Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 1\Alt 1B\OCT-2016.I32

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 72.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: OCT-2016	Boundary Flows: OCT-2016

Time(hrs)	Print Inc(min)
-----	-----
999.000	15.000
Group	Run
-----	-----
BASE	Yes

=====  
 === Boundary Conditions =====  
 =====

Name: 010-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
-----	-----
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000

Highway 9  
Alternative 1B - Input Report

---

9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740
18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430

31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110

Highway 9  
 Alternative 1B - Input Report

---

53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year

Node: HWY57\_N

Type: Flow

Time(hrs)

Flow(cfs)

---

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000

Highway 9  
Alternative 1B - Input Report

---

1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790

Highway 9  
Alternative 1B - Input Report

---

23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750

Highway 9  
Alternative 1B - Input Report

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45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250

Highway 9  
 Alternative 1B - Input Report

67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

Name: 050-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170



Highway 9  
Alternative 1B - Input Report

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15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590

Highway 9  
Alternative 1B - Input Report

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37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200

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59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

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 Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000

Highway 9  
Alternative 1B - Input Report

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8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160

Highway 9  
Alternative 1B - Input Report

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30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700

Highway 9  
 Alternative 1B - Input Report

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52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000

Highway 9  
Alternative 1B - Input Report

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0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510

Highway 9  
Alternative 1B - Input Report

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22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840



44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270

Highway 9  
 Alternative 1B - Input Report

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66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

-----  
 Name: 025-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980

Highway 9  
Alternative 1B - Input Report

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14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040

36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830

Highway 9  
 Alternative 1B - Input Report

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58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

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 Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850

Highway 9  
Alternative 1B - Input Report

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6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040

Highway 9  
Alternative 1B - Input Report

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28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160

50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870



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Name: 100-year                      Node: HWY57\_S                      Type: Flow

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Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290
7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970

Highway 9  
Alternative 1B - Input Report

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20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760

Highway 9  
Alternative 1B - Input Report

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42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520

Highway 9  
 Alternative 1B - Input Report

---

64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

-----  
 Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)

---

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380

Highway 9  
Alternative 1B - Input Report

---

13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290

Highway 9  
Alternative 1B - Input Report

---

35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620

Highway 9  
 Alternative 1B - Input Report

---

57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

-----  
 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000

Highway 9  
Alternative 1B - Input Report

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5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230



27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260

Highway 9  
Alternative 1B - Input Report

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49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890

Highway 9  
 Alternative 1B - Input Report

71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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 Name: OCT-2016                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000

Highway 9  
Alternative 1B - Input Report

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19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070

Highway 9  
Alternative 1B - Input Report

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41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760

Highway 9  
 Alternative 1B - Input Report

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63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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 Name: OCT-2016                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640
6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780
10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550

Highway 9  
Alternative 1B - Input Report

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11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630
16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840
18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540

Highway 9  
Alternative 1B - Input Report

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33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750



Highway 9  
Alternative 1B - Input Report

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55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000

Highway 9  
Alternative 1B - Input Report

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4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000

Highway 9  
Alternative 1B - Input Report

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26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640

Highway 9  
Alternative 1B - Input Report

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48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900

Highway 9  
Alternative 1B - Input Report

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70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830

Highway 9  
Alternative 1B - Input Report

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92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930

Highway 9  
Alternative 1B - Input Report

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114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130

Highway 9  
Alternative 1B - Input Report

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136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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Name: OCT-2015

Node: HWY57\_S

Type: Flow

Time(hrs)      Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000



Highway 9  
Alternative 1B - Input Report

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12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580

Highway 9  
Alternative 1B - Input Report

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34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970

Highway 9  
Alternative 1B - Input Report

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56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850

Highway 9  
Alternative 1B - Input Report

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78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460

Highway 9  
Alternative 1B - Input Report

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100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030

122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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Name: 002-year		Node: BNDRY	Type: Stage
Time(hrs)	Stage(ft)		
0.000	16.000		
0.250	16.000		
0.500	16.000		
0.750	16.000		
1.000	16.000		
1.250	16.000		
1.500	16.000		
1.750	16.000		
2.000	16.000		
2.250	16.000		
2.500	16.000		
2.750	16.000		
3.000	16.000		
3.250	16.000		
3.500	16.000		
3.750	16.000		
4.000	16.000		
4.250	16.000		
4.500	16.000		
4.750	16.000		
5.000	16.000		
5.250	16.000		
5.500	16.000		
5.750	16.000		
6.000	16.000		
6.250	16.000		
6.500	16.000		
6.750	16.001		
7.000	16.001		
7.250	16.001		
7.500	16.002		
7.750	16.002		
8.000	16.003		
8.250	16.005		
8.500	16.006		
8.750	16.009		
9.000	16.012		
9.250	16.018		
9.500	16.028		
9.750	16.048		
10.000	16.070		
10.250	16.093		
10.500	16.118		
10.750	16.148		
11.000	16.183		
11.250	16.227		
11.500	16.282		
11.750	16.357		
12.000	16.354		
12.250	16.521		
12.500	16.906		
12.750	17.363		
13.000	17.820		
13.250	18.291		
13.500	18.687		
13.750	18.950		
14.000	19.094		
14.250	19.108		
14.500	19.105		
14.750	19.067		
15.000	18.979		
15.250	18.877		
15.500	18.774		
15.750	18.675		
16.000	18.575		
16.250	18.473		
16.500	18.372		
16.750	18.277		
17.000	18.189		
17.250	18.109		
17.500	18.037		
17.750	17.972		
18.000	17.920		
18.250	17.881		
18.500	17.843		
18.750	17.807		
19.000	17.774		
19.250	17.745		
19.500	17.719		
19.750	17.693		
20.000	17.669		
20.250	17.646		

Highway 9  
Alternative 1B - Input Report

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20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326



Highway 9  
Alternative 1B - Input Report

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42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107

Highway 9  
 Alternative 1B - Input Report

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64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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 Name: 010-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
-----	
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137

Highway 9  
Alternative 1B - Input Report

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12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946

Highway 9  
Alternative 1B - Input Report

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34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306

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56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

-----  
 Name: 025-year

Node: BNDRY

Type: Stage

Time(hrs)

Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001

Highway 9  
Alternative 1B - Input Report

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5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373

Highway 9  
Alternative 1B - Input Report

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27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405

Highway 9  
Alternative 1B - Input Report

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49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192



Highway 9  
 Alternative 1B - Input Report

71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

-----  
 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600

Highway 9  
Alternative 1B - Input Report

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19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599

41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270

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63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

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 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127

Highway 9  
Alternative 1B - Input Report

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11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199

33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356

Highway 9  
 Alternative 1B - Input Report

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55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000

Highway 9  
Alternative 1B - Input Report

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3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000
12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006



25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142

Highway 9  
Alternative 1B - Input Report

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47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069

Highway 9  
Alternative 1B - Input Report

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69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556

Highway 9  
Alternative 1B - Input Report

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91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399

113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442

---

135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

-----  
 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616
6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873
11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623

Highway 9  
Alternative 1B - Input Report

---

12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341
16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309
18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324

Highway 9  
Alternative 1B - Input Report

---

34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048



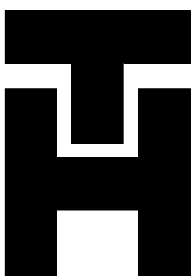
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485
64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386

**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 2**

**J – 26146.0000**

Prepared by:



**THOMAS & HUTTON**

Savannah, GA | Charleston, SC | Myrtle Beach, SC | Brunswick, GA | Wilmington, NC

=====  
==== Basins =====  
=====

Name: A Node: A\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00  
Area(ac): 13.040 Time Shift(hrs): 0.00  
Curve Number: 78.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: B Node: B\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 50.00  
Area(ac): 12.560 Time Shift(hrs): 0.00  
Curve Number: 85.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: C Node: C\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 72.00  
Area(ac): 24.120 Time Shift(hrs): 0.00  
Curve Number: 80.60 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: D Node: D Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00  
Area(ac): 22.090 Time Shift(hrs): 0.00  
Curve Number: 91.60 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: E Node: E Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 57.00  
Area(ac): 40.070 Time Shift(hrs): 0.00  
Curve Number: 84.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: F Node: F Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 43.00  
Area(ac): 10.150 Time Shift(hrs): 0.00  
Curve Number: 76.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: G Node: G\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00

---

Rainfall Amount(in): 0.000                      Time of Conc(min): 25.00  
Area(ac): 3.210                                  Time Shift(hrs): 0.00  
Curve Number: 83.00                            Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: H    Node: H    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 54.00  
Area(ac): 8.140    Time Shift(hrs): 0.00  
Curve Number: 82.80    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: I    Node: J    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 69.00  
Area(ac): 8.230    Time Shift(hrs): 0.00  
Curve Number: 78.70    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: J    Node: J    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 45.00  
Area(ac): 12.030    Time Shift(hrs): 0.00  
Curve Number: 77.00    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: K    Node: K    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 31.00  
Area(ac): 27.010    Time Shift(hrs): 0.00  
Curve Number: 77.80    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond A                                        Node: Pond A                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 29.00  
Area(ac): 9.570    Time Shift(hrs): 0.00  
Curve Number: 83.40    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond B                                        Node: Pond B                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 22.00  
Area(ac): 16.260    Time Shift(hrs): 0.00  
Curve Number: 82.00    Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond C                                        Node: Pond C                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 35.00  
Area(ac): 10.020 Time Shift(hrs): 0.00  
Curve Number: 80.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X1 Node: A\_dn Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 45.00  
Area(ac): 5.940 Time Shift(hrs): 0.00  
Curve Number: 89.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X2 Node: X2 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 11.470 Time Shift(hrs): 0.00  
Curve Number: 88.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X3 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 13.300 Time Shift(hrs): 0.00  
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X4 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 53.00  
Area(ac): 66.070 Time Shift(hrs): 0.00  
Curve Number: 88.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X5 Node: X5 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 9.00  
Area(ac): 10.610 Time Shift(hrs): 0.00  
Curve Number: 77.50 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X6 Node: X6 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00  
Area(ac): 21.360 Time Shift(hrs): 0.00  
Curve Number: 79.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                  Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000      Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A2                      Base Flow(cfs): 0.000      Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A3                      Base Flow(cfs): 0.000      Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_dn                    Base Flow(cfs): 0.000      Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_up                    Base Flow(cfs): 0.000      Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: B_dn                    Base Flow(cfs): 0.000      Init Stage(ft): 20.800
Group: BASE                   Warn Stage(ft): 24.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

Name: B\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.200  
 Group: BASE                      Warn Stage(ft): 24.200  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: BNDRY                      Base Flow(cfs): 0.000                      Init Stage(ft): 16.000  
 Group: BASE                      Warn Stage(ft): 23.000  
 Type: Time/Stage

Time(hrs)                      Stage(ft)  
 -----  
           0.00                      16.000  
           999.00                      16.000

Name: BNDRY\_Off                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.280  
 Group: BASE                      Warn Stage(ft): 27.210  
 Type: Time/Stage

Time(hrs)                      Stage(ft)  
 -----  
           0.00                      23.280  
           999.00                      23.280

Name: C\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: C\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.450  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
           23.450                      0.0000  
           27.000                      2.0000

Name: D                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.800  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E                      Base Flow(cfs): 0.000                      Init Stage(ft): 20.200  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
           20.200                      0.0000  
           27.000                      0.0100

Name: E1                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

-----  
 Name: E2                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
 Group: BASE                      Warn Stage(ft): 30.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: E3                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.500  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: E4                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: F                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.070  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: F1                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.700  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: G\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.430  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----  
 24.430                      0.0000  
 27.000                      0.0100

-----  
 Name: G\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.000  
 Group: BASE                      Warn Stage(ft): 27.660  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----  
 25.000                      0.0000  
 28.000                      0.0100

-----  
 Name: H                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.810  
 Group: BASE                      Warn Stage(ft): 27.590  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----  
 21.810                      0.0010  
 27.590                      0.0010



Highway 9  
Alternative 2 - Input Report

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Name: HWY57\_N                  Base Flow(cfs): 0.000                  Init Stage(ft): 25.760  
Group: BASE                         Warn Stage(ft): 32.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: HWY57\_S                  Base Flow(cfs): 0.000                  Init Stage(ft): 24.200  
Group: BASE                         Warn Stage(ft): 32.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: I                              Base Flow(cfs): 0.000                  Init Stage(ft): 20.750  
Group: BASE                         Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: J                              Base Flow(cfs): 0.000                  Init Stage(ft): 22.500  
Group: BASE                         Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: J1                             Base Flow(cfs): 0.000                  Init Stage(ft): 23.500  
Group: BASE                         Warn Stage(ft): 29.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: JB                             Base Flow(cfs): 0.000                  Init Stage(ft): 24.130  
Group: BASE                         Warn Stage(ft): 27.210  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: K                              Base Flow(cfs): 0.000                  Init Stage(ft): 25.000  
Group: BASE                         Warn Stage(ft): 30.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----

Name: Pond A                         Base Flow(cfs): 0.000                  Init Stage(ft): 23.550  
Group: BASE                         Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)                  Area(ac)  
-----  
23.390                      0.4100  
27.000                      0.8000

Name: Pond B                         Base Flow(cfs): 0.000                  Init Stage(ft): 24.620  
Group: BASE                         Warn Stage(ft): 29.000  
Type: Stage/Area

Highway 9  
Alternative 2 - Input Report

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Stage(ft)	Area(ac)
24.620	1.8100
29.000	2.0000

---

Name: Pond C                  Base Flow(cfs): 0.000                  Init Stage(ft): 23.550  
Group: BASE                          Warn Stage(ft): 28.000  
Type: Stage/Area

---

Stage(ft)	Area(ac)
23.550	0.4000
28.000	0.4500

---

Name: X2                          Base Flow(cfs): 0.000                  Init Stage(ft): 18.500  
Group: BASE                          Warn Stage(ft): 25.000  
Type: Stage/Area

---

Stage(ft)	Area(ac)

---

Name: X3                          Base Flow(cfs): 0.000                  Init Stage(ft): 18.000  
Group: BASE                          Warn Stage(ft): 25.000  
Type: Stage/Area

---

Stage(ft)	Area(ac)

---

Name: X5                          Base Flow(cfs): 0.000                  Init Stage(ft): 22.000  
Group: BASE                          Warn Stage(ft): 25.000  
Type: Stage/Area

---

Stage(ft)	Area(ac)
22.000	1.0500
25.000	1.9000

---

Name: X6                          Base Flow(cfs): 0.000                  Init Stage(ft): 21.000  
Group: BASE                          Warn Stage(ft): 23.000  
Type: Stage/Area

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Stage(ft)	Area(ac)
21.000	3.9800
23.000	5.5000

---

Name: X7                          Base Flow(cfs): 0.000                  Init Stage(ft): 17.000  
Group: BASE                          Warn Stage(ft): 23.000  
Type: Stage/Area

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Stage(ft)	Area(ac)

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=====  
=== Cross Sections ===  
=====

Name: 0                                  Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000

Highway 9  
Alternative 2 - Input Report

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29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000
354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
453.732	23.670	0.045000
458.681	23.644	0.045000
463.577	23.500	0.045000

Highway 9  
Alternative 2 - Input Report

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466.686	19.000	0.045000
471.453	18.000	0.045000
476.327	19.100	0.045000
481.835	22.600	0.045000
488.379	22.690	0.045000
493.328	22.970	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000
807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

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Name: 1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.000	0.045000
4.961	27.006	0.045000
9.921	27.011	0.045000
14.882	27.008	0.045000
19.843	26.959	0.045000
24.803	26.958	0.045000
29.764	27.000	0.045000
34.724	26.934	0.045000
39.685	26.907	0.045000
44.646	26.950	0.045000
49.606	27.033	0.045000
54.567	27.095	0.045000
59.528	27.209	0.045000
64.488	27.206	0.045000
69.449	27.213	0.045000
74.410	27.235	0.045000
79.370	27.256	0.045000
84.331	27.274	0.045000
89.291	27.096	0.045000
94.252	27.070	0.045000
99.213	27.061	0.045000
104.173	26.978	0.045000
109.134	26.854	0.045000
114.095	26.816	0.045000
119.055	26.779	0.045000
124.016	26.741	0.045000
128.976	26.684	0.045000
133.937	26.613	0.045000
138.898	26.499	0.045000
143.858	26.143	0.045000
148.819	25.691	0.045000
153.780	25.636	0.045000
158.740	25.648	0.045000
163.701	25.772	0.045000
168.662	25.530	0.045000
170.000	25.300	0.045000
176.241	22.300	0.045000
181.606	18.900	0.045000
185.124	18.200	0.045000
189.879	19.300	0.045000
197.158	24.900	0.045000
201.666	25.800	0.045000
205.529	25.886	0.045000
210.137	25.749	0.045000
214.746	25.684	0.045000
219.724	25.471	0.045000
224.702	25.334	0.045000
229.680	25.320	0.045000
234.658	25.304	0.045000
239.636	25.435	0.045000
244.614	25.418	0.045000
249.592	25.470	0.045000
254.571	25.500	0.045000
259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000
329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000

Highway 9  
 Alternative 2 - Input Report

398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

Name: A1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000
291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000

Highway 9  
 Alternative 2 - Input Report

370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000

Name: A2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000

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19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000
44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000



Highway 9  
Alternative 2 - Input Report

447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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Name: A3   Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000
109.531	23.779	0.045000
114.432	25.375	0.045000
119.333	26.454	0.045000
124.234	27.037	0.045000
129.135	27.468	0.045000
134.036	27.733	0.045000
138.936	27.814	0.045000
143.837	27.884	0.045000
148.738	28.063	0.045000
153.639	28.120	0.045000
158.540	28.243	0.045000
163.441	28.315	0.045000
168.341	28.228	0.045000
173.242	28.248	0.045000
176.925	28.277	0.045000

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Name: E   Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	46.837	0.045000
4.945	47.344	0.045000
9.890	49.574	0.045000
14.835	47.989	0.045000
19.780	43.436	0.045000
24.725	38.399	0.045000
29.670	33.765	0.045000

34.615	31.163	0.045000
39.560	29.728	0.045000
44.504	28.299	0.045000
49.449	27.202	0.045000
54.394	26.965	0.045000
59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: El Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000

Highway 9  
Alternative 2 - Input Report

218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000
243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

Name: E2  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000
87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000
156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000

Highway 9  
Alternative 2 - Input Report

224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000
249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000

138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000
163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

Name: E4  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000

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387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000
412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000

825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000
850.142	31.756	0.045000
855.126	31.757	0.045000

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Name: F Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000
217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000
286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000



Highway 9  
 Alternative 2 - Input Report

356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000
380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

Name: F1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000
69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000

208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000
233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000







Highway 9  
Alternative 2 - Input Report

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29.423	28.118	0.045000
34.327	27.988	0.045000
39.231	27.856	0.045000
44.135	28.056	0.045000
49.039	28.329	0.045000
53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000



Highway 9  
Alternative 2 - Input Report

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349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000
374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000



Highway 9  
Alternative 2 - Input Report

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781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000
806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

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Name: K  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000
208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000
277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000

Highway 9  
Alternative 2 - Input Report

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346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000
371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000

Highway 9  
Alternative 2 - Input Report

809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000
833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000

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14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000
39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000
312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000

Highway 9  
Alternative 2 - Input Report

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451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000
475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000

886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000
910.950	25.006	0.045000
915.861	25.052	0.045000
920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

Name: X7  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000
34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000
103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000

Highway 9  
Alternative 2 - Input Report

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171.702	26.100	0.045000
176.700	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000
196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000

Highway 9  
 Alternative 2 - Input Report

606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000
631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

Name: X8  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000



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122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000
146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000

Highway 9  
Alternative 2 - Input Report

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556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000
581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000

990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000
1015.620	23.703	0.045000
1020.552	23.845	0.045000
1025.484	23.977	0.045000
1030.415	24.007	0.045000
1035.347	24.119	0.045000
1040.279	23.926	0.045000
1045.211	23.762	0.045000
1050.142	23.673	0.045000
1055.074	23.493	0.045000

=====  
 Operating Tables  
 =====

Name: Group: BASE  
 Type: Rating Curve  
 Function: Head vs. Discharge

Head(ft) Discharge(cfs)  
 -----

=====  
 Pipes  
 =====

Name: A From Node: A\_up Length(ft): 134.00  
 Group: BASE To Node: A\_dn Count: 2  
 Friction Equation: Automatic  
 Solution Algorithm: Most Restrictive  
 Flow: Both  
 Entrance Loss Coef: 0.50  
 Exit Loss Coef: 0.50  
 Bend Loss Coef: 0.00  
 Outlet Ctrl Spec: Use dc or tw  
 Inlet Ctrl Spec: Use dc  
 Stabilizer Option: None

UPSTREAM	DOWNSTREAM
Geometry: Rectangular	Rectangular
Span(in): 120.00	120.00
Rise(in): 72.00	72.00
Invert(ft): 20.110	19.600
Manning's N: 0.040000	0.040000
Top Clip(in): 0.000	0.000
Bot Clip(in): 0.000	0.000

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

-----

Name: B From Node: B\_up Length(ft): 55.00  
 Group: BASE To Node: B\_dn Count: 1  
 Friction Equation: Automatic  
 Solution Algorithm: Most Restrictive  
 Flow: Both  
 Entrance Loss Coef: 0.20  
 Exit Loss Coef: 0.50  
 Bend Loss Coef: 0.00  
 Outlet Ctrl Spec: Use dc or tw  
 Inlet Ctrl Spec: Use dc  
 Stabilizer Option: None

UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular
Span(in): 36.00	36.00
Rise(in): 36.00	36.00
Invert(ft): 21.200	21.000
Manning's N: 0.013000	0.013000
Top Clip(in): 0.000	0.000
Bot Clip(in): 0.000	0.000

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

-----

Name: G From Node: G\_up Length(ft): 115.00  
 Group: BASE To Node: G\_dn Count: 1  
 Friction Equation: Automatic  
 Solution Algorithm: Most Restrictive  
 Flow: Both  
 Entrance Loss Coef: 0.50  
 Exit Loss Coef: 0.50  
 Bend Loss Coef: 0.00  
 Outlet Ctrl Spec: Use dc or tw  
 Inlet Ctrl Spec: Use dc

UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular
Span(in): 18.00	18.00
Rise(in): 18.00	18.00
Invert(ft): 25.000	24.430
Manning's N: 0.040000	0.040000
Top Clip(in): 0.000	0.000

Bot Clip(in): 0.000                      0.000                      Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

```

-----
Name: H-I                      From Node: H                      Length(ft): 170.00
Group: BASE                      To Node: I                      Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
UPSTREAM                      DOWNSTREAM
Geometry: Circular              Circular
Span(in): 36.00                  36.00                      Entrance Loss Coef: 0.50
Rise(in): 36.00                  36.00                      Exit Loss Coef: 0.50
Invert(ft): 21.810              20.750                      Bend Loss Coef: 0.00
Manning's N: 0.013000          0.013000                  Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Stabilizer Option: None

```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

```

-----
Name: JB-Out                      From Node: JB                      Length(ft): 263.00
Group: BASE                      To Node: BNDRY_Off              Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
UPSTREAM                      DOWNSTREAM
Geometry: Circular              Circular
Span(in): 30.00                  30.00                      Entrance Loss Coef: 0.00
Rise(in): 30.00                  30.00                      Exit Loss Coef: 1.00
Invert(ft): 24.130              23.280                      Bend Loss Coef: 0.00
Manning's N: 0.013000          0.013000                  Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Stabilizer Option: None

```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

```

-----
Name: Pond C                      From Node: C_up                      Length(ft): 90.00
Group: BASE                      To Node: C_dn                      Count: 1
                                Friction Equation: Automatic
                                Solution Algorithm: Most Restrictive
                                Flow: Both
UPSTREAM                      DOWNSTREAM
Geometry: Circular              Circular
Span(in): 36.00                  36.00                      Entrance Loss Coef: 0.20
Rise(in): 36.00                  36.00                      Exit Loss Coef: 0.50
Invert(ft): 23.450              23.000                      Bend Loss Coef: 0.00
Manning's N: 0.013000          0.013000                  Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Stabilizer Option: None

```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

==== Channels =====

```

-----
Name: A-Out                      From Node: A_dn                      Length(ft): 615.00
Group: BASE                      To Node: X3                      Count: 1

```

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	19.600	18.000	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	1	0	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----  
 Name: A1                      From Node: A1                      Length(ft): 244.00  
 Group: BASE                      To Node: A\_up                      Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	20.000	20.110	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	A1	HWY 9 US	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----  
 Name: A2                      From Node: A2                      Length(ft): 375.00  
 Group: BASE                      To Node: A1                      Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	20.000	20.000	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	A2	A1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----  
 Name: A3                      From Node: A3                      Length(ft): 170.00  
 Group: BASE                      To Node: A2                      Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	20.100	20.000	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	A3	A2	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			

RtSdSlp(h/v):

```

-----
Name: B-A                      From Node: B_dn                Length(ft): 346.00
Group: BASE                    To Node: A_up                  Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Trapezoidal         Trapezoidal                   Solution Algorithm: Automatic
Invert(ft): 20.800            20.110                         Flow: Both
TClpInitZ(ft): 9999.000      9999.000                       Contraction Coef: 0.100
Manning's N: 0.035000        0.035000                       Expansion Coef: 0.300
Top Clip(ft): 0.000          0.000                           Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000          0.000                           Exit Loss Coef: 0.000
Main XSec:                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                 Inlet Ctrl Spec: Use dc
Aux XSec1:                     Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000          4.000
LtSdSlp(h/v): 2.00           2.00
RtSdSlp(h/v): 2.00           2.00
-----

```

```

-----
Name: C-B                      From Node: C_dn                Length(ft): 846.00
Group: BASE                    To Node: B_up                  Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Trapezoidal         Trapezoidal                   Solution Algorithm: Automatic
Invert(ft): 23.000            21.200                         Flow: Both
TClpInitZ(ft): 9999.000      9999.000                       Contraction Coef: 0.100
Manning's N: 0.035000        0.035000                       Expansion Coef: 0.300
Top Clip(ft): 0.000          0.000                           Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000          0.000                           Exit Loss Coef: 0.000
Main XSec:                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                 Inlet Ctrl Spec: Use dc
Aux XSec1:                     Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000          4.000
LtSdSlp(h/v): 2.00           2.00
RtSdSlp(h/v): 2.00           2.00
-----

```

```

-----
Name: D-E                      From Node: D                   Length(ft): 236.00
Group: BASE                    To Node: E                     Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Trapezoidal         Trapezoidal                   Solution Algorithm: Automatic
Invert(ft): 22.800            20.200                         Flow: Both
TClpInitZ(ft): 9999.000      9999.000                       Contraction Coef: 0.100
Manning's N: 0.035000        0.035000                       Expansion Coef: 0.300
Top Clip(ft): 0.000          0.000                           Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000          0.000                           Exit Loss Coef: 0.000
Main XSec:                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                 Inlet Ctrl Spec: Use dc
Aux XSec1:                     Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000          6.000
LtSdSlp(h/v): 2.00           2.00
RtSdSlp(h/v): 2.00           2.00
-----

```

```

-----
Name: E                        From Node: E                   Length(ft): 97.00
Group: BASE                    To Node: A3                    Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Irregular           Irregular                      Solution Algorithm: Automatic
Invert(ft): 20.200            20.100                         Flow: Both
TClpInitZ(ft): 9999.000      9999.000                       Contraction Coef: 0.100
Manning's N:                  Expansion Coef: 0.300
Top Clip(ft):                 Entrance Loss Coef: 0.000
Bot Clip(ft):                 Exit Loss Coef: 0.000
Main XSec: E                  A3                              Outlet Ctrl Spec: Use dc or tw
-----

```

AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
Aux XSec1: Stabilizer Option: None  
AuxElev2(ft): 0.000 0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

-----  
Name: E1 From Node: E1 Length(ft): 354.00  
Group: BASE To Node: E Count: 1  
  
UPSTREAM DOWNSTREAM Friction Equation: Automatic  
Geometry: Irregular Irregular Solution Algorithm: Automatic  
Invert(ft): 21.000 20.200 Flow: Both  
TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
Manning's N: Expansion Coef: 0.300  
Top Clip(ft): Entrance Loss Coef: 0.000  
Bot Clip(ft): Exit Loss Coef: 0.000  
Main XSec: E1 E Outlet Ctrl Spec: Use dc or tw  
AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
Aux XSec1: Stabilizer Option: None  
AuxElev2(ft): 0.000 0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

-----  
Name: E2 From Node: E2 Length(ft): 350.00  
Group: BASE To Node: E1 Count: 1  
  
UPSTREAM DOWNSTREAM Friction Equation: Automatic  
Geometry: Irregular Irregular Solution Algorithm: Automatic  
Invert(ft): 21.500 21.000 Flow: Both  
TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
Manning's N: Expansion Coef: 0.300  
Top Clip(ft): Entrance Loss Coef: 0.000  
Bot Clip(ft): Exit Loss Coef: 0.000  
Main XSec: E2 E1 Outlet Ctrl Spec: Use dc or tw  
AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
Aux XSec1: Stabilizer Option: None  
AuxElev2(ft): 0.000 0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

-----  
Name: E3 From Node: E3 Length(ft): 500.00  
Group: BASE To Node: E2 Count: 1  
  
UPSTREAM DOWNSTREAM Friction Equation: Automatic  
Geometry: Irregular Irregular Solution Algorithm: Automatic  
Invert(ft): 22.500 21.500 Flow: Both  
TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
Manning's N: Expansion Coef: 0.300  
Top Clip(ft): Entrance Loss Coef: 0.000  
Bot Clip(ft): Exit Loss Coef: 0.000  
Main XSec: E3 E2 Outlet Ctrl Spec: Use dc or tw  
AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
Aux XSec1: Stabilizer Option: None  
AuxElev2(ft): 0.000 0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

-----  
Name: E4 From Node: E4 Length(ft): 255.00  
Group: BASE To Node: E3 Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	23.000	22.500	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	E4	E3	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----

Name:	E5	From Node:	HWY57_S	Length(ft):	570.00
Group:	BASE	To Node:	E4	Count:	1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	24.200	23.000	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	HWY 57 S	E4	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----

Name:	F	From Node:	F	Length(ft):	103.00
Group:	BASE	To Node:	E	Count:	1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	19.070	20.200	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	F	E	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

-----

Name:	F1	From Node:	F1	Length(ft):	293.00
Group:	BASE	To Node:	F	Count:	1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	19.700	19.070	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	F1	F	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			



RtSdSlp(h/v):

```

-----
Name: G-F1          From Node: G_dn          Length(ft): 285.00
Group: BASE        To Node: F1              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal        Solution Algorithm: Automatic
Invert(ft): 24.430    22.740             Flow: Both
TClpInitZ(ft): 9999.000 9999.000          Contraction Coef: 0.100
Manning's N: 0.035000 0.035000          Expansion Coef: 0.300
Top Clip(ft): 0.000    0.000             Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000    0.000             Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000    4.000
LtSdSlp(h/v): 3.00     3.00
RtSdSlp(h/v): 3.00     3.00

```

```

-----
Name: I-J          From Node: I          Length(ft): 296.00
Group: BASE        To Node: J            Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal Irregular        Solution Algorithm: Automatic
Invert(ft): 20.750    22.500             Flow: Both
TClpInitZ(ft): 9999.000 9999.000          Contraction Coef: 0.100
Manning's N: 0.045000 0.045000          Expansion Coef: 0.300
Top Clip(ft): 0.000    0.000             Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000    0.000             Exit Loss Coef: 0.000
Main XSec:                               Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                               Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): J
Aux XSec2: 0.000
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000
LtSdSlp(h/v): 2.00
RtSdSlp(h/v): 2.00

```

```

-----
Name: J            From Node: J          Length(ft): 558.00
Group: BASE        To Node: F1          Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular  Irregular        Solution Algorithm: Automatic
Invert(ft): 22.500    19.700             Flow: Both
TClpInitZ(ft): 9999.000 9999.000          Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
Main XSec: J            F1            Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000             Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: J1           From Node: J1         Length(ft): 622.00
Group: BASE        To Node: J            Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular  Irregular        Solution Algorithm: Automatic
Invert(ft): 23.500    22.500             Flow: Both
TClpInitZ(ft): 9999.000 9999.000          Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
Main XSec: J1         J            Outlet Ctrl Spec: Use dc or tw

```

```
AuxElev1(ft): 0.000          0.000          Inlet Ctrl Spec: Use dc
  Aux XSec1:                      Stabilizer Option: None
AuxElev2(ft): 0.000          0.000
  Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
```

```
-----
Name: K                  From Node: K            Length(ft): 700.00
Group: BASE             To Node: J1            Count: 1

      UPSTREAM         DOWNSTREAM            Friction Equation: Automatic
  Geometry: Irregular    Irregular           Solution Algorithm: Automatic
  Invert(ft): 25.000     23.500              Flow: Both
TClpInitZ(ft): 9999.000  9999.000           Contraction Coef: 0.100
  Manning's N:                      Expansion Coef: 0.300
Top Clip(ft):             Entrance Loss Coef: 0.000
Bot Clip(ft):             Exit Loss Coef: 0.000
  Main XSec: K           J1                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000      0.000              Inlet Ctrl Spec: Use dc
  Aux XSec1:                      Stabilizer Option: None
AuxElev2(ft): 0.000      0.000
  Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
```

```
-----
Name: K1                 From Node: HWY57_N     Length(ft): 647.00
Group: BASE             To Node: K             Count: 1

      UPSTREAM         DOWNSTREAM            Friction Equation: Automatic
  Geometry: Irregular    Irregular           Solution Algorithm: Automatic
  Invert(ft): 25.500     25.000              Flow: Both
TClpInitZ(ft): 9999.000  9999.000           Contraction Coef: 0.100
  Manning's N:                      Expansion Coef: 0.300
Top Clip(ft):             Entrance Loss Coef: 0.000
Bot Clip(ft):             Exit Loss Coef: 0.000
  Main XSec: HWY 57 N    K                   Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000      0.000              Inlet Ctrl Spec: Use dc
  Aux XSec1:                      Stabilizer Option: None
AuxElev2(ft): 0.000      0.000
  Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
```

```
-----
Name: Out-X7            From Node: X3          Length(ft): 2057.00
Group: BASE             To Node: X7           Count: 1

      UPSTREAM         DOWNSTREAM            Friction Equation: Automatic
  Geometry: Irregular    Irregular           Solution Algorithm: Automatic
  Invert(ft): 18.000     17.000              Flow: Both
TClpInitZ(ft): 9999.000  9999.000           Contraction Coef: 0.100
  Manning's N:                      Expansion Coef: 0.300
Top Clip(ft):             Entrance Loss Coef: 0.000
Bot Clip(ft):             Exit Loss Coef: 0.000
  Main XSec: X4          X7                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000      0.000              Inlet Ctrl Spec: Use dc
  Aux XSec1:                      Stabilizer Option: None
AuxElev2(ft): 0.000      0.000
  Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
```

```
-----
Name: X2-Out            From Node: X2          Length(ft): 750.00
Group: BASE             To Node: X3           Count: 1
```

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft):	18.500	18.000	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:	0.045000	0.045000	Expansion Coef: 0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef: 0.000
Main XSec:			Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):			
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):	5.000	5.000	
LtSdSlp(h/v):	2.00	2.00	
RtSdSlp(h/v):	2.00	2.00	

-----  
Name: X7-X8                      From Node: X7                      Length(ft): 2100.00  
Group: BASE                      To Node: BNDRY                      Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft):	17.000	16.000	Flow: Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef: 0.100
Manning's N:			Expansion Coef: 0.300
Top Clip(ft):			Entrance Loss Coef: 0.000
Bot Clip(ft):			Exit Loss Coef: 0.000
Main XSec:	X7	X8	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:			Stabilizer Option: None
AuxElev2(ft):	0.000	0.000	
Aux XSec2:			
Top Width(ft):			
Depth(ft):			
Bot Width(ft):			
LtSdSlp(h/v):			
RtSdSlp(h/v):			

==== Drop Structures =====  
=====

Name: Pond A\_Out                      From Node: Pond A                      Length(ft): 295.00  
Group: BASE                      To Node: Pond C                      Count: 1

	UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry:	Circular	Circular	Solution Algorithm: Most Restrictive
Span(in):	48.00	48.00	Flow: Both
Rise(in):	48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft):	21.460	19.380	Exit Loss Coef: 1.000
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 18.00	Invert(ft): 25.100	
Rise(in): 16.80	Control Elev(ft): 25.100	

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 8.00	Invert(ft): 23.390	
Rise(in): 8.00	Control Elev(ft): 23.390	

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 164.00	Invert(ft): 26.500	
Rise(in): 99999.00	Control Elev(ft): 26.500	

Name: Pond B_Out1	From Node: Pond B	Length(ft): 115.00
Group: BASE	To Node: JB	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 32.76	Control Elev(ft): 24.620	

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 27.350	
Rise(in): 24.00	Control Elev(ft): 27.350	

Name: Pond B_Out2	From Node: Pond B	Length(ft): 224.00
Group: BASE	To Node: H	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 6.00	Control Elev(ft): 24.620	

Name: Pond C_Out	From Node: Pond C	Length(ft): 12.00
Group: BASE	To Node: F	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.550	
Rise(in): 26.00	Control Elev(ft): 23.550	

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 25.710	
Rise(in): 48.00	Control Elev(ft): 25.710	

Name: X5-X2	From Node: X5	Length(ft): 250.00
Group: BASE	To Node: X2	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.000	
Rise(in): 48.00	Control Elev(ft): 23.000	

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 6.00	Control Elev(ft): 22.000	

Name: X6-X7	From Node: X6	Length(ft): 100.00
Group: BASE	To Node: X7	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both

Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 48.00	Control Elev(ft): 22.000	

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 21.000	
Rise(in): 6.00	Control Elev(ft): 21.000	

==== Weirs =====

Name: A_Over	From Node: A_up
Group: BASE	To Node: A_dn
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 25.00	
Left Side Slope(h/v): 500.00	
Right Side Slope(h/v): 500.00	
Invert(ft): 27.800	
Control Elevation(ft): 27.800	
Struct Opening Dim(ft): 9999.00	

Bottom Clip(ft): 0.000	TABLE
Top Clip(ft): 0.000	
Weir Discharge Coef: 3.200	
Orifice Discharge Coef: 0.600	

Name: B_Over	From Node: B_up
Group: BASE	To Node: B_dn
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 50.00	
Left Side Slope(h/v): 100.00	
Right Side Slope(h/v): 50.00	
Invert(ft): 27.300	
Control Elevation(ft): 27.300	
Struct Opening Dim(ft): 9999.00	

Bottom Clip(ft): 0.000	TABLE
Top Clip(ft): 0.000	
Weir Discharge Coef: 3.200	
Orifice Discharge Coef: 0.600	

Name: C_Over	From Node: C_up
Group: BASE	To Node: C_dn
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 10.00	
Left Side Slope(h/v): 40.00	
Right Side Slope(h/v): 40.00	
Invert(ft): 27.000	

---

Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: G\_Over                      From Node: G\_up  
Group: BASE                      To Node: G\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread           Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: H\_Over                      From Node: H  
Group: BASE                      To Node: I  
Flow: Both                      Count: 1  
Type: Vertical: Fread           Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond B\_Over                From Node: Pond B  
Group: BASE                      To Node: H  
Flow: Both                      Count: 1  
Type: Vertical: Fread           Geometry: Trapezoidal  
  
Bottom Width(ft): 50.00  
Left Side Slope(h/v): 50.00  
Right Side Slope(h/v): 50.00  
Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond C\_Over                From Node: Pond C  
Group: BASE                      To Node: F  
Flow: Both                      Count: 1  
Type: Vertical: Fread           Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00  
TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

Name: Pond\_A\_Over            From Node: Pond A  
Group: BASE                    To Node: Pond C  
Flow: Both                     Count: 1  
Type: Vertical: Fread         Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 20.00  
Right Side Slope(h/v): 20.00  
    Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
=== Hydrology Simulations ===  
=====

Name: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\002-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\010-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 6.70

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\025-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 7.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\050-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\100-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)	Print Inc(min)
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48.000 5.00

Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\OCT-2015.R32

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs) Print Inc(min)  
-----  
120.000 5.00

Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs) Print Inc(min)  
-----  
48.000 5.00

==== Routing Simulations =====

Name: 002-yr Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\002-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year Boundary Flows: 002-year

Time(hrs) Print Inc(min)  
-----  
9999.000 15.000

Group Run  
-----  
BASE Yes

Name: 010-yr Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\010-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year Boundary Flows: 010-year

Time(hrs) Print Inc(min)  
-----  
9999.000 5.000

Group Run  
-----  
BASE Yes

Name: 025-yr Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\025-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000

Highway 9  
Alternative 2 - Input Report

---

Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                Boundary Flows: 025-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

---

Name: 050-yr                      Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\050-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year                Boundary Flows: 050-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

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Name: 100-yr                      Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\100-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year                Boundary Flows: 100-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

---

Name: OCT-2015                      Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\OCT-2015.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 144.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2015                Boundary Flows: OCT-2015

Time(hrs)            Print Inc(min)  
-----  
999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

Name: OCT-2016                      Hydrology Sim: OCT-2016  
 Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\OCT-2016.I32

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
 Time Step Optimizer: 10.000  
 Start Time(hrs): 0.000                      End Time(hrs): 72.00  
 Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
 Boundary Stages: OCT-2016                      Boundary Flows: OCT-2016

Time(hrs)                      Print Inc(min)  
 -----  
 999.000                      15.000

Group                      Run  
 -----  
 BASE                      Yes

=====  
 === Boundary Conditions ===  
 =====

Name: 010-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250

Highway 9  
Alternative 2 - Input Report

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14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740
18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760

Highway 9  
Alternative 2 - Input Report

---

36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280

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58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000

Highway 9  
Alternative 2 - Input Report

---

6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960

Highway 9  
Alternative 2 - Input Report

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28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910



50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

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Name: 050-year	Node: HWY57_N	Type: Flow
Time(hrs)	Flow(cfs)	
0.000	0.000	
0.250	0.000	
0.500	0.000	
0.750	0.000	
1.000	0.000	
1.250	0.000	
1.500	0.000	
1.750	0.000	
2.000	0.000	
2.250	0.000	
2.500	0.000	
2.750	0.000	
3.000	0.000	
3.250	0.000	
3.500	0.000	
3.750	0.000	
4.000	0.000	
4.250	0.000	
4.500	0.000	
4.750	0.000	
5.000	0.000	
5.250	0.000	
5.500	0.000	
5.750	0.000	
6.000	0.000	
6.250	0.000	
6.500	0.000	
6.750	0.000	
7.000	0.000	
7.250	0.000	
7.500	0.000	
7.750	0.000	
8.000	0.000	
8.250	0.000	
8.500	0.000	
8.750	0.000	
9.000	0.000	
9.250	0.000	
9.500	0.050	
9.750	0.310	
10.000	0.600	
10.250	1.160	
10.500	1.810	
10.750	2.450	
11.000	3.100	
11.250	3.870	
11.500	5.020	
11.750	7.400	
12.000	11.440	
12.250	21.320	
12.500	40.410	
12.750	44.330	
13.000	146.560	
13.250	178.090	
13.500	184.460	
13.750	190.130	
14.000	198.150	
14.250	208.830	
14.500	220.820	
14.750	232.880	
15.000	243.790	
15.250	252.500	
15.500	259.170	
15.750	263.740	
16.000	266.650	
16.250	268.470	
16.500	269.240	
16.750	268.940	
17.000	267.980	
17.250	266.190	
17.500	263.490	
17.750	260.110	
18.000	256.320	
18.250	252.470	
18.500	248.360	
18.750	243.940	
19.000	239.270	
19.250	234.740	
19.500	230.090	
19.750	225.460	
20.000	220.820	
20.250	216.230	

Highway 9  
Alternative 2 - Input Report

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20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050

Highway 9  
Alternative 2 - Input Report

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42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020

Highway 9  
 Alternative 2 - Input Report

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64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

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 Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)

-----

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540

12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570

34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370

Highway 9  
 Alternative 2 - Input Report

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56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

-----  
 Name: 010-year

Node: HWY57\_S

Type: Flow

Time(hrs)

Flow(cfs)

---

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000



Highway 9  
Alternative 2 - Input Report

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5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730

Highway 9  
Alternative 2 - Input Report

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27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110

Highway 9  
Alternative 2 - Input Report

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49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750

Highway 9  
 Alternative 2 - Input Report

71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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 Name: 025-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980
14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260

Highway 9  
Alternative 2 - Input Report

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19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750

41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430

Highway 9  
Alternative 2 - Input Report

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63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

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Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270

Highway 9  
Alternative 2 - Input Report

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11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940



Highway 9  
Alternative 2 - Input Report

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33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610

Highway 9  
 Alternative 2 - Input Report

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55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

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 Name: 100-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000

Highway 9  
Alternative 2 - Input Report

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3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290
7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680

Highway 9  
Alternative 2 - Input Report

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25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270

Highway 9  
Alternative 2 - Input Report

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47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780

Highway 9  
 Alternative 2 - Input Report

69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

-----  
 Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980

Highway 9  
Alternative 2 - Input Report

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17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730

39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880



Highway 9  
 Alternative 2 - Input Report

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61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

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 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440

Highway 9  
Alternative 2 - Input Report

---

10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400

32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730

Highway 9  
Alternative 2 - Input Report

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54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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Name: OCT-2016

Node: HWY57\_N

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000

Highway 9  
Alternative 2 - Input Report

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2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540

Highway 9  
Alternative 2 - Input Report

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24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460

46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950

Highway 9  
Alternative 2 - Input Report

68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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Name: OCT-2016                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640
6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780
10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550
11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630



Highway 9  
Alternative 2 - Input Report

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16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840
18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640

Highway 9  
Alternative 2 - Input Report

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38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740

Highway 9  
Alternative 2 - Input Report

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60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
-----	
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000

Highway 9  
Alternative 2 - Input Report

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8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900

Highway 9  
Alternative 2 - Input Report

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30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680

Highway 9  
Alternative 2 - Input Report

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52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510

Highway 9  
Alternative 2 - Input Report

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74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830

Highway 9  
Alternative 2 - Input Report

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96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480



118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600

Highway 9  
 Alternative 2 - Input Report

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140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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 Name: OCT-2015                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000

Highway 9  
Alternative 2 - Input Report

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17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450

Highway 9  
Alternative 2 - Input Report

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39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240

Highway 9  
Alternative 2 - Input Report

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61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380

Highway 9  
Alternative 2 - Input Report

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83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520

Highway 9  
Alternative 2 - Input Report

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105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280

Highway 9  
 Alternative 2 - Input Report

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127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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 Name: 002-year

Node: BNDRY

Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000



Highway 9  
Alternative 2 - Input Report

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3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001
7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048
10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105
14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745
19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296

25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270

47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093

Highway 9  
 Alternative 2 - Input Report

69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

-----  
 Name: 010-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)  
 -----

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277

Highway 9  
Alternative 2 - Input Report

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17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621

Highway 9  
Alternative 2 - Input Report

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39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248

Highway 9  
 Alternative 2 - Input Report

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61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

-----  
 Name: 025-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276

Highway 9  
Alternative 2 - Input Report

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9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197



31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352

Highway 9  
 Alternative 2 - Input Report

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53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

-----  
 Name: 050-year

Node: BNDRY

Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000

Highway 9  
Alternative 2 - Input Report

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2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254

24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456

Highway 9  
Alternative 2 - Input Report

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46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260

Highway 9  
 Alternative 2 - Input Report

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68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

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 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102

Highway 9  
Alternative 2 - Input Report

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16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819

Highway 9  
Alternative 2 - Input Report

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38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309



Highway 9  
 Alternative 2 - Input Report

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60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000

Highway 9  
Alternative 2 - Input Report

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8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000
12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304

30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282

Highway 9  
Alternative 2 - Input Report

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52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749

74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168

Highway 9  
Alternative 2 - Input Report

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96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206

118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397

Highway 9  
 Alternative 2 - Input Report

---

140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

-----  
 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)  
 -----

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616
6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873
11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623
12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341



16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309
18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948

Highway 9  
Alternative 2 - Input Report

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38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660

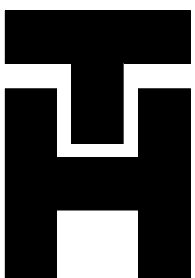
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485
64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386

**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 2A**

**J – 26146.0000**

Prepared by:



**THOMAS & HUTTON**

Savannah, GA | Charleston, SC | Myrtle Beach, SC | Brunswick, GA | Wilmington, NC

=====  
==== Basins =====  
=====

Name: A                               Node: A\_up                               Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000                            Time of Conc(min): 28.00  
          Area(ac): 13.040                            Time Shift(hrs): 0.00  
  Curve Number: 78.80                                Max Allowable Q(cfs): 999999.000  
          DCIA(%): 0.00

-----  
Name: B                               Node: B\_up                               Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000                            Time of Conc(min): 50.00  
          Area(ac): 12.560                            Time Shift(hrs): 0.00  
  Curve Number: 85.90                                Max Allowable Q(cfs): 999999.000  
          DCIA(%): 0.00

-----  
Name: C                               Node: C\_up                               Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000                            Time of Conc(min): 72.00  
          Area(ac): 24.120                            Time Shift(hrs): 0.00  
  Curve Number: 80.60                                Max Allowable Q(cfs): 999999.000  
          DCIA(%): 0.00

-----  
Name: D                               Node: D                                   Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000                            Time of Conc(min): 28.00  
          Area(ac): 22.090                            Time Shift(hrs): 0.00  
  Curve Number: 91.60                                Max Allowable Q(cfs): 999999.000  
          DCIA(%): 0.00

-----  
Name: E                               Node: E                                   Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000                            Time of Conc(min): 57.00  
          Area(ac): 40.070                            Time Shift(hrs): 0.00  
  Curve Number: 84.80                                Max Allowable Q(cfs): 999999.000  
          DCIA(%): 0.00

-----  
Name: F                               Node: F                                   Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000                            Time of Conc(min): 43.00  
          Area(ac): 10.150                            Time Shift(hrs): 0.00  
  Curve Number: 76.80                                Max Allowable Q(cfs): 999999.000  
          DCIA(%): 0.00

-----  
Name: G                               Node: G\_up                               Status: Onsite  
Group: BASE                            Type: SCS Unit Hydrograph CN  
  
Unit Hydrograph: Uh323                                Peaking Factor: 323.0  
  Rainfall File: Scsiii                               Storm Duration(hrs): 24.00

---

Rainfall Amount(in): 0.000	Time of Conc(min): 25.00
Area(ac): 3.210	Time Shift(hrs): 0.00
Curve Number: 83.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

---

Name: H	Node: H	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 54.00	
Area(ac): 8.140	Time Shift(hrs): 0.00	
Curve Number: 82.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: I	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 69.00	
Area(ac): 8.230	Time Shift(hrs): 0.00	
Curve Number: 78.70	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: J	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 45.00	
Area(ac): 12.030	Time Shift(hrs): 0.00	
Curve Number: 77.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: K	Node: K	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 31.00	
Area(ac): 27.010	Time Shift(hrs): 0.00	
Curve Number: 77.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond A	Node: Pond A	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 29.00	
Area(ac): 9.570	Time Shift(hrs): 0.00	
Curve Number: 83.40	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond B	Node: Pond B	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 22.00	
Area(ac): 16.260	Time Shift(hrs): 0.00	
Curve Number: 82.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond C	Node: Pond C	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 35.00  
Area(ac): 10.020 Time Shift(hrs): 0.00  
Curve Number: 80.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X1 Node: A\_dn Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 45.00  
Area(ac): 5.940 Time Shift(hrs): 0.00  
Curve Number: 89.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X2 Node: X2 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 11.470 Time Shift(hrs): 0.00  
Curve Number: 88.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X3 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 13.300 Time Shift(hrs): 0.00  
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X4 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 53.00  
Area(ac): 66.070 Time Shift(hrs): 0.00  
Curve Number: 88.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X5 Node: X5 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 9.00  
Area(ac): 10.610 Time Shift(hrs): 0.00  
Curve Number: 77.50 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X6 Node: X6 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00  
Area(ac): 21.360 Time Shift(hrs): 0.00  
Curve Number: 79.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: B_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 20.800
Group: BASE                   Warn Stage(ft): 24.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----



-----  
 Name: B\_up                      Base Flow(cfs): 0.000              Init Stage(ft): 21.200  
 Group: BASE                      Warn Stage(ft): 24.200  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: BNDRY                      Base Flow(cfs): 0.000              Init Stage(ft): 16.000  
 Group: BASE                      Warn Stage(ft): 23.000  
 Type: Time/Stage

-----  
 Time(hrs)              Stage(ft)  
 -----  
 0.00                      16.000  
 999.00                      16.000

-----  
 Name: BNDRY\_Off                      Base Flow(cfs): 0.000              Init Stage(ft): 23.280  
 Group: BASE                      Warn Stage(ft): 27.210  
 Type: Time/Stage

-----  
 Time(hrs)              Stage(ft)  
 -----  
 0.00                      23.280  
 999.00                      23.280

-----  
 Name: C\_dn                      Base Flow(cfs): 0.000              Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: C\_up                      Base Flow(cfs): 0.000              Init Stage(ft): 23.450  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 23.450                      0.0000  
 27.000                      2.0000

-----  
 Name: D                      Base Flow(cfs): 0.000              Init Stage(ft): 22.800  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: E                      Base Flow(cfs): 0.000              Init Stage(ft): 20.200  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 20.200                      0.0000  
 27.000                      0.0100

-----  
 Name: E1                      Base Flow(cfs): 0.000              Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

Name: E2                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
 Group: BASE                      Warn Stage(ft): 30.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E3                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.500  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E4                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.070  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F1                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.700  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: G\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.430  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     24.430                      0.0000  
     27.000                      0.0100

Name: G\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.000  
 Group: BASE                      Warn Stage(ft): 27.660  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     25.000                      0.0000  
     28.000                      0.0100

Name: H                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.810  
 Group: BASE                      Warn Stage(ft): 27.590  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     21.810                      0.0010  
     27.590                      0.0010

Highway 9  
Alternative 2A - Input Report

---

Name: HWY57\_N            Base Flow(cfs): 0.000            Init Stage(ft): 25.760  
Group: BASE                                  Warn Stage(ft): 32.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: HWY57\_S            Base Flow(cfs): 0.000            Init Stage(ft): 24.200  
Group: BASE                                  Warn Stage(ft): 32.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: I                    Base Flow(cfs): 0.000            Init Stage(ft): 20.750  
Group: BASE                                  Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: J                    Base Flow(cfs): 0.000            Init Stage(ft): 22.500  
Group: BASE                                  Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: J1                   Base Flow(cfs): 0.000            Init Stage(ft): 23.500  
Group: BASE                                  Warn Stage(ft): 29.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: JB                   Base Flow(cfs): 0.000            Init Stage(ft): 24.130  
Group: BASE                                  Warn Stage(ft): 27.210  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: K                    Base Flow(cfs): 0.000            Init Stage(ft): 25.000  
Group: BASE                                  Warn Stage(ft): 30.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: Pond A              Base Flow(cfs): 0.000            Init Stage(ft): 23.550  
Group: BASE                                  Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----  
23.390               0.4100  
27.000               0.8000

---

Name: Pond B              Base Flow(cfs): 0.000            Init Stage(ft): 24.620  
Group: BASE                                  Warn Stage(ft): 29.000  
Type: Stage/Area

```
-----
Stage(ft)      Area(ac)
-----
      24.620      1.8100
      29.000      2.0000
```

```
-----
Name: Pond C          Base Flow(cfs): 0.000      Init Stage(ft): 23.550
Group: BASE          Warn Stage(ft): 28.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
      23.550      0.4000
      28.000      0.4500
```

```
-----
Name: X2             Base Flow(cfs): 0.000      Init Stage(ft): 18.500
Group: BASE          Warn Stage(ft): 25.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
```

```
-----
Name: X3             Base Flow(cfs): 0.000      Init Stage(ft): 18.000
Group: BASE          Warn Stage(ft): 25.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
```

```
-----
Name: X5             Base Flow(cfs): 0.000      Init Stage(ft): 22.000
Group: BASE          Warn Stage(ft): 25.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
      22.000      1.0500
      25.000      1.9000
```

```
-----
Name: X6             Base Flow(cfs): 0.000      Init Stage(ft): 21.000
Group: BASE          Warn Stage(ft): 23.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
      21.000      3.9800
      23.000      5.5000
```

```
-----
Name: X7             Base Flow(cfs): 0.000      Init Stage(ft): 17.000
Group: BASE          Warn Stage(ft): 23.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
```

```
=====
=== Cross Sections =====
=====
```

```
Name: 0              Group: BASE
Encroachment: No
```

```
-----
Station(ft)      Elevation(ft)      Manning's N
-----
      0.000      27.968      0.045000
      4.989      27.848      0.045000
      9.978      27.742      0.045000
     14.967      27.664      0.045000
     19.956      27.618      0.045000
     24.946      27.546      0.045000
```

Highway 9  
Alternative 2A - Input Report

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29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000
354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
453.732	23.670	0.045000
458.681	23.644	0.045000
463.577	23.500	0.045000

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466.686	19.000	0.045000
471.453	18.000	0.045000
476.327	19.100	0.045000
481.835	22.600	0.045000
488.379	22.690	0.045000
493.328	22.970	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000
807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

---

Name: 1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.000	0.045000
4.961	27.006	0.045000
9.921	27.011	0.045000
14.882	27.008	0.045000
19.843	26.959	0.045000
24.803	26.958	0.045000
29.764	27.000	0.045000
34.724	26.934	0.045000
39.685	26.907	0.045000
44.646	26.950	0.045000
49.606	27.033	0.045000
54.567	27.095	0.045000
59.528	27.209	0.045000
64.488	27.206	0.045000
69.449	27.213	0.045000
74.410	27.235	0.045000
79.370	27.256	0.045000
84.331	27.274	0.045000
89.291	27.096	0.045000
94.252	27.070	0.045000
99.213	27.061	0.045000
104.173	26.978	0.045000
109.134	26.854	0.045000
114.095	26.816	0.045000
119.055	26.779	0.045000
124.016	26.741	0.045000
128.976	26.684	0.045000
133.937	26.613	0.045000
138.898	26.499	0.045000
143.858	26.143	0.045000
148.819	25.691	0.045000
153.780	25.636	0.045000
158.740	25.648	0.045000
163.701	25.772	0.045000
168.662	25.530	0.045000
170.000	25.300	0.045000
176.241	22.300	0.045000
181.606	18.900	0.045000
185.124	18.200	0.045000
189.879	19.300	0.045000
197.158	24.900	0.045000
201.666	25.800	0.045000
205.529	25.886	0.045000
210.137	25.749	0.045000
214.746	25.684	0.045000
219.724	25.471	0.045000
224.702	25.334	0.045000
229.680	25.320	0.045000
234.658	25.304	0.045000
239.636	25.435	0.045000
244.614	25.418	0.045000
249.592	25.470	0.045000
254.571	25.500	0.045000
259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000
329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000

Highway 9  
Alternative 2A - Input Report

398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

Name: A1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000
291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000



370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000

Name: A2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000

19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000
44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000

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447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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Name: A3 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000
109.531	23.779	0.045000
114.432	25.375	0.045000
119.333	26.454	0.045000
124.234	27.037	0.045000
129.135	27.468	0.045000
134.036	27.733	0.045000
138.936	27.814	0.045000
143.837	27.884	0.045000
148.738	28.063	0.045000
153.639	28.120	0.045000
158.540	28.243	0.045000
163.441	28.315	0.045000
168.341	28.228	0.045000
173.242	28.248	0.045000
176.925	28.277	0.045000

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Name: E Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	46.837	0.045000
4.945	47.344	0.045000
9.890	49.574	0.045000
14.835	47.989	0.045000
19.780	43.436	0.045000
24.725	38.399	0.045000
29.670	33.765	0.045000

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34.615	31.163	0.045000
39.560	29.728	0.045000
44.504	28.299	0.045000
49.449	27.202	0.045000
54.394	26.965	0.045000
59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: E1 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000

Highway 9  
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218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000
243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

Name: E2  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000
87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000
156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000

224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000
249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000

138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000
163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

Name: E4  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000



387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000
412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000



356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000
380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

Name: F1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000
69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000

208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000
233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000

636.840            29.030            0.045000

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 Name: HWY 57 N                            Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000
246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000





29.423	28.118	0.045000
34.327	27.988	0.045000
39.231	27.856	0.045000
44.135	28.056	0.045000
49.039	28.329	0.045000
53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000



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457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000
481.687	28.900	0.045000
486.594	28.850	0.045000
491.501	28.858	0.045000
496.408	28.871	0.045000

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Name: J1  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.299	0.045000
4.997	29.237	0.045000
9.995	29.271	0.045000
14.992	29.289	0.045000
19.989	29.289	0.045000
24.987	29.297	0.045000
29.984	29.224	0.045000
34.981	29.244	0.045000
39.979	29.223	0.045000
44.976	29.127	0.045000
49.973	29.000	0.045000
54.971	29.100	0.045000
59.968	29.218	0.045000
64.965	29.288	0.045000
69.963	29.354	0.045000
74.960	29.317	0.045000
79.957	29.182	0.045000
84.955	29.174	0.045000
89.952	29.307	0.045000
94.949	29.101	0.045000
99.947	28.984	0.045000
104.944	28.942	0.045000
109.941	28.963	0.045000
114.939	28.967	0.045000
119.936	28.782	0.045000
124.933	28.631	0.045000
129.931	28.796	0.045000
134.928	28.943	0.045000
139.925	28.929	0.045000
144.923	28.865	0.045000
149.920	28.922	0.045000
154.912	28.884	0.045000
159.903	28.805	0.045000
164.895	28.854	0.045000
169.886	28.746	0.045000
174.878	28.696	0.045000
179.870	28.726	0.045000
184.861	28.740	0.045000
189.853	28.727	0.045000
194.844	28.611	0.045000
199.836	28.460	0.045000
204.828	28.243	0.045000
209.819	28.210	0.045000
214.811	28.450	0.045000
219.802	28.627	0.045000
224.794	28.493	0.045000
229.785	28.451	0.045000
234.777	28.479	0.045000
239.769	28.538	0.045000
244.760	28.674	0.045000
249.752	28.605	0.045000
254.743	28.529	0.045000
259.735	28.622	0.045000
264.727	28.580	0.045000
269.718	28.583	0.045000
274.710	28.489	0.045000
279.701	28.668	0.045000
284.693	28.713	0.045000
289.685	28.544	0.045000
294.676	28.531	0.045000
299.668	28.538	0.045000
304.659	28.695	0.045000
309.651	28.900	0.045000
314.643	28.920	0.045000
319.634	28.912	0.045000
324.626	28.790	0.045000
329.617	28.792	0.045000
334.609	28.740	0.045000
339.601	28.532	0.045000
344.592	28.316	0.045000

349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000
374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000

Highway 9  
 Alternative 2A - Input Report

781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000
806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

Name: K  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000
208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000
277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000

346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000
371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000

809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000
833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000

14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000
39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000
312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000

451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000
475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000

Highway 9  
 Alternative 2A - Input Report

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886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000
910.950	25.006	0.045000
915.861	25.052	0.045000
920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

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 Name: X7  
 Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000
34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000
103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000



171.702	26.100	0.045000
176.700	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000
196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000

606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000
631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

Name: X8  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000

122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000
146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000

556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000
581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000

990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000
1015.620	23.703	0.045000
1020.552	23.845	0.045000
1025.484	23.977	0.045000
1030.415	24.007	0.045000
1035.347	24.119	0.045000
1040.279	23.926	0.045000
1045.211	23.762	0.045000
1050.142	23.673	0.045000
1055.074	23.493	0.045000

=====  
 Operating Tables  
 =====

Name: Group: BASE  
 Type: Rating Curve  
 Function: Head vs. Discharge

Head(ft) Discharge(cfs)  
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=====  
 Pipes  
 =====

Name: A	From Node: A_up	Length(ft): 134.00
Group: BASE	To Node: A_dn	Count: 2
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Rectangular	Rectangular	Exit Loss Coef: 0.50
Span(in): 72.00	72.00	Bend Loss Coef: 0.00
Rise(in): 72.00	72.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 20.110	19.600	Inlet Ctrl Spec: Use dc
Manning's N: 0.040000	0.040000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Name: A_1	From Node: A_up	Length(ft): 134.00
Group: BASE	To Node: A_dn	Count: 2
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 0.50
Span(in): 54.00	54.00	Bend Loss Coef: 0.00
Rise(in): 54.00	54.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 20.500	20.000	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: B	From Node: B_up	Length(ft): 55.00
Group: BASE	To Node: B_dn	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.20
Geometry: Circular	Circular	Exit Loss Coef: 0.50
Span(in): 36.00	36.00	Bend Loss Coef: 0.00
Rise(in): 36.00	36.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 21.200	21.000	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	
Top Clip(in): 0.000	0.000	

Bot Clip(in): 0.000                      0.000                      Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

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-----
Name: G                               From Node: G_up           Length(ft): 115.00
Group: BASE                           To Node: G_dn           Count: 1
                                     Friction Equation: Automatic
                                     Solution Algorithm: Most Restrictive
                                     Flow: Both
UPSTREAM                               DOWNSTREAM
Geometry: Circular                    Circular
Span(in): 18.00                       18.00
Rise(in): 18.00                       18.00
Invert(ft): 25.000                    24.430
Manning's N: 0.040000                 0.040000
Top Clip(in): 0.000                   0.000
Bot Clip(in): 0.000                   0.000
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

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-----
Name: H-I                              From Node: H             Length(ft): 170.00
Group: BASE                            To Node: I              Count: 1
                                     Friction Equation: Automatic
                                     Solution Algorithm: Most Restrictive
                                     Flow: Both
UPSTREAM                               DOWNSTREAM
Geometry: Circular                    Circular
Span(in): 36.00                       36.00
Rise(in): 36.00                       36.00
Invert(ft): 21.810                    20.750
Manning's N: 0.013000                 0.013000
Top Clip(in): 0.000                   0.000
Bot Clip(in): 0.000                   0.000
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: JB-Out                           From Node: JB            Length(ft): 263.00
Group: BASE                            To Node: BNDRY_Off     Count: 1
                                     Friction Equation: Automatic
                                     Solution Algorithm: Most Restrictive
                                     Flow: Both
UPSTREAM                               DOWNSTREAM
Geometry: Circular                    Circular
Span(in): 30.00                       30.00
Rise(in): 30.00                       30.00
Invert(ft): 24.130                    23.280
Manning's N: 0.013000                 0.013000
Top Clip(in): 0.000                   0.000
Bot Clip(in): 0.000                   0.000
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: Pond C                           From Node: C_up         Length(ft): 90.00
Group: BASE                            To Node: C_dn         Count: 1
                                     Friction Equation: Automatic
                                     Solution Algorithm: Most Restrictive
                                     Flow: Both
UPSTREAM                               DOWNSTREAM
Geometry: Circular                    Circular
Span(in): 36.00                       36.00
Entrance Loss Coef: 0.20
  
```

Rise(in): 36.00	36.00	Exit Loss Coef: 0.50
Invert(ft): 23.450	23.000	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

=====  
 Channels  
 =====

Name: A-Out	From Node: A_dn	Length(ft): 615.00
Group: BASE	To Node: X3	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.600	18.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: 1	0	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: A1	From Node: A1	Length(ft): 244.00
Group: BASE	To Node: A_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A1	HWY 9 US	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: A2	From Node: A2	Length(ft): 375.00
Group: BASE	To Node: A1	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A2	A1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

```

-----
Name: A3                      From Node: A3          Length(ft): 170.00
Group: BASE                   To Node: A2          Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 20.100           20.000
TClpInitZ(ft): 9999.000     9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: A3                A2
AuxElev1(ft): 0.000         0.000
Aux XSec1:
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: B-A                      From Node: B_dn       Length(ft): 346.00
Group: BASE                   To Node: A_up        Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 20.800          20.110
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.035000       0.035000
Top Clip(ft): 0.000         0.000
Bot Clip(ft): 0.000         0.000
Main XSec:
AuxElev1(ft):
Aux XSec1:
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000         4.000
LtSdSlp(h/v): 2.00          2.00
RtSdSlp(h/v): 2.00          2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: C-B                      From Node: C_dn       Length(ft): 846.00
Group: BASE                   To Node: B_up        Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 23.000          21.200
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.035000       0.035000
Top Clip(ft): 0.000         0.000
Bot Clip(ft): 0.000         0.000
Main XSec:
AuxElev1(ft):
Aux XSec1:
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000         4.000
LtSdSlp(h/v): 2.00          2.00
RtSdSlp(h/v): 2.00          2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: D-E                      From Node: D          Length(ft): 236.00
Group: BASE                   To Node: E           Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 22.800          20.200
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.035000       0.035000
Top Clip(ft): 0.000         0.000
Bot Clip(ft): 0.000         0.000
Main XSec:
AuxElev1(ft):
Aux XSec1:
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000         4.000
LtSdSlp(h/v): 2.00          2.00
RtSdSlp(h/v): 2.00          2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc

```



Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft):  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft): 6.000 6.000  
 LtSdSlp(h/v): 2.00 2.00  
 RtSdSlp(h/v): 2.00 2.00

Name: E From Node: E Length(ft): 97.00  
 Group: BASE To Node: A3 Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 20.200 20.100 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E A3 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: E1 From Node: E1 Length(ft): 354.00  
 Group: BASE To Node: E Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 21.000 20.200 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E1 E Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: E2 From Node: E2 Length(ft): 350.00  
 Group: BASE To Node: E1 Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 21.500 21.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: E2 E1 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: E3 From Node: E3 Length(ft): 500.00  
 Group: BASE To Node: E2 Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic

```

      Geometry: Irregular      Irregular      Solution Algorithm: Automatic
      Invert(ft): 22.500      21.500      Flow: Both
      TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
      Manning's N:      Expansion Coef: 0.300
      Top Clip(ft):      Entrance Loss Coef: 0.000
      Bot Clip(ft):      Exit Loss Coef: 0.000
      Main XSec: E3      E2      Outlet Ctrl Spec: Use dc or tw
      AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
      Aux XSec1:      Stabilizer Option: None
      AuxElev2(ft): 0.000    0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):
  
```

```

-----
      Name: E4      From Node: E4      Length(ft): 255.00
      Group: BASE      To Node: E3      Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
      Geometry: Irregular      Irregular      Solution Algorithm: Automatic
      Invert(ft): 23.000      22.500      Flow: Both
      TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
      Manning's N:      Expansion Coef: 0.300
      Top Clip(ft):      Entrance Loss Coef: 0.000
      Bot Clip(ft):      Exit Loss Coef: 0.000
      Main XSec: E4      E3      Outlet Ctrl Spec: Use dc or tw
      AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
      Aux XSec1:      Stabilizer Option: None
      AuxElev2(ft): 0.000    0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):
  
```

```

-----
      Name: E5      From Node: HWY57_S      Length(ft): 570.00
      Group: BASE      To Node: E4      Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
      Geometry: Irregular      Irregular      Solution Algorithm: Automatic
      Invert(ft): 24.200      23.000      Flow: Both
      TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
      Manning's N:      Expansion Coef: 0.300
      Top Clip(ft):      Entrance Loss Coef: 0.000
      Bot Clip(ft):      Exit Loss Coef: 0.000
      Main XSec: HWY 57 S      E4      Outlet Ctrl Spec: Use dc or tw
      AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
      Aux XSec1:      Stabilizer Option: None
      AuxElev2(ft): 0.000    0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):
  
```

```

-----
      Name: F      From Node: F      Length(ft): 103.00
      Group: BASE      To Node: E      Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
      Geometry: Irregular      Irregular      Solution Algorithm: Automatic
      Invert(ft): 19.070      20.200      Flow: Both
      TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
      Manning's N:      Expansion Coef: 0.300
      Top Clip(ft):      Entrance Loss Coef: 0.000
      Bot Clip(ft):      Exit Loss Coef: 0.000
      Main XSec: F      E      Outlet Ctrl Spec: Use dc or tw
      AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
      Aux XSec1:      Stabilizer Option: None
      AuxElev2(ft): 0.000    0.000
      Aux XSec2:
      Top Width(ft):
      Depth(ft):
      Bot Width(ft):
      LtSdSlp(h/v):
      RtSdSlp(h/v):
  
```

```

-----
Name: F1                      From Node: F1                Length(ft): 293.00
Group: BASE                    To Node: F                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 19.700           19.070
TClpInitZ(ft): 9999.000     9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: F1                F
AuxElev1(ft): 0.000         0.000
Aux XSec1:
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: G-F1                     From Node: G_dn             Length(ft): 285.00
Group: BASE                    To Node: F1                Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 24.430          22.740
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.035000       0.035000
Top Clip(ft): 0.000         0.000
Bot Clip(ft): 0.000         0.000
Main XSec:
AuxElev1(ft):
Aux XSec1:
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000         4.000
LtSdSlp(h/v): 3.00          3.00
RtSdSlp(h/v): 3.00          3.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: I-J                      From Node: I                Length(ft): 296.00
Group: BASE                    To Node: J                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Irregular
Invert(ft): 20.750          22.500
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.045000
Top Clip(ft): 0.000
Bot Clip(ft): 0.000
Main XSec: J
AuxElev1(ft): 0.000
Aux XSec1:
AuxElev2(ft): 0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000
LtSdSlp(h/v): 2.00
RtSdSlp(h/v): 2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: J                        From Node: J                Length(ft): 558.00
Group: BASE                    To Node: F1                Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 22.500          19.700
TClpInitZ(ft): 9999.000     9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: J                F1
AuxElev1(ft): 0.000         0.000

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc

```

Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: J1                      From Node: J1                      Length(ft): 622.00  
 Group: BASE                      To Node: J                      Count: 1  
  
                     UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic  
 Geometry: Irregular                      Irregular                      Solution Algorithm: Automatic  
 Invert(ft): 23.500                      22.500                      Flow: Both  
 TClpInitZ(ft): 9999.000                      9999.000                      Contraction Coef: 0.100  
 Manning's N:                      Expansion Coef: 0.300  
 Top Clip(ft):                      Entrance Loss Coef: 0.000  
 Bot Clip(ft):                      Exit Loss Coef: 0.000  
 Main XSec: J1                      J                      Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
 Aux XSec1:                      Stabilizer Option: None  
 AuxElev2(ft): 0.000                      0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: K                      From Node: K                      Length(ft): 700.00  
 Group: BASE                      To Node: J1                      Count: 1  
  
                     UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic  
 Geometry: Irregular                      Irregular                      Solution Algorithm: Automatic  
 Invert(ft): 25.000                      23.500                      Flow: Both  
 TClpInitZ(ft): 9999.000                      9999.000                      Contraction Coef: 0.100  
 Manning's N:                      Expansion Coef: 0.300  
 Top Clip(ft):                      Entrance Loss Coef: 0.000  
 Bot Clip(ft):                      Exit Loss Coef: 0.000  
 Main XSec: K                      J1                      Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
 Aux XSec1:                      Stabilizer Option: None  
 AuxElev2(ft): 0.000                      0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: K1                      From Node: HWY57\_N                      Length(ft): 647.00  
 Group: BASE                      To Node: K                      Count: 1  
  
                     UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic  
 Geometry: Irregular                      Irregular                      Solution Algorithm: Automatic  
 Invert(ft): 25.500                      25.000                      Flow: Both  
 TClpInitZ(ft): 9999.000                      9999.000                      Contraction Coef: 0.100  
 Manning's N:                      Expansion Coef: 0.300  
 Top Clip(ft):                      Entrance Loss Coef: 0.000  
 Bot Clip(ft):                      Exit Loss Coef: 0.000  
 Main XSec: HWY 57 N                      K                      Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
 Aux XSec1:                      Stabilizer Option: None  
 AuxElev2(ft): 0.000                      0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: Out-X7                      From Node: X3                      Length(ft): 2057.00  
 Group: BASE                      To Node: X7                      Count: 1  
  
                     UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic

```

Geometry: Irregular      Irregular      Solution Algorithm: Automatic
Invert(ft): 18.000      17.000          Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):          Entrance Loss Coef: 0.000
Bot Clip(ft):          Exit Loss Coef: 0.000
Main XSec: X4          X7              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:              Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: X2-Out           From Node: X2      Length(ft): 750.00
Group: BASE           To Node: X3        Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Trapezoidal Trapezoidal      Solution Algorithm: Automatic
Invert(ft): 18.500    18.000          Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N: 0.045000 0.045000      Expansion Coef: 0.300
Top Clip(ft): 0.000    0.000          Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000    0.000          Exit Loss Coef: 0.000
Main XSec:           Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):        Inlet Ctrl Spec: Use dc
Aux XSec1:           Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 5.000    5.000
LtSdSlp(h/v): 2.00    2.00
RtSdSlp(h/v): 2.00    2.00

```

```

-----
Name: X7-X8           From Node: X7      Length(ft): 2100.00
Group: BASE           To Node: BNDRY    Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Irregular    Irregular          Solution Algorithm: Automatic
Invert(ft): 17.000    16.000          Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):          Entrance Loss Coef: 0.000
Bot Clip(ft):          Exit Loss Coef: 0.000
Main XSec: X7          X8              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:           Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

==== Drop Structures =====

```

Name: Pond A_Out      From Node: Pond A  Length(ft): 295.00
Group: BASE           To Node: Pond C   Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Circular     Circular          Solution Algorithm: Most Restrictive
Span(in): 48.00        48.00           Flow: Both
Rise(in): 48.00        48.00           Entrance Loss Coef: 0.200
Invert(ft): 21.460     19.380          Exit Loss Coef: 1.000
Manning's N: 0.013000 0.013000      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000    0.000          Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000    0.000          Solution Incs: 10

```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 18.00 Invert(ft): 25.100  
 Rise(in): 16.80 Control Elev(ft): 25.100

TABLE

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Circular Orifice Disc Coef: 0.600  
 Span(in): 8.00 Invert(ft): 23.390  
 Rise(in): 8.00 Control Elev(ft): 23.390

TABLE

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 164.00 Invert(ft): 26.500  
 Rise(in): 99999.00 Control Elev(ft): 26.500

TABLE

Name: Pond B\_Out1 From Node: Pond B Length(ft): 115.00  
 Group: BASE To Node: JB Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 32.76 Control Elev(ft): 24.620

TABLE

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 27.350  
 Rise(in): 24.00 Control Elev(ft): 27.350

TABLE

Name: Pond B\_Out2 From Node: Pond B Length(ft): 224.00  
 Group: BASE To Node: H Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

TABLE

Count: 1  
 Type: Vertical: Mavis  
 Flow: Both  
 Geometry: Rectangular  
 Span(in): 24.00  
 Rise(in): 6.00  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200  
 Orifice Disc Coef: 0.600  
 Invert(ft): 24.620  
 Control Elev(ft): 24.620

Name: Pond C\_Out      From Node: Pond C      Length(ft): 12.00  
 Group: BASE      To Node: F      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

TABLE

Count: 1  
 Type: Vertical: Mavis  
 Flow: Both  
 Geometry: Rectangular  
 Span(in): 48.00  
 Rise(in): 26.00  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200  
 Orifice Disc Coef: 0.600  
 Invert(ft): 23.550  
 Control Elev(ft): 23.550

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

TABLE

Count: 3  
 Type: Horizontal  
 Flow: Both  
 Geometry: Rectangular  
 Span(in): 48.00  
 Rise(in): 48.00  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200  
 Orifice Disc Coef: 0.600  
 Invert(ft): 25.710  
 Control Elev(ft): 25.710

Name: X5-X2      From Node: X5      Length(ft): 250.00  
 Group: BASE      To Node: X2      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

TABLE

Count: 1  
 Type: Horizontal  
 Flow: Both  
 Bottom Clip(in): 0.000  
 Top Clip(in): 0.000  
 Weir Disc Coef: 3.200

Geometry: Rectangular                      Orifice Disc Coef: 0.600  
Span(in): 48.00                                      Invert(ft): 23.000  
Rise(in): 48.00                                      Control Elev(ft): 23.000

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1                                      Bottom Clip(in): 0.000  
Type: Vertical: Mavis                      Top Clip(in): 0.000  
Flow: Both                                      Weir Disc Coef: 3.200  
Geometry: Rectangular                      Orifice Disc Coef: 0.600  
Span(in): 48.00                                      Invert(ft): 22.000  
Rise(in): 6.00                                      Control Elev(ft): 22.000

TABLE

Name: X6-X7                      From Node: X6                      Length(ft): 100.00  
Group: BASE                      To Node: X7                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1                                      Bottom Clip(in): 0.000  
Type: Horizontal                                      Top Clip(in): 0.000  
Flow: Both                                      Weir Disc Coef: 3.200  
Geometry: Rectangular                      Orifice Disc Coef: 0.600  
Span(in): 48.00                                      Invert(ft): 22.000  
Rise(in): 48.00                                      Control Elev(ft): 22.000

TABLE

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1                                      Bottom Clip(in): 0.000  
Type: Vertical: Mavis                      Top Clip(in): 0.000  
Flow: Both                                      Weir Disc Coef: 3.200  
Geometry: Rectangular                      Orifice Disc Coef: 0.600  
Span(in): 48.00                                      Invert(ft): 21.000  
Rise(in): 6.00                                      Control Elev(ft): 21.000

TABLE

==== Weirs =====

Name: A\_Over                      From Node: A\_up  
Group: BASE                      To Node: A\_dn  
Flow: Both                                      Count: 1  
Type: Vertical: Fread                      Geometry: Trapezoidal

Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

Name: B\_Over                      From Node: B\_up  
Group: BASE                      To Node: B\_dn  
Flow: Both                                      Count: 1  
Type: Vertical: Fread                      Geometry: Trapezoidal

Bottom Width(ft): 50.00



Left Side Slope(h/v): 100.00  
Right Side Slope(h/v): 50.00  
    Invert(ft): 27.300  
Control Elevation(ft): 27.300  
Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
        Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: C\_Over                      From Node: C\_up  
Group: BASE                      To Node: C\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

    Bottom Width(ft): 10.00  
    Left Side Slope(h/v): 40.00  
    Right Side Slope(h/v): 40.00  
        Invert(ft): 27.000  
Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
        Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: G\_Over                      From Node: G\_up  
Group: BASE                      To Node: G\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

    Bottom Width(ft): 10.00  
    Left Side Slope(h/v): 40.00  
    Right Side Slope(h/v): 40.00  
        Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
        Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: H\_Over                      From Node: H  
Group: BASE                      To Node: I  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

    Bottom Width(ft): 10.00  
    Left Side Slope(h/v): 40.00  
    Right Side Slope(h/v): 40.00  
        Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
        Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: Pond B\_Over                From Node: Pond B  
Group: BASE                      To Node: H  
Flow: Both                      Count: 1  
Type: Vertical: Fread            Geometry: Trapezoidal

    Bottom Width(ft): 50.00  
    Left Side Slope(h/v): 50.00  
    Right Side Slope(h/v): 50.00  
        Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
        Top Clip(ft): 0.000

Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond\_C\_Over            From Node: Pond C  
Group: BASE                To Node: F  
Flow: Both                Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
    Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond\_A\_Over            From Node: Pond A  
Group: BASE                To Node: Pond C  
Flow: Both                Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 20.00  
Right Side Slope(h/v): 20.00  
    Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
=== Hydrology Simulations =====  
=====

Name: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\002-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 4.50

Time(hrs)            Print Inc(min)  
-----  
48.000              5.00

-----  
Name: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\010-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 6.70

Time(hrs)            Print Inc(min)  
-----  
48.000              5.00

-----  
Name: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\025-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
    Rainfall File: Scsiii  
Rainfall Amount(in): 7.60

Time(hrs)            Print Inc(min)  
-----  
48.000              5.00  
-----

Name: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\050-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\100-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)	Print Inc(min)
48.000	5.00

Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\OCT-2015.R32

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)	Print Inc(min)
120.000	5.00

Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)	Print Inc(min)
48.000	5.00

==== Routing Simulations =====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\002-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year

Time(hrs)	Print Inc(min)
9999.000	15.000

Group	Run
BASE	Yes

Name: 010-yr                      Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\010-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00

---

Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                      Boundary Flows: 010-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            5.000  
  
Group                Run  
-----  
BASE                Yes

---

Name: 025-yr                      Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\025-yr.I32  
  
Execute: Yes                      Restart: No                      Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                      Boundary Flows: 025-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

---

Name: 050-yr                      Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\050-yr.I32  
  
Execute: Yes                      Restart: No                      Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year                      Boundary Flows: 050-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

---

Name: 100-yr                      Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\100-yr.I32  
  
Execute: Yes                      Restart: No                      Patch: No  
Alternative: No  
  
Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year                      Boundary Flows: 100-year

Time(hrs)            Print Inc(min)  
-----  
9999.000            15.000  
  
Group                Run  
-----  
BASE                Yes

---

Name: OCT-2015                      Hydrology Sim: OCT-2015

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\OCT-2015.I32

Execute: Yes            Restart: No            Patch: No  
Alternative: No

Max Delta Z(ft): 1.00            Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000            End Time(hrs): 144.00  
Min Calc Time(sec): 0.5000        Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2015        Boundary Flows: OCT-2015

Time(hrs)	Print Inc(min)
999.000	15.000
Group	Run
BASE	Yes

Name: OCT-2016            Hydrology Sim: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2A\OCT-2016.I32

Execute: Yes            Restart: No            Patch: No  
Alternative: No

Max Delta Z(ft): 1.00            Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000            End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000        Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2016        Boundary Flows: OCT-2016

Time(hrs)	Print Inc(min)
999.000	15.000
Group	Run
BASE	Yes

=====  
==== Boundary Conditions =====  
=====

Name: 010-year            Node: HWY57\_N            Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000

Highway 9  
Alternative 2A - Input Report

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8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740
18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230

30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330

Highway 9  
 Alternative 2A - Input Report

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52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000



Highway 9  
Alternative 2A - Input Report

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0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170

Highway 9  
Alternative 2A - Input Report

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22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370

44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330

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66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

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 Name: 050-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)  
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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820

Highway 9  
Alternative 2A - Input Report

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14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170
15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460

36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390

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58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

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 Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000

Highway 9  
Alternative 2A - Input Report

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7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000



Highway 9  
Alternative 2A - Input Report

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29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570

Highway 9  
Alternative 2A - Input Report

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51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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Name: 010-year

Node: HWY57\_S

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780

21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560

43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380

Highway 9  
 Alternative 2A - Input Report

65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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 Name: 025-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760

Highway 9  
Alternative 2A - Input Report

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13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980
14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860

Highway 9  
Alternative 2A - Input Report

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35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400



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57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

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 Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410

Highway 9  
Alternative 2A - Input Report

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5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830

27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280

49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940

Highway 9  
 Alternative 2A - Input Report

71.500      5.940  
 71.750      5.890  
 72.000      5.870

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Name: 100-year	Node: HWY57_S	Type: Flow
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Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290
7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630

Highway 9  
Alternative 2A - Input Report

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19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260

41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740

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63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

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Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000



Highway 9  
Alternative 2A - Input Report

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12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760

Highway 9  
Alternative 2A - Input Report

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34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910

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56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

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 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000

Highway 9  
Alternative 2A - Input Report

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4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800

Highway 9  
Alternative 2A - Input Report

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26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890

48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950

Highway 9  
 Alternative 2A - Input Report

70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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 Name: OCT-2016                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120

Highway 9  
Alternative 2A - Input Report

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18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530



Highway 9  
Alternative 2A - Input Report

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40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620

Highway 9  
Alternative 2A - Input Report

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62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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Name: OCT-2016                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640
6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780

10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550
11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630
16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840
18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890

Highway 9  
Alternative 2A - Input Report

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32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780

Highway 9  
 Alternative 2A - Input Report

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54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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 Name: OCT-2015

Node: HWY57\_N

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000

3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000

Highway 9  
Alternative 2A - Input Report

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25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010

Highway 9  
Alternative 2A - Input Report

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47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080



Highway 9  
Alternative 2A - Input Report

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69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980

Highway 9  
Alternative 2A - Input Report

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91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050

113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650

Highway 9  
 Alternative 2A - Input Report

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135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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 Name: OCT-2015                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
-----	-----
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000

Highway 9  
Alternative 2A - Input Report

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11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080

Highway 9  
Alternative 2A - Input Report

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33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280

55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960

Highway 9  
Alternative 2A - Input Report

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77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300



Highway 9  
Alternative 2A - Input Report

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99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610

121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810

Highway 9  
 Alternative 2A - Input Report

143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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Name: 002-year	Node: BNDRY	Type: Stage
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Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001
7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048
10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105
14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745

Highway 9  
Alternative 2A - Input Report

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19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342

41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110

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63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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 Name: 010-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522

Highway 9  
Alternative 2A - Input Report

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11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053

33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312



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55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

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 Name: 025-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000

Highway 9  
Alternative 2A - Input Report

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4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810

Highway 9  
Alternative 2A - Input Report

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26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418

Highway 9  
Alternative 2A - Input Report

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48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196

Highway 9  
 Alternative 2A - Input Report

70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700

Highway 9  
Alternative 2A - Input Report

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18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710

40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280

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62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

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 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596



10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265

32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366

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54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015

Node: BNDRY

Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000

2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000
12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000

Highway 9  
Alternative 2A - Input Report

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24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367

Highway 9  
Alternative 2A - Input Report

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46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187

68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717

90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484



112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453

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134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

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 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

---

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616
6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873

11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623
12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341
16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309
18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395

Highway 9  
Alternative 2A - Input Report

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33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150

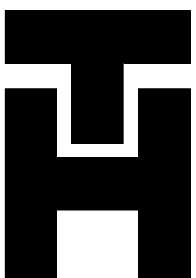
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485
64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386

**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 2B**

**J – 26146.0000**

Prepared by:



**THOMAS & HUTTON**

Savannah, GA | Charleston, SC | Myrtle Beach, SC | Brunswick, GA | Wilmington, NC

=====  
Basins  
=====

Name: A Node: A\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00  
Area(ac): 13.040 Time Shift(hrs): 0.00  
Curve Number: 78.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----

Name: B Node: B\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 50.00  
Area(ac): 12.560 Time Shift(hrs): 0.00  
Curve Number: 85.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----

Name: C Node: C\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 72.00  
Area(ac): 24.120 Time Shift(hrs): 0.00  
Curve Number: 80.60 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----

Name: D Node: D Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00  
Area(ac): 22.090 Time Shift(hrs): 0.00  
Curve Number: 91.60 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----

Name: E Node: E Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 57.00  
Area(ac): 40.070 Time Shift(hrs): 0.00  
Curve Number: 84.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----

Name: F Node: F Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 43.00  
Area(ac): 10.150 Time Shift(hrs): 0.00  
Curve Number: 76.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----

Name: G Node: G\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00

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Rainfall Amount(in): 0.000	Time of Conc(min): 25.00
Area(ac): 3.210	Time Shift(hrs): 0.00
Curve Number: 83.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

---

Name: H	Node: H	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 54.00	
Area(ac): 8.140	Time Shift(hrs): 0.00	
Curve Number: 82.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: I	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 69.00	
Area(ac): 8.230	Time Shift(hrs): 0.00	
Curve Number: 78.70	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: J	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 45.00	
Area(ac): 12.030	Time Shift(hrs): 0.00	
Curve Number: 77.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: K	Node: K	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 31.00	
Area(ac): 27.010	Time Shift(hrs): 0.00	
Curve Number: 77.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond A	Node: Pond A	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 29.00	
Area(ac): 9.570	Time Shift(hrs): 0.00	
Curve Number: 83.40	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond B	Node: Pond B	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 22.00	
Area(ac): 16.260	Time Shift(hrs): 0.00	
Curve Number: 82.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond C	Node: Pond C	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	



Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 35.00  
Area(ac): 10.020 Time Shift(hrs): 0.00  
Curve Number: 80.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X1 Node: A\_dn Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 45.00  
Area(ac): 5.940 Time Shift(hrs): 0.00  
Curve Number: 89.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X2 Node: X2 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 11.470 Time Shift(hrs): 0.00  
Curve Number: 88.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X3 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 13.300 Time Shift(hrs): 0.00  
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X4 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 53.00  
Area(ac): 66.070 Time Shift(hrs): 0.00  
Curve Number: 88.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X5 Node: X5 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 9.00  
Area(ac): 10.610 Time Shift(hrs): 0.00  
Curve Number: 77.50 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X6 Node: X6 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00  
Area(ac): 21.360 Time Shift(hrs): 0.00  
Curve Number: 79.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

```

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-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

```

=====  
=== Nodes =====  
=====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area

```

```

Stage(ft)      Area(ac)
-----

```

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area

```

```

Stage(ft)      Area(ac)
-----

```

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area

```

```

Stage(ft)      Area(ac)
-----

```

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area

```

```

Stage(ft)      Area(ac)
-----

```

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area

```

```

Stage(ft)      Area(ac)
-----

```

```

Name: Alt1                    Base Flow(cfs): 0.000       Init Stage(ft): 18.800
Group: BASE                   Warn Stage(ft): 25.000
Type: Stage/Area

```

```

Stage(ft)      Area(ac)
-----

```

```

-----
Name: B_dn           Base Flow(cfs): 0.000      Init Stage(ft): 20.800
Group: BASE         Warn Stage(ft): 24.000
Type: Stage/Area

```

```

-----
Stage(ft)          Area(ac)
-----

```

```

-----
Name: B_up           Base Flow(cfs): 0.000      Init Stage(ft): 21.200
Group: BASE         Warn Stage(ft): 24.200
Type: Stage/Area

```

```

-----
Stage(ft)          Area(ac)
-----

```

```

-----
Name: BNDRY         Base Flow(cfs): 0.000      Init Stage(ft): 16.000
Group: BASE         Warn Stage(ft): 23.000
Type: Time/Stage

```

```

-----
Time(hrs)          Stage(ft)
-----
0.00               16.000
999.00            16.000

```

```

-----
Name: BNDRY_Off     Base Flow(cfs): 0.000      Init Stage(ft): 23.280
Group: BASE         Warn Stage(ft): 27.210
Type: Time/Stage

```

```

-----
Time(hrs)          Stage(ft)
-----
0.00               23.280
999.00            23.280

```

```

-----
Name: C_dn           Base Flow(cfs): 0.000      Init Stage(ft): 23.000
Group: BASE         Warn Stage(ft): 27.000
Type: Stage/Area

```

```

-----
Stage(ft)          Area(ac)
-----

```

```

-----
Name: C_up           Base Flow(cfs): 0.000      Init Stage(ft): 23.450
Group: BASE         Warn Stage(ft): 27.000
Type: Stage/Area

```

```

-----
Stage(ft)          Area(ac)
-----
23.450            0.0000
27.000            2.0000

```

```

-----
Name: D             Base Flow(cfs): 0.000      Init Stage(ft): 22.800
Group: BASE         Warn Stage(ft): 27.000
Type: Stage/Area

```

```

-----
Stage(ft)          Area(ac)
-----

```

```

-----
Name: E             Base Flow(cfs): 0.000      Init Stage(ft): 20.200
Group: BASE         Warn Stage(ft): 27.000
Type: Stage/Area

```

```

-----
Stage(ft)          Area(ac)
-----
20.200            0.0000
27.000            0.0100

```

-----  
 Name: E1                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: E2                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
 Group: BASE                      Warn Stage(ft): 30.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: E3                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.500  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: E4                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: F                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.070  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: F1                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.700  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----

-----  
 Name: G\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.430  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----  
 24.430                      0.0000  
 27.000                      0.0100

-----  
 Name: G\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.000  
 Group: BASE                      Warn Stage(ft): 27.660  
 Type: Stage/Area

-----  
 Stage(ft)                      Area(ac)  
 -----  
 25.000                      0.0000  
 28.000                      0.0100

-----  
 Name: H                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.810  
 Group: BASE                      Warn Stage(ft): 27.590

Type: Stage/Area

Stage(ft)	Area(ac)
21.810	0.0010
27.590	0.0010

---

Name: HWY57_N	Base Flow(cfs): 0.000	Init Stage(ft): 25.760
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: HWY57_S	Base Flow(cfs): 0.000	Init Stage(ft): 24.200
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: I	Base Flow(cfs): 0.000	Init Stage(ft): 20.750
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: J	Base Flow(cfs): 0.000	Init Stage(ft): 22.500
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: J1	Base Flow(cfs): 0.000	Init Stage(ft): 23.500
Group: BASE		Warn Stage(ft): 29.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: JB	Base Flow(cfs): 0.000	Init Stage(ft): 24.130
Group: BASE		Warn Stage(ft): 27.210
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: K	Base Flow(cfs): 0.000	Init Stage(ft): 25.000
Group: BASE		Warn Stage(ft): 30.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

Name: Pond A	Base Flow(cfs): 0.000	Init Stage(ft): 23.550
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

---

23.390          0.4100  
27.000          0.8000

Name: Pond B                  Base Flow(cfs): 0.000          Init Stage(ft): 24.620  
Group: BASE                      Warn Stage(ft): 29.000  
Type: Stage/Area

Stage(ft)	Area(ac)
24.620	1.8100
29.000	2.0000

Name: Pond C                  Base Flow(cfs): 0.000          Init Stage(ft): 23.550  
Group: BASE                      Warn Stage(ft): 28.000  
Type: Stage/Area

Stage(ft)	Area(ac)
23.550	0.4000
28.000	0.4500

Name: X2                      Base Flow(cfs): 0.000          Init Stage(ft): 18.500  
Group: BASE                      Warn Stage(ft): 25.000  
Type: Stage/Area

Stage(ft)	Area(ac)

Name: X3                      Base Flow(cfs): 0.000          Init Stage(ft): 18.000  
Group: BASE                      Warn Stage(ft): 25.000  
Type: Stage/Area

Stage(ft)	Area(ac)

Name: X5                      Base Flow(cfs): 0.000          Init Stage(ft): 22.000  
Group: BASE                      Warn Stage(ft): 25.000  
Type: Stage/Area

Stage(ft)	Area(ac)
22.000	1.0500
25.000	1.9000

Name: X6                      Base Flow(cfs): 0.000          Init Stage(ft): 21.000  
Group: BASE                      Warn Stage(ft): 23.000  
Type: Stage/Area

Stage(ft)	Area(ac)
21.000	3.9800
23.000	5.5000

Name: X7                      Base Flow(cfs): 0.000          Init Stage(ft): 17.000  
Group: BASE                      Warn Stage(ft): 23.000  
Type: Stage/Area

Stage(ft)	Area(ac)

==== Cross Sections =====

Name: 0                                  Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000
354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000

419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
453.732	23.670	0.045000
458.681	23.644	0.045000
463.577	23.500	0.045000
466.686	19.000	0.045000
471.453	18.000	0.045000
476.327	19.100	0.045000
481.835	22.600	0.045000
488.379	22.690	0.045000
493.328	22.970	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000
807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000



Highway 9  
Alternative 2B - Input Report

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851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

-----  
Name: 0\_Mod  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000

354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
452.753	23.500	0.045000
463.953	18.000	0.045000
471.453	18.000	0.045000
478.953	18.000	0.045000
488.953	23.000	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000

807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

Name: 1\_Mod  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.000	0.045000
4.961	27.006	0.045000
9.921	27.011	0.045000
14.882	27.008	0.045000
19.843	26.959	0.045000
24.803	26.958	0.045000
29.764	27.000	0.045000
34.724	26.934	0.045000
39.685	26.907	0.045000
44.646	26.950	0.045000
49.606	27.033	0.045000
54.567	27.095	0.045000
59.528	27.209	0.045000
64.488	27.206	0.045000
69.449	27.213	0.045000
74.410	27.235	0.045000
79.370	27.256	0.045000
84.331	27.274	0.045000
89.291	27.096	0.045000
94.252	27.070	0.045000
99.213	27.061	0.045000
104.173	26.978	0.045000
109.134	26.854	0.045000
114.095	26.816	0.045000
119.055	26.779	0.045000
124.016	26.741	0.045000
128.976	26.684	0.045000
133.937	26.613	0.045000
138.898	26.499	0.045000
143.858	26.143	0.045000
148.819	25.691	0.045000
153.780	25.636	0.045000
158.740	25.648	0.045000
162.824	25.600	0.045000
177.624	18.200	0.045000
185.124	18.200	0.045000
192.624	18.200	0.045000
207.423	25.600	0.045000
210.137	25.749	0.045000
214.746	25.684	0.045000
219.724	25.471	0.045000
224.702	25.334	0.045000
229.680	25.320	0.045000
234.658	25.304	0.045000
239.636	25.435	0.045000
244.614	25.418	0.045000
249.592	25.470	0.045000
254.571	25.500	0.045000
259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000

Highway 9  
 Alternative 2B - Input Report

329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000
398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

Name: A1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000

Highway 9  
Alternative 2B - Input Report

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291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000

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734.743            30.217            0.045000

Name: A2  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000
44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000

Highway 9  
 Alternative 2B - Input Report

378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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 Name: A3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000
109.531	23.779	0.045000
114.432	25.375	0.045000
119.333	26.454	0.045000
124.234	27.037	0.045000
129.135	27.468	0.045000
134.036	27.733	0.045000
138.936	27.814	0.045000
143.837	27.884	0.045000
148.738	28.063	0.045000
153.639	28.120	0.045000
158.540	28.243	0.045000
163.441	28.315	0.045000
168.341	28.228	0.045000
173.242	28.248	0.045000
176.925	28.277	0.045000

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Name: E  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	46.837	0.045000
4.945	47.344	0.045000
9.890	49.574	0.045000
14.835	47.989	0.045000
19.780	43.436	0.045000
24.725	38.399	0.045000
29.670	33.765	0.045000
34.615	31.163	0.045000
39.560	29.728	0.045000
44.504	28.299	0.045000
49.449	27.202	0.045000
54.394	26.965	0.045000
59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: E1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000



Highway 9  
Alternative 2B - Input Report

154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000
243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

Name: E2  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000
87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000

Highway 9  
 Alternative 2B - Input Report

156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000
224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000
249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

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 Name: E3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000

Highway 9  
Alternative 2B - Input Report

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69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000
163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000

505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

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Name: E4 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000

317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000
412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000

Highway 9  
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755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000
850.142	31.756	0.045000
855.126	31.757	0.045000

Name: F  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000
217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000

Highway 9  
Alternative 2B - Input Report

286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000
356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000
380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

Name: F1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000
69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000

Highway 9  
Alternative 2B - Input Report

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139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000
208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000
233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000



Highway 9  
 Alternative 2B - Input Report

567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000
636.840	29.030	0.045000

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 Name: HWY 57 N                      Group: BASE  
 Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000
246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000

Highway 9  
Alternative 2B - Input Report

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308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000
400.219	29.992	0.045000
405.128	29.991	0.045000
410.037	29.856	0.045000
414.945	30.024	0.045000
419.854	30.198	0.045000
424.763	30.308	0.045000
429.672	30.294	0.045000
434.580	30.363	0.045000
439.489	30.361	0.045000
444.398	30.383	0.045000
449.306	30.397	0.045000
454.215	30.411	0.045000
459.124	30.559	0.045000
464.033	30.690	0.045000
468.941	30.758	0.045000
473.850	30.569	0.045000
478.759	30.381	0.045000
483.668	30.301	0.045000
488.576	30.229	0.045000
493.485	30.251	0.045000
498.394	30.263	0.045000
503.302	30.173	0.045000
508.211	30.196	0.045000
513.120	30.353	0.045000
518.029	30.687	0.045000
522.937	30.950	0.045000
527.846	31.172	0.045000
532.755	31.238	0.045000
537.663	31.248	0.045000

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Name: HWY 57 S                      Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	33.676	0.045000
4.866	33.611	0.045000
9.732	33.525	0.045000
14.598	33.496	0.045000
19.464	33.513	0.045000
24.330	33.530	0.045000
29.196	33.545	0.045000
34.062	33.564	0.045000
38.928	33.578	0.045000
43.794	33.588	0.045000
48.660	33.602	0.045000
53.526	33.609	0.045000
58.392	33.618	0.045000
63.259	33.604	0.045000
68.125	33.303	0.045000
72.991	32.737	0.045000
77.857	32.140	0.045000
82.723	31.628	0.045000
90.000	31.500	0.045000
103.831	30.900	0.045000
109.264	27.400	0.045000
112.984	21.700	0.045000
116.540	21.100	0.045000
121.076	22.000	0.045000
124.320	28.300	0.045000
131.291	28.887	0.045000
136.147	29.394	0.045000
141.002	29.615	0.045000
145.905	29.791	0.045000
150.808	30.039	0.045000
155.711	30.349	0.045000

Highway 9  
Alternative 2B - Input Report

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160.614	30.358	0.045000
165.517	30.355	0.045000
170.420	30.479	0.045000
175.323	30.668	0.045000
180.226	30.852	0.045000
185.129	30.951	0.045000
190.032	31.105	0.045000
194.935	31.187	0.045000
199.838	31.134	0.045000
204.741	31.153	0.045000
209.644	31.331	0.045000
214.547	31.538	0.045000
219.450	31.562	0.045000
224.353	31.615	0.045000
229.256	31.647	0.045000
234.159	31.539	0.045000
239.062	31.514	0.045000
243.965	31.567	0.045000
248.868	31.640	0.045000
253.771	31.628	0.045000
258.674	31.704	0.045000
263.577	31.798	0.045000
268.480	31.816	0.045000
273.383	31.750	0.045000
278.286	31.792	0.045000
283.189	31.965	0.045000
288.092	32.010	0.045000
292.995	31.930	0.045000
297.898	31.733	0.045000

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Name: HWY 9 US  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.017	0.045000
4.924	29.029	0.045000
9.848	28.839	0.045000
14.772	28.220	0.045000
19.696	26.684	0.045000
24.621	25.496	0.045000
29.545	25.564	0.045000
34.469	25.861	0.045000
39.393	26.303	0.045000
44.317	26.704	0.045000
49.241	26.362	0.045000
54.165	25.060	0.045000
54.176	24.800	0.045000
60.206	21.500	0.045000
66.625	21.000	0.045000
67.978	18.700	0.045000
71.907	18.100	0.045000
75.475	20.000	0.045000
79.606	23.800	0.045000
83.390	24.400	0.045000
84.078	25.010	0.045000
89.076	25.514	0.045000
94.073	25.926	0.045000
99.071	25.831	0.045000
104.063	25.674	0.045000
109.056	25.666	0.045000
114.048	25.399	0.045000
119.041	24.940	0.045000
124.033	24.747	0.045000
129.026	24.447	0.045000
134.018	24.293	0.045000
139.011	24.581	0.045000
144.003	24.952	0.045000
148.996	24.712	0.045000
153.988	24.536	0.045000
158.981	24.550	0.045000
163.973	24.588	0.045000
168.966	24.667	0.045000
173.958	24.784	0.045000
178.950	25.133	0.045000
183.943	25.568	0.045000
188.935	25.725	0.045000
193.928	25.736	0.045000
198.920	25.806	0.045000
203.913	25.852	0.045000
208.905	25.838	0.045000
213.898	25.968	0.045000
218.890	26.075	0.045000
223.883	25.996	0.045000

Name: J  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	28.596	0.045000
4.904	28.574	0.045000
9.808	28.578	0.045000
14.712	28.624	0.045000
19.615	28.560	0.045000
24.519	28.356	0.045000
29.423	28.118	0.045000
34.327	27.988	0.045000
39.231	27.856	0.045000
44.135	28.056	0.045000
49.039	28.329	0.045000
53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000

Highway 9  
Alternative 2B - Input Report

388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000
481.687	28.900	0.045000
486.594	28.850	0.045000
491.501	28.858	0.045000
496.408	28.871	0.045000

Name: J1 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	29.299	0.045000
4.997	29.237	0.045000
9.995	29.271	0.045000
14.992	29.289	0.045000
19.989	29.289	0.045000
24.987	29.297	0.045000
29.984	29.224	0.045000
34.981	29.244	0.045000
39.979	29.223	0.045000
44.976	29.127	0.045000
49.973	29.000	0.045000
54.971	29.100	0.045000
59.968	29.218	0.045000
64.965	29.288	0.045000
69.963	29.354	0.045000
74.960	29.317	0.045000
79.957	29.182	0.045000
84.955	29.174	0.045000
89.952	29.307	0.045000
94.949	29.101	0.045000
99.947	28.984	0.045000
104.944	28.942	0.045000
109.941	28.963	0.045000
114.939	28.967	0.045000
119.936	28.782	0.045000
124.933	28.631	0.045000
129.931	28.796	0.045000
134.928	28.943	0.045000
139.925	28.929	0.045000
144.923	28.865	0.045000
149.920	28.922	0.045000
154.912	28.884	0.045000
159.903	28.805	0.045000
164.895	28.854	0.045000
169.886	28.746	0.045000
174.878	28.696	0.045000
179.870	28.726	0.045000
184.861	28.740	0.045000
189.853	28.727	0.045000
194.844	28.611	0.045000
199.836	28.460	0.045000
204.828	28.243	0.045000
209.819	28.210	0.045000
214.811	28.450	0.045000
219.802	28.627	0.045000
224.794	28.493	0.045000
229.785	28.451	0.045000
234.777	28.479	0.045000
239.769	28.538	0.045000
244.760	28.674	0.045000
249.752	28.605	0.045000
254.743	28.529	0.045000
259.735	28.622	0.045000
264.727	28.580	0.045000
269.718	28.583	0.045000
274.710	28.489	0.045000

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279.701	28.668	0.045000
284.693	28.713	0.045000
289.685	28.544	0.045000
294.676	28.531	0.045000
299.668	28.538	0.045000
304.659	28.695	0.045000
309.651	28.900	0.045000
314.643	28.920	0.045000
319.634	28.912	0.045000
324.626	28.790	0.045000
329.617	28.792	0.045000
334.609	28.740	0.045000
339.601	28.532	0.045000
344.592	28.316	0.045000
349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000
374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000

Highway 9  
Alternative 2B - Input Report

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711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000
806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

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Name: K  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000
208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000

Highway 9  
Alternative 2B - Input Report

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277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000
346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000
371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000



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739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000
833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000



382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000
475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000

Highway 9  
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816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000
910.950	25.006	0.045000
915.861	25.052	0.045000
920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

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 Name: X7  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000
34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000

103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000
171.702	26.100	0.045000
176.700	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000
196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000



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53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000
122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000
146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000

Highway 9  
Alternative 2B - Input Report

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486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000
581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000



Highway 9  
Alternative 2B - Input Report

921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000
990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000
1015.620	23.703	0.045000
1020.552	23.845	0.045000
1025.484	23.977	0.045000
1030.415	24.007	0.045000
1035.347	24.119	0.045000
1040.279	23.926	0.045000
1045.211	23.762	0.045000
1050.142	23.673	0.045000
1055.074	23.493	0.045000

=====  
 Operating Tables  
 =====

Name: Group: BASE  
 Type: Rating Curve  
 Function: Head vs. Discharge

Head(ft) Discharge(cfs)  
 -----

=====  
 Pipes  
 =====

Name: A	From Node: A_up	Length(ft): 134.00
Group: BASE	To Node: A_dn	Count: 2
	Friction Equation: Automatic	Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Rectangular	Rectangular	Entrance Loss Coef: 0.50
Span(in): 72.00	72.00	Exit Loss Coef: 0.50
Rise(in): 72.00	72.00	Bend Loss Coef: 0.00
Invert(ft): 20.110	19.600	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.040000	0.040000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
 Rectangular Box: 30° to 75° wingwall flares

Name: A_1	From Node: A_up	Length(ft): 134.00
Group: BASE	To Node: A_dn	Count: 2
	Friction Equation: Automatic	Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.50
Span(in): 54.00	54.00	Exit Loss Coef: 0.50
Rise(in): 54.00	54.00	Bend Loss Coef: 0.00
Invert(ft): 20.500	20.000	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: B                      From Node: B_up           Length(ft): 55.00
Group: BASE                   To Node: B_dn            Count: 1
                               Friction Equation: Automatic
                               Solution Algorithm: Most Restrictive
                               Flow: Both
UPSTREAM                       DOWNSTREAM
Geometry: Circular            Circular
Span(in): 36.00              36.00
Rise(in): 36.00              36.00
Invert(ft): 21.200           21.000
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
                               Entrance Loss Coef: 0.20
                               Exit Loss Coef: 0.50
                               Bend Loss Coef: 0.00
                               Outlet Ctrl Spec: Use dc or tw
                               Inlet Ctrl Spec: Use dc
                               Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: G                      From Node: G_up           Length(ft): 115.00
Group: BASE                   To Node: G_dn            Count: 1
                               Friction Equation: Automatic
                               Solution Algorithm: Most Restrictive
                               Flow: Both
UPSTREAM                       DOWNSTREAM
Geometry: Circular            Circular
Span(in): 18.00              18.00
Rise(in): 18.00              18.00
Invert(ft): 25.000           24.430
Manning's N: 0.040000        0.040000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
                               Entrance Loss Coef: 0.50
                               Exit Loss Coef: 0.50
                               Bend Loss Coef: 0.00
                               Outlet Ctrl Spec: Use dc or tw
                               Inlet Ctrl Spec: Use dc
                               Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: H-I                    From Node: H              Length(ft): 170.00
Group: BASE                   To Node: I                Count: 1
                               Friction Equation: Automatic
                               Solution Algorithm: Most Restrictive
                               Flow: Both
UPSTREAM                       DOWNSTREAM
Geometry: Circular            Circular
Span(in): 36.00              36.00
Rise(in): 36.00              36.00
Invert(ft): 21.810           20.750
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
                               Entrance Loss Coef: 0.50
                               Exit Loss Coef: 0.50
                               Bend Loss Coef: 0.00
                               Outlet Ctrl Spec: Use dc or tw
                               Inlet Ctrl Spec: Use dc
                               Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

-----
Name: JB-Out                 From Node: JB             Length(ft): 263.00
Group: BASE                   To Node: BNDRY_Off        Count: 1
                               Friction Equation: Automatic
                               Solution Algorithm: Most Restrictive
                               Flow: Both
UPSTREAM                       DOWNSTREAM
Geometry: Circular            Circular
Span(in): 30.00              30.00
Rise(in): 30.00              30.00
Invert(ft): 24.130           23.280
Manning's N: 0.013000        0.013000
Top Clip(in): 0.000          0.000
Bot Clip(in): 0.000          0.000
                               Entrance Loss Coef: 0.00
                               Exit Loss Coef: 1.00
                               Bend Loss Coef: 0.00
                               Outlet Ctrl Spec: Use dc or tw
                               Inlet Ctrl Spec: Use dc
                               Stabilizer Option: None
  
```

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

```

-----
Name: Pond C                From Node: C_up          Length(ft): 90.00
Group: BASE                 To Node: C_dn           Count: 1
                             UPSTREAM      DOWNSTREAM              Friction Equation: Automatic
                             Geometry: Circular  Circular                Solution Algorithm: Most Restrictive
Span(in): 36.00             36.00                   Flow: Both
Rise(in): 36.00             36.00                   Entrance Loss Coef: 0.20
Invert(ft): 23.450         23.000                  Exit Loss Coef: 0.50
Manning's N: 0.013000      0.013000                Bend Loss Coef: 0.00
Top Clip(in): 0.000        0.000                   Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000        0.000                   Inlet Ctrl Spec: Use dc
                             Stabilizer Option: None

```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

==== Channels =====

```

-----
Name: A-Alt1                From Node: A_dn          Length(ft): 300.00
Group: BASE                 To Node: Alt1           Count: 1
                             UPSTREAM      DOWNSTREAM              Friction Equation: Automatic
                             Geometry: Irregular Irregular                Solution Algorithm: Automatic
Invert(ft): 19.600         18.800                   Flow: Both
TClpInitZ(ft): 9999.000    9999.000                 Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):              Entrance Loss Coef: 0.000
Bot Clip(ft):              Exit Loss Coef: 0.000
Main XSec: 1_Mod           0_Mod                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000                    Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: A1                    From Node: A1            Length(ft): 244.00
Group: BASE                 To Node: A_up           Count: 1
                             UPSTREAM      DOWNSTREAM              Friction Equation: Automatic
                             Geometry: Irregular Irregular                Solution Algorithm: Automatic
Invert(ft): 20.000         20.110                   Flow: Both
TClpInitZ(ft): 9999.000    9999.000                 Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):              Entrance Loss Coef: 0.000
Bot Clip(ft):              Exit Loss Coef: 0.000
Main XSec: A1              HWY 9 US                 Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000                    Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: A2                    From Node: A2            Length(ft): 375.00
Group: BASE                 To Node: A1             Count: 1
                             UPSTREAM      DOWNSTREAM              Friction Equation: Automatic
                             Geometry: Irregular Irregular                Solution Algorithm: Automatic
Invert(ft): 20.000         20.000                   Flow: Both

```

```

TClpInitZ(ft): 9999.000      9999.000      Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):               Entrance Loss Coef: 0.000
Bot Clip(ft):               Exit Loss Coef: 0.000
Main XSec: A2              A1              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: A3                      From Node: A3      Length(ft): 170.00
Group: BASE                   To Node: A2       Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 20.100          20.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:                Friction Equation: Automatic
Top Clip(ft):               Solution Algorithm: Automatic
Bot Clip(ft):               Flow: Both
Main XSec: A3              A2              Contraction Coef: 0.100
AuxElev1(ft): 0.000        0.000          Expansion Coef: 0.300
Aux XSec1:                  Entrance Loss Coef: 0.000
AuxElev2(ft): 0.000        0.000          Exit Loss Coef: 0.000
Aux XSec2:                  Outlet Ctrl Spec: Use dc or tw
Top Width(ft):              Inlet Ctrl Spec: Use dc
Depth(ft):                  Stabilizer Option: None
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: Alt1-X3                 From Node: Alt1   Length(ft): 316.00
Group: BASE                   To Node: X3       Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 18.800          18.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:                Friction Equation: Automatic
Top Clip(ft):               Solution Algorithm: Automatic
Bot Clip(ft):               Flow: Both
Main XSec: 0                0               Contraction Coef: 0.100
AuxElev1(ft): 0.000        0.000          Expansion Coef: 0.300
Aux XSec1:                  Entrance Loss Coef: 0.000
AuxElev2(ft): 0.000        0.000          Exit Loss Coef: 0.000
Aux XSec2:                  Outlet Ctrl Spec: Use dc or tw
Top Width(ft):              Inlet Ctrl Spec: Use dc
Depth(ft):                  Stabilizer Option: None
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: B-A                     From Node: B_dn   Length(ft): 346.00
Group: BASE                   To Node: A_up     Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 20.800          20.110
TClpInitZ(ft): 9999.000    9999.000
Manning's N: 0.035000      0.035000
Top Clip(ft): 0.000        0.000
Bot Clip(ft): 0.000        0.000
Main XSec:                  Friction Equation: Automatic
AuxElev1(ft):              Solution Algorithm: Automatic
Aux XSec1:                  Flow: Both
AuxElev2(ft):              Contraction Coef: 0.100
Aux XSec2:                  Expansion Coef: 0.300
Top Width(ft):              Entrance Loss Coef: 0.000
Depth(ft):                  Exit Loss Coef: 0.000
Bot Width(ft): 4.000        4.000          Outlet Ctrl Spec: Use dc or tw
LtSdSlp(h/v): 2.00         2.00           Inlet Ctrl Spec: Use dc
RtSdSlp(h/v): 2.00         2.00           Stabilizer Option: None

```

```

-----
Name: C-B                      From Node: C_dn                Length(ft): 846.00
Group: BASE                     To Node: B_up                  Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Trapezoidal          Trapezoidal                   Solution Algorithm: Automatic
  Invert(ft): 23.000           21.200                        Flow: Both
TClpInitZ(ft): 9999.000       9999.000                      Contraction Coef: 0.100
Manning's N: 0.035000         0.035000                      Expansion Coef: 0.300
Top Clip(ft): 0.000           0.000                         Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000           0.000                         Exit Loss Coef: 0.000
Main XSec:                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                 Inlet Ctrl Spec: Use dc
Aux XSec1:                    Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000          4.000
LtSdSlp(h/v): 2.00           2.00
RtSdSlp(h/v): 2.00           2.00

```

```

-----
Name: D-E                      From Node: D                   Length(ft): 236.00
Group: BASE                     To Node: E                     Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Trapezoidal          Trapezoidal                   Solution Algorithm: Automatic
  Invert(ft): 22.800           20.200                        Flow: Both
TClpInitZ(ft): 9999.000       9999.000                      Contraction Coef: 0.100
Manning's N: 0.035000         0.035000                      Expansion Coef: 0.300
Top Clip(ft): 0.000           0.000                         Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000           0.000                         Exit Loss Coef: 0.000
Main XSec:                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                 Inlet Ctrl Spec: Use dc
Aux XSec1:                    Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000          6.000
LtSdSlp(h/v): 2.00           2.00
RtSdSlp(h/v): 2.00           2.00

```

```

-----
Name: E                        From Node: E                   Length(ft): 97.00
Group: BASE                     To Node: A3                    Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Irregular            Irregular                      Solution Algorithm: Automatic
  Invert(ft): 20.200           20.100                        Flow: Both
TClpInitZ(ft): 9999.000       9999.000                      Contraction Coef: 0.100
Manning's N:                   Expansion Coef: 0.300
Top Clip(ft):                 Entrance Loss Coef: 0.000
Bot Clip(ft):                 Exit Loss Coef: 0.000
Main XSec: E                  A3                             Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000           0.000                         Inlet Ctrl Spec: Use dc
Aux XSec1:                    Stabilizer Option: None
AuxElev2(ft): 0.000           0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: E1                       From Node: E1                  Length(ft): 354.00
Group: BASE                     To Node: E                      Count: 1

      UPSTREAM                DOWNSTREAM                    Friction Equation: Automatic
Geometry: Irregular            Irregular                      Solution Algorithm: Automatic
  Invert(ft): 21.000           20.200                        Flow: Both
TClpInitZ(ft): 9999.000       9999.000                      Contraction Coef: 0.100
Manning's N:                   Expansion Coef: 0.300
Top Clip(ft):                 Entrance Loss Coef: 0.000
Bot Clip(ft):                 Exit Loss Coef: 0.000
Main XSec: E1                 E                             Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000           0.000                         Inlet Ctrl Spec: Use dc
Aux XSec1:                    Stabilizer Option: None
AuxElev2(ft): 0.000           0.000

```

Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

```

-----
Name: E2                      From Node: E2          Length(ft): 350.00
Group: BASE                   To Node: E1          Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 21.500          21.000
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: E2                E1
AuxElev1(ft): 0.000        0.000
Aux XSec1:
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: E3                      From Node: E3          Length(ft): 500.00
Group: BASE                   To Node: E2          Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 22.500          21.500
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: E3                E2
AuxElev1(ft): 0.000        0.000
Aux XSec1:
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: E4                      From Node: E4          Length(ft): 255.00
Group: BASE                   To Node: E3          Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 23.000          22.500
TClpInitZ(ft): 9999.000    9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: E4                E3
AuxElev1(ft): 0.000        0.000
Aux XSec1:
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: E5                      From Node: HWY57_S    Length(ft): 570.00
Group: BASE                   To Node: E4          Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular          Irregular
Invert(ft): 24.200          23.000

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both

```

```

TClpInitZ(ft): 9999.000      9999.000      Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):               Entrance Loss Coef: 0.000
Bot Clip(ft):               Exit Loss Coef: 0.000
Main XSec: HWY 57 S        E4          Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000        Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: F                      From Node: F          Length(ft): 103.00
Group: BASE                  To Node: E           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular        Irregular          Solution Algorithm: Automatic
Invert(ft): 19.070        20.200            Flow: Both
TClpInitZ(ft): 9999.000  9999.000          Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):               Entrance Loss Coef: 0.000
Bot Clip(ft):               Exit Loss Coef: 0.000
Main XSec: F                E                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000            Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: F1                     From Node: F1         Length(ft): 293.00
Group: BASE                  To Node: F           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular        Irregular          Solution Algorithm: Automatic
Invert(ft): 19.700        19.070            Flow: Both
TClpInitZ(ft): 9999.000  9999.000          Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):               Entrance Loss Coef: 0.000
Bot Clip(ft):               Exit Loss Coef: 0.000
Main XSec: F1              F                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000            Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: G-F1                   From Node: G_dn       Length(ft): 285.00
Group: BASE                  To Node: F1          Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal      Trapezoidal        Solution Algorithm: Automatic
Invert(ft): 24.430        22.740            Flow: Both
TClpInitZ(ft): 9999.000  9999.000          Contraction Coef: 0.100
Manning's N: 0.035000     0.035000          Expansion Coef: 0.300
Top Clip(ft): 0.000        0.000            Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000        0.000            Exit Loss Coef: 0.000
Main XSec:                Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):              Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000      4.000
LtSdSlp(h/v): 3.00       3.00
RtSdSlp(h/v): 3.00       3.00

```

```

-----
Name: I-J                      From Node: I                      Length(ft): 296.00
Group: BASE                     To Node: J                      Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal          Irregular
Invert(ft): 20.750             22.500
TClpInitZ(ft): 9999.000       9999.000
Manning's N: 0.045000
Top Clip(ft): 0.000
Bot Clip(ft): 0.000
Main XSec:                     J
AuxElev1(ft):                 0.000
Aux XSec1:
AuxElev2(ft):                 0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000
LtSdSlp(h/v): 2.00
RtSdSlp(h/v): 2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: J                          From Node: J                      Length(ft): 558.00
Group: BASE                     To Node: F1                      Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 22.500            19.700
TClpInitZ(ft): 9999.000       9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: J                  F1
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: J1                         From Node: J1                     Length(ft): 622.00
Group: BASE                     To Node: J                      Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 23.500            22.500
TClpInitZ(ft): 9999.000       9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: J1                 J
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: K                          From Node: K                      Length(ft): 700.00
Group: BASE                     To Node: J1                      Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 25.000            23.500
TClpInitZ(ft): 9999.000       9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: K                  J1
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```



Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

```

-----
Name: K1                      From Node: HWY57_N          Length(ft): 647.00
Group: BASE                   To Node: K                  Count: 1

      UPSTREAM                DOWNSTREAM                Friction Equation: Automatic
Geometry: Irregular           Irregular                 Solution Algorithm: Automatic
Invert(ft): 25.500           25.000                   Flow: Both
TClpInitZ(ft): 9999.000     9999.000                 Contraction Coef: 0.100
Manning's N:                 Expansion Coef: 0.300
Top Clip(ft):                Entrance Loss Coef: 0.000
Bot Clip(ft):                Exit Loss Coef: 0.000
Main XSec: HWY 57 N          K                          Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000         0.000                    Inlet Ctrl Spec: Use dc
Aux XSec1:                   Stabilizer Option: None
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: Out-X7                  From Node: X3              Length(ft): 2057.00
Group: BASE                   To Node: X7                Count: 1

      UPSTREAM                DOWNSTREAM                Friction Equation: Automatic
Geometry: Irregular           Irregular                 Solution Algorithm: Automatic
Invert(ft): 18.000           17.000                   Flow: Both
TClpInitZ(ft): 9999.000     9999.000                 Contraction Coef: 0.100
Manning's N:                 Expansion Coef: 0.300
Top Clip(ft):                Entrance Loss Coef: 0.000
Bot Clip(ft):                Exit Loss Coef: 0.000
Main XSec: X4                X7                          Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000         0.000                    Inlet Ctrl Spec: Use dc
Aux XSec1:                   Stabilizer Option: None
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: X2-Out                  From Node: X2              Length(ft): 750.00
Group: BASE                   To Node: X3                Count: 1

      UPSTREAM                DOWNSTREAM                Friction Equation: Automatic
Geometry: Trapezoidal         Trapezoidal              Solution Algorithm: Automatic
Invert(ft): 18.500           18.000                   Flow: Both
TClpInitZ(ft): 9999.000     9999.000                 Contraction Coef: 0.100
Manning's N: 0.045000        0.045000                Expansion Coef: 0.300
Top Clip(ft): 0.000         0.000                    Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000         0.000                    Exit Loss Coef: 0.000
Main XSec:                   Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                Inlet Ctrl Spec: Use dc
Aux XSec1:                   Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 5.000         5.000
LtSdSlp(h/v): 2.00          2.00
RtSdSlp(h/v): 2.00          2.00

```

```

-----
Name: X7-X8                   From Node: X7              Length(ft): 2100.00
Group: BASE                   To Node: BNDRY            Count: 1

      UPSTREAM                DOWNSTREAM                Friction Equation: Automatic
Geometry: Irregular           Irregular                 Solution Algorithm: Automatic
Invert(ft): 17.000           16.000                   Flow: Both

```

```
TClpInitZ(ft): 9999.000      9999.000      Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):               Entrance Loss Coef: 0.000
Bot Clip(ft):               Exit Loss Coef: 0.000
Main XSec: X7              X8              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                  Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
```

=====  
==== Drop Structures =====  
=====

```
Name: Pond A_Out      From Node: Pond A      Length(ft): 295.00
Group: BASE          To Node: Pond C      Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Circular  Circular      Solution Algorithm: Most Restrictive
Span(in): 48.00     48.00         Flow: Both
Rise(in): 48.00     48.00         Entrance Loss Coef: 0.200
Invert(ft): 21.460  19.380        Exit Loss Coef: 1.000
Manning's N: 0.013000 0.013000      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000  0.000         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000  0.000         Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

```
Count: 1      Bottom Clip(in): 0.000      TABLE
Type: Vertical: Mavis      Top Clip(in): 0.000
Flow: Both      Weir Disc Coef: 3.200
Geometry: Rectangular      Orifice Disc Coef: 0.600

Span(in): 18.00      Invert(ft): 25.100
Rise(in): 16.80      Control Elev(ft): 25.100
```

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

```
Count: 1      Bottom Clip(in): 0.000      TABLE
Type: Vertical: Mavis      Top Clip(in): 0.000
Flow: Both      Weir Disc Coef: 3.200
Geometry: Circular      Orifice Disc Coef: 0.600

Span(in): 8.00      Invert(ft): 23.390
Rise(in): 8.00      Control Elev(ft): 23.390
```

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

```
Count: 1      Bottom Clip(in): 0.000      TABLE
Type: Vertical: Mavis      Top Clip(in): 0.000
Flow: Both      Weir Disc Coef: 3.200
Geometry: Rectangular      Orifice Disc Coef: 0.600

Span(in): 164.00      Invert(ft): 26.500
Rise(in): 99999.00      Control Elev(ft): 26.500
```

```
Name: Pond B_Out1      From Node: Pond B      Length(ft): 115.00
Group: BASE          To Node: JB      Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Circular  Circular      Solution Algorithm: Most Restrictive
Span(in): 15.00     15.00         Flow: Both
Rise(in): 15.00     15.00         Entrance Loss Coef: 0.200
Invert(ft): 24.500  24.130        Exit Loss Coef: 0.500
Manning's N: 0.013000 0.013000      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000  0.000         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000  0.000         Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 32.76	Control Elev(ft): 24.620	

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 27.350	
Rise(in): 24.00	Control Elev(ft): 27.350	

Name: Pond B_Out2	From Node: Pond B	Length(ft): 224.00
Group: BASE	To Node: H	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 6.00	Control Elev(ft): 24.620	

Name: Pond C_Out	From Node: Pond C	Length(ft): 12.00
Group: BASE	To Node: F	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.550	
Rise(in): 26.00	Control Elev(ft): 23.550	

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 25.710	
Rise(in): 48.00	Control Elev(ft): 25.710	

Name: X5-X2	From Node: X5	Length(ft): 250.00
Group: BASE	To Node: X2	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.000	
Rise(in): 48.00	Control Elev(ft): 23.000	

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 6.00	Control Elev(ft): 22.000	

Name: X6-X7	From Node: X6	Length(ft): 100.00
Group: BASE	To Node: X7	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 48.00	Control Elev(ft): 22.000	

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
----------	------------------------	-------

```

Type: Vertical: Mavis           Top Clip(in): 0.000
Flow: Both                     Weir Disc Coef: 3.200
Geometry: Rectangular         Orifice Disc Coef: 0.600

Span(in): 48.00                Invert(ft): 21.000
Rise(in): 6.00                 Control Elev(ft): 21.000

```

=====  
Weirs =====  
=====

```

Name: A_Over                    From Node: A_up
Group: BASE                     To Node: A_dn
Flow: Both                     Count: 1
Type: Vertical: Fread          Geometry: Trapezoidal

Bottom Width(ft): 25.00
Left Side Slope(h/v): 500.00
Right Side Slope(h/v): 500.00
Invert(ft): 27.800
Control Elevation(ft): 27.800
Struct Opening Dim(ft): 9999.00

Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

```

TABLE

```

Name: B_Over                    From Node: B_up
Group: BASE                     To Node: B_dn
Flow: Both                     Count: 1
Type: Vertical: Fread          Geometry: Trapezoidal

Bottom Width(ft): 50.00
Left Side Slope(h/v): 100.00
Right Side Slope(h/v): 50.00
Invert(ft): 27.300
Control Elevation(ft): 27.300
Struct Opening Dim(ft): 9999.00

Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

```

TABLE

```

Name: C_Over                    From Node: C_up
Group: BASE                     To Node: C_dn
Flow: Both                     Count: 1
Type: Vertical: Fread          Geometry: Trapezoidal

Bottom Width(ft): 10.00
Left Side Slope(h/v): 40.00
Right Side Slope(h/v): 40.00
Invert(ft): 27.000
Control Elevation(ft): 27.000
Struct Opening Dim(ft): 9999.00

Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

```

TABLE

```

Name: G_Over                    From Node: G_up
Group: BASE                     To Node: G_dn
Flow: Both                     Count: 1
Type: Vertical: Fread          Geometry: Trapezoidal

Bottom Width(ft): 10.00
Left Side Slope(h/v): 40.00
Right Side Slope(h/v): 40.00
Invert(ft): 28.500
Control Elevation(ft): 28.500
Struct Opening Dim(ft): 9999.00

Bottom Clip(ft): 0.000
Top Clip(ft): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

```

TABLE

-----  
Name: H\_Over                      From Node: H  
Group: BASE                        To Node: I  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond B\_Over                 From Node: Pond B  
Group: BASE                        To Node: H  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 50.00  
Left Side Slope(h/v): 50.00  
Right Side Slope(h/v): 50.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond C\_Over                 From Node: Pond C  
Group: BASE                        To Node: F  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
    Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond\_A\_Over                 From Node: Pond A  
Group: BASE                        To Node: Pond C  
Flow: Both                         Count: 1  
Type: Vertical: Fread             Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 20.00  
Right Side Slope(h/v): 20.00  
    Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
==== Hydrology Simulations =====  
=====

Name: 002-yr

---

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\002-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 010-yr

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\010-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 6.70

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 025-yr

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\025-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 7.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 050-yr

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\050-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 100-yr

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\100-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)	Print Inc(min)
48.000	5.00

Name: OCT-2015

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\OCT-2015.R32

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)	Print Inc(min)
120.000	5.00

Name: OCT-2016

Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)	Print Inc(min)
48.000	5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                    Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\002-yr.I32

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                Boundary Flows: 002-year

Time(hrs)                    Print Inc(min)  
-----  
9999.000                    15.000

Group                    Run  
-----  
BASE                    Yes

-----  
Name: 010-yr                    Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\010-yr.I32

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                Boundary Flows: 010-year

Time(hrs)                    Print Inc(min)  
-----  
9999.000                    5.000

Group                    Run  
-----  
BASE                    Yes

-----  
Name: 025-yr                    Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\025-yr.I32

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                Boundary Flows: 025-year

Time(hrs)                    Print Inc(min)  
-----  
9999.000                    15.000

Group                    Run  
-----  
BASE                    Yes

-----  
Name: 050-yr                    Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\050-yr.I32

Execute: Yes                    Restart: No                    Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                    End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year                Boundary Flows: 050-year



Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000

Group          Run  
-----  
BASE          Yes

-----  
Name: 100-yr                      Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\100-yr.I32

Execute: Yes              Restart: No              Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                  Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year                  Boundary Flows: 100-year

Time(hrs)      Print Inc(min)  
-----  
9999.000      15.000

Group          Run  
-----  
BASE          Yes

-----  
Name: OCT-2015                      Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\OCT-2015.I32

Execute: Yes              Restart: No              Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 144.00  
Min Calc Time(sec): 0.5000                  Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2015                  Boundary Flows: OCT-2015

Time(hrs)      Print Inc(min)  
-----  
999.000      15.000

Group          Run  
-----  
BASE          Yes

-----  
Name: OCT-2016                      Hydrology Sim: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2B\OCT-2016.I32

Execute: Yes              Restart: No              Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                  Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2016                  Boundary Flows: OCT-2016

Time(hrs)      Print Inc(min)  
-----  
999.000      15.000

Group          Run  
-----  
BASE          Yes

=====  
==== Boundary Conditions =====  
=====

Highway 9  
 Alternative 2B - Input Report

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Name: 010-year	Node: HWY57_N	Type: Flow
Time(hrs)	Flow(cfs)	
0.000	0.000	
0.250	0.000	
0.500	0.000	
0.750	0.000	
1.000	0.000	
1.250	0.000	
1.500	0.000	
1.750	0.000	
2.000	0.000	
2.250	0.000	
2.500	0.000	
2.750	0.000	
3.000	0.000	
3.250	0.000	
3.500	0.000	
3.750	0.000	
4.000	0.000	
4.250	0.000	
4.500	0.000	
4.750	0.000	
5.000	0.000	
5.250	0.000	
5.500	0.000	
5.750	0.000	
6.000	0.000	
6.250	0.000	
6.500	0.000	
6.750	0.000	
7.000	0.000	
7.250	0.000	
7.500	0.000	
7.750	0.000	
8.000	0.000	
8.250	0.000	
8.500	0.000	
8.750	0.000	
9.000	0.000	
9.250	0.000	
9.500	0.000	
9.750	0.000	
10.000	0.000	
10.250	0.000	
10.500	0.000	
10.750	0.210	
11.000	0.470	
11.250	1.180	
11.500	2.010	
11.750	2.700	
12.000	2.610	
12.250	5.970	
12.500	21.360	
12.750	38.300	
13.000	45.910	
13.250	49.840	
13.500	90.500	
13.750	107.600	
14.000	113.250	
14.250	118.420	
14.500	124.390	
14.750	131.110	
15.000	137.980	
15.250	144.120	
15.500	149.400	
15.750	153.610	
16.000	156.900	
16.250	159.590	
16.500	161.740	
16.750	163.220	
17.000	164.250	
17.250	164.700	
17.500	164.520	
17.750	163.810	
18.000	162.740	
18.250	161.510	
18.500	159.990	
18.750	158.170	
19.000	156.080	
19.250	153.940	
19.500	151.700	
19.750	149.250	
20.000	146.790	
20.250	144.250	
20.500	141.700	
20.750	139.090	

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Highway 9  
Alternative 2B - Input Report

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21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880

Highway 9  
Alternative 2B - Input Report

---

43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180

Highway 9  
Alternative 2B - Input Report

---

65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620

Highway 9  
Alternative 2B - Input Report

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13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140

Highway 9  
Alternative 2B - Input Report

---

35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170

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57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

-----  
 Name: 050-year

Node: HWY57\_N

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000



Highway 9  
Alternative 2B - Input Report

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5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170
15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680

Highway 9  
Alternative 2B - Input Report

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27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980

49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160

Highway 9  
Alternative 2B - Input Report

71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850

Highway 9  
Alternative 2B - Input Report

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19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390

41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780

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63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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 Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970

Highway 9  
Alternative 2B - Input Report

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11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630



33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230

Highway 9  
Alternative 2B - Input Report

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55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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Name: 025-year

Node: HWY57\_S

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000

Highway 9  
Alternative 2B - Input Report

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4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980
14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650

Highway 9  
Alternative 2B - Input Report

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26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830

48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500

Highway 9  
 Alternative 2B - Input Report

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70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

-----  
 Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)                      Flow(cfs)  
 -----

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370

Highway 9  
Alternative 2B - Input Report

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18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250

40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450



Highway 9  
 Alternative 2B - Input Report

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62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

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 Name: 100-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290
7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970

Highway 9  
Alternative 2B - Input Report

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10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640

Highway 9  
Alternative 2B - Input Report

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32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780

Highway 9  
 Alternative 2B - Input Report

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54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

-----  
 Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000

Highway 9  
Alternative 2B - Input Report

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2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690

Highway 9  
Alternative 2B - Input Report

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24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980

46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070

Highway 9  
 Alternative 2B - Input Report

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68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

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 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410



16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180

38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730

Highway 9  
Alternative 2B - Input Report

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60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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Name: OCT-2016

Node: HWY57\_N

Type: Flow

Time(hrs)      Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970

Highway 9  
Alternative 2B - Input Report

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9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850

Highway 9  
Alternative 2B - Input Report

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31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910

Highway 9  
Alternative 2B - Input Report

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53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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Name: OCT-2016                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000

Highway 9  
Alternative 2B - Input Report

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1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640
6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780
10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550
11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630
16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840
18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930

Highway 9  
Alternative 2B - Input Report

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23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780



45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500

Highway 9  
 Alternative 2B - Input Report

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67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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 Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000

Highway 9  
Alternative 2B - Input Report

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15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150

Highway 9  
Alternative 2B - Input Report

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37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990

Highway 9  
Alternative 2B - Input Report

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59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050

Highway 9  
Alternative 2B - Input Report

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81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450

103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940

Highway 9  
 Alternative 2B - Input Report

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125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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 Name: OCT-2015

Node: HWY57\_S

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000



1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000

Highway 9  
Alternative 2B - Input Report

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23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080

Highway 9  
Alternative 2B - Input Report

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45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320

Highway 9  
Alternative 2B - Input Report

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67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310

Highway 9  
Alternative 2B - Input Report

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89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490

111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880

Highway 9  
Alternative 2B - Input Report

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133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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Name: 002-year

Node: BNDRY

Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001
7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048

Highway 9  
Alternative 2B - Input Report

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10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105
14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745
19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765



Highway 9  
Alternative 2B - Input Report

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32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164

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54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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 Name: 010-year

Node: BNDRY

Type: Stage

Time(hrs)

Stage(ft)

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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000

Highway 9  
Alternative 2B - Input Report

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2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774

Highway 9  
Alternative 2B - Input Report

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24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421

46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176

Highway 9  
 Alternative 2B - Input Report

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68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

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 Name: 025-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485

16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790

38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285



Highway 9  
 Alternative 2B - Input Report

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60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186

Highway 9  
Alternative 2B - Input Report

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8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409

30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376

Highway 9  
 Alternative 2B - Input Report

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52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

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 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000

1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370

Highway 9  
Alternative 2B - Input Report

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23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489

45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245

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67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000
12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000



Highway 9  
Alternative 2B - Input Report

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15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691

37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178

59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112

Highway 9  
Alternative 2B - Input Report

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81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110

Highway 9  
Alternative 2B - Input Report

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103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728

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125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

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 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000

1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616
6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873
11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623
12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341
16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309
18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793

Highway 9  
Alternative 2B - Input Report

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23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226



Highway 9  
Alternative 2B - Input Report

---

45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485
64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440

Highway 9  
Alternative 2B - Input Report

---

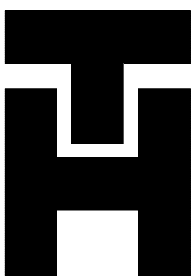
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386

**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 2C**

**J – 26146.0000**

Prepared by:



**THOMAS & HUTTON**

Savannah, GA | Charleston, SC | Myrtle Beach, SC | Brunswick, GA | Wilmington, NC

=====  
Basins  
=====

Name: A Node: A\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00  
Area(ac): 13.040 Time Shift(hrs): 0.00  
Curve Number: 78.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: B Node: B\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 50.00  
Area(ac): 12.560 Time Shift(hrs): 0.00  
Curve Number: 85.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: C Node: C\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 72.00  
Area(ac): 24.120 Time Shift(hrs): 0.00  
Curve Number: 80.60 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: D Node: D Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00  
Area(ac): 22.090 Time Shift(hrs): 0.00  
Curve Number: 91.60 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: E Node: E Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 57.00  
Area(ac): 40.070 Time Shift(hrs): 0.00  
Curve Number: 84.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: F Node: F Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 43.00  
Area(ac): 10.150 Time Shift(hrs): 0.00  
Curve Number: 76.80 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: G Node: G\_up Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00

---

Rainfall Amount(in): 0.000                      Time of Conc(min): 25.00  
Area(ac): 3.210                                  Time Shift(hrs): 0.00  
Curve Number: 83.00                            Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: H    Node: H    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 54.00  
Area(ac): 8.140    Time Shift(hrs): 0.00  
Curve Number: 82.80     Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: I    Node: J    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 69.00  
Area(ac): 8.230    Time Shift(hrs): 0.00  
Curve Number: 78.70     Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: J    Node: J    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 45.00  
Area(ac): 12.030    Time Shift(hrs): 0.00  
Curve Number: 77.00     Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: K    Node: K    Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 31.00  
Area(ac): 27.010    Time Shift(hrs): 0.00  
Curve Number: 77.80     Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond A                                        Node: Pond A                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 29.00  
Area(ac): 9.570    Time Shift(hrs): 0.00  
Curve Number: 83.40     Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond B                                        Node: Pond B                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323    Peaking Factor: 323.0  
Rainfall File: Scsiii    Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000     Time of Conc(min): 22.00  
Area(ac): 16.260    Time Shift(hrs): 0.00  
Curve Number: 82.00     Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: Pond C                                        Node: Pond C                                        Status: Onsite  
Group: BASE                                        Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 10.020  
Curve Number: 80.40  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 35.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

Name: X1  
Group: BASE  
Node: A\_dn  
Type: SCS Unit Hydrograph CN  
Status: Onsite

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 5.940  
Curve Number: 89.70  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 45.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

Name: X2  
Group: BASE  
Node: X2  
Type: SCS Unit Hydrograph CN  
Status: Onsite

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 11.470  
Curve Number: 88.70  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 22.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

Name: X3  
Group: BASE  
Node: X3  
Type: SCS Unit Hydrograph CN  
Status: Onsite

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 13.300  
Curve Number: 91.00  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 22.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

Name: X4  
Group: BASE  
Node: X3  
Type: SCS Unit Hydrograph CN  
Status: Onsite

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 66.070  
Curve Number: 88.40  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 53.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

Name: X5  
Group: BASE  
Node: X5  
Type: SCS Unit Hydrograph CN  
Status: Onsite

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 10.610  
Curve Number: 77.50  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 9.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

Name: X6  
Group: BASE  
Node: X6  
Type: SCS Unit Hydrograph CN  
Status: Onsite

Unit Hydrograph: Uh323  
Rainfall File: Scsiii  
Rainfall Amount(in): 0.000  
Area(ac): 21.360  
Curve Number: 79.90  
DCIA(%): 0.00  
Peaking Factor: 323.0  
Storm Duration(hrs): 24.00  
Time of Conc(min): 12.00  
Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

---

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: Alt1                    Base Flow(cfs): 0.000       Init Stage(ft): 18.800
Group: BASE                   Warn Stage(ft): 25.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

Name: B\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 20.800  
 Group: BASE                      Warn Stage(ft): 24.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: B\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.200  
 Group: BASE                      Warn Stage(ft): 24.200  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: BNDRY                      Base Flow(cfs): 0.000                      Init Stage(ft): 16.000  
 Group: BASE                      Warn Stage(ft): 23.000  
 Type: Time/Stage

Time(hrs)                      Stage(ft)  
 -----  
                     0.00                      16.000  
                     999.00                      16.000

Name: BNDRY\_Off                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.280  
 Group: BASE                      Warn Stage(ft): 27.210  
 Type: Time/Stage

Time(hrs)                      Stage(ft)  
 -----  
                     0.00                      23.280  
                     999.00                      23.280

Name: C\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: C\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.450  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
                     23.450                      0.0000  
                     27.000                      2.0000

Name: D                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.800  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E                      Base Flow(cfs): 0.000                      Init Stage(ft): 20.200  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
                     20.200                      0.0000  
                     27.000                      0.0100



Name: E1                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E2                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
 Group: BASE                      Warn Stage(ft): 30.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E3                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.500  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E4                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.070  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F1                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.700  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: G\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.430  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

24.430                      0.0000  
 27.000                      0.0100

Name: G\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.000  
 Group: BASE                      Warn Stage(ft): 27.660  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

25.000                      0.0000  
 28.000                      0.0100

Name: H                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.810  
 Group: BASE                      Warn Stage(ft): 27.590

Type: Stage/Area

Stage(ft)	Area(ac)
21.810	0.0010
27.590	0.0010

---

Name: HWY57_N	Base Flow(cfs): 0.000	Init Stage(ft): 25.760
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: HWY57_S	Base Flow(cfs): 0.000	Init Stage(ft): 24.200
Group: BASE		Warn Stage(ft): 32.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: I	Base Flow(cfs): 0.000	Init Stage(ft): 20.750
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: J	Base Flow(cfs): 0.000	Init Stage(ft): 22.500
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: J1	Base Flow(cfs): 0.000	Init Stage(ft): 23.500
Group: BASE		Warn Stage(ft): 29.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: JB	Base Flow(cfs): 0.000	Init Stage(ft): 24.130
Group: BASE		Warn Stage(ft): 27.210
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: K	Base Flow(cfs): 0.000	Init Stage(ft): 25.000
Group: BASE		Warn Stage(ft): 30.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Name: Pond A	Base Flow(cfs): 0.000	Init Stage(ft): 23.550
Group: BASE		Warn Stage(ft): 27.000
Type: Stage/Area		

---

Stage(ft)	Area(ac)
-----------	----------

---

Highway 9  
Alternative 2C - Input Report

23.390	0.4100
27.000	0.8000

```

-----
Name: Pond B           Base Flow(cfs): 0.000         Init Stage(ft): 24.620
Group: BASE           Warn Stage(ft): 29.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)
24.620	1.8100
29.000	2.0000

```

-----
Name: Pond C           Base Flow(cfs): 0.000         Init Stage(ft): 23.550
Group: BASE           Warn Stage(ft): 28.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)
23.550	0.4000
28.000	0.4500

```

-----
Name: X2               Base Flow(cfs): 0.000         Init Stage(ft): 18.500
Group: BASE           Warn Stage(ft): 25.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)

```

-----
Name: X3               Base Flow(cfs): 0.000         Init Stage(ft): 18.000
Group: BASE           Warn Stage(ft): 25.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)

```

-----
Name: X5               Base Flow(cfs): 0.000         Init Stage(ft): 22.000
Group: BASE           Warn Stage(ft): 25.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)
22.000	1.0500
25.000	1.9000

```

-----
Name: X6               Base Flow(cfs): 0.000         Init Stage(ft): 21.000
Group: BASE           Warn Stage(ft): 23.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)
21.000	3.9800
23.000	5.5000

```

-----
Name: X7               Base Flow(cfs): 0.000         Init Stage(ft): 17.000
Group: BASE           Warn Stage(ft): 23.000
Type: Stage/Area
  
```

Stage(ft)	Area(ac)

```

=====
=== Cross Sections =====
=====
  
```

```

Name: 0               Group: BASE
Encroachment: No
  
```

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.000000
4.989	27.848	0.000000
9.978	27.742	0.000000
14.967	27.664	0.000000
19.956	27.618	0.000000
24.946	27.546	0.000000
29.935	27.485	0.000000
34.924	27.440	0.000000
39.913	27.395	0.000000
44.902	27.334	0.000000
49.891	27.294	0.000000
54.880	27.278	0.000000
59.869	27.285	0.000000
64.858	27.227	0.000000
69.848	27.132	0.000000
74.837	27.021	0.000000
79.826	26.941	0.000000
84.815	26.947	0.000000
89.804	26.838	0.000000
94.793	26.786	0.000000
99.782	26.781	0.000000
104.771	26.676	0.000000
109.760	26.597	0.000000
114.749	26.482	0.000000
119.739	26.294	0.000000
124.728	26.015	0.000000
129.717	25.807	0.000000
134.706	25.688	0.000000
139.695	25.666	0.000000
144.684	25.646	0.000000
149.673	25.455	0.000000
154.662	25.317	0.000000
159.651	25.305	0.000000
164.641	25.184	0.000000
169.630	25.118	0.000000
174.619	25.009	0.000000
179.608	25.019	0.000000
184.597	24.845	0.000000
189.586	24.775	0.000000
194.575	24.656	0.000000
199.564	24.564	0.000000
204.553	24.399	0.000000
209.543	24.423	0.000000
214.532	24.552	0.000000
219.521	24.569	0.000000
224.510	24.506	0.000000
229.499	24.299	0.000000
234.488	24.202	0.000000
239.477	24.133	0.000000
244.466	23.965	0.000000
249.455	24.004	0.000000
254.445	23.995	0.000000
259.434	23.927	0.000000
264.423	23.757	0.000000
269.412	23.692	0.000000
274.401	23.723	0.000000
279.390	23.716	0.000000
284.379	23.718	0.000000
289.368	23.667	0.000000
294.357	23.482	0.000000
299.346	23.291	0.000000
304.336	23.284	0.000000
309.325	23.308	0.000000
314.314	23.367	0.000000
319.303	23.453	0.000000
324.292	23.441	0.000000
329.281	23.437	0.000000
334.270	23.334	0.000000
339.259	23.344	0.000000
344.248	23.552	0.000000
349.238	23.673	0.000000
354.227	23.561	0.000000
359.216	23.401	0.000000
364.205	23.465	0.000000
369.194	23.459	0.000000
374.183	23.468	0.000000
379.172	23.439	0.000000
384.161	23.368	0.000000
389.150	23.357	0.000000
394.140	23.329	0.000000
399.129	23.386	0.000000
404.118	23.269	0.000000
409.107	23.250	0.000000
414.096	23.048	0.000000

419.085	23.404	0.000000
424.035	23.719	0.000000
428.984	23.699	0.000000
433.934	23.635	0.000000
438.883	23.831	0.000000
443.833	23.773	0.000000
448.782	23.687	0.000000
453.732	23.670	0.000000
458.681	23.644	0.000000
463.577	23.500	0.000000
466.686	19.000	0.000000
471.453	18.000	0.000000
476.327	19.100	0.000000
481.835	22.600	0.000000
488.379	22.690	0.000000
493.328	22.970	0.000000
498.278	23.051	0.000000
503.227	23.213	0.000000
508.177	23.369	0.000000
513.126	23.248	0.000000
518.076	22.896	0.000000
523.026	22.914	0.000000
527.975	23.366	0.000000
532.925	23.746	0.000000
537.874	23.983	0.000000
542.824	24.148	0.000000
547.773	24.249	0.000000
552.723	24.318	0.000000
557.694	24.398	0.000000
562.665	24.446	0.000000
567.636	24.415	0.000000
572.607	24.460	0.000000
577.578	24.609	0.000000
582.549	24.687	0.000000
587.520	24.775	0.000000
592.491	24.833	0.000000
597.462	24.897	0.000000
602.433	24.892	0.000000
607.405	24.926	0.000000
612.376	24.952	0.000000
617.347	24.996	0.000000
622.318	24.978	0.000000
627.289	25.031	0.000000
632.260	25.111	0.000000
637.231	25.162	0.000000
642.202	25.210	0.000000
647.173	25.259	0.000000
652.042	25.284	0.000000
656.912	25.391	0.000000
661.781	25.378	0.000000
666.650	25.393	0.000000
671.519	25.495	0.000000
676.389	25.514	0.000000
681.258	25.594	0.000000
686.127	25.668	0.000000
690.996	25.721	0.000000
695.866	25.762	0.000000
700.735	25.845	0.000000
705.604	25.898	0.000000
710.473	25.941	0.000000
715.343	25.980	0.000000
720.212	26.045	0.000000
725.081	26.084	0.000000
729.950	26.150	0.000000
734.820	26.262	0.000000
739.689	26.367	0.000000
744.558	26.403	0.000000
749.427	26.484	0.000000
754.296	26.525	0.000000
759.166	26.520	0.000000
764.041	26.596	0.000000
768.916	26.573	0.000000
773.791	26.604	0.000000
778.666	26.521	0.000000
783.542	26.453	0.000000
788.417	26.439	0.000000
793.292	26.512	0.000000
798.167	26.538	0.000000
803.042	26.559	0.000000
807.918	26.496	0.000000
812.793	26.436	0.000000
817.668	26.375	0.000000
822.543	26.431	0.000000
827.418	26.423	0.000000
832.293	26.384	0.000000
837.169	26.479	0.000000
842.044	26.492	0.000000
846.919	26.562	0.000000

Highway 9  
Alternative 2C - Input Report

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851.794	26.594	0.000000
856.669	26.584	0.000000
861.545	26.643	0.000000
866.420	26.768	0.000000
871.295	26.724	0.000000
876.170	26.712	0.000000
881.045	26.802	0.000000
885.920	26.793	0.000000

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Name: 0\_Mod  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000
329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000

354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
452.753	23.500	0.045000
463.953	18.000	0.045000
471.453	18.000	0.045000
478.953	18.000	0.045000
488.953	23.000	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000
764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000

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807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

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Name: 1\_Mod  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.000	0.045000
4.961	27.006	0.045000
9.921	27.011	0.045000
14.882	27.008	0.045000
19.843	26.959	0.045000
24.803	26.958	0.045000
29.764	27.000	0.045000
34.724	26.934	0.045000
39.685	26.907	0.045000
44.646	26.950	0.045000
49.606	27.033	0.045000
54.567	27.095	0.045000
59.528	27.209	0.045000
64.488	27.206	0.045000
69.449	27.213	0.045000
74.410	27.235	0.045000
79.370	27.256	0.045000
84.331	27.274	0.045000
89.291	27.096	0.045000
94.252	27.070	0.045000
99.213	27.061	0.045000
104.173	26.978	0.045000
109.134	26.854	0.045000
114.095	26.816	0.045000
119.055	26.779	0.045000
124.016	26.741	0.045000
128.976	26.684	0.045000
133.937	26.613	0.045000
138.898	26.499	0.045000
143.858	26.143	0.045000
148.819	25.691	0.045000
153.780	25.636	0.045000
158.740	25.648	0.045000
162.824	25.600	0.045000
177.624	18.200	0.045000
185.124	18.200	0.045000
192.624	18.200	0.045000
207.423	25.600	0.045000
210.137	25.749	0.045000
214.746	25.684	0.045000
219.724	25.471	0.045000
224.702	25.334	0.045000
229.680	25.320	0.045000
234.658	25.304	0.045000
239.636	25.435	0.045000
244.614	25.418	0.045000
249.592	25.470	0.045000
254.571	25.500	0.045000
259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000



329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000
398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

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Name: A1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000

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291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000

734.743            30.217            0.045000

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Name: Al\_Mod                                    Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000
222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000
291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.070	25.000	0.045000
326.070	20.000	0.045000
332.070	20.000	0.045000
338.070	20.000	0.045000
348.070	25.000	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000

Highway 9  
Alternative 2C - Input Report

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394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000
665.793	28.182	0.045000
670.718	28.151	0.045000
675.643	28.178	0.045000
680.568	28.238	0.045000
685.493	28.336	0.045000
690.418	28.336	0.045000
695.343	28.327	0.045000
700.268	28.265	0.045000
705.193	28.197	0.045000
710.118	28.504	0.045000
715.043	28.711	0.045000
719.968	29.063	0.045000
724.893	29.694	0.045000
729.818	30.134	0.045000
734.743	30.217	0.045000

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Name: A2  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000

Highway 9  
Alternative 2C - Input Report

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44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
159.333	25.161	0.045000
161.000	24.900	0.045000
169.572	20.200	0.045000
173.070	20.000	0.045000
178.344	20.300	0.045000
181.572	24.200	0.045000
183.710	24.841	0.045000
188.430	26.682	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000
294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000

472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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Name: A2\_Mod    Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	29.155	0.045000
4.979	29.262	0.045000
9.958	29.122	0.045000
14.937	29.049	0.045000
19.917	29.051	0.045000
24.896	29.023	0.045000
29.875	28.896	0.045000
34.854	28.711	0.045000
39.833	28.549	0.045000
44.812	28.361	0.045000
49.791	28.069	0.045000
54.771	27.710	0.045000
59.750	27.404	0.045000
64.729	27.095	0.045000
69.708	26.631	0.045000
74.687	26.354	0.045000
79.666	26.113	0.045000
84.645	25.779	0.045000
89.625	25.557	0.045000
94.604	25.376	0.045000
99.583	25.230	0.045000
104.562	25.195	0.045000
109.541	25.227	0.045000
114.520	25.191	0.045000
119.499	25.169	0.045000
124.479	25.297	0.045000
129.458	25.510	0.045000
134.437	25.583	0.045000
139.416	25.642	0.045000
144.395	25.733	0.045000
149.374	25.524	0.045000
154.353	25.258	0.045000
157.070	25.000	0.045000
167.070	20.000	0.045000
173.070	20.000	0.045000
179.070	20.000	0.045000
189.070	25.000	0.045000
193.151	27.512	0.045000
197.871	27.577	0.045000
202.591	27.504	0.045000
207.311	27.503	0.045000
212.031	27.534	0.045000
216.751	27.535	0.045000
221.471	27.535	0.045000
226.192	27.530	0.045000
231.060	27.527	0.045000
235.929	27.498	0.045000
240.797	27.580	0.045000
245.666	27.689	0.045000
250.535	27.699	0.045000
255.403	27.683	0.045000
260.272	27.661	0.045000
265.140	27.630	0.045000
270.009	27.598	0.045000
274.878	27.578	0.045000
279.746	27.546	0.045000
284.615	27.525	0.045000
289.483	27.451	0.045000

294.352	27.436	0.045000
299.221	27.526	0.045000
304.089	27.553	0.045000
308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

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Name: A3  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000

Highway 9  
Alternative 2C - Input Report

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109.531	23.779	0.045000
114.432	25.375	0.045000
119.333	26.454	0.045000
124.234	27.037	0.045000
129.135	27.468	0.045000
134.036	27.733	0.045000
138.936	27.814	0.045000
143.837	27.884	0.045000
148.738	28.063	0.045000
153.639	28.120	0.045000
158.540	28.243	0.045000
163.441	28.315	0.045000
168.341	28.228	0.045000
173.242	28.248	0.045000
176.925	28.277	0.045000

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Name: A\_up\_Mod                                   Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	29.017	0.045000
4.924	29.029	0.045000
9.848	28.839	0.045000
14.772	28.220	0.045000
19.696	26.684	0.045000
24.621	25.496	0.045000
29.545	25.564	0.045000
34.469	25.861	0.045000
39.393	26.303	0.045000
44.317	26.704	0.045000
49.241	26.362	0.045000
52.107	25.000	0.045000
65.907	18.100	0.045000
71.907	18.100	0.045000
77.907	18.100	0.045000
91.707	25.000	0.045000
94.073	25.926	0.045000
99.071	25.831	0.045000
104.063	25.674	0.045000
109.056	25.666	0.045000
114.048	25.399	0.045000
119.041	24.940	0.045000
124.033	24.747	0.045000
129.026	24.447	0.045000
134.018	24.293	0.045000
139.011	24.581	0.045000
144.003	24.952	0.045000
148.996	24.712	0.045000
153.988	24.536	0.045000
158.981	24.550	0.045000
163.973	24.588	0.045000
168.966	24.667	0.045000
173.958	24.784	0.045000
178.950	25.133	0.045000
183.943	25.568	0.045000
188.935	25.725	0.045000
193.928	25.736	0.045000
198.920	25.806	0.045000
203.913	25.852	0.045000
208.905	25.838	0.045000
213.898	25.968	0.045000
218.890	26.075	0.045000
223.883	25.996	0.045000

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Name: E   Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	46.837	0.045000
4.945	47.344	0.045000
9.890	49.574	0.045000
14.835	47.989	0.045000
19.780	43.436	0.045000
24.725	38.399	0.045000
29.670	33.765	0.045000
34.615	31.163	0.045000
39.560	29.728	0.045000
44.504	28.299	0.045000
49.449	27.202	0.045000
54.394	26.965	0.045000



59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

Name: El  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000
84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000

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243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

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Name: E2  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000
87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000
156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000
224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000

249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000

Highway 9  
Alternative 2C - Input Report

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163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000
436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

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Name: E4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000
253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000

412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000
685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000

Highway 9  
Alternative 2C - Input Report

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850.142 31.756 0.045000  
855.126 31.757 0.045000

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Name: F Group: BASE  
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000
217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000
286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000
356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000

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380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

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 Name: F1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000
69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000
208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000



Highway 9  
Alternative 2C - Input Report

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233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000
498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000
636.840	29.030	0.045000

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Name: HWY 57 N  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000
246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000

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400.219	29.992	0.045000
405.128	29.991	0.045000
410.037	29.856	0.045000
414.945	30.024	0.045000
419.854	30.198	0.045000
424.763	30.308	0.045000
429.672	30.294	0.045000
434.580	30.363	0.045000
439.489	30.361	0.045000
444.398	30.383	0.045000
449.306	30.397	0.045000
454.215	30.411	0.045000
459.124	30.559	0.045000
464.033	30.690	0.045000
468.941	30.758	0.045000
473.850	30.569	0.045000
478.759	30.381	0.045000
483.668	30.301	0.045000
488.576	30.229	0.045000
493.485	30.251	0.045000
498.394	30.263	0.045000
503.302	30.173	0.045000
508.211	30.196	0.045000
513.120	30.353	0.045000
518.029	30.687	0.045000
522.937	30.950	0.045000
527.846	31.172	0.045000
532.755	31.238	0.045000
537.663	31.248	0.045000

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Name: HWY 57 S    Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
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0.000	33.676	0.045000
4.866	33.611	0.045000
9.732	33.525	0.045000
14.598	33.496	0.045000
19.464	33.513	0.045000
24.330	33.530	0.045000
29.196	33.545	0.045000
34.062	33.564	0.045000
38.928	33.578	0.045000
43.794	33.588	0.045000
48.660	33.602	0.045000
53.526	33.609	0.045000
58.392	33.618	0.045000
63.259	33.604	0.045000
68.125	33.303	0.045000
72.991	32.737	0.045000
77.857	32.140	0.045000
82.723	31.628	0.045000
90.000	31.500	0.045000
103.831	30.900	0.045000
109.264	27.400	0.045000
112.984	21.700	0.045000
116.540	21.100	0.045000
121.076	22.000	0.045000
124.320	28.300	0.045000
131.291	28.887	0.045000
136.147	29.394	0.045000
141.002	29.615	0.045000
145.905	29.791	0.045000
150.808	30.039	0.045000
155.711	30.349	0.045000
160.614	30.358	0.045000
165.517	30.355	0.045000
170.420	30.479	0.045000
175.323	30.668	0.045000
180.226	30.852	0.045000
185.129	30.951	0.045000
190.032	31.105	0.045000
194.935	31.187	0.045000
199.838	31.134	0.045000
204.741	31.153	0.045000
209.644	31.331	0.045000
214.547	31.538	0.045000
219.450	31.562	0.045000
224.353	31.615	0.045000
229.256	31.647	0.045000
234.159	31.539	0.045000
239.062	31.514	0.045000
243.965	31.567	0.045000
248.868	31.640	0.045000



53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000
321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000

Highway 9  
Alternative 2C - Input Report

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481.687	28.900	0.045000
486.594	28.850	0.045000
491.501	28.858	0.045000
496.408	28.871	0.045000

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Name: J1  
Encroachment: No

Group: BASE

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Station(ft)	Elevation(ft)	Manning's N
0.000	29.299	0.045000
4.997	29.237	0.045000
9.995	29.271	0.045000
14.992	29.289	0.045000
19.989	29.289	0.045000
24.987	29.297	0.045000
29.984	29.224	0.045000
34.981	29.244	0.045000
39.979	29.223	0.045000
44.976	29.127	0.045000
49.973	29.000	0.045000
54.971	29.100	0.045000
59.968	29.218	0.045000
64.965	29.288	0.045000
69.963	29.354	0.045000
74.960	29.317	0.045000
79.957	29.182	0.045000
84.955	29.174	0.045000
89.952	29.307	0.045000
94.949	29.101	0.045000
99.947	28.984	0.045000
104.944	28.942	0.045000
109.941	28.963	0.045000
114.939	28.967	0.045000
119.936	28.782	0.045000
124.933	28.631	0.045000
129.931	28.796	0.045000
134.928	28.943	0.045000
139.925	28.929	0.045000
144.923	28.865	0.045000
149.920	28.922	0.045000
154.912	28.884	0.045000
159.903	28.805	0.045000
164.895	28.854	0.045000
169.886	28.746	0.045000
174.878	28.696	0.045000
179.870	28.726	0.045000
184.861	28.740	0.045000
189.853	28.727	0.045000
194.844	28.611	0.045000
199.836	28.460	0.045000
204.828	28.243	0.045000
209.819	28.210	0.045000
214.811	28.450	0.045000
219.802	28.627	0.045000
224.794	28.493	0.045000
229.785	28.451	0.045000
234.777	28.479	0.045000
239.769	28.538	0.045000
244.760	28.674	0.045000
249.752	28.605	0.045000
254.743	28.529	0.045000
259.735	28.622	0.045000
264.727	28.580	0.045000
269.718	28.583	0.045000
274.710	28.489	0.045000
279.701	28.668	0.045000
284.693	28.713	0.045000
289.685	28.544	0.045000
294.676	28.531	0.045000
299.668	28.538	0.045000
304.659	28.695	0.045000
309.651	28.900	0.045000
314.643	28.920	0.045000
319.634	28.912	0.045000
324.626	28.790	0.045000
329.617	28.792	0.045000
334.609	28.740	0.045000
339.601	28.532	0.045000
344.592	28.316	0.045000
349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000

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374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000
641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000

806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

Name: K  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000
208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000
277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000
346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000



371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000
669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000

Highway 9  
Alternative 2C - Input Report

833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000
1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000
14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000

39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000
312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000

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475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000
746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000



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196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000
471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000
606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000

631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

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 Name: X8  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000
122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000

146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000
417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000



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581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000
852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000
990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000



Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: G	From Node: G_up	Length(ft): 115.00
Group: BASE	To Node: G_dn	Count: 1
	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Friction Equation: Automatic
Span(in): 18.00	18.00	Solution Algorithm: Most Restrictive
Rise(in): 18.00	18.00	Flow: Both
Invert(ft): 25.000	24.430	Entrance Loss Coef: 0.50
Manning's N: 0.040000	0.040000	Exit Loss Coef: 0.50
Top Clip(in): 0.000	0.000	Bend Loss Coef: 0.00
Bot Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: H-I	From Node: H	Length(ft): 170.00
Group: BASE	To Node: I	Count: 1
	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Friction Equation: Automatic
Span(in): 36.00	36.00	Solution Algorithm: Most Restrictive
Rise(in): 36.00	36.00	Flow: Both
Invert(ft): 21.810	20.750	Entrance Loss Coef: 0.50
Manning's N: 0.013000	0.013000	Exit Loss Coef: 0.50
Top Clip(in): 0.000	0.000	Bend Loss Coef: 0.00
Bot Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: JB-Out	From Node: JB	Length(ft): 263.00
Group: BASE	To Node: BNDRY_Off	Count: 1
	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Friction Equation: Automatic
Span(in): 30.00	30.00	Solution Algorithm: Most Restrictive
Rise(in): 30.00	30.00	Flow: Both
Invert(ft): 24.130	23.280	Entrance Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Exit Loss Coef: 1.00
Top Clip(in): 0.000	0.000	Bend Loss Coef: 0.00
Bot Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: Pond C	From Node: C_up	Length(ft): 90.00
Group: BASE	To Node: C_dn	Count: 1
	UPSTREAM	DOWNSTREAM
Geometry: Circular	Circular	Friction Equation: Automatic
Span(in): 36.00	36.00	Solution Algorithm: Most Restrictive
Rise(in): 36.00	36.00	Flow: Both
Invert(ft): 23.450	23.000	Entrance Loss Coef: 0.20
Manning's N: 0.013000	0.013000	Exit Loss Coef: 0.50
Top Clip(in): 0.000	0.000	Bend Loss Coef: 0.00
Bot Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

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 Channels  
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Name: A-Alt1	From Node: A_dn	Length(ft): 300.00
Group: BASE	To Node: Alt1	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.600	18.800	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: 1_Mod	0_Mod	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: A1	From Node: A1	Length(ft): 244.00
Group: BASE	To Node: A_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A1_Mod	A_up_Mod	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: A2	From Node: A2	Length(ft): 375.00
Group: BASE	To Node: A1	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A2_Mod	A1_Mod	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: A3	From Node: A3	Length(ft): 170.00
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Group: BASE	To Node: A2	Count: 1
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UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.100	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A3	A2_Mod	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: Alt1-X3	From Node: Alt1	Length(ft): 316.00
Group: BASE	To Node: X3	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 18.800	18.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: 0	0	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: B-A	From Node: B_dn	Length(ft): 346.00
Group: BASE	To Node: A_up	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 20.800	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 2.00	2.00	
RtSdSlp(h/v): 2.00	2.00	

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Name: C-B	From Node: C_dn	Length(ft): 846.00
Group: BASE	To Node: B_up	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 23.000	21.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		

Bot Width(ft): 4.000            4.000  
 LtSdSlp(h/v): 2.00            2.00  
 RtSdSlp(h/v): 2.00            2.00

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Name: D-E                            From Node: D                            Length(ft): 236.00
Group: BASE                            To Node: E                            Count: 1

          UPSTREAM                    DOWNSTREAM                            Friction Equation: Automatic
Geometry: Trapezoidal                Trapezoidal                            Solution Algorithm: Automatic
  Invert(ft): 22.800                 20.200                                Flow: Both
TClpInitZ(ft): 9999.000              9999.000                              Contraction Coef: 0.100
Manning's N: 0.035000                0.035000                              Expansion Coef: 0.300
Top Clip(ft): 0.000                   0.000                                Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000                   0.000                                Exit Loss Coef: 0.000
Main XSec:                            Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):                         Inlet Ctrl Spec: Use dc
Aux XSec1:                             Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000                 6.000
LtSdSlp(h/v): 2.00                   2.00
RtSdSlp(h/v): 2.00                   2.00
  
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Name: E                                From Node: E                            Length(ft): 97.00
Group: BASE                            To Node: A3                            Count: 1

          UPSTREAM                    DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular                   Irregular                              Solution Algorithm: Automatic
  Invert(ft): 20.200                 20.100                                Flow: Both
TClpInitZ(ft): 9999.000              9999.000                              Contraction Coef: 0.100
Manning's N:                           Expansion Coef: 0.300
Top Clip(ft):                         Entrance Loss Coef: 0.000
Bot Clip(ft):                         Exit Loss Coef: 0.000
Main XSec: E                           A3                                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000                   0.000                                Inlet Ctrl Spec: Use dc
Aux XSec1:                             Stabilizer Option: None
AuxElev2(ft): 0.000                   0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
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Name: E1                                From Node: E1                            Length(ft): 354.00
Group: BASE                            To Node: E                            Count: 1

          UPSTREAM                    DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular                   Irregular                              Solution Algorithm: Automatic
  Invert(ft): 21.000                 20.200                                Flow: Both
TClpInitZ(ft): 9999.000              9999.000                              Contraction Coef: 0.100
Manning's N:                           Expansion Coef: 0.300
Top Clip(ft):                         Entrance Loss Coef: 0.000
Bot Clip(ft):                         Exit Loss Coef: 0.000
Main XSec: E1                         E                                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000                   0.000                                Inlet Ctrl Spec: Use dc
Aux XSec1:                             Stabilizer Option: None
AuxElev2(ft): 0.000                   0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
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Name: E2                                From Node: E2                            Length(ft): 350.00
Group: BASE                            To Node: E1                            Count: 1

          UPSTREAM                    DOWNSTREAM                            Friction Equation: Automatic
Geometry: Irregular                   Irregular                              Solution Algorithm: Automatic
  Invert(ft): 21.500                 21.000                                Flow: Both
TClpInitZ(ft): 9999.000              9999.000                              Contraction Coef: 0.100
Manning's N:                           Expansion Coef: 0.300
Top Clip(ft):                         Entrance Loss Coef: 0.000
  
```

Bot Clip(ft):  
Main XSec: E2 E1  
AuxElev1(ft): 0.000 0.000  
Aux XSec1:  
AuxElev2(ft): 0.000 0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

Exit Loss Coef: 0.000  
Outlet Ctrl Spec: Use dc or tw  
Inlet Ctrl Spec: Use dc  
Stabilizer Option: None

-----  
Name: E3                      From Node: E3                      Length(ft): 500.00  
Group: BASE                      To Node: E2                      Count: 1

                    UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic  
Geometry: Irregular                      Irregular                      Solution Algorithm: Automatic  
Invert(ft): 22.500                      21.500                      Flow: Both  
TClpInitZ(ft): 9999.000                      9999.000                      Contraction Coef: 0.100  
Manning's N:                      Expansion Coef: 0.300  
Top Clip(ft):                      Entrance Loss Coef: 0.000  
Bot Clip(ft):                      Exit Loss Coef: 0.000  
Main XSec: E3                      E2                      Outlet Ctrl Spec: Use dc or tw  
AuxElev1(ft): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
Aux XSec1:                      Stabilizer Option: None  
AuxElev2(ft): 0.000                      0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

-----  
Name: E4                      From Node: E4                      Length(ft): 255.00  
Group: BASE                      To Node: E3                      Count: 1

                    UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic  
Geometry: Irregular                      Irregular                      Solution Algorithm: Automatic  
Invert(ft): 23.000                      22.500                      Flow: Both  
TClpInitZ(ft): 9999.000                      9999.000                      Contraction Coef: 0.100  
Manning's N:                      Expansion Coef: 0.300  
Top Clip(ft):                      Entrance Loss Coef: 0.000  
Bot Clip(ft):                      Exit Loss Coef: 0.000  
Main XSec: E4                      E3                      Outlet Ctrl Spec: Use dc or tw  
AuxElev1(ft): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
Aux XSec1:                      Stabilizer Option: None  
AuxElev2(ft): 0.000                      0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

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Name: E5                      From Node: HWY57\_S                      Length(ft): 570.00  
Group: BASE                      To Node: E4                      Count: 1

                    UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic  
Geometry: Irregular                      Irregular                      Solution Algorithm: Automatic  
Invert(ft): 24.200                      23.000                      Flow: Both  
TClpInitZ(ft): 9999.000                      9999.000                      Contraction Coef: 0.100  
Manning's N:                      Expansion Coef: 0.300  
Top Clip(ft):                      Entrance Loss Coef: 0.000  
Bot Clip(ft):                      Exit Loss Coef: 0.000  
Main XSec: HWY 57 S                      E4                      Outlet Ctrl Spec: Use dc or tw  
AuxElev1(ft): 0.000                      0.000                      Inlet Ctrl Spec: Use dc  
Aux XSec1:                      Stabilizer Option: None  
AuxElev2(ft): 0.000                      0.000  
Aux XSec2:  
Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

-----  
Name: F                      From Node: F                      Length(ft): 103.00

Group: BASE	To Node: E	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.070	20.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: F	E	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: F1	From Node: F1	Length(ft): 293.00
Group: BASE	To Node: F	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.700	19.070	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: F1	F	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: G-F1	From Node: G_dn	Length(ft): 285.00
Group: BASE	To Node: F1	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 24.430	22.740	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 3.00	3.00	
RtSdSlp(h/v): 3.00	3.00	

Name: I-J	From Node: I	Length(ft): 296.00
Group: BASE	To Node: J	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.750	22.500	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.045000		Expansion Coef: 0.300
Top Clip(ft): 0.000		Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000		Exit Loss Coef: 0.000
Main XSec:	J	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		



Bot Width(ft): 6.000  
LtSdSlp(h/v): 2.00  
RtSdSlp(h/v): 2.00

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-----
Name: J                               From Node: J           Length(ft): 558.00
Group: BASE                            To Node: F1           Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Irregular Irregular      Solution Algorithm: Automatic
  Invert(ft): 22.500 19.700        Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
  Main XSec: J           F1           Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

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-----
Name: J1                              From Node: J1          Length(ft): 622.00
Group: BASE                            To Node: J            Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Irregular Irregular      Solution Algorithm: Automatic
  Invert(ft): 23.500 22.500        Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
  Main XSec: J1        J           Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

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-----
Name: K                               From Node: K           Length(ft): 700.00
Group: BASE                            To Node: J1           Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Irregular Irregular      Solution Algorithm: Automatic
  Invert(ft): 25.000 23.500        Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
  Main XSec: K         J1           Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000      Inlet Ctrl Spec: Use dc
Aux XSec1:                               Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

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-----
Name: K1                              From Node: HWY57_N     Length(ft): 647.00
Group: BASE                            To Node: K            Count: 1

      UPSTREAM      DOWNSTREAM      Friction Equation: Automatic
Geometry: Irregular Irregular      Solution Algorithm: Automatic
  Invert(ft): 25.500 25.000        Flow: Both
TClpInitZ(ft): 9999.000 9999.000      Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000

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Bot Clip(ft):                               Exit Loss Coef: 0.000
  Main XSec: HWY 57 N                       Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000                       Inlet Ctrl Spec: Use dc
  Aux XSec1:                               Stabilizer Option: None
  AuxElev2(ft): 0.000                       0.000
  Aux XSec2:
Top Width(ft):
  Depth(ft):
Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

```

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-----
Name: Out-X7                               Length(ft): 2057.00
Group: BASE                               To Node: X3                               Count: 1

      UPSTREAM                               DOWNSTREAM                               Friction Equation: Automatic
Geometry: Irregular                       Irregular                               Solution Algorithm: Automatic
  Invert(ft): 18.000                       17.000                               Flow: Both
TClpInitZ(ft): 9999.000                   9999.000                               Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
  Main XSec: X4                             X7                                       Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000                       0.000                               Inlet Ctrl Spec: Use dc
  Aux XSec1:                               Stabilizer Option: None
  AuxElev2(ft): 0.000                       0.000
Top Width(ft):
  Depth(ft):
Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

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-----
Name: X2-Out                               Length(ft): 750.00
Group: BASE                               To Node: X3                               Count: 1

      UPSTREAM                               DOWNSTREAM                               Friction Equation: Automatic
Geometry: Trapezoidal                     Trapezoidal                             Solution Algorithm: Automatic
  Invert(ft): 18.500                       18.000                               Flow: Both
TClpInitZ(ft): 9999.000                   9999.000                               Contraction Coef: 0.100
Manning's N: 0.045000                     0.045000                               Expansion Coef: 0.300
Top Clip(ft): 0.000                       0.000                               Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000                       0.000                               Exit Loss Coef: 0.000
  Main XSec:                               Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                             Inlet Ctrl Spec: Use dc
  Aux XSec1:                               Stabilizer Option: None
  AuxElev2(ft):
  Aux XSec2:
Top Width(ft):
  Depth(ft):
Bot Width(ft): 5.000                       5.000
  LtSdSlp(h/v): 2.00                       2.00
  RtSdSlp(h/v): 2.00                       2.00

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-----
Name: X7-X8                               Length(ft): 2100.00
Group: BASE                               To Node: BNDRY                           Count: 1

      UPSTREAM                               DOWNSTREAM                               Friction Equation: Automatic
Geometry: Irregular                       Irregular                               Solution Algorithm: Automatic
  Invert(ft): 17.000                       16.000                               Flow: Both
TClpInitZ(ft): 9999.000                   9999.000                               Contraction Coef: 0.100
Manning's N:                               Expansion Coef: 0.300
Top Clip(ft):                               Entrance Loss Coef: 0.000
Bot Clip(ft):                               Exit Loss Coef: 0.000
  Main XSec: X7                             X8                                       Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000                       0.000                               Inlet Ctrl Spec: Use dc
  Aux XSec1:                               Stabilizer Option: None
  AuxElev2(ft): 0.000                       0.000
  Aux XSec2:
Top Width(ft):
  Depth(ft):
Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

```

==== Drop Structures =====

Name: Pond A\_Out                      From Node: Pond A                      Length(ft): 295.00  
 Group: BASE                              To Node: Pond C                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 21.460	19.380	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 18.00	Invert(ft): 25.100	
Rise(in): 16.80	Control Elev(ft): 25.100	

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 8.00	Invert(ft): 23.390	
Rise(in): 8.00	Control Elev(ft): 23.390	

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 164.00	Invert(ft): 26.500	
Rise(in): 99999.00	Control Elev(ft): 26.500	

Name: Pond B\_Out1                      From Node: Pond B                      Length(ft): 115.00  
 Group: BASE                              To Node: JB                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 24.00	Invert(ft): 24.620	
Rise(in): 32.76	Control Elev(ft): 24.620	

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	

Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 27.350  
 Rise(in): 24.00 Control Elev(ft): 27.350

Name: Pond B\_Out2 From Node: Pond B Length(ft): 224.00  
 Group: BASE To Node: H Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 6.00 Control Elev(ft): 24.620

Name: Pond C\_Out From Node: Pond C Length(ft): 12.00  
 Group: BASE To Node: F Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 23.550  
 Rise(in): 26.00 Control Elev(ft): 23.550

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

TABLE

Count: 3 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 25.710  
 Rise(in): 48.00 Control Elev(ft): 25.710

Name: X5-X2 From Node: X5 Length(ft): 250.00  
 Group: BASE To Node: X2 Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both

Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 19.000	18.500	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 23.000	
Rise(in): 48.00	Control Elev(ft): 23.000	

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 6.00	Control Elev(ft): 22.000	

Name: X6-X7	From Node: X6	Length(ft): 100.00
Group: BASE	To Node: X7	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.000
Invert(ft): 18.000	17.000	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 22.000	
Rise(in): 48.00	Control Elev(ft): 22.000	

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 48.00	Invert(ft): 21.000	
Rise(in): 6.00	Control Elev(ft): 21.000	

==== Weirs =====

Name: A_Over	From Node: Pond A
Group: BASE	To Node: Pond C
Flow: Both	Count: 1
Type: Vertical: Fread	Geometry: Trapezoidal
Bottom Width(ft): 10.00	
Left Side Slope(h/v): 20.00	

Right Side Slope(h/v): 20.00  
    Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: B\_Over                      From Node: B\_up  
Group: BASE                      To Node: B\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Trapezoidal

    Bottom Width(ft): 50.00  
    Left Side Slope(h/v): 100.00  
    Right Side Slope(h/v): 50.00  
        Invert(ft): 27.300  
    Control Elevation(ft): 27.300  
    Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: C\_Over                      From Node: C\_up  
Group: BASE                      To Node: C\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Trapezoidal

    Bottom Width(ft): 10.00  
    Left Side Slope(h/v): 40.00  
    Right Side Slope(h/v): 40.00  
        Invert(ft): 27.000  
    Control Elevation(ft): 27.000  
    Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: G\_Over                      From Node: G\_up  
Group: BASE                      To Node: G\_dn  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Trapezoidal

    Bottom Width(ft): 10.00  
    Left Side Slope(h/v): 40.00  
    Right Side Slope(h/v): 40.00  
        Invert(ft): 28.500  
    Control Elevation(ft): 28.500  
    Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200  
    Orifice Discharge Coef: 0.600

---

Name: H\_Over                      From Node: H  
Group: BASE                      To Node: I  
Flow: Both                      Count: 1  
Type: Vertical: Fread          Geometry: Trapezoidal

    Bottom Width(ft): 10.00  
    Left Side Slope(h/v): 40.00  
    Right Side Slope(h/v): 40.00  
        Invert(ft): 28.500  
    Control Elevation(ft): 28.500  
    Struct Opening Dim(ft): 9999.00

TABLE

    Bottom Clip(ft): 0.000  
    Top Clip(ft): 0.000  
    Weir Discharge Coef: 3.200

Orifice Discharge Coef: 0.600

-----  
Name: Pond A\_Over2           From Node: A\_up  
Group: BASE                    To Node: A\_dn  
Flow: Both                     Count: 1  
Type: Vertical: Fread         Geometry: Trapezoidal  
  
Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
          Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond B\_Over           From Node: Pond B  
Group: BASE                    To Node: H  
Flow: Both                     Count: 1  
Type: Vertical: Fread         Geometry: Trapezoidal  
  
Bottom Width(ft): 50.00  
Left Side Slope(h/v): 50.00  
Right Side Slope(h/v): 50.00  
          Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond C\_Over           From Node: Pond C  
Group: BASE                    To Node: F  
Flow: Both                     Count: 1  
Type: Vertical: Fread         Geometry: Trapezoidal  
  
Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
          Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00  
  
                                  TABLE  
Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
=== Hydrology Simulations ===  
=====

Name: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\002-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 4.50

Time(hrs)        Print Inc(min)  
-----  
48.000           5.00

-----  
Name: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\010-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 6.70

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\025-yr.R32  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 7.60

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\050-yr.R32  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\100-yr.R32  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\OCT-2015.R32  
Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)      Print Inc(min)  
-----  
120.000         5.00

-----  
Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\OCT-2016.R32  
Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\002-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year



Highway 9  
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Time(hrs)	Print Inc(min)
9999.000	15.000

Group	Run
BASE	Yes

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Name: 010-yr	Hydrology Sim: 010-yr	
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\010-yr.I32		
Execute: Yes	Restart: No	Patch: No
Alternative: No		
Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500	
Time Step Optimizer: 10.000		
Start Time(hrs): 0.000	End Time(hrs): 72.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000	
Boundary Stages: 010-year	Boundary Flows: 010-year	

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Time(hrs)	Print Inc(min)
9999.000	5.000

Group	Run
BASE	Yes

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---

Name: 025-yr	Hydrology Sim: 025-yr	
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\025-yr.I32		
Execute: Yes	Restart: No	Patch: No
Alternative: No		
Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500	
Time Step Optimizer: 10.000		
Start Time(hrs): 0.000	End Time(hrs): 72.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000	
Boundary Stages: 025-year	Boundary Flows: 025-year	

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Time(hrs)	Print Inc(min)
9999.000	15.000

Group	Run
BASE	Yes

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---

Name: 050-yr	Hydrology Sim: 050-yr	
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\050-yr.I32		
Execute: Yes	Restart: No	Patch: No
Alternative: No		
Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500	
Time Step Optimizer: 10.000		
Start Time(hrs): 0.000	End Time(hrs): 72.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000	
Boundary Stages: 050-year	Boundary Flows: 050-year	

---

---

Time(hrs)	Print Inc(min)
9999.000	15.000

Group	Run
BASE	Yes

---

---

Name: 100-yr	Hydrology Sim: 100-yr	
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\100-yr.I32		
Execute: Yes	Restart: No	Patch: No
Alternative: No		

---

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 72.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: 100-year	Boundary Flows: 100-year

Time(hrs)	Print Inc(min)
-----	-----
9999.000	15.000
Group	Run
-----	-----
BASE	Yes

-----  
 Name: OCT-2015                      Hydrology Sim: OCT-2015  
 Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\OCT-2015.I32

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 144.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: OCT-2015	Boundary Flows: OCT-2015

Time(hrs)	Print Inc(min)
-----	-----
999.000	15.000
Group	Run
-----	-----
BASE	Yes

-----  
 Name: OCT-2016                      Hydrology Sim: OCT-2016  
 Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 2\Alt 2C\OCT-2016.I32

Execute: Yes                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 72.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 10.0000
Boundary Stages: OCT-2016	Boundary Flows: OCT-2016

Time(hrs)	Print Inc(min)
-----	-----
999.000	15.000
Group	Run
-----	-----
BASE	Yes

=====  
 === Boundary Conditions ===  
 =====

Name: 010-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
-----	-----
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000

Highway 9  
Alternative 2C - Input Report

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3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740
18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450

25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670
40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990

47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490
62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510

Highway 9  
 Alternative 2C - Input Report

69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310
10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590

Highway 9  
Alternative 2C - Input Report

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18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430
32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870

40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590
54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110



Highway 9  
 Alternative 2C - Input Report

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62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

-----  
 Name: 050-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310

Highway 9  
Alternative 2C - Input Report

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10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170
15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850
24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040

32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520
46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410

Highway 9  
Alternative 2C - Input Report

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54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400
68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

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Name: 100-year

Node: HWY57\_N

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000

Highway 9  
Alternative 2C - Input Report

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2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510
16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550

24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920
38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320

46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660
60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850

Highway 9  
Alternative 2C - Input Report

68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230
9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500



Highway 9  
Alternative 2C - Input Report

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16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080
31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390

38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730
53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250

Highway 9  
 Alternative 2C - Input Report

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60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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 Name: 025-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770

Highway 9  
Alternative 2C - Input Report

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8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980
14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380
23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460

30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360
45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950

Highway 9  
 Alternative 2C - Input Report

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52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830
67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

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 Name: 050-year

Node: HWY57\_S

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000

Highway 9  
Alternative 2C - Input Report

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0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460
15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800

Highway 9  
Alternative 2C - Input Report

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22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240
37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330



44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460
59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500

Highway 9  
 Alternative 2C - Input Report

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66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

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 Name: 100-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
-----	
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290
7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060

Highway 9  
Alternative 2C - Input Report

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15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870
29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960

Highway 9  
Alternative 2C - Input Report

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37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440
51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910

Highway 9  
 Alternative 2C - Input Report

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59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

-----  
 Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000

Highway 9  
Alternative 2C - Input Report

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7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400
21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380

29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650
43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320

Highway 9  
Alternative 2C - Input Report

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51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390
65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

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Name: 002-year

Node: HWY57\_S

Type: Flow



Highway 9  
Alternative 2C - Input Report

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Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690
14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050

Highway 9  
Alternative 2C - Input Report

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21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410
36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210

43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060
58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290

Highway 9  
 Alternative 2C - Input Report

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65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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 Name: OCT-2016                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230
6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080

Highway 9  
Alternative 2C - Input Report

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13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350
28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290

Highway 9  
Alternative 2C - Input Report

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35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240
50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350

Highway 9  
Alternative 2C - Input Report

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57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

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Name: OCT-2016

Node: HWY57\_S

Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.040
4.500	0.460
4.750	1.270
5.000	2.340
5.250	4.520
5.500	9.980
5.750	18.640

Highway 9  
Alternative 2C - Input Report

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6.000	29.100
6.250	39.980
6.500	51.360
6.750	61.030
7.000	66.590
7.250	68.510
7.500	67.810
7.750	65.710
8.000	63.170
8.250	60.740
8.500	58.150
8.750	55.150
9.000	51.700
9.250	48.180
9.500	44.630
9.750	41.150
10.000	37.770
10.250	34.640
10.500	31.780
10.750	29.230
11.000	27.040
11.250	25.170
11.500	23.550
11.750	22.180
12.000	21.040
12.250	20.060
12.500	19.230
12.750	18.530
13.000	17.900
13.250	17.340
13.500	16.830
13.750	16.360
14.000	15.920
14.250	15.510
14.500	15.140
14.750	14.780
15.000	14.420
15.250	14.060
15.500	13.710
15.750	13.350
16.000	12.990
16.250	12.630
16.500	12.260
16.750	11.890
17.000	11.500
17.250	11.100
17.500	10.690
17.750	10.270
18.000	9.840
18.250	9.430
18.500	9.460
18.750	10.400
19.000	12.200
19.250	14.330
19.500	16.150
19.750	17.110
20.000	17.370
20.250	17.320
20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220



Highway 9  
Alternative 2C - Input Report

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28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530
42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140

Highway 9  
Alternative 2C - Input Report

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50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670
64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600

72.000            19.230

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Name: OCT-2015                    Node: HWY57\_N                    Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000

Highway 9  
Alternative 2C - Input Report

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20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900
34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170

Highway 9  
Alternative 2C - Input Report

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42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300
56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480

64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960
78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870

Highway 9  
Alternative 2C - Input Report

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86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640
100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150

108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260
122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760



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130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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 Name: OCT-2015                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000

Highway 9  
Alternative 2C - Input Report

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6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000
12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330

Highway 9  
Alternative 2C - Input Report

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28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910
43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720

Highway 9  
Alternative 2C - Input Report

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50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570
65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660

Highway 9  
Alternative 2C - Input Report

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72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370
87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710

Highway 9  
Alternative 2C - Input Report

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94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290
109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810

116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450
131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790

Highway 9  
 Alternative 2C - Input Report

138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

Name: 002-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001
7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048
10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105



14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745
19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988
29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429

36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260
51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130

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58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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 Name: 010-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006

Highway 9  
Alternative 2C - Input Report

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7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155
21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373

29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463
43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360

Highway 9  
Alternative 2C - Input Report

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51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202
65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

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Name: 025-year

Node: BNDRY

Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726
13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295

21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928
35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494



43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313
57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262

65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)                      Stage(ft)

0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006
6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864

13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416
28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044

35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407
50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336

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57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207
72.000	16.206

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 Name: 100-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008

Highway 9  
Alternative 2C - Input Report

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5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637
20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922

Highway 9  
Alternative 2C - Input Report

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27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570
42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419

Highway 9  
Alternative 2C - Input Report

---

49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269
64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222



Highway 9  
Alternative 2C - Input Report

71.750            16.219  
72.000            16.217

-----  
Name: OCT-2015                    Node: BNDRY                    Type: Stage

Time(hrs)            Stage(ft)

-----  
0.000            16.000  
0.250            16.000  
0.500            16.000  
0.750            16.000  
1.000            16.000  
1.250            16.000  
1.500            16.000  
1.750            16.000  
2.000            16.000  
2.250            16.000  
2.500            16.000  
2.750            16.000  
3.000            16.000  
3.250            16.000  
3.500            16.000  
3.750            16.000  
4.000            16.000  
4.250            16.000  
4.500            16.000  
4.750            16.000  
5.000            16.000  
5.250            16.000  
5.500            16.000  
5.750            16.000  
6.000            16.000  
6.250            16.000  
6.500            16.000  
6.750            16.000  
7.000            16.000  
7.250            16.000  
7.500            16.000  
7.750            16.000  
8.000            16.000  
8.250            16.000  
8.500            16.000  
8.750            16.000  
9.000            16.000  
9.250            16.000  
9.500            16.000  
9.750            16.000  
10.000            16.000  
10.250            16.000  
10.500            16.000  
10.750            16.000  
11.000            16.000  
11.250            16.000  
11.500            16.000  
11.750            16.000  
12.000            16.000  
12.250            16.000  
12.500            16.000  
12.750            16.000  
13.000            16.000  
13.250            16.000  
13.500            16.000  
13.750            16.000  
14.000            16.000  
14.250            16.000  
14.500            16.000  
14.750            16.000  
15.000            16.000  
15.250            16.000  
15.500            16.000  
15.750            16.000  
16.000            16.000  
16.250            16.000  
16.500            16.000  
16.750            16.000  
17.000            16.000  
17.250            16.000  
17.500            16.000  
17.750            16.000  
18.000            16.000  
18.250            16.000  
18.500            16.000  
18.750            16.000  
19.000            16.000  
19.250            16.000  
19.500            16.000  
19.750            16.000

20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088
34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553

Highway 9  
Alternative 2C - Input Report

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42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750
56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223

64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329
78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382

86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417
100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860

108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820
122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522

Highway 9  
 Alternative 2C - Input Report

130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

-----  
 Name: OCT-2016                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.001
4.500	16.003
4.750	16.013
5.000	16.047
5.250	16.160
5.500	16.375
5.750	16.431
6.000	16.616

Highway 9  
Alternative 2C - Input Report

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6.250	16.923
6.500	17.180
6.750	17.396
7.000	17.556
7.250	17.639
7.500	17.653
7.750	17.622
8.000	17.565
8.250	17.499
8.500	17.438
8.750	17.401
9.000	17.372
9.250	17.291
9.500	17.189
9.750	17.097
10.000	17.001
10.250	16.959
10.500	16.933
10.750	16.873
11.000	16.803
11.250	16.750
11.500	16.679
11.750	16.623
12.000	16.572
12.250	16.529
12.500	16.493
12.750	16.463
13.000	16.441
13.250	16.429
13.500	16.419
13.750	16.408
14.000	16.398
14.250	16.389
14.500	16.380
14.750	16.372
15.000	16.365
15.250	16.359
15.500	16.353
15.750	16.348
16.000	16.347
16.250	16.345
16.500	16.341
16.750	16.336
17.000	16.330
17.250	16.324
17.500	16.318
17.750	16.312
18.000	16.308
18.250	16.309
18.500	16.319
18.750	16.338
19.000	16.376
19.250	16.411
19.500	16.464
19.750	16.502
20.000	16.539
20.250	16.560
20.500	16.567
20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103



Highway 9  
Alternative 2C - Input Report

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28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507
42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854

50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485
64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386

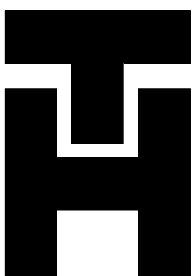


**HIGHWAY 9 & 57  
DRAINAGE STUDY**

**ALTERNATIVE 3**

**J – 26146.0000**

Prepared by:



**THOMAS & HUTTON**

Savannah, GA | Charleston, SC | Myrtle Beach, SC | Brunswick, GA | Wilmington, NC

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=====
==== Basins =====
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```

```
Name: A                      Node: A_up                    Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000    Time of Conc(min): 28.00
Area(ac): 13.040              Time Shift(hrs): 0.00
Curve Number: 78.80           Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
```

```
-----
Name: B                      Node: B_up                    Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000    Time of Conc(min): 50.00
Area(ac): 12.560              Time Shift(hrs): 0.00
Curve Number: 85.90           Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
```

```
-----
Name: C                      Node: C_up                    Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000    Time of Conc(min): 72.00
Area(ac): 24.120              Time Shift(hrs): 0.00
Curve Number: 80.60           Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
```

```
-----
Name: D                      Node: D                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000    Time of Conc(min): 28.00
Area(ac): 22.090              Time Shift(hrs): 0.00
Curve Number: 91.60           Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
```

```
-----
Name: E                      Node: E                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000    Time of Conc(min): 57.00
Area(ac): 40.070              Time Shift(hrs): 0.00
Curve Number: 84.80           Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
```

```
-----
Name: F                      Node: F                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
Rainfall Amount(in): 0.000    Time of Conc(min): 43.00
Area(ac): 10.150              Time Shift(hrs): 0.00
Curve Number: 76.80           Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00
```

```
-----
Name: G                      Node: G_up                    Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323        Peaking Factor: 323.0
Rainfall File: Scsiii         Storm Duration(hrs): 24.00
```

---

Rainfall Amount(in): 0.000	Time of Conc(min): 25.00
Area(ac): 3.210	Time Shift(hrs): 0.00
Curve Number: 83.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

---

Name: H	Node: H	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 54.00	
Area(ac): 8.140	Time Shift(hrs): 0.00	
Curve Number: 82.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: I	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 69.00	
Area(ac): 8.230	Time Shift(hrs): 0.00	
Curve Number: 78.70	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: J	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 45.00	
Area(ac): 12.030	Time Shift(hrs): 0.00	
Curve Number: 77.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: K	Node: K	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 31.00	
Area(ac): 27.010	Time Shift(hrs): 0.00	
Curve Number: 77.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond A	Node: Pond A	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 29.00	
Area(ac): 9.570	Time Shift(hrs): 0.00	
Curve Number: 83.40	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond B	Node: Pond B	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 22.00	
Area(ac): 16.260	Time Shift(hrs): 0.00	
Curve Number: 82.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond C	Node: Pond C	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 35.00  
Area(ac): 10.020 Time Shift(hrs): 0.00  
Curve Number: 80.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X1 Node: A\_dn Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 45.00  
Area(ac): 5.940 Time Shift(hrs): 0.00  
Curve Number: 89.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X2 Node: X2 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 11.470 Time Shift(hrs): 0.00  
Curve Number: 88.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X3 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 13.300 Time Shift(hrs): 0.00  
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X4 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 53.00  
Area(ac): 66.070 Time Shift(hrs): 0.00  
Curve Number: 88.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X5 Node: X5 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 9.00  
Area(ac): 10.610 Time Shift(hrs): 0.00  
Curve Number: 77.50 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

-----  
Name: X6 Node: X6 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00  
Area(ac): 21.360 Time Shift(hrs): 0.00  
Curve Number: 79.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

```

-----
Name: X7                      Node: X7                      Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

```

-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                   Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                   Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                   Warn Stage(ft): 25.600
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                   Warn Stage(ft): 26.110
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: B_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 20.800
Group: BASE                   Warn Stage(ft): 24.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----



-----  
 Name: B\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 21.200  
 Group: BASE                    Warn Stage(ft): 24.200  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: BNDRY                    Base Flow(cfs): 0.000            Init Stage(ft): 16.000  
 Group: BASE                    Warn Stage(ft): 23.000  
 Type: Time/Stage

-----  
 Time(hrs)            Stage(ft)  
 -----  
 0.00                16.000  
 999.00              16.000

-----  
 Name: BNDRY\_Off                Base Flow(cfs): 0.000            Init Stage(ft): 23.280  
 Group: BASE                    Warn Stage(ft): 27.210  
 Type: Time/Stage

-----  
 Time(hrs)            Stage(ft)  
 -----  
 0.00                23.280  
 999.00              23.280

-----  
 Name: C\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 23.000  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: C\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 23.450  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 23.450              0.0000  
 27.000              2.0000

-----  
 Name: D                        Base Flow(cfs): 0.000            Init Stage(ft): 22.800  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E                        Base Flow(cfs): 0.000            Init Stage(ft): 20.200  
 Group: BASE                    Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 20.200              0.0000  
 27.000              0.0100

-----  
 Name: E1                        Base Flow(cfs): 0.000            Init Stage(ft): 21.000  
 Group: BASE                    Warn Stage(ft): 28.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E2                      Base Flow(cfs): 0.000            Init Stage(ft): 21.500  
 Group: BASE                   Warn Stage(ft): 30.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E3                      Base Flow(cfs): 0.000            Init Stage(ft): 22.500  
 Group: BASE                   Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: E4                      Base Flow(cfs): 0.000            Init Stage(ft): 23.000  
 Group: BASE                   Warn Stage(ft): 32.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: F                       Base Flow(cfs): 0.000            Init Stage(ft): 19.070  
 Group: BASE                   Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: F1                      Base Flow(cfs): 0.000            Init Stage(ft): 19.700  
 Group: BASE                   Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----

-----  
 Name: G\_dn                    Base Flow(cfs): 0.000            Init Stage(ft): 24.430  
 Group: BASE                   Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 24.430                0.0000  
 27.000                0.0100

-----  
 Name: G\_up                    Base Flow(cfs): 0.000            Init Stage(ft): 25.000  
 Group: BASE                   Warn Stage(ft): 27.660  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 25.000                0.0000  
 28.000                0.0100

-----  
 Name: H                       Base Flow(cfs): 0.000            Init Stage(ft): 21.810  
 Group: BASE                   Warn Stage(ft): 27.590  
 Type: Stage/Area

-----  
 Stage(ft)            Area(ac)  
 -----  
 21.810                0.0010  
 27.590                0.0010

Highway 9  
Alternative 3A - Input Report

---

Name: HWY57\_N            Base Flow(cfs): 0.000            Init Stage(ft): 25.760  
Group: BASE                Warn Stage(ft): 32.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: HWY57\_S            Base Flow(cfs): 0.000            Init Stage(ft): 24.200  
Group: BASE                Warn Stage(ft): 32.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: I                    Base Flow(cfs): 0.000            Init Stage(ft): 20.750  
Group: BASE                Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: J                    Base Flow(cfs): 0.000            Init Stage(ft): 22.500  
Group: BASE                Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: J1                   Base Flow(cfs): 0.000            Init Stage(ft): 23.500  
Group: BASE                Warn Stage(ft): 29.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: JB                   Base Flow(cfs): 0.000            Init Stage(ft): 24.130  
Group: BASE                Warn Stage(ft): 27.210  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: K                    Base Flow(cfs): 0.000            Init Stage(ft): 25.000  
Group: BASE                Warn Stage(ft): 30.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
-----

---

Name: K1                   Base Flow(cfs): 0.000            Init Stage(ft): 25.380  
Group: BASE                Warn Stage(ft): 30.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
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Name: Pond A              Base Flow(cfs): 0.000            Init Stage(ft): 23.550  
Group: BASE                Warn Stage(ft): 27.000  
Type: Stage/Area

Stage(ft)            Area(ac)  
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23.390          0.4100  
27.000          0.8000

Name: Pond B                      Base Flow(cfs): 0.000              Init Stage(ft): 24.620  
Group: BASE                              Warn Stage(ft): 29.000  
Type: Stage/Area

Stage(ft)	Area(ac)
24.620	1.8100
29.000	2.0000

Name: Pond C                      Base Flow(cfs): 0.000              Init Stage(ft): 23.550  
Group: BASE                              Warn Stage(ft): 28.000  
Type: Stage/Area

Stage(ft)	Area(ac)
23.550	0.4000
28.000	0.4500

Name: Reg\_Pond                      Base Flow(cfs): 0.000              Init Stage(ft): 25.750  
Group: BASE                              Warn Stage(ft): 30.000  
Type: Stage/Area

Stage(ft)	Area(ac)
23.000	3.6000
24.000	3.8000
25.000	4.0000
26.000	4.2000
27.000	4.4000
28.000	4.6000
29.000	4.8000
30.000	5.0000

Name: X2                              Base Flow(cfs): 0.000              Init Stage(ft): 18.500  
Group: BASE                              Warn Stage(ft): 25.000  
Type: Stage/Area

Stage(ft)	Area(ac)

Name: X3                              Base Flow(cfs): 0.000              Init Stage(ft): 18.000  
Group: BASE                              Warn Stage(ft): 25.000  
Type: Stage/Area

Stage(ft)	Area(ac)

Name: X5                              Base Flow(cfs): 0.000              Init Stage(ft): 22.000  
Group: BASE                              Warn Stage(ft): 25.000  
Type: Stage/Area

Stage(ft)	Area(ac)
22.000	1.0500
25.000	1.9000

Name: X6                              Base Flow(cfs): 0.000              Init Stage(ft): 21.000  
Group: BASE                              Warn Stage(ft): 23.000  
Type: Stage/Area

Stage(ft)	Area(ac)
21.000	3.9800
23.000	5.5000

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Name: X7                      Base Flow(cfs): 0.000      Init Stage(ft): 17.000
Group: BASE                   Warn Stage(ft): 23.000
Type: Stage/Area
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Stage(ft)      Area(ac)
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==== Cross Sections =====
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Name: 0                      Group: BASE
Encroachment: No
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Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000

Highway 9  
Alternative 3A - Input Report

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329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000
354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
453.732	23.670	0.045000
458.681	23.644	0.045000
463.577	23.500	0.045000
466.686	19.000	0.045000
471.453	18.000	0.045000
476.327	19.100	0.045000
481.835	22.600	0.045000
488.379	22.690	0.045000
493.328	22.970	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000

Highway 9  
Alternative 3A - Input Report

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764.041	26.596	0.045000
768.916	26.573	0.045000
773.791	26.604	0.045000
778.666	26.521	0.045000
783.542	26.453	0.045000
788.417	26.439	0.045000
793.292	26.512	0.045000
798.167	26.538	0.045000
803.042	26.559	0.045000
807.918	26.496	0.045000
812.793	26.436	0.045000
817.668	26.375	0.045000
822.543	26.431	0.045000
827.418	26.423	0.045000
832.293	26.384	0.045000
837.169	26.479	0.045000
842.044	26.492	0.045000
846.919	26.562	0.045000
851.794	26.594	0.045000
856.669	26.584	0.045000
861.545	26.643	0.045000
866.420	26.768	0.045000
871.295	26.724	0.045000
876.170	26.712	0.045000
881.045	26.802	0.045000
885.920	26.793	0.045000

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Name: 1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.000	0.045000
4.961	27.006	0.045000
9.921	27.011	0.045000
14.882	27.008	0.045000
19.843	26.959	0.045000
24.803	26.958	0.045000
29.764	27.000	0.045000
34.724	26.934	0.045000
39.685	26.907	0.045000
44.646	26.950	0.045000
49.606	27.033	0.045000
54.567	27.095	0.045000
59.528	27.209	0.045000
64.488	27.206	0.045000
69.449	27.213	0.045000
74.410	27.235	0.045000
79.370	27.256	0.045000
84.331	27.274	0.045000
89.291	27.096	0.045000
94.252	27.070	0.045000
99.213	27.061	0.045000
104.173	26.978	0.045000
109.134	26.854	0.045000
114.095	26.816	0.045000
119.055	26.779	0.045000
124.016	26.741	0.045000
128.976	26.684	0.045000
133.937	26.613	0.045000
138.898	26.499	0.045000
143.858	26.143	0.045000
148.819	25.691	0.045000
153.780	25.636	0.045000
158.740	25.648	0.045000
163.701	25.772	0.045000
168.662	25.530	0.045000
170.000	25.300	0.045000
176.241	22.300	0.045000
181.606	18.900	0.045000
185.124	18.200	0.045000
189.879	19.300	0.045000
197.158	24.900	0.045000
201.666	25.800	0.045000
205.529	25.886	0.045000
210.137	25.749	0.045000
214.746	25.684	0.045000
219.724	25.471	0.045000
224.702	25.334	0.045000
229.680	25.320	0.045000
234.658	25.304	0.045000
239.636	25.435	0.045000
244.614	25.418	0.045000
249.592	25.470	0.045000
254.571	25.500	0.045000

Highway 9  
 Alternative 3A - Input Report

259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000
329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000
398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

Name: A1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000



222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000
291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000



308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

Name: A3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000
109.531	23.779	0.045000
114.432	25.375	0.045000
119.333	26.454	0.045000

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124.234	27.037	0.045000
129.135	27.468	0.045000
134.036	27.733	0.045000
138.936	27.814	0.045000
143.837	27.884	0.045000
148.738	28.063	0.045000
153.639	28.120	0.045000
158.540	28.243	0.045000
163.441	28.315	0.045000
168.341	28.228	0.045000
173.242	28.248	0.045000
176.925	28.277	0.045000

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Name: E Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	46.837	0.045000
4.945	47.344	0.045000
9.890	49.574	0.045000
14.835	47.989	0.045000
19.780	43.436	0.045000
24.725	38.399	0.045000
29.670	33.765	0.045000
34.615	31.163	0.045000
39.560	29.728	0.045000
44.504	28.299	0.045000
49.449	27.202	0.045000
54.394	26.965	0.045000
59.339	26.968	0.045000
64.284	26.914	0.045000
69.229	26.874	0.045000
74.174	26.747	0.045000
79.119	26.365	0.045000
84.064	25.926	0.045000
89.009	25.928	0.045000
93.954	25.141	0.045000
98.899	24.317	0.045000
103.844	23.795	0.045000
108.789	23.442	0.045000
113.734	22.541	0.045000
118.679	21.170	0.045000
122.572	20.400	0.045000
126.070	20.200	0.045000
131.344	20.500	0.045000
133.422	21.323	0.045000
138.276	22.992	0.045000
143.130	25.583	0.045000
147.984	27.456	0.045000
152.838	28.156	0.045000
157.691	28.317	0.045000
162.545	28.497	0.045000
167.399	28.546	0.045000
172.253	28.532	0.045000
177.107	28.581	0.045000
181.961	28.663	0.045000
186.814	28.642	0.045000
191.668	28.550	0.045000

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Name: E1 Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	36.997	0.045000
4.973	36.786	0.045000
9.947	36.590	0.045000
14.920	36.410	0.045000
19.893	36.192	0.045000
24.866	35.904	0.045000
29.840	35.684	0.045000
34.813	35.470	0.045000
39.786	35.423	0.045000
44.759	35.433	0.045000
49.733	34.346	0.045000
54.706	32.711	0.045000
59.679	30.968	0.045000
64.652	29.529	0.045000
69.626	29.266	0.045000
74.599	29.302	0.045000
79.572	29.293	0.045000

84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000
243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

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 Name: E2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000

Highway 9  
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87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000
156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000
224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000
249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

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 Name: E3  
 Encroachment: No

Group: BASE

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 Station(ft)    Elevation(ft)    Manning's N  
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0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000
163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000

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436.139	30.197	0.045000
441.127	30.169	0.045000
446.115	30.195	0.045000
451.103	30.127	0.045000
456.091	30.060	0.045000
461.079	30.036	0.045000
466.067	30.038	0.045000
471.055	30.072	0.045000
476.043	30.043	0.045000
481.031	29.980	0.045000
486.019	29.961	0.045000
491.007	30.079	0.045000
495.995	30.128	0.045000
500.983	30.043	0.045000
505.971	29.918	0.045000
510.959	29.875	0.045000
515.947	29.827	0.045000
520.935	29.781	0.045000
525.923	29.805	0.045000
530.911	30.039	0.045000
535.899	30.500	0.045000
540.887	31.070	0.045000
545.875	31.635	0.045000
550.863	32.150	0.045000
555.851	32.382	0.045000
560.838	32.339	0.045000
565.826	32.330	0.045000
570.814	32.288	0.045000

Name: E4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.136	0.045000
4.964	33.101	0.045000
9.928	33.168	0.045000
14.893	33.221	0.045000
19.857	33.167	0.045000
24.821	33.218	0.045000
29.785	33.175	0.045000
34.749	33.148	0.045000
39.713	33.142	0.045000
44.678	33.161	0.045000
49.642	33.121	0.045000
54.606	33.126	0.045000
59.570	33.120	0.045000
64.534	33.126	0.045000
69.498	33.128	0.045000
74.463	33.133	0.045000
79.427	33.075	0.045000
84.391	32.983	0.045000
89.355	32.979	0.045000
94.319	33.021	0.045000
99.283	33.032	0.045000
104.248	33.053	0.045000
109.212	32.951	0.045000
114.176	32.952	0.045000
119.140	32.913	0.045000
124.104	32.865	0.045000
129.068	32.843	0.045000
134.033	32.847	0.045000
138.997	32.796	0.045000
143.961	32.763	0.045000
148.925	32.731	0.045000
153.889	32.640	0.045000
158.853	32.534	0.045000
163.818	32.422	0.045000
168.782	32.316	0.045000
173.746	32.273	0.045000
178.710	32.325	0.045000
183.674	32.313	0.045000
188.638	32.224	0.045000
193.603	32.108	0.045000
198.567	32.084	0.045000
203.531	32.161	0.045000
208.495	32.029	0.045000
213.459	31.904	0.045000
218.423	31.244	0.045000
223.388	30.447	0.045000
228.352	30.117	0.045000
233.316	30.200	0.045000
238.280	30.861	0.045000
243.244	31.836	0.045000
248.208	32.109	0.045000



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253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000
412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000

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685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000
850.142	31.756	0.045000
855.126	31.757	0.045000

Name: F  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000

217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000
286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000
356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000
380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

Name: F1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000

Highway 9  
Alternative 3A - Input Report

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69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000
208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000
233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000

Highway 9  
Alternative 3A - Input Report

498.599	28.620	0.045000
503.558	28.666	0.045000
508.517	28.679	0.045000
513.476	28.676	0.045000
518.435	28.677	0.045000
523.394	28.694	0.045000
528.353	28.706	0.045000
533.312	28.711	0.045000
538.272	28.725	0.045000
543.231	28.746	0.045000
548.157	28.726	0.045000
553.084	28.730	0.045000
558.011	28.790	0.045000
562.938	28.809	0.045000
567.865	28.769	0.045000
572.791	28.692	0.045000
577.718	28.575	0.045000
582.645	28.525	0.045000
587.572	28.606	0.045000
592.499	28.659	0.045000
597.425	28.696	0.045000
602.352	28.718	0.045000
607.279	28.762	0.045000
612.206	28.834	0.045000
617.133	28.855	0.045000
622.059	28.875	0.045000
626.986	28.939	0.045000
631.913	29.008	0.045000
636.840	29.030	0.045000

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Name: HWY 57 N                                      Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
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0.000	32.265	0.045000
4.920	32.150	0.045000
9.841	32.107	0.045000
14.761	32.013	0.045000
19.682	31.933	0.045000
24.602	31.884	0.045000
29.523	31.796	0.045000
34.443	31.758	0.045000
39.364	31.718	0.045000
44.284	31.721	0.045000
49.205	31.688	0.045000
54.125	31.654	0.045000
59.046	31.638	0.045000
63.966	31.590	0.045000
68.887	31.535	0.045000
73.807	31.473	0.045000
78.728	31.396	0.045000
83.648	31.415	0.045000
88.569	31.365	0.045000
93.489	31.322	0.045000
98.410	31.269	0.045000
103.330	31.227	0.045000
108.251	31.193	0.045000
113.171	31.149	0.045000
118.092	31.085	0.045000
123.012	31.102	0.045000
127.933	31.124	0.045000
132.853	31.139	0.045000
137.774	31.081	0.045000
142.694	31.012	0.045000
147.615	30.927	0.045000
152.535	30.875	0.045000
157.456	30.883	0.045000
162.376	30.841	0.045000
167.297	30.860	0.045000
172.217	30.794	0.045000
177.138	30.990	0.045000
182.058	31.030	0.045000
186.979	31.055	0.045000
191.899	31.055	0.045000
196.820	31.111	0.045000
201.740	31.146	0.045000
206.661	30.929	0.045000
211.581	30.558	0.045000
216.502	30.870	0.045000
221.422	30.973	0.045000
226.343	30.690	0.045000
231.263	30.542	0.045000
236.184	30.589	0.045000
241.104	30.492	0.045000

Highway 9  
Alternative 3A - Input Report

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246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000
400.219	29.992	0.045000
405.128	29.991	0.045000
410.037	29.856	0.045000
414.945	30.024	0.045000
419.854	30.198	0.045000
424.763	30.308	0.045000
429.672	30.294	0.045000
434.580	30.363	0.045000
439.489	30.361	0.045000
444.398	30.383	0.045000
449.306	30.397	0.045000
454.215	30.411	0.045000
459.124	30.559	0.045000
464.033	30.690	0.045000
468.941	30.758	0.045000
473.850	30.569	0.045000
478.759	30.381	0.045000
483.668	30.301	0.045000
488.576	30.229	0.045000
493.485	30.251	0.045000
498.394	30.263	0.045000
503.302	30.173	0.045000
508.211	30.196	0.045000
513.120	30.353	0.045000
518.029	30.687	0.045000
522.937	30.950	0.045000
527.846	31.172	0.045000
532.755	31.238	0.045000
537.663	31.248	0.045000

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Name: HWY 57 S  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.676	0.045000
4.866	33.611	0.045000
9.732	33.525	0.045000
14.598	33.496	0.045000
19.464	33.513	0.045000
24.330	33.530	0.045000
29.196	33.545	0.045000
34.062	33.564	0.045000
38.928	33.578	0.045000
43.794	33.588	0.045000
48.660	33.602	0.045000
53.526	33.609	0.045000
58.392	33.618	0.045000
63.259	33.604	0.045000
68.125	33.303	0.045000
72.991	32.737	0.045000
77.857	32.140	0.045000

Highway 9  
Alternative 3A - Input Report

82.723	31.628	0.045000
90.000	31.500	0.045000
103.831	30.900	0.045000
109.264	27.400	0.045000
112.984	21.700	0.045000
116.540	21.100	0.045000
121.076	22.000	0.045000
124.320	28.300	0.045000
131.291	28.887	0.045000
136.147	29.394	0.045000
141.002	29.615	0.045000
145.905	29.791	0.045000
150.808	30.039	0.045000
155.711	30.349	0.045000
160.614	30.358	0.045000
165.517	30.355	0.045000
170.420	30.479	0.045000
175.323	30.668	0.045000
180.226	30.852	0.045000
185.129	30.951	0.045000
190.032	31.105	0.045000
194.935	31.187	0.045000
199.838	31.134	0.045000
204.741	31.153	0.045000
209.644	31.331	0.045000
214.547	31.538	0.045000
219.450	31.562	0.045000
224.353	31.615	0.045000
229.256	31.647	0.045000
234.159	31.539	0.045000
239.062	31.514	0.045000
243.965	31.567	0.045000
248.868	31.640	0.045000
253.771	31.628	0.045000
258.674	31.704	0.045000
263.577	31.798	0.045000
268.480	31.816	0.045000
273.383	31.750	0.045000
278.286	31.792	0.045000
283.189	31.965	0.045000
288.092	32.010	0.045000
292.995	31.930	0.045000
297.898	31.733	0.045000

Name: HWY 9 US                              Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	29.017	0.045000
4.924	29.029	0.045000
9.848	28.839	0.045000
14.772	28.220	0.045000
19.696	26.684	0.045000
24.621	25.496	0.045000
29.545	25.564	0.045000
34.469	25.861	0.045000
39.393	26.303	0.045000
44.317	26.704	0.045000
49.241	26.362	0.045000
54.165	25.060	0.045000
54.176	24.800	0.045000
60.206	21.500	0.045000
66.625	21.000	0.045000
67.978	18.700	0.045000
71.907	18.100	0.045000
75.475	20.000	0.045000
79.606	23.800	0.045000
83.390	24.400	0.045000
84.078	25.010	0.045000
89.076	25.514	0.045000
94.073	25.926	0.045000
99.071	25.831	0.045000
104.063	25.674	0.045000
109.056	25.666	0.045000
114.048	25.399	0.045000
119.041	24.940	0.045000
124.033	24.747	0.045000
129.026	24.447	0.045000
134.018	24.293	0.045000
139.011	24.581	0.045000
144.003	24.952	0.045000
148.996	24.712	0.045000
153.988	24.536	0.045000
158.981	24.550	0.045000

Highway 9  
Alternative 3A - Input Report

163.973	24.588	0.045000
168.966	24.667	0.045000
173.958	24.784	0.045000
178.950	25.133	0.045000
183.943	25.568	0.045000
188.935	25.725	0.045000
193.928	25.736	0.045000
198.920	25.806	0.045000
203.913	25.852	0.045000
208.905	25.838	0.045000
213.898	25.968	0.045000
218.890	26.075	0.045000
223.883	25.996	0.045000

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Name: J    Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-----		
0.000	28.596	0.045000
4.904	28.574	0.045000
9.808	28.578	0.045000
14.712	28.624	0.045000
19.615	28.560	0.045000
24.519	28.356	0.045000
29.423	28.118	0.045000
34.327	27.988	0.045000
39.231	27.856	0.045000
44.135	28.056	0.045000
49.039	28.329	0.045000
53.942	28.173	0.045000
58.846	27.945	0.045000
63.750	28.060	0.045000
68.654	28.001	0.045000
73.558	28.118	0.045000
78.462	28.230	0.045000
83.365	28.267	0.045000
88.269	28.247	0.045000
93.173	28.191	0.045000
98.077	28.168	0.045000
102.981	28.125	0.045000
107.885	28.023	0.045000
112.789	28.012	0.045000
117.692	27.983	0.045000
122.596	28.179	0.045000
127.500	28.434	0.045000
132.404	28.402	0.045000
137.308	28.006	0.045000
142.212	27.870	0.045000
147.116	27.900	0.045000
152.019	27.945	0.045000
156.923	28.157	0.045000
161.827	28.327	0.045000
166.731	28.399	0.045000
171.635	28.534	0.045000
176.539	28.626	0.045000
181.443	28.594	0.045000
186.346	28.625	0.045000
191.250	28.509	0.045000
196.154	28.297	0.045000
201.058	28.296	0.045000
205.962	28.463	0.045000
210.866	28.657	0.045000
215.769	28.826	0.045000
220.673	28.880	0.045000
225.577	28.560	0.045000
230.481	28.446	0.045000
235.385	28.732	0.045000
240.289	29.200	0.045000
245.193	29.562	0.045000
250.096	29.815	0.045000
254.728	29.520	0.045000
259.360	28.872	0.045000
263.992	28.175	0.045000
268.624	27.159	0.045000
273.256	25.543	0.045000
277.888	23.915	0.045000
282.520	22.744	0.045000
287.343	23.152	0.045000
292.166	23.888	0.045000
296.989	26.317	0.045000
301.812	26.976	0.045000
306.634	27.012	0.045000
311.457	27.224	0.045000
316.280	27.391	0.045000



321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000
481.687	28.900	0.045000
486.594	28.850	0.045000
491.501	28.858	0.045000
496.408	28.871	0.045000

Name: J1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.299	0.045000
4.997	29.237	0.045000
9.995	29.271	0.045000
14.992	29.289	0.045000
19.989	29.289	0.045000
24.987	29.297	0.045000
29.984	29.224	0.045000
34.981	29.244	0.045000
39.979	29.223	0.045000
44.976	29.127	0.045000
49.973	29.000	0.045000
54.971	29.100	0.045000
59.968	29.218	0.045000
64.965	29.288	0.045000
69.963	29.354	0.045000
74.960	29.317	0.045000
79.957	29.182	0.045000
84.955	29.174	0.045000
89.952	29.307	0.045000
94.949	29.101	0.045000
99.947	28.984	0.045000
104.944	28.942	0.045000
109.941	28.963	0.045000
114.939	28.967	0.045000
119.936	28.782	0.045000
124.933	28.631	0.045000
129.931	28.796	0.045000
134.928	28.943	0.045000
139.925	28.929	0.045000
144.923	28.865	0.045000
149.920	28.922	0.045000
154.912	28.884	0.045000
159.903	28.805	0.045000
164.895	28.854	0.045000
169.886	28.746	0.045000
174.878	28.696	0.045000
179.870	28.726	0.045000
184.861	28.740	0.045000
189.853	28.727	0.045000
194.844	28.611	0.045000
199.836	28.460	0.045000
204.828	28.243	0.045000

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209.819	28.210	0.045000
214.811	28.450	0.045000
219.802	28.627	0.045000
224.794	28.493	0.045000
229.785	28.451	0.045000
234.777	28.479	0.045000
239.769	28.538	0.045000
244.760	28.674	0.045000
249.752	28.605	0.045000
254.743	28.529	0.045000
259.735	28.622	0.045000
264.727	28.580	0.045000
269.718	28.583	0.045000
274.710	28.489	0.045000
279.701	28.668	0.045000
284.693	28.713	0.045000
289.685	28.544	0.045000
294.676	28.531	0.045000
299.668	28.538	0.045000
304.659	28.695	0.045000
309.651	28.900	0.045000
314.643	28.920	0.045000
319.634	28.912	0.045000
324.626	28.790	0.045000
329.617	28.792	0.045000
334.609	28.740	0.045000
339.601	28.532	0.045000
344.592	28.316	0.045000
349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000
374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000

641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000
806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

Name: K  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000

208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000
277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000
346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000
371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000

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669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000
833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000

Highway 9  
Alternative 3A - Input Report

1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000
14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000
39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000

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312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000
475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000

746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000
910.950	25.006	0.045000
915.861	25.052	0.045000
920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

Name: X7  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000



34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000
103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000
171.702	26.100	0.045000
176.700	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000
196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000

Highway 9  
Alternative 3A - Input Report

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471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000
606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000
631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

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Name: X8  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000
122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000
146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000

417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000
581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000

852.874	24.124	0.045000
857.806	24.337	0.045000
862.738	24.509	0.045000
867.669	24.592	0.045000
872.601	24.681	0.045000
877.533	24.797	0.045000
882.464	24.858	0.045000
887.396	24.816	0.045000
892.328	24.792	0.045000
897.260	24.810	0.045000
902.191	24.828	0.045000
907.123	24.846	0.045000
912.055	24.864	0.045000
916.986	24.882	0.045000
921.918	24.905	0.045000
926.850	24.984	0.045000
931.781	25.038	0.045000
936.713	25.043	0.045000
941.645	24.962	0.045000
946.577	24.839	0.045000
951.508	24.878	0.045000
956.440	24.857	0.045000
961.372	24.735	0.045000
966.303	24.684	0.045000
971.235	24.451	0.045000
976.167	24.270	0.045000
981.098	24.099	0.045000
986.030	23.848	0.045000
990.962	23.559	0.045000
995.894	23.353	0.045000
1000.825	23.315	0.045000
1005.757	23.433	0.045000
1010.689	23.583	0.045000
1015.620	23.703	0.045000
1020.552	23.845	0.045000
1025.484	23.977	0.045000
1030.415	24.007	0.045000
1035.347	24.119	0.045000
1040.279	23.926	0.045000
1045.211	23.762	0.045000
1050.142	23.673	0.045000
1055.074	23.493	0.045000

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---- Operating Tables ----  
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Name:                                      Group: BASE  
Type: Rating Curve  
Function: Head vs. Discharge

Head(ft)    Discharge(cfs)  
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---- Pipes ----  
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Name: A	From Node: A_up	Length(ft): 134.00
Group: BASE	To Node: A_dn	Count: 2
	UPSTREAM	DOWNSTREAM
Geometry: Rectangular	Rectangular	Friction Equation: Automatic
Span(in): 72.00	72.00	Solution Algorithm: Most Restrictive
Rise(in): 72.00	72.00	Flow: Both
Invert(ft): 20.110	19.600	Entrance Loss Coef: 0.50
Manning's N: 0.040000	0.040000	Exit Loss Coef: 0.50
Top Clip(in): 0.000	0.000	Bend Loss Coef: 0.00
Bot Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
		Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:  
Rectangular Box: 30° to 75° wingwall flares

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Name: B                                      From Node: B\_up                                      Length(ft): 55.00  
Group: BASE                                      To Node: B\_dn                                      Count: 1  
UPSTREAM                                      DOWNSTREAM                                      Friction Equation: Automatic  
Geometry: Circular                                      Circular                                      Solution Algorithm: Most Restrictive  
Flow: Both

Span(in): 36.00	36.00	Entrance Loss Coef: 0.20
Rise(in): 36.00	36.00	Exit Loss Coef: 0.50
Invert(ft): 21.200	21.000	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: G	From Node: G_up	Length(ft): 115.00
Group: BASE	To Node: G_dn	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
Invert(ft): 25.000	24.430	Exit Loss Coef: 0.50
Manning's N: 0.040000	0.040000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: H-I	From Node: H	Length(ft): 170.00
Group: BASE	To Node: I	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 21.810	20.750	Exit Loss Coef: 0.50
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: JB-Out	From Node: JB	Length(ft): 263.00
Group: BASE	To Node: BNDRY_Off	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.00
Invert(ft): 24.130	23.280	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: Pond C	From Node: C_up	Length(ft): 90.00
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Group: BASE	To Node: C_dn	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.20
Span(in): 36.00	36.00	Exit Loss Coef: 0.50
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 23.450	23.000	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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==== Channels =====  
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Name: A-Out	From Node: A_dn	Length(ft): 615.00
Group: BASE	To Node: X3	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.600	18.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: 1	0	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

-----

Name: A1	From Node: A1	Length(ft): 244.00
Group: BASE	To Node: A_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A1	HWY 9 US	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

-----

Name: A2	From Node: A2	Length(ft): 375.00
Group: BASE	To Node: A1	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A2	A1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		

Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

Name: A3	From Node: A3	Length(ft): 170.00
Group: BASE	To Node: A2	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.100	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A3	A2	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: B-A	From Node: B_dn	Length(ft): 346.00
Group: BASE	To Node: A_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 20.800	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 2.00	2.00	
RtSdSlp(h/v): 2.00	2.00	

Name: C-B	From Node: C_dn	Length(ft): 846.00
Group: BASE	To Node: B_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 23.000	21.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 2.00	2.00	
RtSdSlp(h/v): 2.00	2.00	

Name: D-E	From Node: D	Length(ft): 236.00
Group: BASE	To Node: E	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 22.800	20.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100



Manning's N:	0.035000	0.035000	Expansion Coef:	0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef:	0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef:	0.000
Main XSec:			Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec:	Use dc
Aux XSec1:			Stabilizer Option:	None
AuxElev2(ft):				
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):	6.000	6.000		
LtSdSlp(h/v):	2.00	2.00		
RtSdSlp(h/v):	2.00	2.00		

-----

Name:	E	From Node:	E	Length(ft):	97.00
Group:	BASE	To Node:	A3	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Automatic
Geometry:	Irregular	Irregular		Solution Algorithm:	Automatic
Invert(ft):	20.200	20.100		Flow:	Both
TClpInitZ(ft):	9999.000	9999.000		Contraction Coef:	0.100
Manning's N:				Expansion Coef:	0.300
Top Clip(ft):				Entrance Loss Coef:	0.000
Bot Clip(ft):				Exit Loss Coef:	0.000
Main XSec:	E	A3		Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Aux XSec1:				Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

-----

Name:	E1	From Node:	E1	Length(ft):	354.00
Group:	BASE	To Node:	E	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Automatic
Geometry:	Irregular	Irregular		Solution Algorithm:	Automatic
Invert(ft):	21.000	20.200		Flow:	Both
TClpInitZ(ft):	9999.000	9999.000		Contraction Coef:	0.100
Manning's N:				Expansion Coef:	0.300
Top Clip(ft):				Entrance Loss Coef:	0.000
Bot Clip(ft):				Exit Loss Coef:	0.000
Main XSec:	E1	E		Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Aux XSec1:				Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

-----

Name:	E2	From Node:	E2	Length(ft):	350.00
Group:	BASE	To Node:	E1	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Automatic
Geometry:	Irregular	Irregular		Solution Algorithm:	Automatic
Invert(ft):	21.500	21.000		Flow:	Both
TClpInitZ(ft):	9999.000	9999.000		Contraction Coef:	0.100
Manning's N:				Expansion Coef:	0.300
Top Clip(ft):				Entrance Loss Coef:	0.000
Bot Clip(ft):				Exit Loss Coef:	0.000
Main XSec:	E2	E1		Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Aux XSec1:				Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

```

-----
Name: E3                      From Node: E3          Length(ft): 500.00
Group: BASE                   To Node: E2          Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular          Irregular          Solution Algorithm: Automatic
Invert(ft): 22.500          21.500          Flow: Both
TClpInitZ(ft): 9999.000    9999.000          Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):              Entrance Loss Coef: 0.000
Bot Clip(ft):              Exit Loss Coef: 0.000
Main XSec: E3              E2              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: E4                      From Node: E4          Length(ft): 255.00
Group: BASE                   To Node: E3          Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular          Irregular          Solution Algorithm: Automatic
Invert(ft): 23.000          22.500          Flow: Both
TClpInitZ(ft): 9999.000    9999.000          Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):              Entrance Loss Coef: 0.000
Bot Clip(ft):              Exit Loss Coef: 0.000
Main XSec: E4              E3              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: E5                      From Node: HWY57_S    Length(ft): 570.00
Group: BASE                   To Node: E4          Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular          Irregular          Solution Algorithm: Automatic
Invert(ft): 24.200          23.000          Flow: Both
TClpInitZ(ft): 9999.000    9999.000          Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):              Entrance Loss Coef: 0.000
Bot Clip(ft):              Exit Loss Coef: 0.000
Main XSec: HWY 57 S        E4              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):
  
```

```

-----
Name: F                      From Node: F          Length(ft): 103.00
Group: BASE                   To Node: E          Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular          Irregular          Solution Algorithm: Automatic
Invert(ft): 19.070          20.200          Flow: Both
TClpInitZ(ft): 9999.000    9999.000          Contraction Coef: 0.100
Manning's N:                Expansion Coef: 0.300
Top Clip(ft):              Entrance Loss Coef: 0.000
Bot Clip(ft):              Exit Loss Coef: 0.000
Main XSec: F              E              Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000        0.000          Inlet Ctrl Spec: Use dc
Aux XSec1:                Stabilizer Option: None
AuxElev2(ft): 0.000        0.000
Aux XSec2:
  
```

Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

```

-----
Name: F1                From Node: F1                Length(ft): 293.00
Group: BASE              To Node: F                    Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular      Irregular
Invert(ft): 19.700      19.070
TClpInitZ(ft): 9999.000  9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: F1            F
AuxElev1(ft): 0.000      0.000
Aux XSec1:
AuxElev2(ft): 0.000      0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

```

-----
Name: G-F1              From Node: G_dn              Length(ft): 285.00
Group: BASE              To Node: F1                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal    Trapezoidal
Invert(ft): 24.430      22.740
TClpInitZ(ft): 9999.000  9999.000
Manning's N: 0.035000    0.035000
Top Clip(ft): 0.000      0.000
Bot Clip(ft): 0.000      0.000
Main XSec:
AuxElev1(ft):
Aux XSec1:
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000      4.000
LtSdSlp(h/v): 3.00        3.00
RtSdSlp(h/v): 3.00        3.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

```

-----
Name: I-J                From Node: I                Length(ft): 296.00
Group: BASE              To Node: J                    Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal    Irregular
Invert(ft): 20.750      22.500
TClpInitZ(ft): 9999.000  9999.000
Manning's N: 0.045000
Top Clip(ft): 0.000
Bot Clip(ft): 0.000
Main XSec:                J
AuxElev1(ft):            0.000
Aux XSec1:
AuxElev2(ft):            0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000
LtSdSlp(h/v): 2.00
RtSdSlp(h/v): 2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

```

-----
Name: J                  From Node: J                  Length(ft): 558.00
Group: BASE              To Node: F1                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular      Irregular
Invert(ft): 22.500      19.700
TClpInitZ(ft): 9999.000  9999.000

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
  
```

Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: J F1 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: J1 From Node: J1 Length(ft): 622.00  
 Group: BASE To Node: J Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 23.500 22.500 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: J1 J Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: K From Node: K Length(ft): 700.00  
 Group: BASE To Node: J1 Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 25.000 23.500 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: K J1 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

Name: K1 From Node: K1 Length(ft): 323.00  
 Group: BASE To Node: K Count: 1

UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 25.380 25.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: K K Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

```

-----
Name: K2                From Node: HWY57_N      Length(ft): 324.00
Group: BASE             To Node: K1              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular     Irregular           Solution Algorithm: Automatic
Invert(ft): 25.760      25.380              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):          Entrance Loss Coef: 0.000
Bot Clip(ft):          Exit Loss Coef: 0.000
Main XSec: HWY 57 N    K                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000               Inlet Ctrl Spec: Use dc
Aux XSec1:             Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: Out-X7           From Node: X3          Length(ft): 2057.00
Group: BASE            To Node: X7            Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular     Irregular           Solution Algorithm: Automatic
Invert(ft): 18.000      17.000              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):          Entrance Loss Coef: 0.000
Bot Clip(ft):          Exit Loss Coef: 0.000
Main XSec: X4          X7                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000               Inlet Ctrl Spec: Use dc
Aux XSec1:             Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: X2-Out           From Node: X2          Length(ft): 750.00
Group: BASE            To Node: X3            Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal   Trapezoidal         Solution Algorithm: Automatic
Invert(ft): 18.500      18.000              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N: 0.045000   0.045000           Expansion Coef: 0.300
Top Clip(ft): 0.000     0.000               Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000     0.000               Exit Loss Coef: 0.000
Main XSec:             Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):          Inlet Ctrl Spec: Use dc
Aux XSec1:             Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 5.000    5.000
LtSdSlp(h/v): 2.00     2.00
RtSdSlp(h/v): 2.00     2.00

```

```

-----
Name: X7-X8           From Node: X7          Length(ft): 2100.00
Group: BASE            To Node: BNDRY         Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular     Irregular           Solution Algorithm: Automatic
Invert(ft): 17.000      16.000              Flow: Both
TClpInitZ(ft): 9999.000 9999.000           Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):          Entrance Loss Coef: 0.000
Bot Clip(ft):          Exit Loss Coef: 0.000
Main XSec: X7          X8                    Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000    0.000               Inlet Ctrl Spec: Use dc
Aux XSec1:             Stabilizer Option: None
AuxElev2(ft): 0.000    0.000
Aux XSec2:

```

Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

=====  
 Drop Structures  
 =====

Name: Pond A_Out	From Node: Pond A	Length(ft): 295.00
Group: BASE	To Node: Pond C	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 21.460	19.380	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 18.00	Invert(ft): 25.100	
Rise(in): 16.80	Control Elev(ft): 25.100	

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 8.00	Invert(ft): 23.390	
Rise(in): 8.00	Control Elev(ft): 23.390	

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 164.00	Invert(ft): 26.500	
Rise(in): 99999.00	Control Elev(ft): 26.500	

Name: Pond B_Out1	From Node: Pond B	Length(ft): 115.00
Group: BASE	To Node: JB	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	

Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 32.76 Control Elev(ft): 24.620

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 27.350  
 Rise(in): 24.00 Control Elev(ft): 27.350

TABLE

Name: Pond B\_Out2 From Node: Pond B Length(ft): 224.00  
 Group: BASE To Node: H Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 6.00 Control Elev(ft): 24.620

TABLE

Name: Pond C\_Out From Node: Pond C Length(ft): 12.00  
 Group: BASE To Node: F Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 23.550  
 Rise(in): 26.00 Control Elev(ft): 23.550

TABLE

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 25.710

TABLE

Rise(in): 48.00                      Control Elev(ft): 25.710

```

-----
Name: X5-X2                      From Node: X5                      Length(ft): 250.00
Group: BASE                      To Node: X2                      Count: 1

UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic
Geometry: Circular              Circular                      Solution Algorithm: Most Restrictive
Span(in): 36.00                  36.00                      Flow: Both
Rise(in): 36.00                  36.00                      Entrance Loss Coef: 0.000
Invert(ft): 19.000              18.500                      Exit Loss Coef: 1.000
Manning's N: 0.013000          0.013000                      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Solution Incs: 10
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X5-X2 \*\*\*

```

Count: 1                                      Bottom Clip(in): 0.000                      TABLE
Type: Horizontal                              Top Clip(in): 0.000
Flow: Both                                      Weir Disc Coef: 3.200
Geometry: Rectangular                      Orifice Disc Coef: 0.600

Span(in): 48.00                                      Invert(ft): 23.000
Rise(in): 48.00                                      Control Elev(ft): 23.000
  
```

\*\*\* Weir 2 of 2 for Drop Structure X5-X2 \*\*\*

```

Count: 1                                      Bottom Clip(in): 0.000                      TABLE
Type: Vertical: Mavis                              Top Clip(in): 0.000
Flow: Both                                      Weir Disc Coef: 3.200
Geometry: Rectangular                      Orifice Disc Coef: 0.600

Span(in): 48.00                                      Invert(ft): 22.000
Rise(in): 6.00                                      Control Elev(ft): 22.000
  
```

```

-----
Name: X6-X7                      From Node: X6                      Length(ft): 100.00
Group: BASE                      To Node: X7                      Count: 1

UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic
Geometry: Circular              Circular                      Solution Algorithm: Most Restrictive
Span(in): 36.00                  36.00                      Flow: Both
Rise(in): 36.00                  36.00                      Entrance Loss Coef: 0.000
Invert(ft): 18.000              17.000                      Exit Loss Coef: 1.000
Manning's N: 0.013000          0.013000                      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Solution Incs: 10
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure X6-X7 \*\*\*

```

Count: 1                                      Bottom Clip(in): 0.000                      TABLE
Type: Horizontal                              Top Clip(in): 0.000
Flow: Both                                      Weir Disc Coef: 3.200
Geometry: Rectangular                      Orifice Disc Coef: 0.600

Span(in): 48.00                                      Invert(ft): 22.000
Rise(in): 48.00                                      Control Elev(ft): 22.000
  
```

\*\*\* Weir 2 of 2 for Drop Structure X6-X7 \*\*\*

```

Count: 1                                      Bottom Clip(in): 0.000                      TABLE
Type: Vertical: Mavis                              Top Clip(in): 0.000
Flow: Both                                      Weir Disc Coef: 3.200
Geometry: Rectangular                      Orifice Disc Coef: 0.600

Span(in): 48.00                                      Invert(ft): 21.000
Rise(in): 6.00                                      Control Elev(ft): 21.000
  
```



==== Weirs =====  
=====

Name: A\_Over                      From Node: A\_up  
Group: BASE                        To Node: A\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
    Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00

                                    TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: B\_Over                      From Node: B\_up  
Group: BASE                        To Node: B\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 50.00  
Left Side Slope(h/v): 100.00  
Right Side Slope(h/v): 50.00  
    Invert(ft): 27.300  
Control Elevation(ft): 27.300  
Struct Opening Dim(ft): 9999.00

                                    TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: C\_Over                      From Node: C\_up  
Group: BASE                        To Node: C\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 27.000  
Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00

                                    TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: G\_Over                      From Node: G\_up  
Group: BASE                        To Node: G\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

                                    TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: H\_Over                      From Node: H  
Group: BASE                        To Node: I  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond B\_Over           From Node: Pond B  
Group: BASE                To Node: H  
Flow: Both                 Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 50.00  
Left Side Slope(h/v): 50.00  
Right Side Slope(h/v): 50.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond C\_Over           From Node: Pond C  
Group: BASE                To Node: F  
Flow: Both                 Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
    Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Pond\_A\_Over           From Node: Pond A  
Group: BASE                To Node: Pond C  
Flow: Both                 Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 20.00  
Right Side Slope(h/v): 20.00  
    Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

---

Name: Reg\_Pond\_Weir        From Node: K1  
Group: BASE                To Node: Reg\_Pond  
Flow: Both                 Count: 1  
Type: Vertical: Mavis      Geometry: Trapezoidal

Bottom Width(ft): 100.00  
Left Side Slope(h/v): 4.00  
Right Side Slope(h/v): 4.00  
    Invert(ft): 25.750  
Control Elevation(ft): 25.750  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000

Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
=== Hydrology Simulations ===  
=====

Name: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\002-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\010-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 6.70

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\025-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 7.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\050-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\100-yr.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70

Time(hrs)	Print Inc(min)
48.000	5.00

Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\OCT-2015.R32

Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91

Time(hrs)	Print Inc(min)
120.000	5.00

Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\002-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year

Time(hrs)      Print Inc(min)  
-----  
9999.000          15.000

Group              Run  
-----  
BASE                  Yes

Name: 010-yr                      Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\010-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                      Boundary Flows: 010-year

Time(hrs)      Print Inc(min)  
-----  
9999.000          5.000

Group              Run  
-----  
BASE                  Yes

Name: 025-yr                      Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\025-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                      Boundary Flows: 025-year

Time(hrs)      Print Inc(min)  
-----  
9999.000          15.000

Group              Run  
-----  
BASE                  Yes

Name: 050-yr Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\050-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year Boundary Flows: 050-year

Time(hrs) Print Inc(min)  
-----  
9999.000 15.000

Group Run  
-----  
BASE Yes

Name: 100-yr Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\100-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year Boundary Flows: 100-year

Time(hrs) Print Inc(min)  
-----  
9999.000 15.000

Group Run  
-----  
BASE Yes

Name: OCT-2015 Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\OCT-2015.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 144.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2015 Boundary Flows: OCT-2015

Time(hrs) Print Inc(min)  
-----  
999.000 15.000

Group Run  
-----  
BASE Yes

Name: OCT-2016 Hydrology Sim: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3A\OCT-2016.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2016 Boundary Flows: OCT-2016

Time(hrs) Print Inc(min)  
-----

999.000            15.000

Group            Run  
 -----  
 BASE            Yes

=====  
 === Boundary Conditions ===  
 =====

Name: 010-year                    Node: HWY57\_N                    Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740

18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670

40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490



Highway 9  
 Alternative 3A - Input Report

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62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310

Highway 9  
Alternative 3A - Input Report

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10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430

Highway 9  
Alternative 3A - Input Report

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32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590

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54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

-----  
 Name: 050-year

Node: HWY57\_N

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000

Highway 9  
Alternative 3A - Input Report

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2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170
15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850

Highway 9  
Alternative 3A - Input Report

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24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520

46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400

Highway 9  
 Alternative 3A - Input Report

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68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

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 Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510



Highway 9  
Alternative 3A - Input Report

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16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920

38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660

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60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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 Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230

Highway 9  
Alternative 3A - Input Report

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9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080

31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730

Highway 9  
Alternative 3A - Input Report

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53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

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Name: 025-year

Node: HWY57\_S

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000

Highway 9  
Alternative 3A - Input Report

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1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980
14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380

Highway 9  
Alternative 3A - Input Report

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23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360



45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830

Highway 9  
 Alternative 3A - Input Report

67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

Name: 050-year      Node: HWY57\_S      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460

Highway 9  
Alternative 3A - Input Report

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15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240

37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460

Highway 9  
 Alternative 3A - Input Report

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59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

-----  
 Name: 100-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
-----	
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290

Highway 9  
Alternative 3A - Input Report

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7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870

Highway 9  
Alternative 3A - Input Report

---

29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440

Highway 9  
Alternative 3A - Input Report

---

51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

---

Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)



0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400

21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650

43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390

Highway 9  
 Alternative 3A - Input Report

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65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

-----  
 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690

Highway 9  
Alternative 3A - Input Report

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14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410

36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060

Highway 9  
 Alternative 3A - Input Report

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58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

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 Name: OCT-2016                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230

Highway 9  
Alternative 3A - Input Report

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6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350



Highway 9  
Alternative 3A - Input Report

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28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240

50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

Name: OCT-2016		Node: HWY57_S	Type: Flow
Time(hrs)	Flow(cfs)		
0.000	0.000		
0.250	0.000		
0.500	0.000		
0.750	0.000		
1.000	0.000		
1.250	0.000		
1.500	0.000		
1.750	0.000		
2.000	0.000		
2.250	0.000		
2.500	0.000		
2.750	0.000		
3.000	0.000		
3.250	0.000		
3.500	0.000		
3.750	0.000		
4.000	0.000		
4.250	0.040		
4.500	0.460		
4.750	1.270		
5.000	2.340		
5.250	4.520		
5.500	9.980		
5.750	18.640		
6.000	29.100		
6.250	39.980		
6.500	51.360		
6.750	61.030		
7.000	66.590		
7.250	68.510		
7.500	67.810		
7.750	65.710		
8.000	63.170		
8.250	60.740		
8.500	58.150		
8.750	55.150		
9.000	51.700		
9.250	48.180		
9.500	44.630		
9.750	41.150		
10.000	37.770		
10.250	34.640		
10.500	31.780		
10.750	29.230		
11.000	27.040		
11.250	25.170		
11.500	23.550		
11.750	22.180		
12.000	21.040		
12.250	20.060		
12.500	19.230		
12.750	18.530		
13.000	17.900		
13.250	17.340		
13.500	16.830		
13.750	16.360		
14.000	15.920		
14.250	15.510		
14.500	15.140		
14.750	14.780		
15.000	14.420		
15.250	14.060		
15.500	13.710		
15.750	13.350		
16.000	12.990		
16.250	12.630		
16.500	12.260		
16.750	11.890		
17.000	11.500		
17.250	11.100		
17.500	10.690		
17.750	10.270		
18.000	9.840		
18.250	9.430		
18.500	9.060		
18.750	8.640		
19.000	8.200		
19.250	7.730		
19.500	7.250		
19.750	6.750		
20.000	6.230		
20.250	5.680		

Highway 9  
Alternative 3A - Input Report

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20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530

Highway 9  
Alternative 3A - Input Report

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42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670

Highway 9  
 Alternative 3A - Input Report

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64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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 Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000

Highway 9  
Alternative 3A - Input Report

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12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900

Highway 9  
Alternative 3A - Input Report

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34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300



Highway 9  
Alternative 3A - Input Report

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56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960

Highway 9  
Alternative 3A - Input Report

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78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640

Highway 9  
Alternative 3A - Input Report

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100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260

122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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Highway 9  
Alternative 3A - Input Report

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Name: OCT-2015	Node: HWY57_S	Type: Flow
Time(hrs)	Flow(cfs)	
0.000	0.000	
0.250	0.000	
0.500	0.000	
0.750	0.000	
1.000	0.000	
1.250	0.000	
1.500	0.000	
1.750	0.000	
2.000	0.000	
2.250	0.000	
2.500	0.000	
2.750	0.000	
3.000	0.000	
3.250	0.000	
3.500	0.000	
3.750	0.000	
4.000	0.000	
4.250	0.000	
4.500	0.000	
4.750	0.000	
5.000	0.000	
5.250	0.000	
5.500	0.000	
5.750	0.000	
6.000	0.000	
6.250	0.000	
6.500	0.000	
6.750	0.000	
7.000	0.000	
7.250	0.000	
7.500	0.000	
7.750	0.000	
8.000	0.000	
8.250	0.000	
8.500	0.000	
8.750	0.000	
9.000	0.000	
9.250	0.000	
9.500	0.000	
9.750	0.000	
10.000	0.000	
10.250	0.000	
10.500	0.000	
10.750	0.000	
11.000	0.000	
11.250	0.000	
11.500	0.000	
11.750	0.000	
12.000	0.000	
12.250	0.000	
12.500	0.000	
12.750	0.000	
13.000	0.000	
13.250	0.000	
13.500	0.000	
13.750	0.000	
14.000	0.000	
14.250	0.000	
14.500	0.000	
14.750	0.000	
15.000	0.000	
15.250	0.000	
15.500	0.000	
15.750	0.000	
16.000	0.000	
16.250	0.000	
16.500	0.000	
16.750	0.000	
17.000	0.000	
17.250	0.000	
17.500	0.000	
17.750	0.000	
18.000	0.000	
18.250	0.000	
18.500	0.000	
18.750	0.000	
19.000	0.000	
19.250	0.000	
19.500	0.000	
19.750	0.000	
20.000	0.000	
20.250	0.000	
20.500	0.000	
20.750	0.000	

Highway 9  
Alternative 3A - Input Report

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21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910

Highway 9  
Alternative 3A - Input Report

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43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570

Highway 9  
Alternative 3A - Input Report

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65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370



Highway 9  
Alternative 3A - Input Report

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87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290

Highway 9  
Alternative 3A - Input Report

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109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450

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131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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 Name: 002-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001

Highway 9  
Alternative 3A - Input Report

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7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048
10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105
14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745
19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988

29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260

Highway 9  
Alternative 3A - Input Report

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51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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Name: 010-year

Node: BNDRY

Type: Stage

Highway 9  
Alternative 3A - Input Report

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Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155

21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463



Highway 9  
Alternative 3A - Input Report

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43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202

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65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

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 Name: 025-year

Node: BNDRY

Type: Stage

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 Time(hrs)      Stage(ft)  
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0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726

Highway 9  
Alternative 3A - Input Report

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13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928

35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313

Highway 9  
 Alternative 3A - Input Report

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57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006

Highway 9  
Alternative 3A - Input Report

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6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416

Highway 9  
Alternative 3A - Input Report

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28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407

Highway 9  
Alternative 3A - Input Report

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50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207



72.000            16.206

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Name: 100-year	Node: BNDRY	Type: Stage
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Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637

20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570

42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269

Highway 9  
Alternative 3A - Input Report

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64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000

Highway 9  
Alternative 3A - Input Report

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12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088

Highway 9  
Alternative 3A - Input Report

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34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750

56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329

78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417



100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820

122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

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Name: OCT-2016		Node: BNDRY	Type: Stage
Time(hrs)	Stage(ft)		
0.000	16.000		
0.250	16.000		
0.500	16.000		
0.750	16.000		
1.000	16.000		
1.250	16.000		
1.500	16.000		
1.750	16.000		
2.000	16.000		
2.250	16.000		
2.500	16.000		
2.750	16.000		
3.000	16.000		
3.250	16.000		
3.500	16.000		
3.750	16.000		
4.000	16.000		
4.250	16.001		
4.500	16.003		
4.750	16.013		
5.000	16.047		
5.250	16.160		
5.500	16.375		
5.750	16.431		
6.000	16.616		
6.250	16.923		
6.500	17.180		
6.750	17.396		
7.000	17.556		
7.250	17.639		
7.500	17.653		
7.750	17.622		
8.000	17.565		
8.250	17.499		
8.500	17.438		
8.750	17.401		
9.000	17.372		
9.250	17.291		
9.500	17.189		
9.750	17.097		
10.000	17.001		
10.250	16.959		
10.500	16.933		
10.750	16.873		
11.000	16.803		
11.250	16.750		
11.500	16.679		
11.750	16.623		
12.000	16.572		
12.250	16.529		
12.500	16.493		
12.750	16.463		
13.000	16.441		
13.250	16.429		
13.500	16.419		
13.750	16.408		
14.000	16.398		
14.250	16.389		
14.500	16.380		
14.750	16.372		
15.000	16.365		
15.250	16.359		
15.500	16.353		
15.750	16.348		
16.000	16.347		
16.250	16.345		
16.500	16.341		
16.750	16.336		
17.000	16.330		
17.250	16.324		
17.500	16.318		
17.750	16.312		
18.000	16.308		
18.250	16.309		
18.500	16.319		
18.750	16.338		
19.000	16.376		
19.250	16.411		
19.500	16.464		
19.750	16.502		
20.000	16.539		
20.250	16.560		
20.500	16.567		

20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507

42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485

64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386



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Rainfall Amount(in): 0.000	Time of Conc(min): 25.00
Area(ac): 3.210	Time Shift(hrs): 0.00
Curve Number: 83.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

---

Name: H	Node: H	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 54.00	
Area(ac): 8.140	Time Shift(hrs): 0.00	
Curve Number: 82.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

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Name: I	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 69.00	
Area(ac): 8.230	Time Shift(hrs): 0.00	
Curve Number: 78.70	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: J	Node: J	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 45.00	
Area(ac): 12.030	Time Shift(hrs): 0.00	
Curve Number: 77.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: K	Node: K	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 31.00	
Area(ac): 27.010	Time Shift(hrs): 0.00	
Curve Number: 77.80	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond A	Node: Pond A	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 29.00	
Area(ac): 9.570	Time Shift(hrs): 0.00	
Curve Number: 83.40	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond B	Node: Pond B	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh323	Peaking Factor: 323.0	
Rainfall File: Scsiii	Storm Duration(hrs): 24.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 22.00	
Area(ac): 16.260	Time Shift(hrs): 0.00	
Curve Number: 82.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

---

Name: Pond C	Node: Pond C	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	



Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 35.00  
Area(ac): 10.020 Time Shift(hrs): 0.00  
Curve Number: 80.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: X1 Node: A\_dn Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 45.00  
Area(ac): 5.940 Time Shift(hrs): 0.00  
Curve Number: 89.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: X2 Node: X2 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 11.470 Time Shift(hrs): 0.00  
Curve Number: 88.70 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: X3 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00  
Area(ac): 13.300 Time Shift(hrs): 0.00  
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: X4 Node: X3 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 53.00  
Area(ac): 66.070 Time Shift(hrs): 0.00  
Curve Number: 88.40 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: X5 Node: X5 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 9.00  
Area(ac): 10.610 Time Shift(hrs): 0.00  
Curve Number: 77.50 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

---

Name: X6 Node: X6 Status: Onsite  
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0  
Rainfall File: Scsiii Storm Duration(hrs): 24.00  
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00  
Area(ac): 21.360 Time Shift(hrs): 0.00  
Curve Number: 79.90 Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

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Name: X7                      Node: X7                      Status: Onsite
Group: BASE                    Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 107.380
Curve Number: 76.20
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 87.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
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```

-----
Name: X8                      Node: BNDRY                   Status: Onsite
Group: BASE                    Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323
Rainfall File: Scsiii
Rainfall Amount(in): 0.000
Area(ac): 70.360
Curve Number: 76.90
DCIA(%): 0.00

Peaking Factor: 323.0
Storm Duration(hrs): 24.00
Time of Conc(min): 67.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000
  
```

=====  
 === Nodes =====  
 =====

```

Name: A1                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                    Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A2                      Base Flow(cfs): 0.000       Init Stage(ft): 20.000
Group: BASE                    Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A3                      Base Flow(cfs): 0.000       Init Stage(ft): 20.100
Group: BASE                    Warn Stage(ft): 26.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 19.600
Group: BASE                    Warn Stage(ft): 25.600
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: A_up                    Base Flow(cfs): 0.000       Init Stage(ft): 20.110
Group: BASE                    Warn Stage(ft): 26.110
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

```

Name: B_dn                    Base Flow(cfs): 0.000       Init Stage(ft): 20.800
Group: BASE                    Warn Stage(ft): 24.000
Type: Stage/Area
  
```

Stage(ft)      Area(ac)  
 -----

-----  
 Name: B\_up                      Base Flow(cfs): 0.000              Init Stage(ft): 21.200  
 Group: BASE                      Warn Stage(ft): 24.200  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: BNDRY                      Base Flow(cfs): 0.000              Init Stage(ft): 16.000  
 Group: BASE                      Warn Stage(ft): 23.000  
 Type: Time/Stage

-----  
 Time(hrs)              Stage(ft)  
 -----  
 0.00                      16.000  
 999.00                      16.000

-----  
 Name: BNDRY\_Off                      Base Flow(cfs): 0.000              Init Stage(ft): 23.280  
 Group: BASE                      Warn Stage(ft): 27.210  
 Type: Time/Stage

-----  
 Time(hrs)              Stage(ft)  
 -----  
 0.00                      23.280  
 999.00                      23.280

-----  
 Name: C\_dn                      Base Flow(cfs): 0.000              Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: C\_up                      Base Flow(cfs): 0.000              Init Stage(ft): 23.450  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 23.450                      0.0000  
 27.000                      2.0000

-----  
 Name: D                      Base Flow(cfs): 0.000              Init Stage(ft): 22.800  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: E                      Base Flow(cfs): 0.000              Init Stage(ft): 20.200  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 20.200                      0.0000  
 27.000                      0.0100

-----  
 Name: E1                      Base Flow(cfs): 0.000              Init Stage(ft): 21.000  
 Group: BASE                      Warn Stage(ft): 28.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

Name: E2                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
 Group: BASE                      Warn Stage(ft): 30.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E3                      Base Flow(cfs): 0.000                      Init Stage(ft): 22.500  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: E4                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.000  
 Group: BASE                      Warn Stage(ft): 32.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.070  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: F1                      Base Flow(cfs): 0.000                      Init Stage(ft): 19.700  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----

Name: G\_dn                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.430  
 Group: BASE                      Warn Stage(ft): 27.000  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     24.430                      0.0000  
     27.000                      0.0100

Name: G\_up                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.000  
 Group: BASE                      Warn Stage(ft): 27.660  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     25.000                      0.0000  
     28.000                      0.0100

Name: H                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.810  
 Group: BASE                      Warn Stage(ft): 27.590  
 Type: Stage/Area

Stage(ft)                      Area(ac)  
 -----  
     21.810                      0.0010  
     27.590                      0.0010



23.390      0.4100  
 27.000      0.8000

-----  
 Name: Pond B                      Base Flow(cfs): 0.000              Init Stage(ft): 24.620  
 Group: BASE                              Warn Stage(ft): 29.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 24.620              1.8100  
 29.000              2.0000

-----  
 Name: Pond C                      Base Flow(cfs): 0.000              Init Stage(ft): 23.550  
 Group: BASE                              Warn Stage(ft): 28.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 23.550              0.4000  
 28.000              0.4500

-----  
 Name: Reg\_Pond                      Base Flow(cfs): 0.000              Init Stage(ft): 25.750  
 Group: BASE                              Warn Stage(ft): 30.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 23.000              23.6000  
 24.000              23.8000  
 25.000              24.0000  
 26.000              24.2000  
 27.000              24.4000  
 28.000              24.6000  
 29.000              24.8000  
 30.000              25.0000

-----  
 Name: X2                              Base Flow(cfs): 0.000              Init Stage(ft): 18.500  
 Group: BASE                              Warn Stage(ft): 25.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: X3                              Base Flow(cfs): 0.000              Init Stage(ft): 18.000  
 Group: BASE                              Warn Stage(ft): 25.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----

-----  
 Name: X5                              Base Flow(cfs): 0.000              Init Stage(ft): 22.000  
 Group: BASE                              Warn Stage(ft): 25.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 22.000              1.0500  
 25.000              1.9000

-----  
 Name: X6                              Base Flow(cfs): 0.000              Init Stage(ft): 21.000  
 Group: BASE                              Warn Stage(ft): 23.000  
 Type: Stage/Area

-----  
 Stage(ft)              Area(ac)  
 -----  
 21.000              3.9800  
 23.000              5.5000

```
-----
Name: X7                      Base Flow(cfs): 0.000      Init Stage(ft): 17.000
Group: BASE                   Warn Stage(ft): 23.000
Type: Stage/Area
```

```
-----
Stage(ft)      Area(ac)
-----
```

```
==== Cross Sections =====
```

```
Name: 0                      Group: BASE
Encroachment: No
```

Station(ft)	Elevation(ft)	Manning's N
0.000	27.968	0.045000
4.989	27.848	0.045000
9.978	27.742	0.045000
14.967	27.664	0.045000
19.956	27.618	0.045000
24.946	27.546	0.045000
29.935	27.485	0.045000
34.924	27.440	0.045000
39.913	27.395	0.045000
44.902	27.334	0.045000
49.891	27.294	0.045000
54.880	27.278	0.045000
59.869	27.285	0.045000
64.858	27.227	0.045000
69.848	27.132	0.045000
74.837	27.021	0.045000
79.826	26.941	0.045000
84.815	26.947	0.045000
89.804	26.838	0.045000
94.793	26.786	0.045000
99.782	26.781	0.045000
104.771	26.676	0.045000
109.760	26.597	0.045000
114.749	26.482	0.045000
119.739	26.294	0.045000
124.728	26.015	0.045000
129.717	25.807	0.045000
134.706	25.688	0.045000
139.695	25.666	0.045000
144.684	25.646	0.045000
149.673	25.455	0.045000
154.662	25.317	0.045000
159.651	25.305	0.045000
164.641	25.184	0.045000
169.630	25.118	0.045000
174.619	25.009	0.045000
179.608	25.019	0.045000
184.597	24.845	0.045000
189.586	24.775	0.045000
194.575	24.656	0.045000
199.564	24.564	0.045000
204.553	24.399	0.045000
209.543	24.423	0.045000
214.532	24.552	0.045000
219.521	24.569	0.045000
224.510	24.506	0.045000
229.499	24.299	0.045000
234.488	24.202	0.045000
239.477	24.133	0.045000
244.466	23.965	0.045000
249.455	24.004	0.045000
254.445	23.995	0.045000
259.434	23.927	0.045000
264.423	23.757	0.045000
269.412	23.692	0.045000
274.401	23.723	0.045000
279.390	23.716	0.045000
284.379	23.718	0.045000
289.368	23.667	0.045000
294.357	23.482	0.045000
299.346	23.291	0.045000
304.336	23.284	0.045000
309.325	23.308	0.045000
314.314	23.367	0.045000
319.303	23.453	0.045000
324.292	23.441	0.045000

329.281	23.437	0.045000
334.270	23.334	0.045000
339.259	23.344	0.045000
344.248	23.552	0.045000
349.238	23.673	0.045000
354.227	23.561	0.045000
359.216	23.401	0.045000
364.205	23.465	0.045000
369.194	23.459	0.045000
374.183	23.468	0.045000
379.172	23.439	0.045000
384.161	23.368	0.045000
389.150	23.357	0.045000
394.140	23.329	0.045000
399.129	23.386	0.045000
404.118	23.269	0.045000
409.107	23.250	0.045000
414.096	23.048	0.045000
419.085	23.404	0.045000
424.035	23.719	0.045000
428.984	23.699	0.045000
433.934	23.635	0.045000
438.883	23.831	0.045000
443.833	23.773	0.045000
448.782	23.687	0.045000
453.732	23.670	0.045000
458.681	23.644	0.045000
463.577	23.500	0.045000
466.686	19.000	0.045000
471.453	18.000	0.045000
476.327	19.100	0.045000
481.835	22.600	0.045000
488.379	22.690	0.045000
493.328	22.970	0.045000
498.278	23.051	0.045000
503.227	23.213	0.045000
508.177	23.369	0.045000
513.126	23.248	0.045000
518.076	22.896	0.045000
523.026	22.914	0.045000
527.975	23.366	0.045000
532.925	23.746	0.045000
537.874	23.983	0.045000
542.824	24.148	0.045000
547.773	24.249	0.045000
552.723	24.318	0.045000
557.694	24.398	0.045000
562.665	24.446	0.045000
567.636	24.415	0.045000
572.607	24.460	0.045000
577.578	24.609	0.045000
582.549	24.687	0.045000
587.520	24.775	0.045000
592.491	24.833	0.045000
597.462	24.897	0.045000
602.433	24.892	0.045000
607.405	24.926	0.045000
612.376	24.952	0.045000
617.347	24.996	0.045000
622.318	24.978	0.045000
627.289	25.031	0.045000
632.260	25.111	0.045000
637.231	25.162	0.045000
642.202	25.210	0.045000
647.173	25.259	0.045000
652.042	25.284	0.045000
656.912	25.391	0.045000
661.781	25.378	0.045000
666.650	25.393	0.045000
671.519	25.495	0.045000
676.389	25.514	0.045000
681.258	25.594	0.045000
686.127	25.668	0.045000
690.996	25.721	0.045000
695.866	25.762	0.045000
700.735	25.845	0.045000
705.604	25.898	0.045000
710.473	25.941	0.045000
715.343	25.980	0.045000
720.212	26.045	0.045000
725.081	26.084	0.045000
729.950	26.150	0.045000
734.820	26.262	0.045000
739.689	26.367	0.045000
744.558	26.403	0.045000
749.427	26.484	0.045000
754.296	26.525	0.045000
759.166	26.520	0.045000





Highway 9  
Alternative 3B - Input Report

---

259.549	25.523	0.045000
264.527	25.657	0.045000
269.505	25.823	0.045000
274.483	25.932	0.045000
279.461	25.969	0.045000
284.439	25.954	0.045000
289.417	25.961	0.045000
294.395	25.957	0.045000
299.373	25.880	0.045000
304.351	25.976	0.045000
309.330	26.283	0.045000
314.308	27.315	0.045000
319.286	28.107	0.045000
324.264	28.239	0.045000
329.242	28.216	0.045000
334.220	28.212	0.045000
339.198	28.209	0.045000
344.176	28.205	0.045000
349.154	28.202	0.045000
354.132	28.208	0.045000
359.111	28.169	0.045000
364.089	28.180	0.045000
369.067	28.151	0.045000
374.045	28.104	0.045000
379.023	28.029	0.045000
384.001	28.125	0.045000
388.979	28.184	0.045000
393.957	28.228	0.045000
398.935	28.269	0.045000
403.913	28.310	0.045000
408.892	28.351	0.045000
413.870	28.392	0.045000
418.848	28.432	0.045000
423.826	28.449	0.045000

-----  
Name: A1  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	25.861	0.045000
4.940	25.834	0.045000
9.881	25.841	0.045000
14.821	25.772	0.045000
19.762	25.564	0.045000
24.702	25.349	0.045000
29.643	25.217	0.045000
34.583	25.112	0.045000
39.524	24.924	0.045000
44.464	25.045	0.045000
49.404	24.976	0.045000
54.345	24.958	0.045000
59.285	24.933	0.045000
64.226	24.770	0.045000
69.166	24.684	0.045000
74.107	24.469	0.045000
79.047	24.291	0.045000
83.987	24.337	0.045000
88.928	24.357	0.045000
93.868	24.397	0.045000
98.809	24.464	0.045000
103.749	24.348	0.045000
108.690	24.351	0.045000
113.630	24.425	0.045000
118.571	24.442	0.045000
123.511	24.435	0.045000
128.451	24.535	0.045000
133.392	24.530	0.045000
138.332	24.517	0.045000
143.273	24.555	0.045000
148.213	24.590	0.045000
153.154	24.640	0.045000
158.094	24.622	0.045000
163.034	24.610	0.045000
167.975	24.543	0.045000
172.915	24.584	0.045000
177.856	24.652	0.045000
182.796	24.697	0.045000
187.737	24.806	0.045000
192.677	24.764	0.045000
197.618	24.745	0.045000
202.558	24.729	0.045000
207.498	24.607	0.045000
212.439	24.566	0.045000
217.379	24.558	0.045000

222.320	24.584	0.045000
227.260	24.724	0.045000
232.201	24.865	0.045000
237.141	24.925	0.045000
242.081	24.956	0.045000
247.022	25.053	0.045000
251.962	25.236	0.045000
256.903	25.386	0.045000
261.843	25.384	0.045000
266.784	25.369	0.045000
271.724	25.426	0.045000
276.665	25.336	0.045000
281.605	25.256	0.045000
286.545	25.160	0.045000
291.486	25.111	0.045000
296.426	25.023	0.045000
301.367	24.915	0.045000
306.307	24.835	0.045000
311.248	24.783	0.045000
316.188	24.679	0.045000
321.129	24.189	0.045000
328.572	20.200	0.045000
332.070	20.000	0.045000
337.344	20.300	0.045000
350.712	25.190	0.045000
355.633	25.371	0.045000
360.554	25.535	0.045000
365.474	25.692	0.045000
370.395	25.873	0.045000
375.316	26.172	0.045000
380.237	25.992	0.045000
385.157	26.149	0.045000
390.078	26.137	0.045000
394.999	26.285	0.045000
399.920	26.463	0.045000
404.840	26.249	0.045000
409.761	26.067	0.045000
414.682	26.030	0.045000
419.603	26.124	0.045000
424.523	26.032	0.045000
429.444	26.140	0.045000
434.365	26.175	0.045000
439.286	26.233	0.045000
444.206	26.316	0.045000
449.127	26.503	0.045000
454.048	26.674	0.045000
458.969	26.773	0.045000
463.889	26.859	0.045000
468.810	26.952	0.045000
473.731	27.038	0.045000
478.652	27.112	0.045000
483.572	27.202	0.045000
488.493	27.200	0.045000
493.418	27.192	0.045000
498.343	27.233	0.045000
503.268	27.358	0.045000
508.193	27.303	0.045000
513.118	27.279	0.045000
518.043	27.338	0.045000
522.968	27.295	0.045000
527.893	27.176	0.045000
532.818	27.259	0.045000
537.743	27.447	0.045000
542.668	27.497	0.045000
547.593	27.463	0.045000
552.518	27.420	0.045000
557.443	27.502	0.045000
562.368	27.762	0.045000
567.293	27.932	0.045000
572.218	27.924	0.045000
577.143	27.864	0.045000
582.068	27.951	0.045000
586.993	28.081	0.045000
591.918	28.113	0.045000
596.843	28.119	0.045000
601.768	28.180	0.045000
606.693	28.237	0.045000
611.618	28.273	0.045000
616.543	28.293	0.045000
621.468	28.228	0.045000
626.393	28.115	0.045000
631.318	28.207	0.045000
636.243	28.321	0.045000
641.168	28.442	0.045000
646.093	28.453	0.045000
651.018	28.410	0.045000
655.943	28.367	0.045000
660.868	28.274	0.045000



308.958	27.564	0.045000
313.826	27.550	0.045000
318.695	27.537	0.045000
323.564	27.524	0.045000
328.522	27.512	0.045000
333.481	27.501	0.045000
338.439	27.503	0.045000
343.397	27.478	0.045000
348.356	27.373	0.045000
353.314	27.348	0.045000
358.273	27.415	0.045000
363.231	27.359	0.045000
368.190	27.334	0.045000
373.148	27.361	0.045000
378.106	27.381	0.045000
383.065	27.391	0.045000
388.023	27.409	0.045000
392.982	27.429	0.045000
397.940	27.458	0.045000
402.899	27.436	0.045000
407.857	27.432	0.045000
412.815	27.515	0.045000
417.774	27.572	0.045000
422.732	27.655	0.045000
427.691	27.739	0.045000
432.649	27.818	0.045000
437.608	27.868	0.045000
442.566	27.890	0.045000
447.525	27.912	0.045000
452.483	27.933	0.045000
457.441	27.816	0.045000
462.400	27.764	0.045000
467.358	27.982	0.045000
472.317	27.931	0.045000
477.275	27.848	0.045000
482.234	27.764	0.045000
487.192	27.694	0.045000
492.150	27.700	0.045000
497.109	27.743	0.045000
502.067	27.785	0.045000
507.026	27.815	0.045000
511.984	27.797	0.045000
516.943	27.655	0.045000
521.901	27.612	0.045000
526.859	27.637	0.045000
531.818	27.677	0.045000
536.776	27.712	0.045000
541.735	27.740	0.045000
546.693	27.782	0.045000
551.652	27.812	0.045000
556.610	27.843	0.045000
561.568	27.886	0.045000
566.527	28.055	0.045000
571.485	28.141	0.045000

Name: A3  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	47.896	0.045000
4.982	46.764	0.045000
9.965	42.318	0.045000
14.947	36.976	0.045000
19.930	32.942	0.045000
24.912	29.545	0.045000
29.894	27.685	0.045000
34.877	27.293	0.045000
39.859	27.012	0.045000
44.842	26.757	0.045000
49.824	26.556	0.045000
54.806	26.362	0.045000
59.789	26.183	0.045000
64.771	25.961	0.045000
69.754	25.797	0.045000
74.736	25.561	0.045000
79.718	25.219	0.045000
84.701	24.268	0.045000
89.683	23.420	0.045000
94.666	22.201	0.045000
99.648	21.344	0.045000
104.630	22.451	0.045000
109.531	23.779	0.045000
114.432	25.375	0.045000
119.333	26.454	0.045000



84.546	29.244	0.045000
89.519	28.885	0.045000
94.492	28.408	0.045000
99.465	28.106	0.045000
104.439	28.124	0.045000
109.412	28.247	0.045000
114.385	28.145	0.045000
119.358	28.097	0.045000
124.332	27.827	0.045000
129.305	27.909	0.045000
134.278	28.214	0.045000
139.252	28.217	0.045000
144.225	28.315	0.045000
149.198	28.576	0.045000
154.171	29.113	0.045000
159.145	28.977	0.045000
164.118	28.561	0.045000
169.091	28.182	0.045000
174.064	27.642	0.045000
179.038	26.919	0.045000
184.011	26.045	0.045000
188.016	21.700	0.045000
191.354	21.500	0.045000
195.417	21.600	0.045000
201.138	26.300	0.045000
203.896	27.057	0.045000
208.866	27.703	0.045000
213.835	26.862	0.045000
218.804	25.869	0.045000
223.774	25.828	0.045000
228.743	26.238	0.045000
233.712	26.758	0.045000
238.682	27.090	0.045000
243.651	27.157	0.045000
248.620	27.051	0.045000
253.590	26.984	0.045000
258.559	26.999	0.045000
263.528	26.994	0.045000
268.498	27.028	0.045000
273.467	27.112	0.045000
278.436	27.145	0.045000
283.406	27.077	0.045000
288.375	26.992	0.045000
293.345	26.992	0.045000
298.314	27.037	0.045000
303.283	27.082	0.045000
308.253	26.885	0.045000
313.222	27.044	0.045000
318.191	27.051	0.045000
323.161	27.306	0.045000
328.130	27.401	0.045000
333.099	27.297	0.045000
338.069	27.298	0.045000
343.038	27.396	0.045000
348.007	27.304	0.045000
352.977	27.324	0.045000
357.946	27.372	0.045000
362.915	27.427	0.045000
367.885	27.381	0.045000
372.854	27.301	0.045000
377.823	27.324	0.045000

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 Name: E2  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	30.891	0.045000
4.887	30.635	0.045000
9.775	30.601	0.045000
14.662	30.685	0.045000
19.549	30.696	0.045000
24.436	30.662	0.045000
29.324	30.718	0.045000
34.211	30.846	0.045000
39.098	30.930	0.045000
43.985	30.793	0.045000
48.873	30.764	0.045000
53.760	30.729	0.045000
58.647	30.519	0.045000
63.534	30.361	0.045000
68.422	30.288	0.045000
73.309	30.207	0.045000
78.196	30.014	0.045000
83.084	29.802	0.045000

Highway 9  
 Alternative 3B - Input Report

87.971	29.628	0.045000
92.858	29.476	0.045000
97.745	29.419	0.045000
102.633	29.361	0.045000
107.520	29.215	0.045000
112.407	29.058	0.045000
117.294	28.902	0.045000
122.182	28.711	0.045000
127.069	28.703	0.045000
131.956	28.655	0.045000
136.844	28.663	0.045000
141.731	28.597	0.045000
146.618	28.481	0.045000
151.505	28.548	0.045000
156.393	28.558	0.045000
161.280	28.444	0.045000
166.167	28.305	0.045000
171.054	28.216	0.045000
175.942	28.382	0.045000
180.829	28.505	0.045000
185.716	28.540	0.045000
190.603	28.773	0.045000
195.491	28.949	0.045000
200.378	28.941	0.045000
205.255	28.923	0.045000
210.131	28.812	0.045000
215.008	28.652	0.045000
219.885	28.495	0.045000
224.762	28.420	0.045000
229.638	28.351	0.045000
234.515	28.241	0.045000
239.392	28.133	0.045000
244.268	28.092	0.045000
249.145	28.068	0.045000
254.022	28.297	0.045000
258.899	28.783	0.045000
263.775	29.524	0.045000
268.652	30.497	0.045000
273.529	30.804	0.045000
278.406	28.256	0.045000
283.282	25.169	0.045000
288.159	22.764	0.045000
293.078	23.910	0.045000
297.997	25.935	0.045000
302.915	29.069	0.045000
307.834	30.870	0.045000
312.753	30.309	0.045000
317.672	28.966	0.045000
322.591	27.760	0.045000
327.509	27.205	0.045000
332.428	27.015	0.045000
337.347	26.989	0.045000
342.266	26.932	0.045000
347.185	26.687	0.045000
352.103	26.390	0.045000
357.022	26.095	0.045000
361.941	26.172	0.045000
366.860	26.793	0.045000
371.779	27.456	0.045000
376.697	27.864	0.045000
381.616	27.958	0.045000
386.535	27.890	0.045000
391.454	27.957	0.045000
396.373	28.121	0.045000
401.292	28.318	0.045000
406.210	28.338	0.045000
411.129	28.279	0.045000
416.048	28.300	0.045000
420.967	28.245	0.045000
425.886	28.162	0.045000
430.804	27.931	0.045000
435.723	27.725	0.045000
440.642	27.789	0.045000
445.561	27.940	0.045000
450.480	28.156	0.045000
455.398	28.143	0.045000
460.317	27.903	0.045000
465.236	27.969	0.045000
470.155	28.062	0.045000

Name: E3  
 Encroachment: No

Group: BASE

Station(ft)      Elevation(ft)      Manning's N



0.000	33.829	0.045000
4.942	33.834	0.045000
9.883	33.839	0.045000
14.825	33.840	0.045000
19.766	33.800	0.045000
24.708	33.725	0.045000
29.650	33.676	0.045000
34.591	33.689	0.045000
39.533	33.740	0.045000
44.475	33.767	0.045000
49.416	33.772	0.045000
54.358	33.775	0.045000
59.299	33.763	0.045000
64.241	33.723	0.045000
69.183	33.668	0.045000
74.124	33.607	0.045000
79.066	33.589	0.045000
84.007	33.605	0.045000
88.949	33.621	0.045000
93.891	33.638	0.045000
98.832	33.654	0.045000
103.774	33.670	0.045000
108.715	33.687	0.045000
113.657	33.703	0.045000
118.599	33.719	0.045000
123.540	33.736	0.045000
128.482	33.752	0.045000
133.424	33.769	0.045000
138.365	33.785	0.045000
143.307	33.801	0.045000
148.248	33.818	0.045000
153.190	33.813	0.045000
158.132	33.759	0.045000
163.073	33.695	0.045000
168.015	33.447	0.045000
172.956	32.989	0.045000
177.898	32.738	0.045000
182.840	32.480	0.045000
187.781	32.059	0.045000
192.294	30.700	0.045000
201.257	22.700	0.045000
205.355	21.500	0.045000
209.167	22.100	0.045000
211.324	26.100	0.045000
217.450	27.463	0.045000
222.411	28.178	0.045000
227.372	28.659	0.045000
232.333	28.797	0.045000
237.294	28.649	0.045000
242.255	28.533	0.045000
247.216	28.525	0.045000
252.177	28.477	0.045000
257.138	28.585	0.045000
262.099	28.638	0.045000
267.060	28.723	0.045000
272.021	28.997	0.045000
276.982	29.077	0.045000
281.943	29.385	0.045000
286.904	29.624	0.045000
291.866	29.768	0.045000
296.827	29.903	0.045000
301.788	30.053	0.045000
306.749	30.425	0.045000
311.710	30.669	0.045000
316.671	30.664	0.045000
321.632	30.381	0.045000
326.593	30.300	0.045000
331.554	30.304	0.045000
336.515	30.258	0.045000
341.476	30.234	0.045000
346.437	30.388	0.045000
351.398	30.548	0.045000
356.359	30.593	0.045000
361.320	30.582	0.045000
366.308	30.648	0.045000
371.296	30.654	0.045000
376.284	30.445	0.045000
381.272	30.286	0.045000
386.260	29.993	0.045000
391.248	30.073	0.045000
396.235	30.220	0.045000
401.223	30.222	0.045000
406.211	30.423	0.045000
411.199	30.316	0.045000
416.187	30.291	0.045000
421.175	30.238	0.045000
426.163	30.103	0.045000
431.151	30.159	0.045000



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253.173	31.054	0.045000
255.294	30.700	0.045000
264.257	22.700	0.045000
268.355	21.500	0.045000
272.167	22.100	0.045000
274.324	26.100	0.045000
277.993	27.763	0.045000
282.958	29.267	0.045000
287.922	30.799	0.045000
292.886	30.860	0.045000
297.850	30.585	0.045000
302.814	30.261	0.045000
307.778	30.154	0.045000
312.743	30.036	0.045000
317.707	29.758	0.045000
322.671	29.426	0.045000
327.635	29.110	0.045000
332.599	28.790	0.045000
337.563	28.289	0.045000
342.528	28.166	0.045000
347.492	28.201	0.045000
352.456	27.860	0.045000
357.420	28.063	0.045000
362.384	27.855	0.045000
367.349	27.743	0.045000
372.313	28.130	0.045000
377.277	28.479	0.045000
382.241	28.888	0.045000
387.205	29.238	0.045000
392.169	29.441	0.045000
397.134	29.428	0.045000
402.098	29.557	0.045000
407.062	29.829	0.045000
412.026	29.986	0.045000
416.990	30.013	0.045000
421.954	30.013	0.045000
426.919	30.227	0.045000
431.883	30.252	0.045000
436.847	30.237	0.045000
441.811	30.249	0.045000
446.775	30.183	0.045000
451.739	30.104	0.045000
456.704	30.025	0.045000
461.668	29.971	0.045000
466.632	29.901	0.045000
471.596	29.831	0.045000
476.560	29.817	0.045000
481.524	29.719	0.045000
486.489	29.644	0.045000
491.453	29.672	0.045000
496.417	29.766	0.045000
501.381	29.929	0.045000
506.345	29.941	0.045000
511.309	29.868	0.045000
516.274	29.999	0.045000
521.238	30.265	0.045000
526.202	30.532	0.045000
531.166	30.748	0.045000
536.130	31.053	0.045000
541.115	31.356	0.045000
546.099	31.602	0.045000
551.083	31.703	0.045000
556.068	31.642	0.045000
561.052	31.489	0.045000
566.036	31.561	0.045000
571.020	31.729	0.045000
576.005	31.703	0.045000
580.989	31.651	0.045000
585.973	31.666	0.045000
590.958	31.722	0.045000
595.942	31.733	0.045000
600.926	31.825	0.045000
605.911	31.844	0.045000
610.895	31.903	0.045000
615.879	31.991	0.045000
620.864	32.057	0.045000
625.848	32.147	0.045000
630.832	32.216	0.045000
635.816	32.216	0.045000
640.801	32.213	0.045000
645.785	32.243	0.045000
650.769	32.261	0.045000
655.754	32.289	0.045000
660.738	32.296	0.045000
665.722	32.287	0.045000
670.707	32.284	0.045000
675.691	32.263	0.045000
680.675	32.124	0.045000

Highway 9  
 Alternative 3B - Input Report

685.660	32.032	0.045000
690.644	32.220	0.045000
695.628	32.135	0.045000
700.613	32.222	0.045000
705.597	32.368	0.045000
710.581	32.026	0.045000
715.565	31.956	0.045000
720.550	32.004	0.045000
725.534	31.871	0.045000
730.518	31.942	0.045000
735.503	31.855	0.045000
740.487	31.851	0.045000
745.471	31.882	0.045000
750.456	31.910	0.045000
755.440	32.048	0.045000
760.424	31.816	0.045000
765.409	31.656	0.045000
770.393	31.653	0.045000
775.377	31.731	0.045000
780.362	31.895	0.045000
785.346	32.079	0.045000
790.330	31.997	0.045000
795.314	31.867	0.045000
800.299	31.805	0.045000
805.283	31.860	0.045000
810.267	31.883	0.045000
815.252	31.924	0.045000
820.236	31.863	0.045000
825.220	31.742	0.045000
830.205	31.677	0.045000
835.189	31.741	0.045000
840.173	31.754	0.045000
845.158	31.749	0.045000
850.142	31.756	0.045000
855.126	31.757	0.045000

Name: F  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.649	0.045000
4.947	27.625	0.045000
9.895	27.671	0.045000
14.842	27.749	0.045000
19.789	27.836	0.045000
24.737	27.700	0.045000
29.684	27.567	0.045000
34.632	27.524	0.045000
39.579	27.474	0.045000
44.526	27.445	0.045000
49.474	27.544	0.045000
54.421	27.636	0.045000
59.368	27.598	0.045000
64.316	27.465	0.045000
69.263	27.290	0.045000
74.210	27.240	0.045000
79.158	27.283	0.045000
84.105	27.353	0.045000
89.053	27.425	0.045000
94.000	27.417	0.045000
98.947	27.321	0.045000
103.895	27.236	0.045000
108.842	27.275	0.045000
113.789	27.278	0.045000
118.737	27.172	0.045000
123.684	27.153	0.045000
128.632	27.170	0.045000
133.579	27.171	0.045000
138.526	27.226	0.045000
143.474	27.192	0.045000
148.421	27.143	0.045000
153.368	27.095	0.045000
158.316	27.050	0.045000
163.263	27.152	0.045000
168.210	27.228	0.045000
173.158	27.318	0.045000
178.105	27.277	0.045000
183.053	27.226	0.045000
188.000	27.155	0.045000
192.947	27.035	0.045000
197.895	27.084	0.045000
202.842	27.069	0.045000
207.789	27.109	0.045000
212.737	27.078	0.045000

217.684	26.930	0.045000
222.631	26.949	0.045000
227.579	27.074	0.045000
232.526	27.193	0.045000
237.474	27.193	0.045000
242.421	27.230	0.045000
247.368	27.117	0.045000
252.316	27.191	0.045000
257.263	27.275	0.045000
262.210	27.227	0.045000
267.158	27.241	0.045000
272.105	27.230	0.045000
277.053	27.283	0.045000
282.000	27.302	0.045000
286.947	27.369	0.045000
291.895	27.283	0.045000
296.842	27.153	0.045000
301.789	27.220	0.045000
306.737	26.832	0.045000
311.684	26.768	0.045000
316.631	27.005	0.045000
321.579	27.116	0.045000
326.526	27.079	0.045000
331.474	27.018	0.045000
336.421	26.994	0.045000
341.368	27.091	0.045000
346.316	27.098	0.045000
351.263	26.890	0.045000
356.210	26.670	0.045000
361.158	26.527	0.045000
366.105	26.508	0.045000
371.052	26.579	0.045000
376.000	26.711	0.045000
380.947	26.911	0.045000
385.895	27.166	0.045000
390.842	27.285	0.045000
395.555	27.169	0.045000
400.267	27.128	0.045000
404.980	27.235	0.045000
409.693	27.275	0.045000
414.406	27.164	0.045000
419.118	26.947	0.045000
423.831	26.628	0.045000
428.544	26.322	0.045000
433.256	25.669	0.045000
437.969	24.719	0.045000
442.682	23.744	0.045000
450.668	21.000	0.045000
454.970	19.700	0.045000
459.481	21.200	0.045000
461.562	22.153	0.045000
466.304	24.199	0.045000
471.045	26.735	0.045000
475.787	27.695	0.045000
480.529	28.524	0.045000
485.271	28.711	0.045000
490.013	28.805	0.045000
494.755	28.864	0.045000
499.496	28.905	0.045000
504.238	28.907	0.045000
508.980	28.862	0.045000
513.722	28.755	0.045000
518.464	28.648	0.045000
523.206	28.600	0.045000
527.947	28.573	0.045000

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 Name: F1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.750	0.045000
4.975	27.789	0.045000
9.950	27.758	0.045000
14.926	27.674	0.045000
19.901	27.532	0.045000
24.876	27.704	0.045000
29.851	27.603	0.045000
34.826	27.552	0.045000
39.802	27.510	0.045000
44.777	27.506	0.045000
49.752	27.432	0.045000
54.727	27.491	0.045000
59.703	27.582	0.045000
64.678	27.453	0.045000

Highway 9  
Alternative 3B - Input Report

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69.653	27.512	0.045000
74.628	27.540	0.045000
79.603	27.661	0.045000
84.579	27.736	0.045000
89.554	27.685	0.045000
94.529	27.407	0.045000
99.504	27.390	0.045000
104.479	27.551	0.045000
109.455	27.600	0.045000
114.430	27.503	0.045000
119.405	27.262	0.045000
124.380	27.020	0.045000
129.356	26.977	0.045000
134.331	27.062	0.045000
139.306	27.004	0.045000
144.281	26.987	0.045000
149.256	27.234	0.045000
154.232	27.262	0.045000
159.207	27.262	0.045000
164.182	27.313	0.045000
169.157	27.139	0.045000
174.132	26.891	0.045000
179.108	26.842	0.045000
184.083	26.916	0.045000
189.058	26.940	0.045000
194.033	27.000	0.045000
199.009	27.174	0.045000
203.984	27.288	0.045000
208.959	27.215	0.045000
213.934	27.158	0.045000
218.909	27.211	0.045000
223.885	27.339	0.045000
228.860	27.426	0.045000
233.835	27.454	0.045000
238.810	27.451	0.045000
243.785	27.628	0.045000
248.761	27.438	0.045000
253.736	27.147	0.045000
258.711	27.287	0.045000
263.686	27.284	0.045000
268.662	27.206	0.045000
273.637	26.329	0.045000
278.612	24.155	0.045000
281.454	23.500	0.045000
284.668	21.000	0.045000
288.970	19.700	0.045000
293.481	21.200	0.045000
298.228	24.137	0.045000
302.919	25.647	0.045000
307.610	26.896	0.045000
312.301	27.538	0.045000
316.992	27.949	0.045000
321.683	28.251	0.045000
326.373	28.592	0.045000
331.064	28.951	0.045000
335.755	29.221	0.045000
340.446	29.228	0.045000
345.137	29.176	0.045000
349.827	29.061	0.045000
354.787	29.010	0.045000
359.746	28.584	0.045000
364.705	28.346	0.045000
369.664	28.492	0.045000
374.623	28.520	0.045000
379.582	28.529	0.045000
384.541	28.531	0.045000
389.500	28.527	0.045000
394.459	28.516	0.045000
399.418	28.498	0.045000
404.377	28.480	0.045000
409.336	28.457	0.045000
414.295	28.427	0.045000
419.254	28.444	0.045000
424.213	28.487	0.045000
429.172	28.513	0.045000
434.131	28.546	0.045000
439.090	28.584	0.045000
444.050	28.619	0.045000
449.009	28.652	0.045000
453.968	28.678	0.045000
458.927	28.692	0.045000
463.886	28.705	0.045000
468.845	28.617	0.045000
473.804	28.619	0.045000
478.763	28.626	0.045000
483.722	28.637	0.045000
488.681	28.637	0.045000
493.640	28.632	0.045000



Highway 9  
Alternative 3B - Input Report

246.025	30.630	0.045000
250.945	31.083	0.045000
255.866	31.646	0.045000
260.786	31.766	0.045000
265.707	31.297	0.045000
270.627	30.645	0.045000
275.547	30.016	0.045000
280.282	29.342	0.045000
285.017	28.722	0.045000
289.752	28.124	0.045000
295.162	25.900	0.045000
296.327	25.500	0.045000
298.187	26.300	0.045000
304.070	27.300	0.045000
308.692	28.183	0.045000
313.427	28.579	0.045000
318.161	29.196	0.045000
322.896	29.899	0.045000
327.631	30.860	0.045000
332.366	31.537	0.045000
337.101	31.239	0.045000
341.836	30.772	0.045000
346.571	30.441	0.045000
351.306	30.184	0.045000
356.041	30.224	0.045000
360.949	30.169	0.045000
365.858	30.066	0.045000
370.767	30.062	0.045000
375.676	29.901	0.045000
380.584	29.746	0.045000
385.493	29.959	0.045000
390.402	29.964	0.045000
395.310	29.975	0.045000
400.219	29.992	0.045000
405.128	29.991	0.045000
410.037	29.856	0.045000
414.945	30.024	0.045000
419.854	30.198	0.045000
424.763	30.308	0.045000
429.672	30.294	0.045000
434.580	30.363	0.045000
439.489	30.361	0.045000
444.398	30.383	0.045000
449.306	30.397	0.045000
454.215	30.411	0.045000
459.124	30.559	0.045000
464.033	30.690	0.045000
468.941	30.758	0.045000
473.850	30.569	0.045000
478.759	30.381	0.045000
483.668	30.301	0.045000
488.576	30.229	0.045000
493.485	30.251	0.045000
498.394	30.263	0.045000
503.302	30.173	0.045000
508.211	30.196	0.045000
513.120	30.353	0.045000
518.029	30.687	0.045000
522.937	30.950	0.045000
527.846	31.172	0.045000
532.755	31.238	0.045000
537.663	31.248	0.045000

Name: HWY 57 S  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	33.676	0.045000
4.866	33.611	0.045000
9.732	33.525	0.045000
14.598	33.496	0.045000
19.464	33.513	0.045000
24.330	33.530	0.045000
29.196	33.545	0.045000
34.062	33.564	0.045000
38.928	33.578	0.045000
43.794	33.588	0.045000
48.660	33.602	0.045000
53.526	33.609	0.045000
58.392	33.618	0.045000
63.259	33.604	0.045000
68.125	33.303	0.045000
72.991	32.737	0.045000
77.857	32.140	0.045000



Highway 9  
Alternative 3B - Input Report

82.723	31.628	0.045000
90.000	31.500	0.045000
103.831	30.900	0.045000
109.264	27.400	0.045000
112.984	21.700	0.045000
116.540	21.100	0.045000
121.076	22.000	0.045000
124.320	28.300	0.045000
131.291	28.887	0.045000
136.147	29.394	0.045000
141.002	29.615	0.045000
145.905	29.791	0.045000
150.808	30.039	0.045000
155.711	30.349	0.045000
160.614	30.358	0.045000
165.517	30.355	0.045000
170.420	30.479	0.045000
175.323	30.668	0.045000
180.226	30.852	0.045000
185.129	30.951	0.045000
190.032	31.105	0.045000
194.935	31.187	0.045000
199.838	31.134	0.045000
204.741	31.153	0.045000
209.644	31.331	0.045000
214.547	31.538	0.045000
219.450	31.562	0.045000
224.353	31.615	0.045000
229.256	31.647	0.045000
234.159	31.539	0.045000
239.062	31.514	0.045000
243.965	31.567	0.045000
248.868	31.640	0.045000
253.771	31.628	0.045000
258.674	31.704	0.045000
263.577	31.798	0.045000
268.480	31.816	0.045000
273.383	31.750	0.045000
278.286	31.792	0.045000
283.189	31.965	0.045000
288.092	32.010	0.045000
292.995	31.930	0.045000
297.898	31.733	0.045000

Name: HWY 9 US                      Group: BASE  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	29.017	0.045000
4.924	29.029	0.045000
9.848	28.839	0.045000
14.772	28.220	0.045000
19.696	26.684	0.045000
24.621	25.496	0.045000
29.545	25.564	0.045000
34.469	25.861	0.045000
39.393	26.303	0.045000
44.317	26.704	0.045000
49.241	26.362	0.045000
54.165	25.060	0.045000
54.176	24.800	0.045000
60.206	21.500	0.045000
66.625	21.000	0.045000
67.978	18.700	0.045000
71.907	18.100	0.045000
75.475	20.000	0.045000
79.606	23.800	0.045000
83.390	24.400	0.045000
84.078	25.010	0.045000
89.076	25.514	0.045000
94.073	25.926	0.045000
99.071	25.831	0.045000
104.063	25.674	0.045000
109.056	25.666	0.045000
114.048	25.399	0.045000
119.041	24.940	0.045000
124.033	24.747	0.045000
129.026	24.447	0.045000
134.018	24.293	0.045000
139.011	24.581	0.045000
144.003	24.952	0.045000
148.996	24.712	0.045000
153.988	24.536	0.045000
158.981	24.550	0.045000



321.103	27.614	0.045000
325.926	27.879	0.045000
330.748	28.120	0.045000
335.571	28.307	0.045000
340.394	28.311	0.045000
345.217	28.288	0.045000
350.040	28.249	0.045000
354.863	28.352	0.045000
359.685	28.499	0.045000
364.508	28.574	0.045000
369.331	28.671	0.045000
374.154	28.794	0.045000
378.977	28.846	0.045000
383.799	28.861	0.045000
388.622	28.878	0.045000
393.445	28.892	0.045000
398.268	28.899	0.045000
403.175	28.920	0.045000
408.082	28.898	0.045000
412.989	28.871	0.045000
417.896	28.857	0.045000
422.803	28.793	0.045000
427.710	28.699	0.045000
432.617	28.625	0.045000
437.524	28.681	0.045000
442.431	28.846	0.045000
447.338	28.972	0.045000
452.245	29.053	0.045000
457.152	29.125	0.045000
462.059	29.162	0.045000
466.966	29.120	0.045000
471.873	28.971	0.045000
476.780	29.038	0.045000
481.687	28.900	0.045000
486.594	28.850	0.045000
491.501	28.858	0.045000
496.408	28.871	0.045000

Name: J1  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	29.299	0.045000
4.997	29.237	0.045000
9.995	29.271	0.045000
14.992	29.289	0.045000
19.989	29.289	0.045000
24.987	29.297	0.045000
29.984	29.224	0.045000
34.981	29.244	0.045000
39.979	29.223	0.045000
44.976	29.127	0.045000
49.973	29.000	0.045000
54.971	29.100	0.045000
59.968	29.218	0.045000
64.965	29.288	0.045000
69.963	29.354	0.045000
74.960	29.317	0.045000
79.957	29.182	0.045000
84.955	29.174	0.045000
89.952	29.307	0.045000
94.949	29.101	0.045000
99.947	28.984	0.045000
104.944	28.942	0.045000
109.941	28.963	0.045000
114.939	28.967	0.045000
119.936	28.782	0.045000
124.933	28.631	0.045000
129.931	28.796	0.045000
134.928	28.943	0.045000
139.925	28.929	0.045000
144.923	28.865	0.045000
149.920	28.922	0.045000
154.912	28.884	0.045000
159.903	28.805	0.045000
164.895	28.854	0.045000
169.886	28.746	0.045000
174.878	28.696	0.045000
179.870	28.726	0.045000
184.861	28.740	0.045000
189.853	28.727	0.045000
194.844	28.611	0.045000
199.836	28.460	0.045000
204.828	28.243	0.045000

209.819	28.210	0.045000
214.811	28.450	0.045000
219.802	28.627	0.045000
224.794	28.493	0.045000
229.785	28.451	0.045000
234.777	28.479	0.045000
239.769	28.538	0.045000
244.760	28.674	0.045000
249.752	28.605	0.045000
254.743	28.529	0.045000
259.735	28.622	0.045000
264.727	28.580	0.045000
269.718	28.583	0.045000
274.710	28.489	0.045000
279.701	28.668	0.045000
284.693	28.713	0.045000
289.685	28.544	0.045000
294.676	28.531	0.045000
299.668	28.538	0.045000
304.659	28.695	0.045000
309.651	28.900	0.045000
314.643	28.920	0.045000
319.634	28.912	0.045000
324.626	28.790	0.045000
329.617	28.792	0.045000
334.609	28.740	0.045000
339.601	28.532	0.045000
344.592	28.316	0.045000
349.584	28.210	0.045000
354.575	28.172	0.045000
359.567	28.091	0.045000
364.558	28.131	0.045000
369.550	28.215	0.045000
374.542	28.349	0.045000
379.533	28.843	0.045000
384.525	29.229	0.045000
389.516	29.319	0.045000
394.508	29.526	0.045000
399.500	29.735	0.045000
404.491	29.677	0.045000
409.483	29.184	0.045000
414.474	28.275	0.045000
417.257	27.300	0.045000
422.711	23.600	0.045000
425.192	23.400	0.045000
427.204	23.500	0.045000
431.148	27.600	0.045000
439.252	28.856	0.045000
444.183	29.149	0.045000
449.114	29.501	0.045000
454.045	29.548	0.045000
458.977	29.345	0.045000
463.908	29.155	0.045000
468.839	28.875	0.045000
473.771	28.706	0.045000
478.702	28.527	0.045000
483.633	28.558	0.045000
488.565	28.623	0.045000
493.496	28.442	0.045000
498.427	28.387	0.045000
503.358	28.536	0.045000
508.290	28.733	0.045000
513.221	28.810	0.045000
518.152	28.797	0.045000
523.084	28.747	0.045000
528.015	28.754	0.045000
532.946	28.803	0.045000
537.878	28.854	0.045000
542.809	28.949	0.045000
547.740	29.067	0.045000
552.672	29.192	0.045000
557.603	29.251	0.045000
562.534	29.193	0.045000
567.465	29.162	0.045000
572.397	29.199	0.045000
577.361	29.269	0.045000
582.325	29.311	0.045000
587.289	29.492	0.045000
592.254	29.771	0.045000
597.218	29.856	0.045000
602.182	29.965	0.045000
607.146	30.077	0.045000
612.110	30.106	0.045000
617.074	30.415	0.045000
622.039	31.316	0.045000
627.003	31.381	0.045000
631.967	30.986	0.045000
636.931	30.648	0.045000

641.895	30.561	0.045000
646.875	30.505	0.045000
651.854	30.460	0.045000
656.833	30.404	0.045000
661.812	30.315	0.045000
666.791	30.189	0.045000
671.770	30.143	0.045000
676.749	30.120	0.045000
681.728	30.204	0.045000
686.708	30.428	0.045000
691.687	30.475	0.045000
696.666	30.454	0.045000
701.645	30.440	0.045000
706.624	30.426	0.045000
711.603	30.410	0.045000
716.582	30.340	0.045000
721.562	30.215	0.045000
726.541	30.075	0.045000
731.520	29.937	0.045000
736.499	29.814	0.045000
741.478	29.791	0.045000
746.457	29.852	0.045000
751.436	29.961	0.045000
756.415	30.130	0.045000
761.395	30.171	0.045000
766.374	30.127	0.045000
771.353	30.144	0.045000
776.332	30.211	0.045000
781.311	30.209	0.045000
786.290	30.112	0.045000
791.269	30.122	0.045000
796.249	30.178	0.045000
801.228	30.267	0.045000
806.207	30.399	0.045000
811.186	30.606	0.045000
816.165	30.843	0.045000
821.144	30.990	0.045000

Name: K  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	34.136	0.045000
4.956	33.582	0.045000
9.912	33.641	0.045000
14.867	33.303	0.045000
19.823	32.724	0.045000
24.779	32.546	0.045000
29.735	32.601	0.045000
34.690	32.633	0.045000
39.646	32.652	0.045000
44.602	32.643	0.045000
49.558	32.575	0.045000
54.513	32.612	0.045000
59.469	32.593	0.045000
64.425	32.523	0.045000
69.381	32.527	0.045000
74.336	32.571	0.045000
79.292	32.634	0.045000
84.248	32.523	0.045000
89.204	32.430	0.045000
94.160	32.407	0.045000
99.115	32.397	0.045000
104.071	32.291	0.045000
109.027	32.278	0.045000
113.983	32.187	0.045000
118.938	32.111	0.045000
123.894	32.086	0.045000
128.850	32.013	0.045000
133.806	31.865	0.045000
138.761	31.765	0.045000
143.717	31.780	0.045000
148.673	31.743	0.045000
153.629	31.615	0.045000
158.585	31.438	0.045000
163.540	31.307	0.045000
168.496	31.164	0.045000
173.452	31.031	0.045000
178.408	30.933	0.045000
183.363	30.848	0.045000
188.319	30.733	0.045000
193.275	30.624	0.045000
198.231	30.680	0.045000
203.186	30.540	0.045000

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208.142	30.409	0.045000
213.098	30.349	0.045000
218.054	30.435	0.045000
223.009	30.358	0.045000
227.965	30.227	0.045000
232.921	30.127	0.045000
237.877	30.068	0.045000
242.833	29.937	0.045000
247.788	29.763	0.045000
252.744	29.723	0.045000
257.700	29.683	0.045000
262.656	29.602	0.045000
267.611	29.535	0.045000
272.567	29.500	0.045000
277.523	29.412	0.045000
282.479	29.255	0.045000
287.434	29.080	0.045000
292.390	29.102	0.045000
297.346	29.264	0.045000
302.302	29.367	0.045000
307.258	29.369	0.045000
312.213	29.283	0.045000
317.169	29.287	0.045000
322.125	29.348	0.045000
327.081	29.247	0.045000
332.036	29.052	0.045000
336.992	28.875	0.045000
341.948	28.896	0.045000
346.904	29.076	0.045000
351.859	28.831	0.045000
356.815	28.770	0.045000
361.771	28.676	0.045000
366.727	28.682	0.045000
371.682	28.629	0.045000
376.638	28.647	0.045000
381.594	28.788	0.045000
386.550	28.944	0.045000
391.506	29.119	0.045000
396.461	29.177	0.045000
401.417	29.250	0.045000
406.373	29.493	0.045000
411.329	29.654	0.045000
441.063	30.462	0.045000
446.019	30.168	0.045000
450.975	29.507	0.045000
455.931	28.833	0.045000
460.886	27.712	0.045000
465.842	26.329	0.045000
470.816	26.615	0.045000
475.791	28.551	0.045000
480.765	29.355	0.045000
485.739	29.306	0.045000
490.713	29.644	0.045000
495.688	30.179	0.045000
500.662	30.471	0.045000
505.636	30.287	0.045000
510.610	29.875	0.045000
515.585	29.420	0.045000
520.559	29.183	0.045000
525.533	29.085	0.045000
530.507	29.067	0.045000
535.482	29.066	0.045000
540.456	28.990	0.045000
545.430	29.161	0.045000
550.404	29.417	0.045000
555.379	29.458	0.045000
560.353	29.331	0.045000
565.327	29.392	0.045000
570.302	29.333	0.045000
575.276	29.112	0.045000
580.250	29.027	0.045000
585.224	29.116	0.045000
590.199	29.182	0.045000
595.173	29.227	0.045000
600.147	29.410	0.045000
605.121	29.557	0.045000
610.096	29.416	0.045000
615.070	29.392	0.045000
620.044	29.545	0.045000
625.018	29.576	0.045000
629.993	29.566	0.045000
634.967	29.728	0.045000
639.941	29.845	0.045000
644.915	29.840	0.045000
649.890	29.918	0.045000
654.864	29.955	0.045000
659.838	29.948	0.045000
664.813	29.940	0.045000

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669.787	29.863	0.045000
674.761	29.770	0.045000
679.735	29.815	0.045000
684.710	29.799	0.045000
689.684	29.729	0.045000
694.658	29.723	0.045000
699.632	29.751	0.045000
704.607	29.762	0.045000
709.581	29.833	0.045000
714.555	29.793	0.045000
719.529	29.739	0.045000
724.504	29.814	0.045000
729.478	30.189	0.045000
734.452	30.256	0.045000
739.426	30.337	0.045000
744.401	30.491	0.045000
749.375	30.517	0.045000
754.349	30.332	0.045000
759.324	30.226	0.045000
764.298	30.016	0.045000
769.272	29.863	0.045000
774.246	29.895	0.045000
779.221	30.078	0.045000
784.195	30.101	0.045000
789.169	29.954	0.045000
794.143	29.844	0.045000
799.118	30.010	0.045000
804.092	29.976	0.045000
809.066	29.857	0.045000
814.040	29.816	0.045000
819.015	29.940	0.045000
823.989	30.032	0.045000
828.963	30.079	0.045000
833.937	30.132	0.045000
838.912	30.208	0.045000
843.886	30.119	0.045000
848.860	30.024	0.045000
853.835	30.144	0.045000
858.809	30.189	0.045000
863.783	30.006	0.045000
868.757	29.754	0.045000
873.732	29.668	0.045000
878.706	29.633	0.045000
883.680	29.655	0.045000
888.654	29.807	0.045000
893.629	29.906	0.045000
898.603	29.959	0.045000
903.577	29.933	0.045000
908.551	29.820	0.045000
913.526	29.661	0.045000
918.500	29.598	0.045000
923.474	29.608	0.045000
928.448	29.820	0.045000
933.423	29.842	0.045000
938.397	29.855	0.045000
943.371	29.894	0.045000
948.345	29.938	0.045000
953.320	29.794	0.045000
958.294	29.659	0.045000
963.268	29.537	0.045000
968.243	29.357	0.045000
973.217	29.542	0.045000
978.191	29.431	0.045000
983.165	30.241	0.045000
988.140	29.981	0.045000
993.114	29.694	0.045000
998.088	29.665	0.045000
1003.062	29.735	0.045000
1008.037	29.526	0.045000
1013.011	29.640	0.045000
1017.985	29.585	0.045000
1022.959	30.118	0.045000
1027.934	30.378	0.045000
1032.908	30.167	0.045000
1037.882	29.915	0.045000
1042.856	29.635	0.045000
1047.831	29.841	0.045000
1052.805	30.076	0.045000
1057.779	30.374	0.045000
1062.754	30.896	0.045000
1067.728	29.827	0.045000
1072.702	29.837	0.045000
1077.676	30.289	0.045000
1082.651	30.523	0.045000
1087.625	30.624	0.045000
1092.599	30.545	0.045000
1097.573	30.766	0.045000
1102.548	30.627	0.045000

Highway 9  
 Alternative 3B - Input Report

1107.522	30.557	0.045000
1112.496	31.005	0.045000
1117.470	31.053	0.045000
1122.445	31.109	0.045000
1127.419	31.151	0.045000
1132.393	30.994	0.045000
1137.367	30.924	0.045000
1142.342	30.895	0.045000
1147.316	31.095	0.045000
1152.290	31.109	0.045000
1157.265	31.022	0.045000
1162.239	31.156	0.045000
1167.213	31.252	0.045000
1172.187	31.368	0.045000
1177.162	31.528	0.045000
1182.136	31.836	0.045000

Name: X4  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	27.789	0.045000
4.963	27.834	0.045000
9.927	27.826	0.045000
14.890	27.878	0.045000
19.853	27.993	0.045000
24.817	28.026	0.045000
29.780	27.949	0.045000
34.744	27.794	0.045000
39.707	27.511	0.045000
44.670	27.162	0.045000
49.634	26.784	0.045000
54.597	26.537	0.045000
59.560	26.572	0.045000
64.524	26.660	0.045000
69.487	26.520	0.045000
74.450	26.356	0.045000
79.414	26.269	0.045000
84.377	26.130	0.045000
89.341	25.898	0.045000
94.304	25.657	0.045000
99.267	25.619	0.045000
104.231	25.686	0.045000
109.194	25.732	0.045000
114.157	25.608	0.045000
119.121	25.377	0.045000
124.084	25.261	0.045000
129.047	25.366	0.045000
134.011	25.187	0.045000
138.974	25.021	0.045000
143.937	25.129	0.045000
148.901	25.193	0.045000
153.864	25.151	0.045000
158.828	25.134	0.045000
163.791	25.082	0.045000
168.754	25.098	0.045000
173.718	25.131	0.045000
178.681	25.160	0.045000
183.644	25.087	0.045000
188.608	25.070	0.045000
193.571	25.189	0.045000
198.534	25.231	0.045000
203.498	25.226	0.045000
208.461	25.280	0.045000
213.425	25.108	0.045000
218.388	24.970	0.045000
223.351	24.972	0.045000
228.315	25.027	0.045000
233.278	24.888	0.045000
238.241	24.619	0.045000
243.205	24.410	0.045000
248.168	24.220	0.045000
253.131	24.086	0.045000
258.095	24.083	0.045000
263.058	24.119	0.045000
268.022	24.156	0.045000
272.985	23.984	0.045000
277.948	23.867	0.045000
282.912	23.764	0.045000
287.875	23.674	0.045000
292.838	23.648	0.045000
297.802	23.560	0.045000
302.765	23.437	0.045000
307.728	23.442	0.045000



312.692	23.292	0.045000
317.655	23.078	0.045000
322.619	23.079	0.045000
327.582	23.008	0.045000
332.545	23.112	0.045000
337.509	23.113	0.045000
342.472	23.126	0.045000
347.435	22.994	0.045000
352.399	23.038	0.045000
357.362	23.169	0.045000
362.325	23.299	0.045000
367.289	23.311	0.045000
372.252	23.302	0.045000
377.216	23.375	0.045000
382.179	23.448	0.045000
387.142	23.486	0.045000
392.106	23.416	0.045000
397.069	23.315	0.045000
402.032	23.309	0.045000
406.996	23.352	0.045000
411.959	23.284	0.045000
416.922	23.142	0.045000
421.886	23.063	0.045000
426.849	23.049	0.045000
431.812	23.237	0.045000
436.776	23.715	0.045000
441.739	23.846	0.045000
446.510	22.840	0.045000
451.686	19.000	0.045000
456.453	18.000	0.045000
461.327	19.100	0.045000
465.595	20.899	0.045000
470.367	22.721	0.045000
475.138	23.541	0.045000
479.909	23.554	0.045000
484.680	23.454	0.045000
489.452	23.713	0.045000
494.223	23.753	0.045000
498.994	23.357	0.045000
503.765	23.174	0.045000
508.537	23.000	0.045000
513.308	22.904	0.045000
518.079	22.782	0.045000
522.850	22.639	0.045000
527.622	22.512	0.045000
532.393	22.402	0.045000
537.381	22.369	0.045000
542.369	22.404	0.045000
547.357	22.317	0.045000
552.346	22.270	0.045000
557.334	22.345	0.045000
562.322	22.417	0.045000
567.310	22.502	0.045000
572.298	22.903	0.045000
577.286	23.386	0.045000
582.275	23.476	0.045000
587.263	23.346	0.045000
592.251	23.164	0.045000
597.239	23.158	0.045000
602.227	22.982	0.045000
607.216	23.045	0.045000
612.204	23.067	0.045000
617.192	23.086	0.045000
622.180	23.169	0.045000
627.168	23.198	0.045000
632.156	22.973	0.045000
637.145	22.956	0.045000
642.133	23.147	0.045000
647.121	23.293	0.045000
652.109	23.234	0.045000
657.097	23.058	0.045000
662.085	22.929	0.045000
667.074	23.106	0.045000
672.062	23.160	0.045000
677.050	23.033	0.045000
682.038	22.934	0.045000
687.026	22.882	0.045000
692.015	23.089	0.045000
697.003	23.202	0.045000
701.991	23.342	0.045000
706.979	23.545	0.045000
711.967	23.552	0.045000
716.955	23.669	0.045000
721.944	23.686	0.045000
726.932	23.665	0.045000
731.920	23.604	0.045000
736.908	23.537	0.045000
741.896	23.444	0.045000

746.885	23.476	0.045000
751.873	23.569	0.045000
756.861	23.590	0.045000
761.849	23.542	0.045000
766.837	23.514	0.045000
771.825	23.450	0.045000
776.814	23.529	0.045000
781.802	23.580	0.045000
786.790	23.568	0.045000
791.778	23.642	0.045000
796.766	23.726	0.045000
801.754	23.710	0.045000
806.743	23.612	0.045000
811.731	23.555	0.045000
816.719	23.622	0.045000
821.707	23.671	0.045000
826.695	23.701	0.045000
831.684	23.869	0.045000
836.672	23.977	0.045000
841.660	24.065	0.045000
846.648	24.176	0.045000
851.636	24.298	0.045000
856.624	24.386	0.045000
861.613	24.467	0.045000
866.601	24.448	0.045000
871.589	24.379	0.045000
876.577	24.367	0.045000
881.488	24.362	0.045000
886.398	24.355	0.045000
891.309	24.461	0.045000
896.219	24.734	0.045000
901.129	25.006	0.045000
906.040	25.059	0.045000
910.950	25.006	0.045000
915.861	25.052	0.045000
920.771	25.039	0.045000
925.682	25.052	0.045000
930.592	25.068	0.045000
935.503	25.145	0.045000
940.413	25.199	0.045000
945.324	25.137	0.045000
950.234	24.823	0.045000
955.145	24.957	0.045000
960.055	25.218	0.045000
964.966	25.390	0.045000
969.876	25.364	0.045000
974.786	25.431	0.045000
979.697	25.410	0.045000
984.607	25.364	0.045000
989.518	25.368	0.045000
994.428	25.450	0.045000
999.339	25.494	0.045000
1004.249	25.505	0.045000
1009.160	25.656	0.045000
1014.070	25.947	0.045000
1018.981	26.252	0.045000
1023.891	26.573	0.045000
1028.802	26.703	0.045000
1033.712	26.699	0.045000
1038.622	26.576	0.045000
1043.533	26.464	0.045000
1048.443	26.307	0.045000
1053.354	26.272	0.045000
1058.264	26.263	0.045000
1063.175	26.423	0.045000
1068.085	26.510	0.045000
1072.996	26.640	0.045000
1077.906	26.780	0.045000
1082.817	26.799	0.045000
1087.727	26.827	0.045000
1092.638	26.856	0.045000
1097.548	26.877	0.045000

Name: X7  
 Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	26.426	0.045000
4.906	26.348	0.045000
9.812	26.204	0.045000
14.717	26.178	0.045000
19.623	26.127	0.045000
24.529	26.170	0.045000
29.435	25.987	0.045000

34.340	25.991	0.045000
39.246	26.256	0.045000
44.152	26.536	0.045000
49.058	26.542	0.045000
53.963	26.452	0.045000
58.869	26.385	0.045000
63.775	26.370	0.045000
68.681	26.494	0.045000
73.586	26.520	0.045000
78.492	26.418	0.045000
83.398	26.429	0.045000
88.304	26.587	0.045000
93.210	26.618	0.045000
98.115	26.517	0.045000
103.021	26.404	0.045000
107.927	26.358	0.045000
112.833	26.503	0.045000
117.738	26.499	0.045000
122.644	26.136	0.045000
127.550	26.256	0.045000
132.456	26.214	0.045000
137.361	26.148	0.045000
142.267	26.053	0.045000
147.173	26.013	0.045000
152.079	26.012	0.045000
156.984	26.007	0.045000
161.890	25.981	0.045000
166.796	26.024	0.045000
171.702	26.100	0.045000
176.700	26.129	0.045000
181.699	25.926	0.045000
186.697	25.605	0.045000
191.695	25.720	0.045000
196.694	25.756	0.045000
201.692	25.787	0.045000
206.691	25.743	0.045000
211.689	25.642	0.045000
216.688	25.416	0.045000
221.686	25.283	0.045000
226.684	25.096	0.045000
231.683	24.925	0.045000
236.681	24.669	0.045000
241.680	24.616	0.045000
246.678	24.471	0.045000
251.677	24.063	0.045000
256.675	23.596	0.045000
261.673	23.161	0.045000
266.672	23.017	0.045000
271.670	22.872	0.045000
276.669	22.610	0.045000
281.667	22.506	0.045000
286.666	22.449	0.045000
291.664	22.318	0.045000
296.662	22.161	0.045000
301.661	21.988	0.045000
306.659	21.890	0.045000
311.658	21.841	0.045000
316.656	21.638	0.045000
321.655	21.429	0.045000
326.653	21.284	0.045000
331.651	20.990	0.045000
336.650	20.708	0.045000
341.648	20.442	0.045000
346.647	20.216	0.045000
351.645	20.230	0.045000
356.644	20.229	0.045000
361.642	20.129	0.045000
366.640	20.025	0.045000
371.639	20.025	0.045000
376.637	20.069	0.045000
381.636	20.204	0.045000
386.634	20.276	0.045000
391.633	20.407	0.045000
396.631	20.557	0.045000
401.629	20.603	0.045000
406.628	20.584	0.045000
411.626	20.510	0.045000
416.625	20.524	0.045000
421.623	20.491	0.045000
426.622	20.411	0.045000
431.620	20.346	0.045000
436.618	20.387	0.045000
441.617	20.461	0.045000
446.615	20.369	0.045000
451.614	20.322	0.045000
456.612	20.297	0.045000
461.611	20.232	0.045000
466.609	20.292	0.045000

Highway 9  
Alternative 3B - Input Report

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471.607	20.400	0.045000
476.606	20.526	0.045000
481.604	20.499	0.045000
486.603	20.433	0.045000
491.601	20.466	0.045000
496.600	20.439	0.045000
501.598	20.582	0.045000
506.596	20.845	0.045000
511.595	20.974	0.045000
516.593	20.982	0.045000
521.592	21.052	0.045000
526.590	21.144	0.045000
531.589	20.903	0.045000
536.587	20.608	0.045000
541.585	20.248	0.045000
546.584	19.941	0.045000
548.686	18.000	0.045000
553.453	17.000	0.045000
558.327	18.100	0.045000
561.579	20.098	0.045000
566.578	20.169	0.045000
571.550	20.998	0.045000
576.523	22.565	0.045000
581.496	23.072	0.045000
586.469	22.398	0.045000
591.441	22.282	0.045000
596.414	22.215	0.045000
601.387	22.131	0.045000
606.360	22.072	0.045000
611.332	22.023	0.045000
616.305	21.948	0.045000
621.278	21.887	0.045000
626.251	21.826	0.045000
631.223	21.765	0.045000
636.196	21.704	0.045000
641.169	21.643	0.045000
646.142	21.582	0.045000
651.115	21.521	0.045000
656.087	21.460	0.045000
661.060	21.399	0.045000
666.033	21.338	0.045000
671.006	21.278	0.045000
675.978	21.217	0.045000
680.951	21.156	0.045000
685.924	21.095	0.045000
690.897	21.034	0.045000
695.869	20.973	0.045000
700.842	20.912	0.045000
705.815	20.854	0.045000
710.788	20.800	0.045000
715.760	20.784	0.045000
720.733	20.804	0.045000
725.706	21.515	0.045000
730.679	22.217	0.045000
735.652	22.783	0.045000
740.624	23.296	0.045000
745.597	23.726	0.045000
750.570	24.056	0.045000
755.543	24.275	0.045000
760.515	24.552	0.045000
765.488	24.871	0.045000
770.461	25.111	0.045000
775.434	25.295	0.045000
780.406	25.420	0.045000
785.379	25.565	0.045000
790.352	25.667	0.045000
795.325	25.733	0.045000
800.297	25.805	0.045000
805.270	25.976	0.045000
810.243	26.087	0.045000
815.216	26.219	0.045000
820.188	26.295	0.045000
825.161	26.281	0.045000
830.134	26.290	0.045000
835.107	26.279	0.045000
840.080	26.319	0.045000
845.052	26.357	0.045000
850.025	26.349	0.045000
854.998	26.339	0.045000
859.971	26.308	0.045000
864.943	26.277	0.045000
869.916	26.292	0.045000

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Name: X8  
Encroachment: No

Group: BASE

Station(ft)	Elevation(ft)	Manning's N
0.000	22.801	0.045000
4.889	22.735	0.045000
9.778	22.811	0.045000
14.667	22.820	0.045000
19.556	23.023	0.045000
24.445	23.111	0.045000
29.334	23.120	0.045000
34.223	23.174	0.045000
39.112	23.222	0.045000
44.001	23.147	0.045000
48.891	23.155	0.045000
53.780	23.204	0.045000
58.669	23.304	0.045000
63.558	23.363	0.045000
68.447	23.360	0.045000
73.336	23.347	0.045000
78.225	23.351	0.045000
83.114	23.292	0.045000
88.003	23.389	0.045000
92.892	23.434	0.045000
97.781	23.307	0.045000
102.670	23.307	0.045000
107.559	23.391	0.045000
112.448	23.459	0.045000
117.337	23.423	0.045000
122.226	23.399	0.045000
127.115	23.310	0.045000
132.004	23.169	0.045000
136.862	23.145	0.045000
141.721	23.075	0.045000
146.579	23.011	0.045000
151.437	23.111	0.045000
156.295	23.214	0.045000
161.153	23.126	0.045000
166.011	23.122	0.045000
170.869	23.097	0.045000
175.727	23.036	0.045000
180.585	22.990	0.045000
185.443	22.945	0.045000
190.301	22.921	0.045000
195.159	22.863	0.045000
200.017	22.730	0.045000
204.876	22.788	0.045000
209.734	22.823	0.045000
214.592	22.826	0.045000
219.450	22.803	0.045000
224.308	22.775	0.045000
229.166	22.742	0.045000
234.024	22.756	0.045000
238.981	22.688	0.045000
243.939	22.558	0.045000
248.896	22.460	0.045000
253.854	22.568	0.045000
258.811	22.589	0.045000
263.768	22.630	0.045000
268.726	22.654	0.045000
273.683	22.441	0.045000
278.640	22.509	0.045000
283.598	22.310	0.045000
288.555	22.031	0.045000
293.512	21.909	0.045000
298.470	21.908	0.045000
303.427	21.869	0.045000
308.385	21.846	0.045000
313.342	21.786	0.045000
318.299	21.576	0.045000
323.257	21.348	0.045000
328.214	21.319	0.045000
333.171	21.158	0.045000
338.129	21.015	0.045000
343.086	21.003	0.045000
348.044	21.010	0.045000
353.001	20.956	0.045000
357.958	20.953	0.045000
362.916	20.853	0.045000
367.873	20.688	0.045000
372.830	20.553	0.045000
377.788	20.532	0.045000
382.745	20.387	0.045000
387.703	20.219	0.045000
392.660	20.127	0.045000
397.617	19.964	0.045000
402.575	19.968	0.045000
407.532	19.735	0.045000
412.489	19.291	0.045000

417.447	19.000	0.045000
422.404	18.966	0.045000
427.362	18.962	0.045000
432.319	18.861	0.045000
437.276	18.782	0.045000
442.234	18.693	0.045000
447.191	18.576	0.045000
452.148	18.379	0.045000
457.106	18.319	0.045000
462.063	18.306	0.045000
467.021	18.206	0.045000
471.978	18.155	0.045000
476.935	18.207	0.045000
481.893	18.193	0.045000
486.850	18.209	0.045000
491.807	18.234	0.045000
496.765	18.158	0.045000
501.722	18.032	0.045000
506.680	17.857	0.045000
511.637	17.794	0.045000
516.594	17.992	0.045000
521.552	17.963	0.045000
526.509	17.899	0.045000
531.466	17.877	0.045000
536.424	17.878	0.045000
541.381	17.906	0.045000
546.339	17.910	0.045000
551.296	17.953	0.045000
556.253	18.074	0.045000
561.211	18.110	0.045000
566.168	18.047	0.045000
571.125	18.098	0.045000
576.083	18.084	0.045000
581.040	18.189	0.045000
585.998	18.202	0.045000
590.955	18.089	0.045000
595.912	17.995	0.045000
600.870	18.031	0.045000
605.827	17.918	0.045000
610.784	17.832	0.045000
615.742	17.815	0.045000
620.699	17.843	0.045000
625.657	17.875	0.045000
630.614	17.894	0.045000
635.571	17.874	0.045000
640.529	17.828	0.045000
645.486	17.863	0.045000
650.443	17.847	0.045000
654.686	17.000	0.045000
659.453	16.000	0.045000
664.327	17.100	0.045000
670.273	17.923	0.045000
675.230	18.029	0.045000
680.188	18.113	0.045000
685.145	18.165	0.045000
690.102	18.332	0.045000
695.060	18.585	0.045000
699.991	18.679	0.045000
704.923	18.808	0.045000
709.855	19.096	0.045000
714.787	19.304	0.045000
719.718	19.499	0.045000
724.650	19.772	0.045000
729.582	20.119	0.045000
734.513	20.385	0.045000
739.445	20.518	0.045000
744.377	20.372	0.045000
749.309	20.342	0.045000
754.240	20.597	0.045000
759.172	20.821	0.045000
764.104	21.152	0.045000
769.035	21.307	0.045000
773.967	21.451	0.045000
778.899	21.567	0.045000
783.830	21.747	0.045000
788.762	21.995	0.045000
793.694	22.262	0.045000
798.626	22.555	0.045000
803.557	22.813	0.045000
808.489	23.127	0.045000
813.421	23.567	0.045000
818.352	23.618	0.045000
823.284	23.449	0.045000
828.216	23.522	0.045000
833.147	23.579	0.045000
838.079	23.642	0.045000
843.011	23.861	0.045000
847.943	23.953	0.045000



Span(in): 36.00	36.00	Entrance Loss Coef: 0.20
Rise(in): 36.00	36.00	Exit Loss Coef: 0.50
Invert(ft): 21.200	21.000	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: G	From Node: G_up	Length(ft): 115.00
Group: BASE	To Node: G_dn	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.50
Invert(ft): 25.000	24.430	Exit Loss Coef: 0.50
Manning's N: 0.040000	0.040000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: H-I	From Node: H	Length(ft): 170.00
Group: BASE	To Node: I	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 36.00	36.00	Flow: Both
Rise(in): 36.00	36.00	Entrance Loss Coef: 0.50
Invert(ft): 21.810	20.750	Exit Loss Coef: 0.50
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: JB-Out	From Node: JB	Length(ft): 263.00
Group: BASE	To Node: BNDRY_Off	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 30.00	30.00	Flow: Both
Rise(in): 30.00	30.00	Entrance Loss Coef: 0.00
Invert(ft): 24.130	23.280	Exit Loss Coef: 1.00
Manning's N: 0.013000	0.013000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Name: Pond C	From Node: C_up	Length(ft): 90.00
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Group: BASE	To Node: C_dn	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
UPSTREAM	DOWNSTREAM	Flow: Both
Geometry: Circular	Circular	Entrance Loss Coef: 0.20
Span(in): 36.00	36.00	Exit Loss Coef: 0.50
Rise(in): 36.00	36.00	Bend Loss Coef: 0.00
Invert(ft): 23.450	23.000	Outlet Ctrl Spec: Use dc or tw
Manning's N: 0.013000	0.013000	Inlet Ctrl Spec: Use dc
Top Clip(in): 0.000	0.000	Stabilizer Option: None
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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==== Channels =====  
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Name: A-Out	From Node: A_dn	Length(ft): 615.00
Group: BASE	To Node: X3	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 19.600	18.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: 1	0	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: A1	From Node: A1	Length(ft): 244.00
Group: BASE	To Node: A_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A1	HWY 9 US	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

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Name: A2	From Node: A2	Length(ft): 375.00
Group: BASE	To Node: A1	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.000	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A2	A1	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		

Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

Name: A3	From Node: A3	Length(ft): 170.00
Group: BASE	To Node: A2	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.100	20.000	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N:		Expansion Coef: 0.300
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: A3	A2	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: B-A	From Node: B_dn	Length(ft): 346.00
Group: BASE	To Node: A_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 20.800	20.110	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 2.00	2.00	
RtSdSlp(h/v): 2.00	2.00	

Name: C-B	From Node: C_dn	Length(ft): 846.00
Group: BASE	To Node: B_up	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 23.000	21.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100
Manning's N: 0.035000	0.035000	Expansion Coef: 0.300
Top Clip(ft): 0.000	0.000	Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000	0.000	Exit Loss Coef: 0.000
Main XSec:		Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):		Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft):		
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft): 4.000	4.000	
LtSdSlp(h/v): 2.00	2.00	
RtSdSlp(h/v): 2.00	2.00	

Name: D-E	From Node: D	Length(ft): 236.00
Group: BASE	To Node: E	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 22.800	20.200	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.100

Manning's N:	0.035000	0.035000	Expansion Coef:	0.300
Top Clip(ft):	0.000	0.000	Entrance Loss Coef:	0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef:	0.000
Main XSec:			Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec:	Use dc
Aux XSec1:			Stabilizer Option:	None
AuxElev2(ft):				
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):	6.000	6.000		
LtSdSlp(h/v):	2.00	2.00		
RtSdSlp(h/v):	2.00	2.00		

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Name:	E	From Node:	E	Length(ft):	97.00
Group:	BASE	To Node:	A3	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Automatic
Geometry:	Irregular	Irregular		Solution Algorithm:	Automatic
Invert(ft):	20.200	20.100		Flow:	Both
TClpInitZ(ft):	9999.000	9999.000		Contraction Coef:	0.100
Manning's N:				Expansion Coef:	0.300
Top Clip(ft):				Entrance Loss Coef:	0.000
Bot Clip(ft):				Exit Loss Coef:	0.000
Main XSec:	E	A3		Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Aux XSec1:				Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

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Name:	E1	From Node:	E1	Length(ft):	354.00
Group:	BASE	To Node:	E	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Automatic
Geometry:	Irregular	Irregular		Solution Algorithm:	Automatic
Invert(ft):	21.000	20.200		Flow:	Both
TClpInitZ(ft):	9999.000	9999.000		Contraction Coef:	0.100
Manning's N:				Expansion Coef:	0.300
Top Clip(ft):				Entrance Loss Coef:	0.000
Bot Clip(ft):				Exit Loss Coef:	0.000
Main XSec:	E1	E		Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Aux XSec1:				Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

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Name:	E2	From Node:	E2	Length(ft):	350.00
Group:	BASE	To Node:	E1	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Automatic
Geometry:	Irregular	Irregular		Solution Algorithm:	Automatic
Invert(ft):	21.500	21.000		Flow:	Both
TClpInitZ(ft):	9999.000	9999.000		Contraction Coef:	0.100
Manning's N:				Expansion Coef:	0.300
Top Clip(ft):				Entrance Loss Coef:	0.000
Bot Clip(ft):				Exit Loss Coef:	0.000
Main XSec:	E2	E1		Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Aux XSec1:				Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

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-----
Name: E3                      From Node: E3                Length(ft): 500.00
Group: BASE                    To Node: E2                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular            Irregular
Invert(ft): 22.500            21.500
TClpInitZ(ft): 9999.000      9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: E3                  E2
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

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-----
Name: E4                      From Node: E4                Length(ft): 255.00
Group: BASE                    To Node: E3                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular            Irregular
Invert(ft): 23.000            22.500
TClpInitZ(ft): 9999.000      9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: E4                  E3
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

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-----
Name: E5                      From Node: HWY57_S           Length(ft): 570.00
Group: BASE                    To Node: E4                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular            Irregular
Invert(ft): 24.200            23.000
TClpInitZ(ft): 9999.000      9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: HWY 57 S            E4
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

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-----
Name: F                        From Node: F                  Length(ft): 103.00
Group: BASE                    To Node: E                    Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular            Irregular
Invert(ft): 19.070            20.200
TClpInitZ(ft): 9999.000      9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: F                    E
AuxElev1(ft): 0.000           0.000
Aux XSec1:
AuxElev2(ft): 0.000           0.000
Aux XSec2:

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
  
```

Top Width(ft):  
Depth(ft):  
Bot Width(ft):  
LtSdSlp(h/v):  
RtSdSlp(h/v):

```

-----
Name: F1                      From Node: F1                Length(ft): 293.00
Group: BASE                   To Node: F                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 19.700           19.070
TClpInitZ(ft): 9999.000     9999.000
Manning's N:
Top Clip(ft):
Bot Clip(ft):
Main XSec: F1                F
AuxElev1(ft): 0.000         0.000
Aux XSec1:
AuxElev2(ft): 0.000         0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: G-F1                    From Node: G_dn             Length(ft): 285.00
Group: BASE                   To Node: F1                Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Trapezoidal
Invert(ft): 24.430          22.740
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.035000       0.035000
Top Clip(ft): 0.000         0.000
Bot Clip(ft): 0.000         0.000
Main XSec:
AuxElev1(ft):
Aux XSec1:
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 4.000        4.000
LtSdSlp(h/v): 3.00         3.00
RtSdSlp(h/v): 3.00         3.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

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```

-----
Name: I-J                      From Node: I                Length(ft): 296.00
Group: BASE                   To Node: J                  Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Trapezoidal        Irregular
Invert(ft): 20.750          22.500
TClpInitZ(ft): 9999.000     9999.000
Manning's N: 0.045000
Top Clip(ft): 0.000
Bot Clip(ft): 0.000
Main XSec:                   J
AuxElev1(ft): 0.000
Aux XSec1:
AuxElev2(ft): 0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 6.000
LtSdSlp(h/v): 2.00
RtSdSlp(h/v): 2.00

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100
Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coef: 0.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

```

-----
Name: J                        From Node: J                Length(ft): 558.00
Group: BASE                   To Node: F1                Count: 1

      UPSTREAM                DOWNSTREAM
Geometry: Irregular           Irregular
Invert(ft): 22.500          19.700
TClpInitZ(ft): 9999.000     9999.000

Friction Equation: Automatic
Solution Algorithm: Automatic
Flow: Both
Contraction Coef: 0.100

```

Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: J F1 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: J1 From Node: J1 Length(ft): 622.00  
 Group: BASE To Node: J Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 23.500 22.500 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: J1 J Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: K From Node: K Length(ft): 700.00  
 Group: BASE To Node: J1 Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 25.000 23.500 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: K J1 Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

-----  
 Name: K1 From Node: K1 Length(ft): 323.00  
 Group: BASE To Node: K Count: 1  
 UPSTREAM DOWNSTREAM Friction Equation: Automatic  
 Geometry: Irregular Irregular Solution Algorithm: Automatic  
 Invert(ft): 25.380 25.000 Flow: Both  
 TClpInitZ(ft): 9999.000 9999.000 Contraction Coef: 0.100  
 Manning's N: Expansion Coef: 0.300  
 Top Clip(ft): Entrance Loss Coef: 0.000  
 Bot Clip(ft): Exit Loss Coef: 0.000  
 Main XSec: K K Outlet Ctrl Spec: Use dc or tw  
 AuxElev1(ft): 0.000 0.000 Inlet Ctrl Spec: Use dc  
 Aux XSec1: Stabilizer Option: None  
 AuxElev2(ft): 0.000 0.000  
 Aux XSec2:  
 Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

```

-----
Name: K2                From Node: HWY57_N      Length(ft): 324.00
Group: BASE             To Node: K1              Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular    Irregular          Solution Algorithm: Automatic
Invert(ft): 25.760     25.380            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):         Entrance Loss Coef: 0.000
Bot Clip(ft):         Exit Loss Coef: 0.000
Main XSec: HWY 57 N    K                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000   0.000            Inlet Ctrl Spec: Use dc
Aux XSec1:            Stabilizer Option: None
AuxElev2(ft): 0.000   0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: Out-X7           From Node: X3          Length(ft): 2057.00
Group: BASE            To Node: X7           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular    Irregular          Solution Algorithm: Automatic
Invert(ft): 18.000    17.000            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):         Entrance Loss Coef: 0.000
Bot Clip(ft):         Exit Loss Coef: 0.000
Main XSec: X4          X7                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000   0.000            Inlet Ctrl Spec: Use dc
Aux XSec1:            Stabilizer Option: None
AuxElev2(ft): 0.000   0.000
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft):
LtSdSlp(h/v):
RtSdSlp(h/v):

```

```

-----
Name: X2-Out           From Node: X2          Length(ft): 750.00
Group: BASE            To Node: X3           Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Trapezoidal  Trapezoidal        Solution Algorithm: Automatic
Invert(ft): 18.500    18.000            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N: 0.045000 0.045000          Expansion Coef: 0.300
Top Clip(ft): 0.000   0.000            Entrance Loss Coef: 0.000
Bot Clip(ft): 0.000   0.000            Exit Loss Coef: 0.000
Main XSec:           Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft):         Inlet Ctrl Spec: Use dc
Aux XSec1:            Stabilizer Option: None
AuxElev2(ft):
Aux XSec2:
Top Width(ft):
Depth(ft):
Bot Width(ft): 5.000   5.000
LtSdSlp(h/v): 2.00    2.00
RtSdSlp(h/v): 2.00    2.00

```

```

-----
Name: X7-X8           From Node: X7          Length(ft): 2100.00
Group: BASE            To Node: BNDRY        Count: 1

      UPSTREAM          DOWNSTREAM          Friction Equation: Automatic
Geometry: Irregular    Irregular          Solution Algorithm: Automatic
Invert(ft): 17.000    16.000            Flow: Both
TClpInitZ(ft): 9999.000 9999.000         Contraction Coef: 0.100
Manning's N:           Expansion Coef: 0.300
Top Clip(ft):         Entrance Loss Coef: 0.000
Bot Clip(ft):         Exit Loss Coef: 0.000
Main XSec: X7          X8                  Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000   0.000            Inlet Ctrl Spec: Use dc
Aux XSec1:            Stabilizer Option: None
AuxElev2(ft): 0.000   0.000
Aux XSec2:

```

Top Width(ft):  
 Depth(ft):  
 Bot Width(ft):  
 LtSdSlp(h/v):  
 RtSdSlp(h/v):

=====  
 Drop Structures =====  
 =====

Name: Pond A_Out	From Node: Pond A	Length(ft): 295.00
Group: BASE	To Node: Pond C	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 21.460	19.380	Exit Loss Coef: 1.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 18.00	Invert(ft): 25.100	
Rise(in): 16.80	Control Elev(ft): 25.100	

\*\*\* Weir 2 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 8.00	Invert(ft): 23.390	
Rise(in): 8.00	Control Elev(ft): 23.390	

\*\*\* Weir 3 of 3 for Drop Structure Pond A\_Out \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 164.00	Invert(ft): 26.500	
Rise(in): 99999.00	Control Elev(ft): 26.500	

Name: Pond B_Out1	From Node: Pond B	Length(ft): 115.00
Group: BASE	To Node: JB	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.200
Invert(ft): 24.500	24.130	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	



Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 32.76 Control Elev(ft): 24.620

\*\*\* Weir 2 of 2 for Drop Structure Pond B\_Out1 \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 27.350  
 Rise(in): 24.00 Control Elev(ft): 27.350

TABLE

Name: Pond B\_Out2 From Node: Pond B Length(ft): 224.00  
 Group: BASE To Node: H Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.200
Invert(ft): 22.250	21.870	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 1 for Drop Structure Pond B\_Out2 \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 24.00 Invert(ft): 24.620  
 Rise(in): 6.00 Control Elev(ft): 24.620

TABLE

Name: Pond C\_Out From Node: Pond C Length(ft): 12.00  
 Group: BASE To Node: F Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 48.00	48.00	Flow: Both
Rise(in): 48.00	48.00	Entrance Loss Coef: 0.200
Invert(ft): 20.010	19.070	Exit Loss Coef: 0.500
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 1 Bottom Clip(in): 0.000  
 Type: Vertical: Mavis Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 23.550  
 Rise(in): 26.00 Control Elev(ft): 23.550

TABLE

\*\*\* Weir 2 of 2 for Drop Structure Pond C\_Out \*\*\*

Count: 3 Bottom Clip(in): 0.000  
 Type: Horizontal Top Clip(in): 0.000  
 Flow: Both Weir Disc Coef: 3.200  
 Geometry: Rectangular Orifice Disc Coef: 0.600  
 Span(in): 48.00 Invert(ft): 25.710

TABLE

Rise(in): 48.00                      Control Elev(ft): 25.710

```

-----
Name: X5-X2                      From Node: X5                      Length(ft): 250.00
Group: BASE                      To Node: X2                      Count: 1

UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic
Geometry: Circular              Circular                      Solution Algorithm: Most Restrictive
Span(in): 36.00                  36.00                      Flow: Both
Rise(in): 36.00                  36.00                      Entrance Loss Coef: 0.000
Invert(ft): 19.000              18.500                      Exit Loss Coef: 1.000
Manning's N: 0.013000          0.013000                      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Solution Incs: 10
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

*** Weir 1 of 2 for Drop Structure X5-X2 ***
Count: 1                              Bottom Clip(in): 0.000                      TABLE
Type: Horizontal                      Top Clip(in): 0.000
Flow: Both                              Weir Disc Coef: 3.200
Geometry: Rectangular                  Orifice Disc Coef: 0.600

Span(in): 48.00                      Invert(ft): 23.000
Rise(in): 48.00                      Control Elev(ft): 23.000
  
```

```

*** Weir 2 of 2 for Drop Structure X5-X2 ***
Count: 1                              Bottom Clip(in): 0.000                      TABLE
Type: Vertical: Mavis                  Top Clip(in): 0.000
Flow: Both                              Weir Disc Coef: 3.200
Geometry: Rectangular                  Orifice Disc Coef: 0.600

Span(in): 48.00                      Invert(ft): 22.000
Rise(in): 6.00                      Control Elev(ft): 22.000
  
```

```

-----
Name: X6-X7                      From Node: X6                      Length(ft): 100.00
Group: BASE                      To Node: X7                      Count: 1

UPSTREAM                      DOWNSTREAM                      Friction Equation: Automatic
Geometry: Circular              Circular                      Solution Algorithm: Most Restrictive
Span(in): 36.00                  36.00                      Flow: Both
Rise(in): 36.00                  36.00                      Entrance Loss Coef: 0.000
Invert(ft): 18.000              17.000                      Exit Loss Coef: 1.000
Manning's N: 0.013000          0.013000                      Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000              0.000                      Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000              0.000                      Solution Incs: 10
  
```

Upstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
 Circular Concrete: Square edge w/ headwall

```

*** Weir 1 of 2 for Drop Structure X6-X7 ***
Count: 1                              Bottom Clip(in): 0.000                      TABLE
Type: Horizontal                      Top Clip(in): 0.000
Flow: Both                              Weir Disc Coef: 3.200
Geometry: Rectangular                  Orifice Disc Coef: 0.600

Span(in): 48.00                      Invert(ft): 22.000
Rise(in): 48.00                      Control Elev(ft): 22.000
  
```

```

*** Weir 2 of 2 for Drop Structure X6-X7 ***
Count: 1                              Bottom Clip(in): 0.000                      TABLE
Type: Vertical: Mavis                  Top Clip(in): 0.000
Flow: Both                              Weir Disc Coef: 3.200
Geometry: Rectangular                  Orifice Disc Coef: 0.600

Span(in): 48.00                      Invert(ft): 21.000
Rise(in): 6.00                      Control Elev(ft): 21.000
  
```

==== Weirs =====  
=====

Name: A\_Over                      From Node: A\_up  
Group: BASE                        To Node: A\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 25.00  
Left Side Slope(h/v): 500.00  
Right Side Slope(h/v): 500.00  
          Invert(ft): 27.800  
Control Elevation(ft): 27.800  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: B\_Over                      From Node: B\_up  
Group: BASE                        To Node: B\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 50.00  
Left Side Slope(h/v): 100.00  
Right Side Slope(h/v): 50.00  
          Invert(ft): 27.300  
Control Elevation(ft): 27.300  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: C\_Over                      From Node: C\_up  
Group: BASE                        To Node: C\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
          Invert(ft): 27.000  
Control Elevation(ft): 27.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: G\_Over                      From Node: G\_up  
Group: BASE                        To Node: G\_dn  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
          Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----

Name: H\_Over                      From Node: H  
Group: BASE                        To Node: I  
Flow: Both                         Count: 1  
Type: Vertical: Fread              Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 40.00  
Right Side Slope(h/v): 40.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond B\_Over           From Node: Pond B  
Group: BASE                To Node: H  
Flow: Both                 Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 50.00  
Left Side Slope(h/v): 50.00  
Right Side Slope(h/v): 50.00  
    Invert(ft): 28.500  
Control Elevation(ft): 28.500  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond C\_Over           From Node: Pond C  
Group: BASE                To Node: F  
Flow: Both                 Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 5.00  
Right Side Slope(h/v): 5.00  
    Invert(ft): 26.000  
Control Elevation(ft): 26.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Pond\_A\_Over           From Node: Pond A  
Group: BASE                To Node: Pond C  
Flow: Both                 Count: 1  
Type: Vertical: Fread      Geometry: Trapezoidal

Bottom Width(ft): 10.00  
Left Side Slope(h/v): 20.00  
Right Side Slope(h/v): 20.00  
    Invert(ft): 29.400  
Control Elevation(ft): 29.400  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

-----  
Name: Reg\_Pond\_Weir         From Node: K1  
Group: BASE                To Node: Reg\_Pond  
Flow: Both                 Count: 1  
Type: Vertical: Mavis      Geometry: Trapezoidal

Bottom Width(ft): 100.00  
Left Side Slope(h/v): 4.00  
Right Side Slope(h/v): 4.00  
    Invert(ft): 25.750  
Control Elevation(ft): 25.750  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000

Top Clip(ft): 0.000  
Weir Discharge Coef: 3.200  
Orifice Discharge Coef: 0.600

=====  
=== Hydrology Simulations ===  
=====

Name: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\002-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 4.50  
  
Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\010-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 6.70  
  
Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\025-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 7.60  
  
Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\050-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 8.60  
  
Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\100-yr.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Scsiii  
Rainfall Amount(in): 9.70  
  
Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

-----  
Name: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\OCT-2015.R32  
  
Override Defaults: Yes  
Storm Duration(hrs): 120.00  
Rainfall File: OCT2015  
Rainfall Amount(in): 17.91  
  
Time(hrs)      Print Inc(min)  
-----  
120.000         5.00

Name: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\OCT-2016.R32

Override Defaults: Yes  
Storm Duration(hrs): 47.00  
Rainfall File: OCT2016  
Rainfall Amount(in): 10.68

Time(hrs)      Print Inc(min)  
-----  
48.000          5.00

=====  
==== Routing Simulations =====  
=====

Name: 002-yr                      Hydrology Sim: 002-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\002-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 002-year                      Boundary Flows: 002-year

Time(hrs)      Print Inc(min)  
-----  
9999.000          15.000

Group              Run  
-----  
BASE                  Yes

Name: 010-yr                      Hydrology Sim: 010-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\010-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 010-year                      Boundary Flows: 010-year

Time(hrs)      Print Inc(min)  
-----  
9999.000          5.000

Group              Run  
-----  
BASE                  Yes

Name: 025-yr                      Hydrology Sim: 025-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\025-yr.I32

Execute: Yes                      Restart: No                      Patch: No  
Alternative: No

Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000                      End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000                      Max Calc Time(sec): 10.0000  
Boundary Stages: 025-year                      Boundary Flows: 025-year

Time(hrs)      Print Inc(min)  
-----  
9999.000          15.000

Group              Run  
-----  
BASE                  Yes

Name: 050-yr Hydrology Sim: 050-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\050-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 050-year Boundary Flows: 050-year

Time(hrs) Print Inc(min)  
-----  
9999.000 15.000

Group Run  
-----  
BASE Yes

Name: 100-yr Hydrology Sim: 100-yr  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\100-yr.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: 100-year Boundary Flows: 100-year

Time(hrs) Print Inc(min)  
-----  
9999.000 15.000

Group Run  
-----  
BASE Yes

Name: OCT-2015 Hydrology Sim: OCT-2015  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\OCT-2015.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 144.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2015 Boundary Flows: OCT-2015

Time(hrs) Print Inc(min)  
-----  
999.000 15.000

Group Run  
-----  
BASE Yes

Name: OCT-2016 Hydrology Sim: OCT-2016  
Filename: Z:\26146\26146.0000\Engineering\Calculations\Storm Water\ICPR\Alt 3\Alt 3B\OCT-2016.I32

Execute: Yes Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 10.0000  
Boundary Stages: OCT-2016 Boundary Flows: OCT-2016

Time(hrs) Print Inc(min)  
-----

999.000            15.000

Group            Run  
 -----  
 BASE            Yes

=====  
 === Boundary Conditions ===  
 =====

Name: 010-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.210
11.000	0.470
11.250	1.180
11.500	2.010
11.750	2.700
12.000	2.610
12.250	5.970
12.500	21.360
12.750	38.300
13.000	45.910
13.250	49.840
13.500	90.500
13.750	107.600
14.000	113.250
14.250	118.420
14.500	124.390
14.750	131.110
15.000	137.980
15.250	144.120
15.500	149.400
15.750	153.610
16.000	156.900
16.250	159.590
16.500	161.740
16.750	163.220
17.000	164.250
17.250	164.700
17.500	164.520
17.750	163.810
18.000	162.740



Highway 9  
Alternative 3B - Input Report

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18.250	161.510
18.500	159.990
18.750	158.170
19.000	156.080
19.250	153.940
19.500	151.700
19.750	149.250
20.000	146.790
20.250	144.250
20.500	141.700
20.750	139.090
21.000	136.610
21.250	134.120
21.500	131.750
21.750	129.460
22.000	127.190
22.250	124.930
22.500	122.590
22.750	120.310
23.000	118.080
23.250	115.900
23.500	113.790
23.750	111.670
24.000	109.670
24.250	107.540
24.500	105.170
24.750	102.490
25.000	99.740
25.250	97.050
25.500	94.450
25.750	91.980
26.000	89.480
26.250	87.160
26.500	84.780
26.750	82.440
27.000	81.680
27.250	78.510
27.500	76.000
27.750	73.860
28.000	76.650
28.250	71.460
28.500	68.670
28.750	66.660
29.000	64.860
29.250	63.170
29.500	61.570
29.750	60.050
30.000	58.590
30.250	57.230
30.500	55.920
30.750	54.680
31.000	53.510
31.250	52.430
31.500	51.510
31.750	50.750
32.000	50.490
32.250	50.370
32.500	50.220
32.750	50.080
33.000	50.180
33.250	50.000
33.500	49.650
33.750	49.220
34.000	48.730
34.250	48.160
34.500	47.560
34.750	46.860
35.000	46.070
35.250	45.200
35.500	44.220
35.750	43.080
36.000	41.760
36.250	40.360
36.500	39.150
36.750	38.040
37.000	37.080
37.250	36.190
37.500	35.410
37.750	34.670
38.000	34.000
38.250	33.380
38.500	32.760
38.750	32.180
39.000	31.610
39.250	31.090
39.500	30.590
39.750	30.110
40.000	29.670

40.250	29.210
40.500	28.770
40.750	28.250
41.000	27.690
41.250	27.120
41.500	26.520
41.750	25.960
42.000	25.390
42.250	24.850
42.500	24.350
42.750	23.880
43.000	23.440
43.250	23.030
43.500	22.640
43.750	22.280
44.000	21.950
44.250	21.640
44.500	21.320
44.750	21.060
45.000	20.810
45.250	20.580
45.500	20.370
45.750	20.160
46.000	19.940
46.250	19.760
46.500	19.600
46.750	19.440
47.000	19.300
47.250	19.150
47.500	18.990
47.750	18.870
48.000	18.750
48.250	18.640
48.500	18.550
48.750	18.450
49.000	18.310
49.250	18.220
49.500	18.140
49.750	18.060
50.000	17.970
50.250	17.900
50.500	17.790
50.750	17.730
51.000	17.670
51.250	17.600
51.500	17.540
51.750	17.470
52.000	17.380
52.250	17.330
52.500	17.280
52.750	17.220
53.000	17.170
53.250	17.110
53.500	17.020
53.750	16.980
54.000	16.930
54.250	16.880
54.500	16.830
54.750	16.750
55.000	16.710
55.250	16.740
55.500	16.750
55.750	16.740
56.000	16.600
56.250	16.610
56.500	16.610
56.750	16.590
57.000	16.440
57.250	16.460
57.500	16.450
57.750	16.440
58.000	16.280
58.250	16.300
58.500	16.300
58.750	16.160
59.000	16.180
59.250	16.180
59.500	16.160
59.750	16.130
60.000	15.940
60.250	15.910
60.500	15.850
60.750	15.770
61.000	15.690
61.250	15.610
61.500	15.570
61.750	15.530
62.000	15.490

Highway 9  
 Alternative 3B - Input Report

---

62.250	15.450
62.500	15.420
62.750	15.400
63.000	15.360
63.250	15.340
63.500	15.310
63.750	15.280
64.000	15.260
64.250	15.220
64.500	15.190
64.750	15.180
65.000	15.140
65.250	15.100
65.500	15.090
65.750	15.070
66.000	15.040
66.250	15.010
66.500	14.980
66.750	14.940
67.000	14.910
67.250	14.870
67.500	14.830
67.750	14.790
68.000	14.750
68.250	14.710
68.500	14.670
68.750	14.630
69.000	14.590
69.250	14.550
69.500	14.510
69.750	14.470
70.000	14.430
70.250	14.390
70.500	14.350
70.750	14.310
71.000	14.270
71.250	14.230
71.500	14.190
71.750	14.150
72.000	14.110

-----  
 Name: 025-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.030
10.250	0.310

Highway 9  
Alternative 3B - Input Report

---

10.500	0.510
10.750	1.200
11.000	1.760
11.250	2.550
11.500	3.430
11.750	3.980
12.000	5.780
12.250	12.900
12.500	30.600
12.750	44.740
13.000	50.620
13.250	123.980
13.500	140.990
13.750	146.470
14.000	151.500
14.250	158.260
14.500	166.730
14.750	175.930
15.000	184.940
15.250	192.570
15.500	198.790
15.750	203.530
16.000	206.990
16.250	209.660
16.500	211.500
16.750	212.510
17.000	212.880
17.250	212.560
17.500	211.360
17.750	209.590
18.000	207.310
18.250	204.920
18.500	202.260
18.750	199.190
19.000	195.880
19.250	192.610
19.500	189.130
19.750	185.590
20.000	182.080
20.250	178.450
20.500	174.870
20.750	171.330
21.000	167.890
21.250	164.550
21.500	161.350
21.750	158.200
22.000	155.200
22.250	152.220
22.500	149.170
22.750	146.190
23.000	143.260
23.250	140.490
23.500	137.790
23.750	135.120
24.000	132.570
24.250	129.780
24.500	126.800
24.750	123.490
25.000	120.010
25.250	116.690
25.500	113.450
25.750	110.340
26.000	107.180
26.250	104.090
26.500	101.220
26.750	98.390
27.000	95.560
27.250	92.960
27.500	90.220
27.750	88.730
28.000	85.760
28.250	82.960
28.500	80.590
28.750	83.240
29.000	77.630
29.250	74.740
29.500	72.560
29.750	70.610
30.000	68.770
30.250	67.010
30.500	65.330
30.750	63.710
31.000	62.180
31.250	60.700
31.500	59.280
31.750	57.920
32.000	56.650
32.250	55.430

32.500	54.290
32.750	53.200
33.000	52.230
33.250	51.440
33.500	51.050
33.750	51.360
34.000	51.260
34.250	51.080
34.500	50.820
34.750	50.520
35.000	50.140
35.250	49.700
35.500	49.210
35.750	48.680
36.000	48.110
36.250	47.440
36.500	46.730
36.750	45.930
37.000	45.080
37.250	44.060
37.500	42.850
37.750	41.400
38.000	40.120
38.250	38.970
38.500	37.910
38.750	36.950
39.000	36.090
39.250	35.290
39.500	34.540
39.750	33.870
40.000	33.270
40.250	32.680
40.500	32.130
40.750	31.650
41.000	31.160
41.250	30.720
41.500	30.270
41.750	29.870
42.000	29.440
42.250	29.010
42.500	28.570
42.750	28.100
43.000	27.540
43.250	26.980
43.500	26.420
43.750	25.860
44.000	25.340
44.250	24.840
44.500	24.370
44.750	23.890
45.000	23.490
45.250	23.110
45.500	22.750
45.750	22.410
46.000	22.090
46.250	21.800
46.500	21.500
46.750	21.250
47.000	21.010
47.250	20.790
47.500	20.590
47.750	20.360
48.000	20.180
48.250	20.010
48.500	19.850
48.750	19.700
49.000	19.550
49.250	19.410
49.500	19.250
49.750	19.130
50.000	19.020
50.250	18.910
50.500	18.810
50.750	18.720
51.000	18.590
51.250	18.500
51.500	18.410
51.750	18.320
52.000	18.230
52.250	18.120
52.500	18.050
52.750	17.990
53.000	17.920
53.250	17.850
53.500	17.790
53.750	17.690
54.000	17.640
54.250	17.590

Highway 9  
 Alternative 3B - Input Report

---

54.500	17.530
54.750	17.470
55.000	17.420
55.250	17.330
55.500	17.280
55.750	17.310
56.000	17.320
56.250	17.180
56.500	17.200
56.750	17.190
57.000	17.170
57.250	17.140
57.500	16.980
57.750	16.990
58.000	16.970
58.250	16.820
58.500	16.840
58.750	16.830
59.000	16.810
59.250	16.650
59.500	16.670
59.750	16.670
60.000	16.650
60.250	16.630
60.500	16.460
60.750	16.440
61.000	16.380
61.250	16.290
61.500	16.210
61.750	16.110
62.000	16.060
62.250	16.000
62.500	15.930
62.750	15.850
63.000	15.790
63.250	15.720
63.500	15.660
63.750	15.610
64.000	15.560
64.250	15.510
64.500	15.490
64.750	15.450
65.000	15.420
65.250	15.410
65.500	15.370
65.750	15.360
66.000	15.350
66.250	15.340
66.500	15.330
66.750	15.310
67.000	15.290
67.250	15.270
67.500	15.250
67.750	15.230
68.000	15.200
68.250	15.180
68.500	15.150
68.750	15.120
69.000	15.090
69.250	15.060
69.500	15.030
69.750	14.990
70.000	14.950
70.250	14.920
70.500	14.880
70.750	14.840
71.000	14.800
71.250	14.760
71.500	14.730
71.750	14.680
72.000	14.640
72.000	14.640

-----  
 Name: 050-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000

Highway 9  
Alternative 3B - Input Report

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2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.050
9.750	0.310
10.000	0.600
10.250	1.160
10.500	1.810
10.750	2.450
11.000	3.100
11.250	3.870
11.500	5.020
11.750	7.400
12.000	11.440
12.250	21.320
12.500	40.410
12.750	44.330
13.000	146.560
13.250	178.090
13.500	184.460
13.750	190.130
14.000	198.150
14.250	208.830
14.500	220.820
14.750	232.880
15.000	243.790
15.250	252.500
15.500	259.170
15.750	263.740
16.000	266.650
16.250	268.470
16.500	269.240
16.750	268.940
17.000	267.980
17.250	266.190
17.500	263.490
17.750	260.110
18.000	256.320
18.250	252.470
18.500	248.360
18.750	243.940
19.000	239.270
19.250	234.740
19.500	230.090
19.750	225.460
20.000	220.820
20.250	216.230
20.500	211.650
20.750	207.130
21.000	202.830
21.250	198.660
21.500	194.630
21.750	190.790
22.000	187.020
22.250	183.340
22.500	179.630
22.750	175.930
23.000	172.380
23.250	168.950
23.500	165.600
23.750	162.370
24.000	159.160
24.250	155.850

Highway 9  
Alternative 3B - Input Report

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24.500	152.160
24.750	148.070
25.000	143.870
25.250	139.720
25.500	135.770
25.750	131.900
26.000	128.110
26.250	124.400
26.500	120.810
26.750	117.230
27.000	113.680
27.250	110.300
27.500	107.070
27.750	103.990
28.000	100.960
28.250	98.040
28.500	96.710
28.750	92.720
29.000	89.880
29.250	87.310
29.500	86.770
29.750	83.110
30.000	80.560
30.250	78.360
30.500	76.260
30.750	74.240
31.000	72.310
31.250	70.490
31.500	68.730
31.750	67.040
32.000	65.420
32.250	63.860
32.500	62.360
32.750	60.950
33.000	59.570
33.250	58.250
33.500	57.010
33.750	55.860
34.000	54.750
34.250	54.000
34.500	53.030
34.750	52.210
35.000	51.910
35.250	51.800
35.500	51.630
35.750	51.430
36.000	51.150
36.250	50.830
36.500	50.460
36.750	50.040
37.000	49.590
37.250	49.120
37.500	48.590
37.750	48.010
38.000	47.350
38.250	46.570
38.500	45.710
38.750	44.680
39.000	43.420
39.250	41.910
39.500	40.560
39.750	39.340
40.000	38.230
40.250	37.250
40.500	36.380
40.750	35.570
41.000	34.840
41.250	34.210
41.500	33.600
41.750	33.060
42.000	32.520
42.250	32.050
42.500	31.560
42.750	31.110
43.000	30.690
43.250	30.260
43.500	29.850
43.750	29.440
44.000	29.040
44.250	28.610
44.500	28.140
44.750	27.620
45.000	27.070
45.250	26.500
45.500	25.970
45.750	25.460
46.000	24.980
46.250	24.520



46.500	24.080
46.750	23.680
47.000	23.260
47.250	22.910
47.500	22.590
47.750	22.270
48.000	21.980
48.250	21.710
48.500	21.420
48.750	21.190
49.000	20.980
49.250	20.770
49.500	20.580
49.750	20.390
50.000	20.180
50.250	20.030
50.500	19.880
50.750	19.740
51.000	19.600
51.250	19.470
51.500	19.310
51.750	19.200
52.000	19.090
52.250	18.990
52.500	18.900
52.750	18.800
53.000	18.670
53.250	18.590
53.500	18.500
53.750	18.410
54.000	18.330
54.250	18.240
54.500	18.140
54.750	18.070
55.000	18.010
55.250	17.950
55.500	17.880
55.750	17.790
56.000	17.740
56.250	17.770
56.500	17.760
56.750	17.750
57.000	17.600
57.250	17.600
57.500	17.590
57.750	17.560
58.000	17.400
58.250	17.410
58.500	17.390
58.750	17.360
59.000	17.200
59.250	17.210
59.500	17.200
59.750	17.040
60.000	17.060
60.250	17.050
60.500	17.030
60.750	17.010
61.000	16.830
61.250	16.810
61.500	16.740
61.750	16.650
62.000	16.560
62.250	16.460
62.500	16.400
62.750	16.340
63.000	16.280
63.250	16.220
63.500	16.160
63.750	16.110
64.000	16.060
64.250	16.020
64.500	15.960
64.750	15.910
65.000	15.860
65.250	15.790
65.500	15.720
65.750	15.680
66.000	15.610
66.250	15.580
66.500	15.550
66.750	15.520
67.000	15.500
67.250	15.470
67.500	15.450
67.750	15.430
68.000	15.410
68.250	15.400

Highway 9  
 Alternative 3B - Input Report

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68.500	15.380
68.750	15.360
69.000	15.340
69.250	15.320
69.500	15.300
69.750	15.270
70.000	15.250
70.250	15.230
70.500	15.210
70.750	15.180
71.000	15.160
71.250	15.130
71.500	15.100
71.750	15.070
72.000	15.030

-----  
 Name: 100-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)

-----

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.190
9.500	0.680
9.750	1.130
10.000	1.750
10.250	2.490
10.500	3.060
10.750	3.860
11.000	4.530
11.250	6.440
11.500	9.180
11.750	12.950
12.000	18.660
12.250	30.940
12.500	45.540
12.750	125.660
13.000	213.360
13.250	227.980
13.500	234.470
13.750	243.850
14.000	256.790
14.250	272.130
14.500	287.560
14.750	301.790
15.000	313.800
15.250	322.600
15.500	328.570
15.750	331.970
16.000	333.400
16.250	333.560
16.500	332.510

Highway 9  
Alternative 3B - Input Report

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16.750	330.360
17.000	327.450
17.250	323.750
17.500	318.980
17.750	313.580
18.000	307.850
18.250	302.080
18.500	296.280
18.750	290.130
19.000	283.880
19.250	277.850
19.500	271.850
19.750	265.840
20.000	260.040
20.250	254.300
20.500	248.680
20.750	243.330
21.000	238.200
21.250	233.300
21.500	228.680
21.750	224.210
22.000	219.950
22.250	215.780
22.500	211.550
22.750	207.420
23.000	203.420
23.250	199.560
23.500	195.830
23.750	192.140
24.000	188.550
24.250	184.740
24.500	180.520
24.750	175.780
25.000	170.960
25.250	166.280
25.500	161.670
25.750	157.240
26.000	152.860
26.250	148.560
26.500	144.330
26.750	140.190
27.000	136.170
27.250	132.220
27.500	128.300
27.750	124.540
28.000	120.940
28.250	117.540
28.500	114.280
28.750	111.000
29.000	109.000
29.250	105.190
29.500	102.020
29.750	99.160
30.000	99.290
30.250	94.540
30.500	91.560
30.750	89.050
31.000	86.680
31.250	84.400
31.500	82.190
31.750	80.090
32.000	78.070
32.250	76.110
32.500	74.240
32.750	72.420
33.000	70.680
33.250	69.010
33.500	67.410
33.750	65.840
34.000	64.350
34.250	62.950
34.500	61.570
34.750	60.490
35.000	59.150
35.250	57.850
35.500	56.650
35.750	55.540
36.000	54.520
36.250	53.570
36.500	52.780
36.750	52.400
37.000	52.320
37.250	52.160
37.500	51.990
37.750	51.790
38.000	51.540
38.250	51.270
38.500	50.920

38.750	50.540
39.000	50.100
39.250	49.610
39.500	49.010
39.750	48.320
40.000	47.540
40.250	46.630
40.500	45.560
40.750	44.320
41.000	42.810
41.250	41.390
41.500	40.160
41.750	39.030
42.000	38.060
42.250	37.170
42.500	36.380
42.750	35.640
43.000	34.970
43.250	34.380
43.500	33.790
43.750	33.250
44.000	32.730
44.250	32.250
44.500	31.780
44.750	31.340
45.000	30.920
45.250	30.510
45.500	30.110
45.750	29.710
46.000	29.320
46.250	28.900
46.500	28.500
46.750	28.030
47.000	27.530
47.250	27.010
47.500	26.470
47.750	25.960
48.000	25.430
48.250	24.970
48.500	24.530
48.750	24.110
49.000	23.720
49.250	23.350
49.500	22.970
49.750	22.660
50.000	22.360
50.250	22.080
50.500	21.810
50.750	21.570
51.000	21.300
51.250	21.090
51.500	20.900
51.750	20.700
52.000	20.530
52.250	20.350
52.500	20.160
52.750	20.020
53.000	19.880
53.250	19.740
53.500	19.620
53.750	19.490
54.000	19.340
54.250	19.240
54.500	19.150
54.750	19.060
55.000	18.960
55.250	18.830
55.500	18.740
55.750	18.650
56.000	18.570
56.250	18.480
56.500	18.370
56.750	18.380
57.000	18.360
57.250	18.330
57.500	18.290
57.750	18.130
58.000	18.120
58.250	18.100
58.500	18.060
58.750	17.890
59.000	17.900
59.250	17.880
59.500	17.710
59.750	17.720
60.000	17.710
60.250	17.690
60.500	17.660

Highway 9  
 Alternative 3B - Input Report

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60.750	17.470
61.000	17.480
61.250	17.480
61.500	17.410
61.750	17.310
62.000	17.160
62.250	17.090
62.500	17.010
62.750	16.930
63.000	16.860
63.250	16.780
63.500	16.720
63.750	16.650
64.000	16.600
64.250	16.540
64.500	16.480
64.750	16.420
65.000	16.380
65.250	16.320
65.500	16.260
65.750	16.230
66.000	16.170
66.250	16.130
66.500	16.100
66.750	16.070
67.000	16.030
67.250	15.990
67.500	15.950
67.750	15.900
68.000	15.850
68.250	15.800
68.500	15.740
68.750	15.690
69.000	15.640
69.250	15.590
69.500	15.550
69.750	15.520
70.000	15.500
70.250	15.470
70.500	15.450
70.750	15.430
71.000	15.410
71.250	15.390
71.500	15.370
71.750	15.350
72.000	15.330

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 Name: 010-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.020
5.250	0.050
5.500	0.110
5.750	0.200
6.000	0.290
6.250	0.390
6.500	0.480
6.750	0.570
7.000	0.660
7.250	0.760
7.500	0.880
7.750	1.010
8.000	1.190
8.250	1.440
8.500	1.770
8.750	2.230

Highway 9  
Alternative 3B - Input Report

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9.000	2.830
9.250	3.580
9.500	4.560
9.750	5.820
10.000	7.410
10.250	9.370
10.500	11.880
10.750	14.910
11.000	18.470
11.250	22.390
11.500	26.970
11.750	32.670
12.000	41.690
12.250	59.860
12.500	83.130
12.750	106.880
13.000	133.170
13.250	167.340
13.500	179.520
13.750	184.120
14.000	230.530
14.250	248.770
14.500	242.930
14.750	221.080
15.000	206.220
15.250	199.980
15.500	196.800
15.750	191.280
16.000	184.010
16.250	175.500
16.500	166.280
16.750	157.730
17.000	149.680
17.250	141.240
17.500	133.320
17.750	127.450
18.000	121.740
18.250	117.230
18.500	113.220
18.750	108.910
19.000	105.370
19.250	102.040
19.500	98.640
19.750	96.340
20.000	93.580
20.250	91.760
20.500	90.290
20.750	88.320
21.000	86.780
21.250	85.110
21.500	83.120
21.750	81.680
22.000	80.510
22.250	79.170
22.500	78.050
22.750	77.100
23.000	76.010
23.250	74.850
23.500	73.740
23.750	72.610
24.000	71.710
24.250	70.650
24.500	69.450
24.750	68.100
25.000	66.660
25.250	65.440
25.500	64.030
25.750	62.760
26.000	61.450
26.250	60.240
26.500	59.030
26.750	57.730
27.000	56.410
27.250	54.910
27.500	53.210
27.750	51.010
28.000	48.780
28.250	46.760
28.500	44.920
28.750	43.250
29.000	41.860
29.250	40.670
29.500	39.640
29.750	38.760
30.000	37.990
30.250	37.240
30.500	36.690
30.750	36.080

Highway 9  
Alternative 3B - Input Report

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31.000	35.630
31.250	35.170
31.500	34.660
31.750	34.300
32.000	33.900
32.250	33.510
32.500	33.240
32.750	32.760
33.000	32.380
33.250	31.950
33.500	31.630
33.750	31.280
34.000	30.920
34.250	30.520
34.500	30.210
34.750	29.820
35.000	29.520
35.250	29.140
35.500	28.850
35.750	28.520
36.000	28.140
36.250	27.860
36.500	27.490
36.750	27.220
37.000	26.860
37.250	26.590
37.500	26.240
37.750	25.980
38.000	25.640
38.250	25.390
38.500	25.110
38.750	24.770
39.000	24.530
39.250	24.210
39.500	23.980
39.750	23.710
40.000	23.450
40.250	23.140
40.500	22.920
40.750	22.670
41.000	22.420
41.250	22.180
41.500	21.890
41.750	21.690
42.000	21.460
42.250	21.240
42.500	21.020
42.750	20.810
43.000	20.560
43.250	20.400
43.500	20.210
43.750	20.030
44.000	19.840
44.250	19.620
44.500	19.470
44.750	19.290
45.000	19.080
45.250	18.940
45.500	18.760
45.750	18.550
46.000	18.410
46.250	18.230
46.500	18.000
46.750	17.840
47.000	17.650
47.250	17.410
47.500	17.240
47.750	17.030
48.000	16.780
48.250	16.580
48.500	16.320
48.750	16.110
49.000	15.830
49.250	15.610
49.500	15.350
49.750	15.060
50.000	14.860
50.250	14.600
50.500	14.400
50.750	14.120
51.000	13.890
51.250	13.590
51.500	13.340
51.750	13.020
52.000	12.740
52.250	12.390
52.500	12.090
52.750	11.730

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53.000	11.300
53.250	10.920
53.500	10.480
53.750	10.130
54.000	9.800
54.250	9.450
54.500	9.190
54.750	8.920
55.000	8.670
55.250	8.410
55.500	8.230
55.750	8.040
56.000	7.870
56.250	7.710
56.500	7.570
56.750	7.440
57.000	7.310
57.250	7.200
57.500	7.090
57.750	7.000
58.000	6.930
58.250	6.820
58.500	6.730
58.750	6.650
59.000	6.580
59.250	6.510
59.500	6.440
59.750	6.370
60.000	6.310
60.250	6.250
60.500	6.190
60.750	6.140
61.000	6.080
61.250	6.030
61.500	5.960
61.750	5.930
62.000	5.880
62.250	5.840
62.500	5.770
62.750	5.750
63.000	5.690
63.250	5.660
63.500	5.610
63.750	5.580
64.000	5.530
64.250	5.510
64.500	5.450
64.750	5.440
65.000	5.380
65.250	5.370
65.500	5.320
65.750	5.280
66.000	5.270
66.250	5.220
66.500	5.190
66.750	5.180
67.000	5.130
67.250	5.100
67.500	5.090
67.750	5.050
68.000	5.020
68.250	5.010
68.500	4.970
68.750	4.940
69.000	4.930
69.250	4.890
69.500	4.870
69.750	4.840
70.000	4.820
70.250	4.810
70.500	4.780
70.750	4.750
71.000	4.730
71.250	4.730
71.500	4.690
71.750	4.670
72.000	4.650

-----  
 Name: 025-year

Node: HWY57\_S

Type: Flow

Time(hrs)

Flow(cfs)

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0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000



Highway 9  
Alternative 3B - Input Report

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1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.010
4.750	0.040
5.000	0.100
5.250	0.190
5.500	0.300
5.750	0.410
6.000	0.500
6.250	0.590
6.500	0.700
6.750	0.820
7.000	0.940
7.250	1.080
7.500	1.240
7.750	1.440
8.000	1.710
8.250	2.160
8.500	2.770
8.750	3.540
9.000	4.540
9.250	5.840
9.500	7.490
9.750	9.480
10.000	11.960
10.250	14.900
10.500	18.240
10.750	21.790
11.000	25.760
11.250	30.450
11.500	35.960
11.750	42.660
12.000	53.450
12.250	71.840
12.500	93.540
12.750	109.690
13.000	156.220
13.250	196.760
13.500	232.360
13.750	302.250
14.000	305.480
14.250	269.980
14.500	267.570
14.750	278.930
15.000	281.210
15.250	278.010
15.500	268.660
15.750	256.250
16.000	241.140
16.250	224.620
16.500	209.280
16.750	196.910
17.000	187.090
17.250	179.080
17.500	170.710
17.750	162.830
18.000	154.790
18.250	147.460
18.500	140.910
18.750	135.630
19.000	131.260
19.250	125.570
19.500	119.940
19.750	115.980
20.000	111.300
20.250	107.540
20.500	105.000
20.750	101.470
21.000	99.400
21.250	96.700
21.500	95.020
21.750	93.180
22.000	91.170
22.250	89.960
22.500	88.560
22.750	87.080
23.000	85.380

Highway 9  
Alternative 3B - Input Report

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23.250	84.210
23.500	83.170
23.750	82.190
24.000	81.150
24.250	80.400
24.500	79.510
24.750	77.740
25.000	76.190
25.250	74.230
25.500	72.150
25.750	70.650
26.000	69.740
26.250	68.850
26.500	68.270
26.750	67.680
27.000	67.060
27.250	66.550
27.500	66.060
27.750	65.530
28.000	65.060
28.250	64.570
28.500	64.140
28.750	63.770
29.000	63.310
29.250	62.890
29.500	62.510
29.750	61.970
30.000	61.530
30.250	61.020
30.500	60.460
30.750	59.820
31.000	59.070
31.250	58.350
31.500	57.520
31.750	56.720
32.000	55.820
32.250	54.800
32.500	53.770
32.750	52.570
33.000	51.100
33.250	49.200
33.500	46.920
33.750	44.630
34.000	42.570
34.250	40.830
34.500	39.290
34.750	37.920
35.000	36.830
35.250	35.860
35.500	34.970
35.750	34.280
36.000	33.580
36.250	33.040
36.500	32.470
36.750	32.020
37.000	31.520
37.250	31.130
37.500	30.670
37.750	30.310
38.000	29.870
38.250	29.530
38.500	29.110
38.750	28.790
39.000	28.390
39.250	28.080
39.500	27.730
39.750	27.340
40.000	27.040
40.250	26.670
40.500	26.380
40.750	26.060
41.000	25.750
41.250	25.390
41.500	25.120
41.750	24.820
42.000	24.510
42.250	24.180
42.500	23.930
42.750	23.640
43.000	23.360
43.250	23.090
43.500	22.780
43.750	22.560
44.000	22.310
44.250	22.060
44.500	21.790
44.750	21.590
45.000	21.360

45.250	21.100
45.500	20.910
45.750	20.690
46.000	20.420
46.250	20.240
46.500	20.010
46.750	19.760
47.000	19.560
47.250	19.300
47.500	19.100
47.750	18.830
48.000	18.630
48.250	18.380
48.500	18.110
48.750	17.890
49.000	17.610
49.250	17.390
49.500	17.110
49.750	16.890
50.000	16.600
50.250	16.370
50.500	16.070
50.750	15.830
51.000	15.520
51.250	15.270
51.500	14.960
51.750	14.740
52.000	14.470
52.250	14.240
52.500	13.950
52.750	13.710
53.000	13.390
53.250	13.130
53.500	12.790
53.750	12.500
54.000	12.140
54.250	11.830
54.500	11.420
54.750	11.070
55.000	10.660
55.250	10.340
55.500	10.030
55.750	9.690
56.000	9.450
56.250	9.200
56.500	8.970
56.750	8.760
57.000	8.570
57.250	8.400
57.500	8.240
57.750	8.090
58.000	7.960
58.250	7.830
58.500	7.720
58.750	7.610
59.000	7.510
59.250	7.420
59.500	7.330
59.750	7.250
60.000	7.170
60.250	7.100
60.500	7.030
60.750	6.960
61.000	6.890
61.250	6.810
61.500	6.770
61.750	6.710
62.000	6.660
62.250	6.580
62.500	6.550
62.750	6.500
63.000	6.430
63.250	6.410
63.500	6.340
63.750	6.310
64.000	6.250
64.250	6.230
64.500	6.170
64.750	6.150
65.000	6.090
65.250	6.070
65.500	6.020
65.750	5.980
66.000	5.970
66.250	5.910
66.500	5.880
66.750	5.840
67.000	5.830

Highway 9  
Alternative 3B - Input Report

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67.250	5.780
67.500	5.750
67.750	5.720
68.000	5.710
68.250	5.660
68.500	5.630
68.750	5.610
69.000	5.600
69.250	5.550
69.500	5.520
69.750	5.500
70.000	5.470
70.250	5.470
70.500	5.420
70.750	5.400
71.000	5.380
71.250	5.350
71.500	5.330
71.750	5.330
72.000	5.290
72.000	5.290

-----  
Name: 050-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.020
4.500	0.070
4.750	0.160
5.000	0.280
5.250	0.410
5.500	0.510
5.750	0.610
6.000	0.720
6.250	0.850
6.500	0.990
6.750	1.150
7.000	1.330
7.250	1.530
7.500	1.770
7.750	2.160
8.000	2.660
8.250	3.390
8.500	4.420
8.750	5.770
9.000	7.430
9.250	9.470
9.500	11.990
9.750	14.910
10.000	18.190
10.250	21.610
10.500	25.280
10.750	29.460
11.000	34.270
11.250	39.730
11.500	46.020
11.750	53.810
12.000	65.100
12.250	85.220
12.500	106.880
12.750	116.160
13.000	177.100
13.250	242.700
13.500	351.870
13.750	334.720
14.000	244.370
14.250	311.440
14.500	362.750
14.750	379.280
15.000	386.460

Highway 9  
Alternative 3B - Input Report

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15.250	372.150
15.500	369.450
15.750	342.970
16.000	317.220
16.250	291.650
16.500	274.400
16.750	258.560
17.000	245.980
17.250	235.830
17.500	225.670
17.750	214.370
18.000	204.940
18.250	194.550
18.500	186.130
18.750	176.520
19.000	167.080
19.250	160.060
19.500	152.510
19.750	145.470
20.000	139.850
20.250	134.890
20.500	129.700
20.750	126.210
21.000	122.530
21.250	119.750
21.500	116.640
21.750	113.370
22.000	110.160
22.250	108.570
22.500	106.800
22.750	105.100
23.000	103.300
23.250	102.050
23.500	100.180
23.750	98.920
24.000	97.370
24.250	95.330
24.500	93.400
24.750	91.100
25.000	88.370
25.250	85.050
25.500	81.880
25.750	79.030
26.000	76.200
26.250	74.200
26.500	72.210
26.750	70.660
27.000	69.480
27.250	68.830
27.500	68.340
27.750	67.920
28.000	67.460
28.250	67.040
28.500	66.750
28.750	66.390
29.000	66.050
29.250	65.760
29.500	65.480
29.750	65.210
30.000	64.930
30.250	64.700
30.500	64.370
30.750	64.070
31.000	63.730
31.250	63.470
31.500	63.160
31.750	62.790
32.000	62.500
32.250	62.150
32.500	61.740
32.750	61.390
33.000	60.940
33.250	60.540
33.500	60.070
33.750	59.560
34.000	58.980
34.250	58.390
34.500	57.600
34.750	56.810
35.000	55.950
35.250	55.110
35.500	54.160
35.750	53.090
36.000	51.970
36.250	50.590
36.500	48.850
36.750	46.550
37.000	44.240

Highway 9  
Alternative 3B - Input Report

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37.250	42.030
37.500	40.150
37.750	38.440
38.000	37.050
38.250	35.780
38.500	34.780
38.750	33.840
39.000	33.110
39.250	32.390
39.500	31.830
39.750	31.250
40.000	30.810
40.250	30.350
40.500	29.870
40.750	29.490
41.000	29.050
41.250	28.710
41.500	28.340
41.750	27.970
42.000	27.560
42.250	27.250
42.500	26.910
42.750	26.570
43.000	26.230
43.250	25.850
43.500	25.570
43.750	25.250
44.000	24.940
44.250	24.590
44.500	24.330
44.750	24.030
45.000	23.710
45.250	23.480
45.500	23.210
45.750	22.910
46.000	22.680
46.250	22.430
46.500	22.130
46.750	21.910
47.000	21.620
47.250	21.410
47.500	21.160
47.750	20.870
48.000	20.650
48.250	20.350
48.500	20.130
48.750	19.820
49.000	19.590
49.250	19.280
49.500	19.040
49.750	18.730
50.000	18.480
50.250	18.160
50.500	17.910
50.750	17.580
51.000	17.320
51.250	17.000
51.500	16.730
51.750	16.400
52.000	16.130
52.250	15.800
52.500	15.490
52.750	15.220
53.000	14.890
53.250	14.660
53.500	14.370
53.750	14.130
54.000	13.820
54.250	13.560
54.500	13.230
54.750	12.960
55.000	12.610
55.250	12.320
55.500	11.960
55.750	11.650
56.000	11.260
56.250	10.930
56.500	10.600
56.750	10.300
57.000	9.990
57.250	9.750
57.500	9.520
57.750	9.300
58.000	9.100
58.250	8.920
58.500	8.750
58.750	8.600
59.000	8.460

Highway 9  
 Alternative 3B - Input Report

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59.250	8.340
59.500	8.220
59.750	8.110
60.000	8.010
60.250	7.910
60.500	7.830
60.750	7.740
61.000	7.630
61.250	7.580
61.500	7.520
61.750	7.450
62.000	7.380
62.250	7.300
62.500	7.260
62.750	7.200
63.000	7.120
63.250	7.090
63.500	7.040
63.750	6.970
64.000	6.940
64.250	6.870
64.500	6.830
64.750	6.800
65.000	6.740
65.250	6.720
65.500	6.660
65.750	6.620
66.000	6.600
66.250	6.540
66.500	6.500
66.750	6.470
67.000	6.460
67.250	6.400
67.500	6.370
67.750	6.330
68.000	6.300
68.250	6.290
68.500	6.240
68.750	6.210
69.000	6.180
69.250	6.150
69.500	6.120
69.750	6.120
70.000	6.070
70.250	6.040
70.500	6.020
70.750	5.990
71.000	5.960
71.250	5.940
71.500	5.940
71.750	5.890
72.000	5.870

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 Name: 100-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
-----	
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.010
4.000	0.040
4.250	0.110
4.500	0.230
4.750	0.370
5.000	0.500
5.250	0.620
5.500	0.740
5.750	0.870
6.000	1.020
6.250	1.190
6.500	1.390
6.750	1.610
7.000	1.880
7.250	2.290

Highway 9  
Alternative 3B - Input Report

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7.500	2.740
7.750	3.350
8.000	4.230
8.250	5.500
8.500	7.210
8.750	9.300
9.000	11.770
9.250	14.700
9.500	17.990
9.750	21.410
10.000	24.970
10.250	28.980
10.500	33.380
10.750	38.290
11.000	43.660
11.250	50.010
11.500	57.010
11.750	64.860
12.000	77.380
12.250	97.690
12.500	107.220
12.750	121.450
13.000	195.810
13.250	306.710
13.500	323.800
13.750	342.600
14.000	422.620
14.250	471.740
14.500	491.620
14.750	492.060
15.000	472.850
15.250	447.940
15.500	422.930
15.750	402.430
16.000	383.950
16.250	367.730
16.500	362.840
16.750	344.530
17.000	340.760
17.250	323.050
17.500	290.280
17.750	270.070
18.000	253.640
18.250	238.500
18.500	224.480
18.750	213.010
19.000	200.930
19.250	189.790
19.500	179.630
19.750	170.380
20.000	162.680
20.250	155.120
20.500	148.970
20.750	144.270
21.000	138.010
21.250	134.170
21.500	130.250
21.750	126.030
22.000	123.720
22.250	121.350
22.500	119.700
22.750	116.950
23.000	115.420
23.250	113.140
23.500	111.220
23.750	109.590
24.000	108.700
24.250	107.190
24.500	105.350
24.750	102.850
25.000	99.630
25.250	95.680
25.500	91.750
25.750	88.590
26.000	85.020
26.250	81.660
26.500	78.980
26.750	76.660
27.000	74.780
27.250	73.510
27.500	71.720
27.750	70.510
28.000	69.580
28.250	68.790
28.500	68.050
28.750	67.500
29.000	67.180
29.250	66.870



Highway 9  
Alternative 3B - Input Report

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29.500	66.720
29.750	66.460
30.000	66.210
30.250	66.020
30.500	65.840
30.750	65.710
31.000	65.480
31.250	65.330
31.500	65.100
31.750	64.890
32.000	64.640
32.250	64.470
32.500	64.250
32.750	64.030
33.000	63.750
33.250	63.550
33.500	63.300
33.750	63.000
34.000	62.780
34.250	62.500
34.500	62.220
34.750	61.970
35.000	61.660
35.250	61.300
35.500	60.960
35.750	60.610
36.000	60.230
36.250	59.800
36.500	59.410
36.750	58.960
37.000	58.430
37.250	57.900
37.500	57.230
37.750	56.560
38.000	55.780
38.250	55.010
38.500	54.160
38.750	53.210
39.000	52.250
39.250	51.110
39.500	49.880
39.750	48.230
40.000	46.130
40.250	43.810
40.500	41.600
40.750	39.680
41.000	37.940
41.250	36.510
41.500	35.260
41.750	34.170
42.000	33.210
42.250	32.450
42.500	31.760
42.750	31.140
43.000	30.590
43.250	30.040
43.500	29.610
43.750	29.170
44.000	28.750
44.250	28.350
44.500	27.920
44.750	27.570
45.000	27.200
45.250	26.840
45.500	26.450
45.750	26.150
46.000	25.820
46.250	25.460
46.500	25.180
46.750	24.880
47.000	24.540
47.250	24.270
47.500	23.940
47.750	23.680
48.000	23.390
48.250	23.060
48.500	22.800
48.750	22.480
49.000	22.220
49.250	21.900
49.500	21.640
49.750	21.310
50.000	21.030
50.250	20.690
50.500	20.420
50.750	20.080
51.000	19.790
51.250	19.440

Highway 9  
 Alternative 3B - Input Report

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51.500	19.110
51.750	18.820
52.000	18.460
52.250	18.160
52.500	17.790
52.750	17.490
53.000	17.120
53.250	16.810
53.500	16.430
53.750	16.090
54.000	15.780
54.250	15.400
54.500	15.090
54.750	14.750
55.000	14.490
55.250	14.170
55.500	13.910
55.750	13.570
56.000	13.290
56.250	12.950
56.500	12.660
56.750	12.340
57.000	11.980
57.250	11.690
57.500	11.350
57.750	11.020
58.000	10.720
58.250	10.440
58.500	10.180
58.750	9.910
59.000	9.720
59.250	9.520
59.500	9.340
59.750	9.180
60.000	9.030
60.250	8.890
60.500	8.770
60.750	8.650
61.000	8.550
61.250	8.450
61.500	8.350
61.750	8.260
62.000	8.160
62.250	8.100
62.500	8.030
62.750	7.960
63.000	7.870
63.250	7.830
63.500	7.740
63.750	7.710
64.000	7.630
64.250	7.600
64.500	7.520
64.750	7.500
65.000	7.430
65.250	7.400
65.500	7.330
65.750	7.290
66.000	7.270
66.250	7.200
66.500	7.160
66.750	7.150
67.000	7.090
67.250	7.050
67.500	7.010
67.750	6.970
68.000	6.960
68.250	6.910
68.500	6.870
68.750	6.840
69.000	6.810
69.250	6.780
69.500	6.770
69.750	6.720
70.000	6.690
70.250	6.660
70.500	6.630
70.750	6.600
71.000	6.570
71.250	6.550
71.500	6.550
71.750	6.500
72.000	6.470

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Name: 002-year                      Node: HWY57\_N                      Type: Flow

Time(hrs)                      Flow(cfs)

0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	4.230
12.750	13.380
13.000	20.510
13.250	26.030
13.500	30.470
13.750	35.190
14.000	39.050
14.250	41.470
14.500	42.700
14.750	43.580
15.000	44.410
15.250	45.270
15.500	46.140
15.750	47.000
16.000	47.630
16.250	48.370
16.500	49.180
16.750	49.900
17.000	54.990
17.250	60.010
17.500	64.980
17.750	66.510
18.000	67.780
18.250	68.340
18.500	68.760
18.750	68.830
19.000	68.850
19.250	68.510
19.500	68.490
19.750	68.000
20.000	67.500
20.250	66.940
20.500	66.160
20.750	65.470
21.000	64.760
21.250	64.060
21.500	63.400

21.750	62.710
22.000	62.020
22.250	61.330
22.500	60.620
22.750	64.510
23.000	60.870
23.250	59.290
23.500	58.140
23.750	57.260
24.000	56.480
24.250	55.690
24.500	54.860
24.750	53.920
25.000	52.900
25.250	51.940
25.500	51.050
25.750	50.360
26.000	50.140
26.250	49.930
26.500	49.710
26.750	49.430
27.000	49.110
27.250	48.770
27.500	48.380
27.750	47.930
28.000	47.420
28.250	46.890
28.500	46.350
28.750	45.730
29.000	45.380
29.250	44.650
29.500	43.610
29.750	42.370
30.000	40.820
30.250	39.140
30.500	37.620
30.750	36.280
31.000	35.080
31.250	34.010
31.500	33.080
31.750	32.180
32.000	31.440
32.250	30.730
32.500	30.060
32.750	29.310
33.000	28.510
33.250	27.630
33.500	26.710
33.750	25.760
34.000	24.860
34.250	23.970
34.500	23.110
34.750	22.290
35.000	21.550
35.250	20.870
35.500	20.220
35.750	19.640
36.000	19.140
36.250	18.670
36.500	18.290
36.750	17.910
37.000	17.610
37.250	17.340
37.500	17.070
37.750	16.860
38.000	16.630
38.250	16.430
38.500	16.250
38.750	16.090
39.000	15.950
39.250	15.830
39.500	15.730
39.750	15.650
40.000	15.570
40.250	15.510
40.500	15.410
40.750	15.360
41.000	15.310
41.250	15.260
41.500	15.200
41.750	15.140
42.000	15.070
42.250	14.970
42.500	14.910
42.750	14.860
43.000	14.790
43.250	14.720
43.500	14.650

43.750	14.550
44.000	14.500
44.250	14.440
44.500	14.380
44.750	14.320
45.000	14.260
45.250	14.200
45.500	14.100
45.750	14.060
46.000	14.020
46.250	13.980
46.500	13.930
46.750	13.890
47.000	13.820
47.250	13.790
47.500	13.760
47.750	13.730
48.000	13.700
48.250	13.670
48.500	13.600
48.750	13.580
49.000	13.560
49.250	13.530
49.500	13.500
49.750	13.430
50.000	13.420
50.250	13.390
50.500	13.370
50.750	13.410
51.000	13.320
51.250	13.360
51.500	13.380
51.750	13.380
52.000	13.370
52.250	13.240
52.500	13.260
52.750	13.270
53.000	13.260
53.250	13.130
53.500	13.150
53.750	13.160
54.000	13.020
54.250	13.060
54.500	13.070
54.750	13.070
55.000	13.060
55.250	12.910
55.500	12.940
55.750	12.910
56.000	12.850
56.250	12.780
56.500	12.670
56.750	12.620
57.000	12.580
57.250	12.530
57.500	12.470
57.750	12.430
58.000	12.390
58.250	12.350
58.500	12.300
58.750	12.270
59.000	12.230
59.250	12.190
59.500	12.160
59.750	12.120
60.000	12.080
60.250	12.050
60.500	12.010
60.750	11.970
61.000	11.950
61.250	11.910
61.500	11.880
61.750	11.840
62.000	11.800
62.250	11.780
62.500	11.740
62.750	11.700
63.000	11.680
63.250	11.630
63.500	11.620
63.750	11.570
64.000	11.560
64.250	11.510
64.500	11.480
64.750	11.460
65.000	11.440
65.250	11.420
65.500	11.390

Highway 9  
 Alternative 3B - Input Report

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65.750	11.360
66.000	11.340
66.250	11.310
66.500	11.280
66.750	11.250
67.000	11.220
67.250	11.190
67.500	11.160
67.750	11.130
68.000	11.100
68.250	11.070
68.500	11.040
68.750	11.010
69.000	10.980
69.250	10.950
69.500	10.920
69.750	10.890
70.000	10.860
70.250	10.830
70.500	10.800
70.750	10.770
71.000	10.750
71.250	10.720
71.500	10.690
71.750	10.660
72.000	10.630

-----  
 Name: 002-year                      Node: HWY57\_S                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.010
6.750	0.040
7.000	0.080
7.250	0.130
7.500	0.200
7.750	0.270
8.000	0.360
8.250	0.470
8.500	0.580
8.750	0.710
9.000	0.850
9.250	1.020
9.500	1.210
9.750	1.440
10.000	1.710
10.250	2.070
10.500	2.620
10.750	3.280
11.000	4.220
11.250	5.560
11.500	7.420
11.750	10.050
12.000	14.660
12.250	25.210
12.500	44.340
12.750	62.200
13.000	80.470
13.250	97.830
13.500	107.090
13.750	108.690

Highway 9  
Alternative 3B - Input Report

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14.000	106.590
14.250	103.820
14.500	100.760
14.750	98.060
15.000	95.590
15.250	93.310
15.500	91.030
15.750	88.730
16.000	86.410
16.250	84.510
16.500	82.410
16.750	80.620
17.000	78.700
17.250	76.800
17.500	74.950
17.750	73.080
18.000	71.330
18.250	69.730
18.500	68.070
18.750	66.300
19.000	64.480
19.250	62.490
19.500	60.250
19.750	57.380
20.000	54.220
20.250	51.280
20.500	48.440
20.750	45.950
21.000	43.890
21.250	42.050
21.500	40.580
21.750	39.340
22.000	38.450
22.250	37.670
22.500	36.960
22.750	36.320
23.000	35.820
23.250	35.340
23.500	34.850
23.750	34.410
24.000	34.120
24.250	33.740
24.500	33.300
24.750	32.630
25.000	31.850
25.250	31.100
25.500	30.320
25.750	29.520
26.000	28.800
26.250	28.160
26.500	27.470
26.750	26.840
27.000	26.230
27.250	25.700
27.500	25.140
27.750	24.650
28.000	24.160
28.250	23.750
28.500	23.410
28.750	23.030
29.000	22.710
29.250	22.420
29.500	22.150
29.750	21.900
30.000	21.670
30.250	21.450
30.500	21.240
30.750	21.060
31.000	20.880
31.250	20.710
31.500	20.550
31.750	20.400
32.000	20.260
32.250	20.120
32.500	19.980
32.750	19.850
33.000	19.690
33.250	19.590
33.500	19.470
33.750	19.340
34.000	19.220
34.250	19.100
34.500	18.980
34.750	18.840
35.000	18.750
35.250	18.640
35.500	18.530
35.750	18.410

36.000	18.330
36.250	18.230
36.500	18.110
36.750	18.030
37.000	17.920
37.250	17.800
37.500	17.710
37.750	17.590
38.000	17.450
38.250	17.330
38.500	17.180
38.750	17.010
39.000	16.860
39.250	16.690
39.500	16.490
39.750	16.320
40.000	16.100
40.250	15.920
40.500	15.680
40.750	15.480
41.000	15.270
41.250	15.060
41.500	14.890
41.750	14.670
42.000	14.490
42.250	14.270
42.500	14.020
42.750	13.790
43.000	13.520
43.250	13.210
43.500	12.910
43.750	12.590
44.000	12.260
44.250	11.910
44.500	11.550
44.750	11.190
45.000	10.780
45.250	10.330
45.500	9.880
45.750	9.440
46.000	9.080
46.250	8.720
46.500	8.390
46.750	8.090
47.000	7.800
47.250	7.540
47.500	7.310
47.750	7.100
48.000	6.890
48.250	6.710
48.500	6.540
48.750	6.390
49.000	6.260
49.250	6.120
49.500	6.000
49.750	5.890
50.000	5.790
50.250	5.690
50.500	5.600
50.750	5.500
51.000	5.430
51.250	5.350
51.500	5.270
51.750	5.200
52.000	5.130
52.250	5.060
52.500	5.010
52.750	4.940
53.000	4.890
53.250	4.830
53.500	4.770
53.750	4.730
54.000	4.670
54.250	4.620
54.500	4.580
54.750	4.530
55.000	4.480
55.250	4.440
55.500	4.400
55.750	4.360
56.000	4.320
56.250	4.280
56.500	4.240
56.750	4.200
57.000	4.170
57.250	4.130
57.500	4.090
57.750	4.060



Highway 9  
 Alternative 3B - Input Report

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58.000	4.030
58.250	3.990
58.500	3.960
58.750	3.930
59.000	3.900
59.250	3.870
59.500	3.840
59.750	3.810
60.000	3.780
60.250	3.750
60.500	3.730
60.750	3.700
61.000	3.670
61.250	3.650
61.500	3.620
61.750	3.600
62.000	3.570
62.250	3.550
62.500	3.520
62.750	3.500
63.000	3.480
63.250	3.460
63.500	3.430
63.750	3.410
64.000	3.390
64.250	3.370
64.500	3.350
64.750	3.330
65.000	3.310
65.250	3.290
65.500	3.270
65.750	3.250
66.000	3.230
66.250	3.210
66.500	3.190
66.750	3.170
67.000	3.150
67.250	3.140
67.500	3.120
67.750	3.100
68.000	3.080
68.250	3.070
68.500	3.050
68.750	3.030
69.000	3.020
69.250	3.000
69.500	2.980
69.750	2.970
70.000	2.950
70.250	2.940
70.500	2.920
70.750	2.910
71.000	2.890
71.250	2.870
71.500	2.860
71.750	2.850
72.000	2.830

-----  
 Name: OCT-2016                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	2.230

6.250	5.310
6.500	8.770
6.750	11.370
7.000	12.950
7.250	14.030
7.500	14.880
7.750	15.420
8.000	15.820
8.250	15.990
8.500	16.020
8.750	15.970
9.000	15.790
9.250	15.560
9.500	15.250
9.750	14.920
10.000	14.600
10.250	14.320
10.500	14.040
10.750	13.810
11.000	13.650
11.250	13.480
11.500	13.400
11.750	13.340
12.000	13.280
12.250	13.230
12.500	13.230
12.750	13.210
13.000	13.180
13.250	13.130
13.500	13.080
13.750	13.020
14.000	12.960
14.250	12.900
14.500	12.850
14.750	12.750
15.000	12.710
15.250	12.670
15.500	12.630
15.750	12.630
16.000	12.570
16.250	12.510
16.500	12.460
16.750	12.460
17.000	12.400
17.250	12.340
17.500	12.290
17.750	12.240
18.000	12.190
18.250	12.120
18.500	12.180
18.750	12.510
19.000	13.170
19.250	14.000
19.500	14.830
19.750	15.450
20.000	15.710
20.250	15.770
20.500	15.730
20.750	15.710
21.000	15.840
21.250	16.130
21.500	16.500
21.750	16.840
22.000	17.070
22.250	17.300
22.500	17.430
22.750	17.740
23.000	18.430
23.250	19.530
23.500	20.920
23.750	22.240
24.000	23.540
24.250	24.840
24.500	26.250
24.750	27.760
25.000	29.340
25.250	30.900
25.500	32.360
25.750	33.720
26.000	34.960
26.250	36.100
26.500	37.170
26.750	38.330
27.000	40.430
27.250	42.730
27.500	44.860
27.750	46.790
28.000	48.350

Highway 9  
Alternative 3B - Input Report

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28.250	49.720
28.500	56.310
28.750	67.880
29.000	74.700
29.250	77.720
29.500	83.090
29.750	88.710
30.000	101.920
30.250	127.940
30.500	154.030
30.750	164.850
31.000	169.090
31.250	174.820
31.500	181.920
31.750	187.080
32.000	191.760
32.250	196.880
32.500	200.610
32.750	201.990
33.000	202.390
33.250	202.220
33.500	200.640
33.750	197.530
34.000	193.550
34.250	189.340
34.500	184.850
34.750	180.240
35.000	175.720
35.250	171.520
35.500	171.290
35.750	182.520
36.000	206.130
36.250	232.650
36.500	253.560
36.750	268.350
37.000	283.890
37.250	299.160
37.500	307.570
37.750	306.770
38.000	303.250
38.250	300.210
38.500	299.240
38.750	301.630
39.000	306.410
39.250	312.000
39.500	314.360
39.750	312.560
40.000	310.610
40.250	308.530
40.500	304.250
40.750	296.960
41.000	288.960
41.250	281.070
41.500	273.330
41.750	265.650
42.000	257.970
42.250	250.320
42.500	242.680
42.750	235.080
43.000	227.630
43.250	220.310
43.500	213.200
43.750	206.360
44.000	199.760
44.250	193.380
44.500	187.230
44.750	181.330
45.000	175.700
45.250	170.290
45.500	165.160
45.750	160.240
46.000	155.460
46.250	150.910
46.500	146.540
46.750	142.350
47.000	138.280
47.250	134.340
47.500	130.500
47.750	126.780
48.000	123.190
48.250	119.740
48.500	116.460
48.750	113.000
49.000	110.820
49.250	106.770
49.500	103.400
49.750	100.390
50.000	99.240

50.250	95.260
50.500	92.410
50.750	89.840
51.000	87.390
51.250	85.040
51.500	82.820
51.750	80.680
52.000	78.620
52.250	76.640
52.500	74.730
52.750	72.910
53.000	71.150
53.250	69.460
53.500	67.820
53.750	66.270
54.000	64.780
54.250	63.480
54.500	62.160
54.750	60.730
55.000	59.400
55.250	58.140
55.500	56.970
55.750	55.840
56.000	54.830
56.250	53.880
56.500	53.070
56.750	52.640
57.000	52.570
57.250	52.470
57.500	52.350
57.750	52.170
58.000	51.950
58.250	51.660
58.500	51.340
58.750	50.960
59.000	50.500
59.250	49.960
59.500	49.340
59.750	48.630
60.000	47.830
60.250	46.900
60.500	45.890
60.750	44.700
61.000	43.300
61.250	41.880
61.500	40.620
61.750	39.520
62.000	38.500
62.250	37.620
62.500	36.800
62.750	36.050
63.000	35.390
63.250	34.760
63.500	34.160
63.750	33.610
64.000	33.100
64.250	32.600
64.500	32.140
64.750	31.680
65.000	31.230
65.250	30.820
65.500	30.430
65.750	30.040
66.000	29.650
66.250	29.270
66.500	28.890
66.750	28.450
67.000	27.990
67.250	27.490
67.500	26.970
67.750	26.450
68.000	25.950
68.250	25.430
68.500	24.980
68.750	24.540
69.000	24.130
69.250	23.740
69.500	23.380
69.750	23.030
70.000	22.680
70.250	22.400
70.500	22.120
70.750	21.860
71.000	21.620
71.250	21.390
71.500	21.140
71.750	20.950
72.000	20.760

Name: OCT-2016		Node: HWY57_S	Type: Flow
Time(hrs)	Flow(cfs)		
0.000	0.000		
0.250	0.000		
0.500	0.000		
0.750	0.000		
1.000	0.000		
1.250	0.000		
1.500	0.000		
1.750	0.000		
2.000	0.000		
2.250	0.000		
2.500	0.000		
2.750	0.000		
3.000	0.000		
3.250	0.000		
3.500	0.000		
3.750	0.000		
4.000	0.000		
4.250	0.040		
4.500	0.460		
4.750	1.270		
5.000	2.340		
5.250	4.520		
5.500	9.980		
5.750	18.640		
6.000	29.100		
6.250	39.980		
6.500	51.360		
6.750	61.030		
7.000	66.590		
7.250	68.510		
7.500	67.810		
7.750	65.710		
8.000	63.170		
8.250	60.740		
8.500	58.150		
8.750	55.150		
9.000	51.700		
9.250	48.180		
9.500	44.630		
9.750	41.150		
10.000	37.770		
10.250	34.640		
10.500	31.780		
10.750	29.230		
11.000	27.040		
11.250	25.170		
11.500	23.550		
11.750	22.180		
12.000	21.040		
12.250	20.060		
12.500	19.230		
12.750	18.530		
13.000	17.900		
13.250	17.340		
13.500	16.830		
13.750	16.360		
14.000	15.920		
14.250	15.510		
14.500	15.140		
14.750	14.780		
15.000	14.420		
15.250	14.060		
15.500	13.710		
15.750	13.350		
16.000	12.990		
16.250	12.630		
16.500	12.260		
16.750	11.890		
17.000	11.500		
17.250	11.100		
17.500	10.690		
17.750	10.270		
18.000	9.840		
18.250	9.430		
18.500	9.060		
18.750	8.640		
19.000	8.200		
19.250	7.730		
19.500	7.250		
19.750	6.750		
20.000	6.230		
20.250	5.680		

Highway 9  
Alternative 3B - Input Report

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20.500	17.240
20.750	17.430
21.000	18.090
21.250	19.170
21.500	20.290
21.750	21.110
22.000	21.570
22.250	21.820
22.500	22.110
22.750	23.020
23.000	24.930
23.250	27.490
23.500	29.830
23.750	31.250
24.000	32.170
24.250	32.900
24.500	33.630
24.750	34.580
25.000	35.750
25.250	37.060
25.500	38.290
25.750	39.390
26.000	40.470
26.250	41.440
26.500	42.340
26.750	44.310
27.000	49.730
27.250	58.160
27.500	67.180
27.750	75.220
28.000	81.020
28.250	83.900
28.500	84.240
28.750	83.350
29.000	82.780
29.250	83.280
29.500	84.400
29.750	86.350
30.000	93.310
30.250	105.440
30.500	119.520
30.750	136.100
31.000	173.470
31.250	217.250
31.500	231.920
31.750	231.800
32.000	213.990
32.250	198.150
32.500	191.890
32.750	188.320
33.000	180.460
33.250	172.310
33.500	163.540
33.750	155.030
34.000	145.540
34.250	137.940
34.500	131.060
34.750	124.670
35.000	117.480
35.250	111.170
35.500	107.130
35.750	109.550
36.000	126.220
36.250	143.820
36.500	173.710
36.750	216.370
37.000	193.480
37.250	270.580
37.500	338.090
37.750	371.720
38.000	383.480
38.250	379.640
38.500	376.400
38.750	368.510
39.000	344.880
39.250	304.050
39.500	285.880
39.750	276.180
40.000	269.250
40.250	263.890
40.500	258.830
40.750	250.820
41.000	241.110
41.250	227.320
41.500	212.570
41.750	197.150
42.000	182.390
42.250	167.530

42.500	155.310
42.750	143.630
43.000	133.120
43.250	123.820
43.500	117.520
43.750	110.750
44.000	105.200
44.250	100.110
44.500	95.810
44.750	91.450
45.000	87.780
45.250	84.490
45.500	81.620
45.750	79.050
46.000	76.730
46.250	74.480
46.500	72.770
46.750	71.890
47.000	71.120
47.250	70.180
47.500	69.770
47.750	68.720
48.000	67.990
48.250	67.480
48.500	67.260
48.750	66.970
49.000	66.710
49.250	66.460
49.500	66.290
49.750	66.140
50.000	65.990
50.250	65.790
50.500	65.640
50.750	65.490
51.000	65.390
51.250	65.200
51.500	65.050
51.750	64.900
52.000	64.690
52.250	64.570
52.500	64.410
52.750	64.190
53.000	64.050
53.250	63.860
53.500	63.620
53.750	63.450
54.000	63.240
54.250	63.010
54.500	62.780
54.750	62.580
55.000	62.330
55.250	62.030
55.500	61.750
55.750	61.460
56.000	61.120
56.250	60.840
56.500	60.520
56.750	60.140
57.000	59.800
57.250	59.380
57.500	59.000
57.750	58.510
58.000	58.050
58.250	57.500
58.500	56.830
58.750	56.160
59.000	55.380
59.250	54.610
59.500	53.760
59.750	52.810
60.000	51.850
60.250	50.740
60.500	49.440
60.750	47.840
61.000	45.690
61.250	43.370
61.500	41.190
61.750	39.210
62.000	37.550
62.250	36.080
62.500	34.830
62.750	33.750
63.000	32.790
63.250	32.040
63.500	31.340
63.750	30.730
64.000	30.140
64.250	29.670

Highway 9  
 Alternative 3B - Input Report

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64.500	29.210
64.750	28.730
65.000	28.350
65.250	27.950
65.500	27.530
65.750	27.190
66.000	26.830
66.250	26.450
66.500	26.150
66.750	25.790
67.000	25.500
67.250	25.190
67.500	24.840
67.750	24.560
68.000	24.220
68.250	23.950
68.500	23.620
68.750	23.350
69.000	23.020
69.250	22.750
69.500	22.460
69.750	22.120
70.000	21.840
70.250	21.500
70.500	21.220
70.750	20.870
71.000	20.580
71.250	20.220
71.500	19.890
71.750	19.600
72.000	19.230

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 Name: OCT-2015                      Node: HWY57\_N                      Type: Flow

Time(hrs)	Flow(cfs)
0.000	0.000
0.250	0.000
0.500	0.000
0.750	0.000
1.000	0.000
1.250	0.000
1.500	0.000
1.750	0.000
2.000	0.000
2.250	0.000
2.500	0.000
2.750	0.000
3.000	0.000
3.250	0.000
3.500	0.000
3.750	0.000
4.000	0.000
4.250	0.000
4.500	0.000
4.750	0.000
5.000	0.000
5.250	0.000
5.500	0.000
5.750	0.000
6.000	0.000
6.250	0.000
6.500	0.000
6.750	0.000
7.000	0.000
7.250	0.000
7.500	0.000
7.750	0.000
8.000	0.000
8.250	0.000
8.500	0.000
8.750	0.000
9.000	0.000
9.250	0.000
9.500	0.000
9.750	0.000
10.000	0.000
10.250	0.000
10.500	0.000
10.750	0.000
11.000	0.000
11.250	0.000
11.500	0.000
11.750	0.000
12.000	0.000
12.250	0.000
12.500	0.000



Highway 9  
Alternative 3B - Input Report

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12.750	0.000
13.000	0.000
13.250	0.000
13.500	0.000
13.750	0.000
14.000	0.000
14.250	0.000
14.500	0.000
14.750	0.000
15.000	0.000
15.250	0.000
15.500	0.000
15.750	0.000
16.000	0.000
16.250	0.000
16.500	0.000
16.750	0.000
17.000	0.000
17.250	0.000
17.500	0.000
17.750	0.000
18.000	0.000
18.250	0.000
18.500	0.000
18.750	0.000
19.000	0.000
19.250	0.000
19.500	0.000
19.750	0.000
20.000	0.000
20.250	0.000
20.500	0.000
20.750	0.000
21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.000
24.750	0.000
25.000	0.000
25.250	0.000
25.500	0.000
25.750	0.000
26.000	0.000
26.250	0.000
26.500	0.000
26.750	0.000
27.000	0.000
27.250	0.000
27.500	0.000
27.750	0.000
28.000	0.000
28.250	0.410
28.500	1.200
28.750	1.610
29.000	1.910
29.250	1.840
29.500	0.990
29.750	2.650
30.000	4.880
30.250	8.600
30.500	12.900
30.750	16.140
31.000	18.200
31.250	19.580
31.500	20.550
31.750	21.060
32.000	21.210
32.250	21.040
32.500	20.630
32.750	20.140
33.000	19.660
33.250	19.430
33.500	19.500
33.750	19.910
34.000	20.540
34.250	21.220
34.500	21.900

Highway 9  
Alternative 3B - Input Report

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34.750	22.490
35.000	22.990
35.250	23.310
35.500	23.530
35.750	23.620
36.000	23.600
36.250	23.430
36.500	23.200
36.750	22.910
37.000	22.540
37.250	22.150
37.500	21.680
37.750	21.190
38.000	20.680
38.250	20.160
38.500	19.880
38.750	20.090
39.000	20.920
39.250	22.400
39.500	25.340
39.750	31.590
40.000	39.540
40.250	44.480
40.500	48.070
40.750	68.380
41.000	112.420
41.250	135.850
41.500	151.770
41.750	162.960
42.000	173.170
42.250	183.690
42.500	192.190
42.750	197.180
43.000	200.560
43.250	203.620
43.500	207.250
43.750	211.510
44.000	215.400
44.250	221.740
44.500	241.200
44.750	278.910
45.000	323.300
45.250	363.720
45.500	386.020
45.750	387.940
46.000	384.790
46.250	381.900
46.500	378.810
46.750	374.010
47.000	368.000
47.250	360.990
47.500	352.830
47.750	343.640
48.000	333.470
48.250	322.690
48.500	311.690
48.750	300.850
49.000	290.230
49.250	280.000
49.500	270.250
49.750	260.980
50.000	252.150
50.250	243.640
50.500	235.440
50.750	227.550
51.000	220.110
51.250	213.080
51.500	206.590
51.750	200.580
52.000	195.000
52.250	189.600
52.500	184.680
52.750	180.280
53.000	176.250
53.250	172.350
53.500	168.200
53.750	163.600
54.000	158.980
54.250	154.540
54.500	150.310
54.750	146.220
55.000	142.240
55.250	138.400
55.500	134.640
55.750	130.870
56.000	127.260
56.250	123.690
56.500	120.300

Highway 9  
Alternative 3B - Input Report

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56.750	117.080
57.000	113.800
57.250	112.380
57.500	110.420
57.750	111.910
58.000	114.790
58.250	116.930
58.500	117.870
58.750	116.180
59.000	113.670
59.250	110.990
59.500	108.240
59.750	105.930
60.000	103.770
60.250	101.670
60.500	99.610
60.750	99.640
61.000	95.930
61.250	93.410
61.500	91.140
61.750	88.930
62.000	86.720
62.250	84.580
62.500	82.510
62.750	80.530
63.000	78.610
63.250	76.730
63.500	74.920
63.750	73.170
64.000	71.480
64.250	69.850
64.500	68.260
64.750	66.720
65.000	65.230
65.250	63.790
65.500	62.430
65.750	61.220
66.000	60.020
66.250	58.760
66.500	58.040
66.750	58.210
67.000	59.030
67.250	60.070
67.500	60.660
67.750	60.330
68.000	59.340
68.250	58.190
68.500	57.090
68.750	56.080
69.000	55.160
69.250	54.320
69.500	53.570
69.750	52.900
70.000	52.400
70.250	52.320
70.500	52.180
70.750	52.010
71.000	51.810
71.250	51.600
71.500	51.340
71.750	51.040
72.000	50.720
72.250	50.350
72.500	49.920
72.750	49.420
73.000	48.880
73.250	48.270
73.500	47.590
73.750	46.790
74.000	45.890
74.250	44.820
74.500	43.510
74.750	42.090
75.000	40.820
75.250	39.740
75.500	39.200
75.750	39.830
76.000	41.580
76.250	43.570
76.500	45.050
76.750	46.060
77.000	46.710
77.250	47.220
77.500	47.620
77.750	47.980
78.000	48.350
78.250	48.660
78.500	48.960

Highway 9  
Alternative 3B - Input Report

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78.750	49.230
79.000	49.450
79.250	49.600
79.500	49.740
79.750	49.840
80.000	49.930
80.250	50.010
80.500	50.090
80.750	50.120
81.000	50.100
81.250	50.050
81.500	49.960
81.750	49.880
82.000	49.820
82.250	49.820
82.500	49.880
82.750	50.050
83.000	50.320
83.250	50.720
83.500	51.230
83.750	62.200
84.000	80.210
84.250	95.020
84.500	105.200
84.750	111.160
85.000	113.810
85.250	122.690
85.500	147.230
85.750	195.110
86.000	251.870
86.250	303.480
86.500	333.810
86.750	340.730
87.000	342.780
87.250	346.530
87.500	350.990
87.750	354.030
88.000	355.490
88.250	355.300
88.500	352.360
88.750	346.590
89.000	338.760
89.250	329.860
89.500	320.590
89.750	311.400
90.000	302.230
90.250	293.370
90.500	285.180
90.750	277.980
91.000	271.160
91.250	264.330
91.500	256.920
91.750	248.830
92.000	240.880
92.250	233.310
92.500	226.020
92.750	218.960
93.000	212.180
93.250	205.600
93.500	199.490
93.750	193.680
94.000	188.120
94.250	182.970
94.500	178.560
94.750	175.150
95.000	172.200
95.250	169.300
95.500	166.040
95.750	162.180
96.000	158.300
96.250	154.570
96.500	150.830
96.750	146.980
97.000	143.180
97.250	139.580
97.500	136.160
97.750	133.130
98.000	130.180
98.250	127.450
98.500	125.140
98.750	123.350
99.000	121.840
99.250	120.560
99.500	120.600
99.750	122.370
100.000	124.930
100.250	127.300
100.500	128.640

Highway 9  
Alternative 3B - Input Report

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100.750	128.730
101.000	128.370
101.250	128.510
101.500	130.680
101.750	135.570
102.000	141.570
102.250	147.120
102.500	151.330
102.750	153.510
103.000	154.980
103.250	156.450
103.500	157.720
103.750	158.640
104.000	159.440
104.250	160.390
104.500	161.920
104.750	164.070
105.000	166.380
105.250	168.170
105.500	168.380
105.750	166.540
106.000	164.030
106.250	161.440
106.500	158.640
106.750	155.450
107.000	152.050
107.250	148.580
107.500	145.160
107.750	141.650
108.000	138.150
108.250	134.600
108.500	131.070
108.750	127.570
109.000	124.150
109.250	120.570
109.500	117.230
109.750	113.910
110.000	110.810
110.250	107.650
110.500	104.880
110.750	102.960
111.000	99.140
111.250	96.290
111.500	93.880
111.750	96.840
112.000	91.110
112.250	88.770
112.500	86.840
112.750	85.050
113.000	83.320
113.250	81.630
113.500	79.860
113.750	77.930
114.000	75.980
114.250	74.090
114.500	72.280
114.750	70.570
115.000	68.920
115.250	67.310
115.500	65.870
115.750	64.590
116.000	63.450
116.250	62.340
116.500	61.180
116.750	59.920
117.000	58.630
117.250	57.410
117.500	56.240
117.750	55.270
118.000	54.350
118.250	53.350
118.500	52.480
118.750	51.940
119.000	51.870
119.250	51.720
119.500	51.520
119.750	51.280
120.000	50.960
120.250	50.630
120.500	50.240
120.750	49.800
121.000	49.340
121.250	48.820
121.500	48.270
121.750	47.660
122.000	46.980
122.250	46.170
122.500	45.260

122.750	44.150
123.000	42.820
123.250	41.360
123.500	40.070
123.750	38.900
124.000	37.870
124.250	36.910
124.500	36.050
124.750	35.290
125.000	34.580
125.250	33.940
125.500	33.380
125.750	32.820
126.000	32.330
126.250	31.820
126.500	31.380
126.750	30.930
127.000	30.480
127.250	30.060
127.500	29.660
127.750	29.250
128.000	28.840
128.250	28.400
128.500	27.900
128.750	27.360
129.000	26.820
129.250	26.270
129.500	25.750
129.750	25.240
130.000	24.760
130.250	24.310
130.500	23.850
130.750	23.460
131.000	23.090
131.250	22.750
131.500	22.420
131.750	22.120
132.000	21.810
132.250	21.550
132.500	21.310
132.750	21.080
133.000	20.860
133.250	20.660
133.500	20.430
133.750	20.270
134.000	20.100
134.250	19.940
134.500	19.790
134.750	19.650
135.000	19.480
135.250	19.360
135.500	19.240
135.750	19.130
136.000	19.020
136.250	18.930
136.500	18.800
136.750	18.710
137.000	18.620
137.250	18.520
137.500	18.440
137.750	18.350
138.000	18.230
138.250	18.160
138.500	18.100
138.750	18.030
139.000	17.960
139.250	17.860
139.500	17.810
139.750	17.750
140.000	17.700
140.250	17.720
140.500	17.600
140.750	17.620
141.000	17.610
141.250	17.590
141.500	17.560
141.750	17.400
142.000	17.400
142.250	17.390
142.500	17.230
142.750	17.240
143.000	17.230
143.250	17.210
143.500	17.050
143.750	17.060
144.000	17.050

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Name: OCT-2015	Node: HWY57_S	Type: Flow
Time(hrs)	Flow(cfs)	
0.000	0.000	
0.250	0.000	
0.500	0.000	
0.750	0.000	
1.000	0.000	
1.250	0.000	
1.500	0.000	
1.750	0.000	
2.000	0.000	
2.250	0.000	
2.500	0.000	
2.750	0.000	
3.000	0.000	
3.250	0.000	
3.500	0.000	
3.750	0.000	
4.000	0.000	
4.250	0.000	
4.500	0.000	
4.750	0.000	
5.000	0.000	
5.250	0.000	
5.500	0.000	
5.750	0.000	
6.000	0.000	
6.250	0.000	
6.500	0.000	
6.750	0.000	
7.000	0.000	
7.250	0.000	
7.500	0.000	
7.750	0.000	
8.000	0.000	
8.250	0.000	
8.500	0.000	
8.750	0.000	
9.000	0.000	
9.250	0.000	
9.500	0.000	
9.750	0.000	
10.000	0.000	
10.250	0.000	
10.500	0.000	
10.750	0.000	
11.000	0.000	
11.250	0.000	
11.500	0.000	
11.750	0.000	
12.000	0.000	
12.250	0.000	
12.500	0.000	
12.750	0.000	
13.000	0.000	
13.250	0.000	
13.500	0.000	
13.750	0.000	
14.000	0.000	
14.250	0.000	
14.500	0.000	
14.750	0.000	
15.000	0.000	
15.250	0.000	
15.500	0.000	
15.750	0.000	
16.000	0.000	
16.250	0.000	
16.500	0.000	
16.750	0.000	
17.000	0.000	
17.250	0.000	
17.500	0.000	
17.750	0.000	
18.000	0.000	
18.250	0.000	
18.500	0.000	
18.750	0.000	
19.000	0.000	
19.250	0.000	
19.500	0.000	
19.750	0.000	
20.000	0.000	
20.250	0.000	
20.500	0.000	
20.750	0.000	

Highway 9  
Alternative 3B - Input Report

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21.000	0.000
21.250	0.000
21.500	0.000
21.750	0.000
22.000	0.000
22.250	0.000
22.500	0.000
22.750	0.000
23.000	0.000
23.250	0.000
23.500	0.000
23.750	0.000
24.000	0.000
24.250	0.000
24.500	0.020
24.750	0.110
25.000	0.310
25.250	0.550
25.500	0.780
25.750	1.050
26.000	1.410
26.250	1.840
26.500	2.330
26.750	3.040
27.000	3.900
27.250	4.860
27.500	6.150
27.750	8.030
28.000	10.790
28.250	14.330
28.500	18.150
28.750	21.550
29.000	24.330
29.250	27.230
29.500	31.530
29.750	38.480
30.000	47.640
30.250	57.530
30.500	65.420
30.750	70.580
31.000	72.790
31.250	72.570
31.500	70.810
31.750	68.330
32.000	65.310
32.250	62.260
32.500	59.370
32.750	56.420
33.000	53.080
33.250	49.690
33.500	46.280
33.750	42.890
34.000	39.580
34.250	36.430
34.500	33.560
34.750	31.050
35.000	28.880
35.250	27.020
35.500	25.430
35.750	24.090
36.000	22.950
36.250	21.950
36.500	21.080
36.750	20.320
37.000	19.650
37.250	19.060
37.500	18.560
37.750	18.140
38.000	17.720
38.250	17.440
38.500	17.850
38.750	19.450
39.000	21.890
39.250	25.360
39.500	32.220
39.750	44.730
40.000	59.770
40.250	78.740
40.500	102.200
40.750	124.090
41.000	137.560
41.250	148.710
41.500	159.430
41.750	209.080
42.000	251.120
42.250	263.620
42.500	243.520
42.750	227.910



Highway 9  
Alternative 3B - Input Report

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43.000	226.060
43.250	224.820
43.500	219.490
43.750	211.150
44.000	203.950
44.250	196.770
44.500	193.700
44.750	201.740
45.000	150.130
45.250	229.700
45.500	339.080
45.750	439.600
46.000	481.760
46.250	497.220
46.500	498.610
46.750	484.570
47.000	455.720
47.250	417.560
47.500	383.540
47.750	366.150
48.000	311.190
48.250	262.650
48.500	230.000
48.750	205.320
49.000	184.640
49.250	168.370
49.500	154.270
49.750	143.470
50.000	133.640
50.250	125.720
50.500	118.080
50.750	111.120
51.000	105.480
51.250	102.070
51.500	98.520
51.750	94.530
52.000	91.450
52.250	88.730
52.500	87.070
52.750	85.550
53.000	84.780
53.250	84.130
53.500	83.440
53.750	82.000
54.000	80.280
54.250	78.560
54.500	76.520
54.750	75.480
55.000	74.280
55.250	73.290
55.500	72.350
55.750	71.140
56.000	69.970
56.250	69.110
56.500	68.540
56.750	67.990
57.000	67.420
57.250	67.330
57.500	68.350
57.750	70.930
58.000	74.480
58.250	78.060
58.500	81.190
58.750	82.880
59.000	83.140
59.250	82.610
59.500	81.630
59.750	80.580
60.000	79.230
60.250	78.060
60.500	76.630
60.750	75.240
61.000	73.770
61.250	72.430
61.500	71.180
61.750	70.030
62.000	68.990
62.250	68.150
62.500	67.520
62.750	67.080
63.000	66.700
63.250	66.310
63.500	66.060
63.750	65.720
64.000	65.430
64.250	65.140
64.500	64.860
64.750	64.570

Highway 9  
Alternative 3B - Input Report

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65.000	64.340
65.250	64.030
65.500	63.750
65.750	63.470
66.000	63.220
66.250	63.040
66.500	63.290
66.750	64.360
67.000	65.890
67.250	67.440
67.500	68.320
67.750	68.440
68.000	67.730
68.250	66.790
68.500	65.760
68.750	64.800
69.000	63.920
69.250	63.060
69.500	62.330
69.750	61.510
70.000	60.700
70.250	59.840
70.500	58.950
70.750	58.000
71.000	57.100
71.250	56.090
71.500	55.110
71.750	54.010
72.000	52.890
72.250	51.660
72.500	50.220
72.750	48.310
73.000	45.990
73.250	43.680
73.500	41.570
73.750	39.700
74.000	38.070
74.250	36.670
74.500	35.430
74.750	34.440
75.000	33.550
75.250	33.000
75.500	33.700
75.750	36.620
76.000	41.250
76.250	46.510
76.500	52.110
76.750	55.860
77.000	57.960
77.250	58.910
77.500	59.370
77.750	59.220
78.000	58.850
78.250	58.330
78.500	57.620
78.750	56.640
79.000	55.440
79.250	54.040
79.500	52.710
79.750	51.460
80.000	50.510
80.250	49.550
80.500	48.610
80.750	47.390
81.000	46.120
81.250	44.860
81.500	43.920
81.750	43.460
82.000	43.420
82.250	43.750
82.500	44.730
82.750	46.380
83.000	48.790
83.250	52.190
83.500	57.340
83.750	64.670
84.000	74.730
84.250	87.260
84.500	95.570
84.750	103.710
85.000	108.130
85.250	111.530
85.500	116.970
85.750	129.240
86.000	196.090
86.250	266.470
86.500	99.430
86.750	316.370

Highway 9  
Alternative 3B - Input Report

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87.000	430.790
87.250	467.690
87.500	475.250
87.750	484.640
88.000	485.340
88.250	471.240
88.500	441.230
88.750	405.990
89.000	367.010
89.250	346.800
89.500	342.310
89.750	281.500
90.000	244.420
90.250	218.360
90.500	198.620
90.750	184.300
91.000	173.100
91.250	163.930
91.500	156.430
91.750	149.410
92.000	142.250
92.250	133.670
92.500	126.540
92.750	119.280
93.000	113.800
93.250	107.620
93.500	102.490
93.750	97.590
94.000	94.150
94.250	90.710
94.500	88.050
94.750	86.470
95.000	85.690
95.250	85.360
95.500	85.230
95.750	85.060
96.000	84.450
96.250	83.570
96.500	82.710
96.750	81.540
97.000	80.230
97.250	79.100
97.500	78.080
97.750	76.680
98.000	75.710
98.250	75.180
98.500	74.990
98.750	75.010
99.000	75.300
99.250	76.010
99.500	77.490
99.750	79.980
100.000	83.460
100.250	87.890
100.500	91.860
100.750	95.170
101.000	97.840
101.250	101.680
101.500	106.970
101.750	113.070
102.000	121.950
102.250	131.370
102.500	143.570
102.750	153.650
103.000	160.760
103.250	162.930
103.500	161.520
103.750	160.480
104.000	158.300
104.250	156.870
104.500	156.870
104.750	156.520
105.000	156.210
105.250	157.160
105.500	157.590
105.750	157.030
106.000	154.300
106.250	149.660
106.500	143.890
106.750	137.700
107.000	130.020
107.250	123.280
107.500	116.180
107.750	108.690
108.000	101.760
108.250	95.930
108.500	90.670
108.750	86.290

Highway 9  
Alternative 3B - Input Report

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109.000	82.390
109.250	79.130
109.500	76.210
109.750	73.870
110.000	72.300
110.250	71.160
110.500	70.120
110.750	69.270
111.000	68.520
111.250	67.910
111.500	67.490
111.750	67.480
112.000	67.770
112.250	68.000
112.500	68.230
112.750	68.350
113.000	68.500
113.250	68.490
113.500	68.340
113.750	68.090
114.000	67.740
114.250	67.210
114.500	66.840
114.750	66.340
115.000	66.010
115.250	65.570
115.500	65.280
115.750	65.040
116.000	64.920
116.250	64.810
116.500	64.600
116.750	64.330
117.000	63.910
117.250	63.470
117.500	63.010
117.750	62.560
118.000	62.130
118.250	61.690
118.500	61.250
118.750	60.790
119.000	60.370
119.250	59.870
119.500	59.260
119.750	58.630
120.000	57.940
120.250	57.140
120.500	56.350
120.750	55.460
121.000	54.610
121.250	53.600
121.500	52.610
121.750	51.440
122.000	50.030
122.250	48.290
122.500	45.970
122.750	43.710
123.000	41.550
123.250	39.760
123.500	38.160
123.750	36.730
124.000	35.630
124.250	34.570
124.500	33.790
124.750	32.990
125.000	32.410
125.250	31.850
125.500	31.270
125.750	30.870
126.000	30.440
126.250	29.970
126.500	29.640
126.750	29.280
127.000	28.920
127.250	28.580
127.500	28.170
127.750	27.900
128.000	27.580
128.250	27.270
128.500	26.890
128.750	26.650
129.000	26.360
129.250	26.070
129.500	25.730
129.750	25.520
130.000	25.260
130.250	24.940
130.500	24.750
130.750	24.450

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131.000	24.260
131.250	24.020
131.500	23.740
131.750	23.550
132.000	23.250
132.250	23.080
132.500	22.840
132.750	22.550
133.000	22.370
133.250	22.080
133.500	21.880
133.750	21.580
134.000	21.390
134.250	21.080
134.500	20.880
134.750	20.570
135.000	20.370
135.250	20.050
135.500	19.840
135.750	19.540
136.000	19.320
136.250	19.000
136.500	18.780
136.750	18.460
137.000	18.230
137.250	17.900
137.500	17.610
137.750	17.370
138.000	17.040
138.250	16.790
138.500	16.450
138.750	16.190
139.000	15.840
139.250	15.580
139.500	15.230
139.750	14.930
140.000	14.690
140.250	14.360
140.500	14.140
140.750	13.840
141.000	13.640
141.250	13.380
141.500	13.080
141.750	12.890
142.000	12.660
142.250	12.370
142.500	12.200
142.750	12.000
143.000	11.810
143.250	11.630
143.500	11.460
143.750	11.240
144.000	11.140

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 Name: 002-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.001
7.000	16.001

Highway 9  
Alternative 3B - Input Report

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7.250	16.001
7.500	16.002
7.750	16.002
8.000	16.003
8.250	16.005
8.500	16.006
8.750	16.009
9.000	16.012
9.250	16.018
9.500	16.028
9.750	16.048
10.000	16.070
10.250	16.093
10.500	16.118
10.750	16.148
11.000	16.183
11.250	16.227
11.500	16.282
11.750	16.357
12.000	16.354
12.250	16.521
12.500	16.906
12.750	17.363
13.000	17.820
13.250	18.291
13.500	18.687
13.750	18.950
14.000	19.094
14.250	19.108
14.500	19.105
14.750	19.067
15.000	18.979
15.250	18.877
15.500	18.774
15.750	18.675
16.000	18.575
16.250	18.473
16.500	18.372
16.750	18.277
17.000	18.189
17.250	18.109
17.500	18.037
17.750	17.972
18.000	17.920
18.250	17.881
18.500	17.843
18.750	17.807
19.000	17.774
19.250	17.745
19.500	17.719
19.750	17.693
20.000	17.669
20.250	17.646
20.500	17.624
20.750	17.603
21.000	17.582
21.250	17.562
21.500	17.543
21.750	17.524
22.000	17.505
22.250	17.486
22.500	17.466
22.750	17.448
23.000	17.436
23.250	17.427
23.500	17.415
23.750	17.401
24.000	17.386
24.250	17.368
24.500	17.346
24.750	17.322
25.000	17.296
25.250	17.268
25.500	17.245
25.750	17.225
26.000	17.219
26.250	17.224
26.500	17.228
26.750	17.218
27.000	17.194
27.250	17.171
27.500	17.150
27.750	17.136
28.000	17.107
28.250	17.075
28.500	17.044
28.750	17.015
29.000	16.988

Highway 9  
Alternative 3B - Input Report

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29.250	16.964
29.500	16.941
29.750	16.918
30.000	16.895
30.250	16.870
30.500	16.845
30.750	16.821
31.000	16.799
31.250	16.779
31.500	16.762
31.750	16.765
32.000	16.792
32.250	16.795
32.500	16.776
32.750	16.756
33.000	16.727
33.250	16.686
33.500	16.649
33.750	16.621
34.000	16.590
34.250	16.562
34.500	16.537
34.750	16.514
35.000	16.494
35.250	16.479
35.500	16.466
35.750	16.454
36.000	16.443
36.250	16.435
36.500	16.429
36.750	16.422
37.000	16.416
37.250	16.409
37.500	16.402
37.750	16.396
38.000	16.390
38.250	16.385
38.500	16.379
38.750	16.374
39.000	16.369
39.250	16.364
39.500	16.360
39.750	16.355
40.000	16.351
40.250	16.348
40.500	16.347
40.750	16.347
41.000	16.345
41.250	16.342
41.500	16.339
41.750	16.335
42.000	16.331
42.250	16.326
42.500	16.322
42.750	16.319
43.000	16.315
43.250	16.311
43.500	16.309
43.750	16.307
44.000	16.307
44.250	16.306
44.500	16.305
44.750	16.303
45.000	16.299
45.250	16.294
45.500	16.290
45.750	16.285
46.000	16.282
46.250	16.278
46.500	16.275
46.750	16.272
47.000	16.270
47.250	16.268
47.500	16.265
47.750	16.260
48.000	16.256
48.250	16.254
48.500	16.251
48.750	16.247
49.000	16.244
49.250	16.241
49.500	16.240
49.750	16.260
50.000	16.257
50.250	16.268
50.500	16.341
50.750	16.293
51.000	16.260

Highway 9  
Alternative 3B - Input Report

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51.250	16.238
51.500	16.221
51.750	16.208
52.000	16.198
52.250	16.190
52.500	16.183
52.750	16.178
53.000	16.174
53.250	16.170
53.500	16.166
53.750	16.164
54.000	16.161
54.250	16.158
54.500	16.156
54.750	16.154
55.000	16.152
55.250	16.150
55.500	16.148
55.750	16.146
56.000	16.145
56.250	16.143
56.500	16.141
56.750	16.140
57.000	16.138
57.250	16.137
57.500	16.136
57.750	16.134
58.000	16.133
58.250	16.131
58.500	16.130
58.750	16.129
59.000	16.128
59.250	16.126
59.500	16.125
59.750	16.124
60.000	16.123
60.250	16.122
60.500	16.121
60.750	16.120
61.000	16.119
61.250	16.118
61.500	16.117
61.750	16.115
62.000	16.115
62.250	16.114
62.500	16.113
62.750	16.112
63.000	16.111
63.250	16.110
63.500	16.109
63.750	16.108
64.000	16.107
64.250	16.107
64.500	16.106
64.750	16.105
65.000	16.104
65.250	16.103
65.500	16.103
65.750	16.102
66.000	16.101
66.250	16.100
66.500	16.100
66.750	16.099
67.000	16.098
67.250	16.097
67.500	16.097
67.750	16.096
68.000	16.095
68.250	16.095
68.500	16.094
68.750	16.093
69.000	16.093
69.250	16.092
69.500	16.092
69.750	16.091
70.000	16.090
70.250	16.090
70.500	16.089
70.750	16.089
71.000	16.088
71.250	16.087
71.500	16.087
71.750	16.086
72.000	16.086

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Name: 010-year

Node: BNDRY

Type: Stage



Highway 9  
Alternative 3B - Input Report

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Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.001
5.500	16.001
5.750	16.002
6.000	16.002
6.250	16.003
6.500	16.005
6.750	16.006
7.000	16.008
7.250	16.011
7.500	16.015
7.750	16.021
8.000	16.035
8.250	16.054
8.500	16.075
8.750	16.099
9.000	16.127
9.250	16.158
9.500	16.193
9.750	16.232
10.000	16.275
10.250	16.325
10.500	16.384
10.750	16.317
11.000	16.334
11.250	16.402
11.500	16.522
11.750	16.706
12.000	16.929
12.250	17.377
12.500	18.137
12.750	19.108
13.000	19.308
13.250	19.469
13.500	19.553
13.750	19.569
14.000	19.557
14.250	19.529
14.500	19.496
14.750	19.463
15.000	19.431
15.250	19.402
15.500	19.378
15.750	19.357
16.000	19.339
16.250	19.323
16.500	19.310
16.750	19.298
17.000	19.287
17.250	19.277
17.500	19.266
17.750	19.257
18.000	19.248
18.250	19.241
18.500	19.233
18.750	19.226
19.000	19.218
19.250	19.212
19.500	19.205
19.750	19.199
20.000	19.193
20.250	19.186
20.500	19.179
20.750	19.171
21.000	19.163
21.250	19.155

Highway 9  
Alternative 3B - Input Report

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21.500	19.148
21.750	19.143
22.000	19.138
22.250	19.132
22.500	19.123
22.750	19.110
23.000	19.077
23.250	19.006
23.500	18.930
23.750	18.851
24.000	18.774
24.250	18.694
24.500	18.604
24.750	18.509
25.000	18.420
25.250	18.341
25.500	18.266
25.750	18.184
26.000	18.093
26.250	18.000
26.500	17.911
26.750	17.830
27.000	17.760
27.250	17.695
27.500	17.628
27.750	17.567
28.000	17.511
28.250	17.458
28.500	17.411
28.750	17.373
29.000	17.338
29.250	17.305
29.500	17.277
29.750	17.249
30.000	17.224
30.250	17.206
30.500	17.193
30.750	17.195
31.000	17.205
31.250	17.210
31.500	17.202
31.750	17.182
32.000	17.159
32.250	17.140
32.500	17.135
32.750	17.119
33.000	17.099
33.250	17.077
33.500	17.053
33.750	17.027
34.000	16.999
34.250	16.972
34.500	16.946
34.750	16.920
35.000	16.895
35.250	16.871
35.500	16.849
35.750	16.827
36.000	16.807
36.250	16.790
36.500	16.774
36.750	16.762
37.000	16.756
37.250	16.762
37.500	16.789
37.750	16.788
38.000	16.769
38.250	16.753
38.500	16.722
38.750	16.685
39.000	16.651
39.250	16.621
39.500	16.602
39.750	16.580
40.000	16.561
40.250	16.545
40.500	16.532
40.750	16.521
41.000	16.515
41.250	16.509
41.500	16.504
41.750	16.498
42.000	16.492
42.250	16.485
42.500	16.480
42.750	16.474
43.000	16.468
43.250	16.463

Highway 9  
Alternative 3B - Input Report

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43.500	16.458
43.750	16.453
44.000	16.448
44.250	16.444
44.500	16.440
44.750	16.437
45.000	16.434
45.250	16.431
45.500	16.428
45.750	16.424
46.000	16.421
46.250	16.418
46.500	16.414
46.750	16.410
47.000	16.406
47.250	16.403
47.500	16.400
47.750	16.396
48.000	16.393
48.250	16.390
48.500	16.387
48.750	16.383
49.000	16.380
49.250	16.377
49.500	16.374
49.750	16.371
50.000	16.368
50.250	16.365
50.500	16.362
50.750	16.360
51.000	16.357
51.250	16.354
51.500	16.351
51.750	16.349
52.000	16.348
52.250	16.347
52.500	16.346
52.750	16.346
53.000	16.343
53.250	16.340
53.500	16.337
53.750	16.334
54.000	16.331
54.250	16.327
54.500	16.324
54.750	16.321
55.000	16.318
55.250	16.315
55.500	16.312
55.750	16.309
56.000	16.308
56.250	16.307
56.500	16.306
56.750	16.305
57.000	16.305
57.250	16.302
57.500	16.297
57.750	16.293
58.000	16.288
58.250	16.284
58.500	16.281
58.750	16.277
59.000	16.274
59.250	16.271
59.500	16.270
59.750	16.268
60.000	16.265
60.250	16.260
60.500	16.256
60.750	16.254
61.000	16.252
61.250	16.248
61.500	16.245
61.750	16.243
62.000	16.241
62.250	16.239
62.500	16.260
62.750	16.256
63.000	16.264
63.250	16.292
63.500	16.316
63.750	16.280
64.000	16.256
64.250	16.238
64.500	16.225
64.750	16.215
65.000	16.208
65.250	16.202

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65.500	16.197
65.750	16.194
66.000	16.191
66.250	16.188
66.500	16.186
66.750	16.184
67.000	16.182
67.250	16.180
67.500	16.179
67.750	16.177
68.000	16.176
68.250	16.175
68.500	16.173
68.750	16.172
69.000	16.171
69.250	16.170
69.500	16.168
69.750	16.167
70.000	16.166
70.250	16.165
70.500	16.164
70.750	16.163
71.000	16.162
71.250	16.161
71.500	16.160
71.750	16.159
72.000	16.158

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 Name: 025-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.001
5.000	16.001
5.250	16.001
5.500	16.002
5.750	16.003
6.000	16.005
6.250	16.006
6.500	16.009
6.750	16.012
7.000	16.017
7.250	16.024
7.500	16.039
7.750	16.056
8.000	16.075
8.250	16.098
8.500	16.125
8.750	16.156
9.000	16.191
9.250	16.231
9.500	16.276
9.750	16.327
10.000	16.385
10.250	16.315
10.500	16.329
10.750	16.389
11.000	16.490
11.250	16.639
11.500	16.810
11.750	16.941
12.000	17.220
12.250	17.745
12.500	18.732
12.750	19.282
13.000	19.533
13.250	19.675
13.500	19.726

13.750	19.722
14.000	19.693
14.250	19.658
14.500	19.622
14.750	19.592
15.000	19.566
15.250	19.541
15.500	19.519
15.750	19.503
16.000	19.491
16.250	19.485
16.500	19.482
16.750	19.482
17.000	19.483
17.250	19.482
17.500	19.480
17.750	19.475
18.000	19.468
18.250	19.459
18.500	19.447
18.750	19.432
19.000	19.415
19.250	19.399
19.500	19.382
19.750	19.365
20.000	19.349
20.250	19.334
20.500	19.319
20.750	19.306
21.000	19.295
21.250	19.284
21.500	19.275
21.750	19.266
22.000	19.257
22.250	19.247
22.500	19.237
22.750	19.225
23.000	19.213
23.250	19.201
23.500	19.189
23.750	19.177
24.000	19.164
24.250	19.152
24.500	19.141
24.750	19.128
25.000	19.109
25.250	19.038
25.500	18.925
25.750	18.810
26.000	18.701
26.250	18.589
26.500	18.479
26.750	18.373
27.000	18.270
27.250	18.161
27.500	18.047
27.750	17.939
28.000	17.841
28.250	17.761
28.500	17.683
28.750	17.608
29.000	17.542
29.250	17.480
29.500	17.428
29.750	17.385
30.000	17.346
30.250	17.310
30.500	17.278
30.750	17.248
31.000	17.225
31.250	17.206
31.500	17.197
31.750	17.202
32.000	17.212
32.250	17.214
32.500	17.201
32.750	17.180
33.000	17.156
33.250	17.139
33.500	17.135
33.750	17.117
34.000	17.095
34.250	17.070
34.500	17.042
34.750	17.013
35.000	16.983
35.250	16.955
35.500	16.928

35.750	16.902
36.000	16.877
36.250	16.854
36.500	16.833
36.750	16.812
37.000	16.794
37.250	16.778
37.500	16.764
37.750	16.757
38.000	16.762
38.250	16.790
38.500	16.791
38.750	16.772
39.000	16.755
39.250	16.726
39.500	16.689
39.750	16.655
40.000	16.626
40.250	16.606
40.500	16.585
40.750	16.567
41.000	16.552
41.250	16.539
41.500	16.528
41.750	16.520
42.000	16.516
42.250	16.511
42.500	16.506
42.750	16.500
43.000	16.494
43.250	16.488
43.500	16.482
43.750	16.477
44.000	16.472
44.250	16.467
44.500	16.462
44.750	16.457
45.000	16.453
45.250	16.449
45.500	16.445
45.750	16.441
46.000	16.438
46.250	16.435
46.500	16.433
46.750	16.430
47.000	16.427
47.250	16.424
47.500	16.421
47.750	16.418
48.000	16.415
48.250	16.411
48.500	16.408
48.750	16.405
49.000	16.402
49.250	16.398
49.500	16.395
49.750	16.392
50.000	16.390
50.250	16.387
50.500	16.384
50.750	16.381
51.000	16.378
51.250	16.375
51.500	16.372
51.750	16.370
52.000	16.367
52.250	16.364
52.500	16.362
52.750	16.359
53.000	16.357
53.250	16.354
53.500	16.352
53.750	16.349
54.000	16.348
54.250	16.347
54.500	16.347
54.750	16.346
55.000	16.345
55.250	16.342
55.500	16.339
55.750	16.336
56.000	16.333
56.250	16.329
56.500	16.326
56.750	16.323
57.000	16.320
57.250	16.316
57.500	16.313

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57.750	16.310
58.000	16.308
58.250	16.307
58.500	16.306
58.750	16.306
59.000	16.305
59.250	16.303
59.500	16.298
59.750	16.293
60.000	16.289
60.250	16.285
60.500	16.281
60.750	16.278
61.000	16.275
61.250	16.272
61.500	16.270
61.750	16.268
62.000	16.267
62.250	16.262
62.500	16.258
62.750	16.255
63.000	16.254
63.250	16.252
63.500	16.248
63.750	16.245
64.000	16.244
64.250	16.242
64.500	16.241
64.750	16.240
65.000	16.262
65.250	16.255
65.500	16.259
65.750	16.269
66.000	16.344
66.250	16.302
66.500	16.273
66.750	16.254
67.000	16.239
67.250	16.229
67.500	16.221
67.750	16.215
68.000	16.211
68.250	16.207
68.500	16.204
68.750	16.202
69.000	16.200
69.250	16.199
69.500	16.197
69.750	16.196
70.000	16.195
70.250	16.194
70.500	16.192
70.750	16.192
71.000	16.191
71.250	16.190
71.500	16.189
71.750	16.188
72.000	16.187

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 Name: 050-year                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.001
4.750	16.001
5.000	16.002
5.250	16.003
5.500	16.005
5.750	16.006

Highway 9  
Alternative 3B - Input Report

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6.000	16.009
6.250	16.012
6.500	16.017
6.750	16.026
7.000	16.043
7.250	16.061
7.500	16.079
7.750	16.099
8.000	16.122
8.250	16.151
8.500	16.186
8.750	16.226
9.000	16.271
9.250	16.323
9.500	16.384
9.750	16.316
10.000	16.327
10.250	16.386
10.500	16.479
10.750	16.613
11.000	16.768
11.250	16.904
11.500	17.024
11.750	17.231
12.000	17.526
12.250	18.191
12.500	19.169
12.750	19.496
13.000	19.745
13.250	19.864
13.500	19.890
13.750	19.863
14.000	19.822
14.250	19.784
14.500	19.763
14.750	19.768
15.000	19.776
15.250	19.775
15.500	19.785
15.750	19.795
16.000	19.800
16.250	19.797
16.500	19.789
16.750	19.779
17.000	19.766
17.250	19.752
17.500	19.737
17.750	19.721
18.000	19.700
18.250	19.678
18.500	19.655
18.750	19.628
19.000	19.600
19.250	19.573
19.500	19.543
19.750	19.512
20.000	19.487
20.250	19.463
20.500	19.437
20.750	19.408
21.000	19.382
21.250	19.362
21.500	19.367
21.750	19.365
22.000	19.354
22.250	19.338
22.500	19.320
22.750	19.304
23.000	19.289
23.250	19.277
23.500	19.265
23.750	19.254
24.000	19.242
24.250	19.229
24.500	19.214
24.750	19.197
25.000	19.179
25.250	19.160
25.500	19.143
25.750	19.128
26.000	19.113
26.250	19.074
26.500	18.968
26.750	18.857
27.000	18.749
27.250	18.644
27.500	18.533
27.750	18.416



Highway 9  
Alternative 3B - Input Report

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28.000	18.303
28.250	18.183
28.500	18.059
28.750	17.942
29.000	17.837
29.250	17.752
29.500	17.668
29.750	17.588
30.000	17.519
30.250	17.459
30.500	17.409
30.750	17.366
31.000	17.326
31.250	17.292
31.500	17.260
31.750	17.234
32.000	17.214
32.250	17.200
32.500	17.201
32.750	17.209
33.000	17.216
33.250	17.209
33.500	17.190
33.750	17.166
34.000	17.145
34.250	17.137
34.500	17.125
34.750	17.102
35.000	17.075
35.250	17.044
35.500	17.013
35.750	16.981
36.000	16.952
36.250	16.924
36.500	16.898
36.750	16.873
37.000	16.850
37.250	16.828
37.500	16.808
37.750	16.790
38.000	16.774
38.250	16.761
38.500	16.759
38.750	16.779
39.000	16.795
39.250	16.785
39.500	16.763
39.750	16.748
40.000	16.710
40.250	16.674
40.500	16.643
40.750	16.623
41.000	16.599
41.250	16.579
41.500	16.563
41.750	16.550
42.000	16.538
42.250	16.529
42.500	16.521
42.750	16.517
43.000	16.513
43.250	16.508
43.500	16.502
43.750	16.496
44.000	16.490
44.250	16.485
44.500	16.480
44.750	16.475
45.000	16.470
45.250	16.465
45.500	16.461
45.750	16.456
46.000	16.452
46.250	16.449
46.500	16.445
46.750	16.441
47.000	16.438
47.250	16.436
47.500	16.433
47.750	16.431
48.000	16.428
48.250	16.425
48.500	16.422
48.750	16.420
49.000	16.416
49.250	16.413
49.500	16.410
49.750	16.407

50.000	16.404
50.250	16.401
50.500	16.398
50.750	16.395
51.000	16.392
51.250	16.389
51.500	16.387
51.750	16.384
52.000	16.381
52.250	16.378
52.500	16.376
52.750	16.373
53.000	16.371
53.250	16.368
53.500	16.366
53.750	16.363
54.000	16.361
54.250	16.358
54.500	16.356
54.750	16.353
55.000	16.351
55.250	16.349
55.500	16.348
55.750	16.347
56.000	16.347
56.250	16.346
56.500	16.345
56.750	16.342
57.000	16.339
57.250	16.336
57.500	16.332
57.750	16.329
58.000	16.325
58.250	16.322
58.500	16.319
58.750	16.315
59.000	16.312
59.250	16.309
59.500	16.308
59.750	16.307
60.000	16.306
60.250	16.305
60.500	16.304
60.750	16.300
61.000	16.296
61.250	16.291
61.500	16.287
61.750	16.283
62.000	16.280
62.250	16.277
62.500	16.274
62.750	16.272
63.000	16.270
63.250	16.268
63.500	16.267
63.750	16.263
64.000	16.260
64.250	16.256
64.500	16.255
64.750	16.253
65.000	16.252
65.250	16.249
65.500	16.246
65.750	16.244
66.000	16.243
66.250	16.242
66.500	16.241
66.750	16.240
67.000	16.261
67.250	16.258
67.500	16.256
67.750	16.260
68.000	16.269
68.250	16.343
68.500	16.304
68.750	16.277
69.000	16.258
69.250	16.245
69.500	16.235
69.750	16.228
70.000	16.223
70.250	16.219
70.500	16.216
70.750	16.213
71.000	16.211
71.250	16.210
71.500	16.208
71.750	16.207

72.000            16.206

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Name: 100-year	Node: BNDRY	Type: Stage
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Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.001
4.250	16.001
4.500	16.002
4.750	16.003
5.000	16.004
5.250	16.006
5.500	16.008
5.750	16.012
6.000	16.017
6.250	16.027
6.500	16.045
6.750	16.064
7.000	16.084
7.250	16.104
7.500	16.125
7.750	16.150
8.000	16.180
8.250	16.217
8.500	16.262
8.750	16.314
9.000	16.374
9.250	16.322
9.500	16.323
9.750	16.384
10.000	16.468
10.250	16.596
10.500	16.741
10.750	16.889
11.000	16.976
11.250	17.127
11.500	17.330
11.750	17.517
12.000	17.863
12.250	18.733
12.500	19.339
12.750	19.715
13.000	19.950
13.250	20.049
13.500	20.047
13.750	20.011
14.000	19.996
14.250	20.000
14.500	20.046
14.750	20.094
15.000	20.122
15.250	20.130
15.500	20.126
15.750	20.115
16.000	20.102
16.250	20.088
16.500	20.073
16.750	20.054
17.000	20.032
17.250	20.008
17.500	19.979
17.750	19.949
18.000	19.918
18.250	19.886
18.500	19.851
18.750	19.815
19.000	19.779
19.250	19.743
19.500	19.707
19.750	19.671
20.000	19.637

20.250	19.603
20.500	19.570
20.750	19.535
21.000	19.504
21.250	19.477
21.500	19.451
21.750	19.423
22.000	19.396
22.250	19.374
22.500	19.368
22.750	19.370
23.000	19.363
23.250	19.348
23.500	19.331
23.750	19.314
24.000	19.299
24.250	19.285
24.500	19.270
24.750	19.254
25.000	19.236
25.250	19.218
25.500	19.200
25.750	19.183
26.000	19.166
26.250	19.149
26.500	19.133
26.750	19.119
27.000	19.105
27.250	19.027
27.500	18.922
27.750	18.813
28.000	18.710
28.250	18.607
28.500	18.488
28.750	18.366
29.000	18.243
29.250	18.114
29.500	17.989
29.750	17.876
30.000	17.782
30.250	17.693
30.500	17.608
30.750	17.534
31.000	17.470
31.250	17.418
31.500	17.374
31.750	17.333
32.000	17.298
32.250	17.265
32.500	17.237
32.750	17.218
33.000	17.201
33.250	17.199
33.500	17.206
33.750	17.215
34.000	17.213
34.250	17.197
34.500	17.173
34.750	17.151
35.000	17.139
35.250	17.130
35.500	17.104
35.750	17.073
36.000	17.040
36.250	17.006
36.500	16.973
36.750	16.943
37.000	16.915
37.250	16.888
37.500	16.864
37.750	16.841
38.000	16.819
38.250	16.800
38.500	16.782
38.750	16.767
39.000	16.759
39.250	16.768
39.500	16.795
39.750	16.792
40.000	16.771
40.250	16.753
40.500	16.723
40.750	16.686
41.000	16.653
41.250	16.625
41.500	16.607
41.750	16.587
42.000	16.570

42.250	16.556
42.500	16.544
42.750	16.534
43.000	16.525
43.250	16.520
43.500	16.516
43.750	16.511
44.000	16.506
44.250	16.500
44.500	16.494
44.750	16.489
45.000	16.483
45.250	16.478
45.500	16.473
45.750	16.468
46.000	16.464
46.250	16.459
46.500	16.455
46.750	16.451
47.000	16.447
47.250	16.444
47.500	16.440
47.750	16.437
48.000	16.435
48.250	16.433
48.500	16.430
48.750	16.427
49.000	16.424
49.250	16.422
49.500	16.419
49.750	16.415
50.000	16.412
50.250	16.409
50.500	16.406
50.750	16.403
51.000	16.400
51.250	16.397
51.500	16.395
51.750	16.392
52.000	16.389
52.250	16.386
52.500	16.384
52.750	16.381
53.000	16.378
53.250	16.376
53.500	16.373
53.750	16.371
54.000	16.368
54.250	16.366
54.500	16.363
54.750	16.361
55.000	16.359
55.250	16.356
55.500	16.354
55.750	16.352
56.000	16.350
56.250	16.348
56.500	16.348
56.750	16.347
57.000	16.346
57.250	16.345
57.500	16.342
57.750	16.340
58.000	16.336
58.250	16.333
58.500	16.329
58.750	16.326
59.000	16.322
59.250	16.319
59.500	16.316
59.750	16.312
60.000	16.309
60.250	16.308
60.500	16.307
60.750	16.306
61.000	16.305
61.250	16.304
61.500	16.301
61.750	16.296
62.000	16.292
62.250	16.288
62.500	16.284
62.750	16.281
63.000	16.277
63.250	16.275
63.500	16.272
63.750	16.270
64.000	16.269

Highway 9  
 Alternative 3B - Input Report

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64.250	16.268
64.500	16.265
64.750	16.262
65.000	16.258
65.250	16.256
65.500	16.254
65.750	16.253
66.000	16.251
66.250	16.249
66.500	16.247
66.750	16.245
67.000	16.244
67.250	16.242
67.500	16.241
67.750	16.241
68.000	16.240
68.250	16.263
68.500	16.258
68.750	16.256
69.000	16.260
69.250	16.269
69.500	16.346
69.750	16.308
70.000	16.281
70.250	16.262
70.500	16.248
70.750	16.239
71.000	16.231
71.250	16.226
71.500	16.222
71.750	16.219
72.000	16.217

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 Name: OCT-2015                      Node: BNDRY                      Type: Stage

Time(hrs)	Stage(ft)
0.000	16.000
0.250	16.000
0.500	16.000
0.750	16.000
1.000	16.000
1.250	16.000
1.500	16.000
1.750	16.000
2.000	16.000
2.250	16.000
2.500	16.000
2.750	16.000
3.000	16.000
3.250	16.000
3.500	16.000
3.750	16.000
4.000	16.000
4.250	16.000
4.500	16.000
4.750	16.000
5.000	16.000
5.250	16.000
5.500	16.000
5.750	16.000
6.000	16.000
6.250	16.000
6.500	16.000
6.750	16.000
7.000	16.000
7.250	16.000
7.500	16.000
7.750	16.000
8.000	16.000
8.250	16.000
8.500	16.000
8.750	16.000
9.000	16.000
9.250	16.000
9.500	16.000
9.750	16.000
10.000	16.000
10.250	16.000
10.500	16.000
10.750	16.000
11.000	16.000
11.250	16.000
11.500	16.000
11.750	16.000
12.000	16.000
12.250	16.000

Highway 9  
Alternative 3B - Input Report

---

12.500	16.000
12.750	16.000
13.000	16.000
13.250	16.000
13.500	16.000
13.750	16.000
14.000	16.000
14.250	16.000
14.500	16.000
14.750	16.000
15.000	16.000
15.250	16.000
15.500	16.000
15.750	16.000
16.000	16.000
16.250	16.000
16.500	16.000
16.750	16.000
17.000	16.000
17.250	16.000
17.500	16.000
17.750	16.000
18.000	16.000
18.250	16.000
18.500	16.000
18.750	16.000
19.000	16.000
19.250	16.000
19.500	16.000
19.750	16.000
20.000	16.000
20.250	16.000
20.500	16.000
20.750	16.000
21.000	16.000
21.250	16.000
21.500	16.000
21.750	16.000
22.000	16.000
22.250	16.000
22.500	16.000
22.750	16.000
23.000	16.000
23.250	16.000
23.500	16.000
23.750	16.000
24.000	16.000
24.250	16.000
24.500	16.000
24.750	16.001
25.000	16.002
25.250	16.003
25.500	16.006
25.750	16.012
26.000	16.022
26.250	16.049
26.500	16.085
26.750	16.125
27.000	16.166
27.250	16.209
27.500	16.259
27.750	16.324
28.000	16.402
28.250	16.310
28.500	16.358
28.750	16.418
29.000	16.495
29.250	16.593
29.500	16.721
29.750	16.902
30.000	17.060
30.250	17.304
30.500	17.465
30.750	17.571
31.000	17.646
31.250	17.685
31.500	17.687
31.750	17.658
32.000	17.608
32.250	17.545
32.500	17.478
32.750	17.423
33.000	17.390
33.250	17.375
33.500	17.324
33.750	17.244
34.000	17.159
34.250	17.088

Highway 9  
Alternative 3B - Input Report

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34.500	17.011
34.750	16.947
35.000	16.894
35.250	16.852
35.500	16.853
35.750	16.860
36.000	16.838
36.250	16.801
36.500	16.762
36.750	16.735
37.000	16.691
37.250	16.653
37.500	16.620
37.750	16.598
38.000	16.573
38.250	16.555
38.500	16.557
38.750	16.589
39.000	16.651
39.250	16.753
39.500	16.940
39.750	17.237
40.000	17.607
40.250	18.104
40.500	18.739
40.750	19.162
41.000	19.298
41.250	19.419
41.500	19.507
41.750	19.553
42.000	19.567
42.250	19.568
42.500	19.556
42.750	19.529
43.000	19.496
43.250	19.464
43.500	19.441
43.750	19.430
44.000	19.427
44.250	19.439
44.500	19.507
44.750	19.638
45.000	19.818
45.250	20.010
45.500	20.194
45.750	20.321
46.000	20.378
46.250	20.390
46.500	20.367
46.750	20.323
47.000	20.266
47.250	20.206
47.500	20.142
47.750	20.074
48.000	20.004
48.250	19.938
48.500	19.877
48.750	19.820
49.000	19.764
49.250	19.709
49.500	19.653
49.750	19.600
50.000	19.547
50.250	19.493
50.500	19.448
50.750	19.405
51.000	19.362
51.250	19.326
51.500	19.316
51.750	19.310
52.000	19.298
52.250	19.282
52.500	19.267
52.750	19.255
53.000	19.245
53.250	19.235
53.500	19.224
53.750	19.209
54.000	19.192
54.250	19.175
54.500	19.158
54.750	19.140
55.000	19.126
55.250	19.112
55.500	19.070
55.750	18.965
56.000	18.856
56.250	18.750



56.500	18.646
56.750	18.528
57.000	18.403
57.250	18.287
57.500	18.200
57.750	18.166
58.000	18.176
58.250	18.208
58.500	18.229
58.750	18.216
59.000	18.178
59.250	18.127
59.500	18.067
59.750	18.004
60.000	17.938
60.250	17.873
60.500	17.809
60.750	17.752
61.000	17.687
61.250	17.621
61.500	17.560
61.750	17.502
62.000	17.449
62.250	17.405
62.500	17.368
62.750	17.333
63.000	17.301
63.250	17.271
63.500	17.244
63.750	17.223
64.000	17.205
64.250	17.193
64.500	17.196
64.750	17.205
65.000	17.211
65.250	17.203
65.500	17.184
65.750	17.160
66.000	17.141
66.250	17.139
66.500	17.139
66.750	17.151
67.000	17.176
67.250	17.199
67.500	17.220
67.750	17.228
68.000	17.224
68.250	17.209
68.500	17.187
68.750	17.160
69.000	17.140
69.250	17.104
69.500	17.069
69.750	17.035
70.000	17.004
70.250	16.974
70.500	16.947
70.750	16.921
71.000	16.896
71.250	16.872
71.500	16.850
71.750	16.829
72.000	16.809
72.250	16.792
72.500	16.776
72.750	16.762
73.000	16.759
73.250	16.779
73.500	16.796
73.750	16.787
74.000	16.764
74.250	16.749
74.500	16.713
74.750	16.678
75.000	16.647
75.250	16.629
75.500	16.653
75.750	16.720
76.000	16.844
76.250	16.940
76.500	17.024
76.750	17.113
77.000	17.194
77.250	17.243
77.500	17.288
77.750	17.314
78.000	17.326
78.250	17.329

78.500	17.322
78.750	17.307
79.000	17.284
79.250	17.257
79.500	17.231
79.750	17.209
80.000	17.191
80.250	17.174
80.500	17.164
80.750	17.141
81.000	17.112
81.250	17.085
81.500	17.066
81.750	17.059
82.000	17.062
82.250	17.075
82.500	17.105
82.750	17.159
83.000	17.229
83.250	17.312
83.500	17.440
83.750	17.579
84.000	17.786
84.250	18.073
84.500	18.396
84.750	18.680
85.000	18.929
85.250	19.118
85.500	19.214
85.750	19.382
86.000	19.605
86.250	19.797
86.500	19.921
86.750	19.948
87.000	19.937
87.250	19.936
87.500	19.980
87.750	20.038
88.000	20.073
88.250	20.081
88.500	20.067
88.750	20.040
89.000	20.004
89.250	19.959
89.500	19.911
89.750	19.862
90.000	19.813
90.250	19.764
90.500	19.717
90.750	19.671
91.000	19.631
91.250	19.593
91.500	19.556
91.750	19.511
92.000	19.470
92.250	19.433
92.500	19.392
92.750	19.353
93.000	19.326
93.250	19.320
93.500	19.309
93.750	19.291
94.000	19.273
94.250	19.256
94.500	19.244
94.750	19.235
95.000	19.227
95.250	19.220
95.500	19.211
95.750	19.198
96.000	19.183
96.250	19.168
96.500	19.151
96.750	19.136
97.000	19.122
97.250	19.106
97.500	19.028
97.750	18.931
98.000	18.834
98.250	18.748
98.500	18.669
98.750	18.587
99.000	18.500
99.250	18.425
99.500	18.378
99.750	18.368
100.000	18.385
100.250	18.417

100.500	18.448
100.750	18.467
101.000	18.478
101.250	18.493
101.500	18.534
101.750	18.623
102.000	18.746
102.250	18.878
102.500	18.994
102.750	19.081
103.000	19.110
103.250	19.120
103.500	19.127
103.750	19.131
104.000	19.133
104.250	19.134
104.500	19.137
104.750	19.142
105.000	19.149
105.250	19.154
105.500	19.155
105.750	19.151
106.000	19.144
106.250	19.134
106.500	19.123
106.750	19.110
107.000	19.080
107.250	19.002
107.500	18.930
107.750	18.860
108.000	18.786
108.250	18.707
108.500	18.619
108.750	18.517
109.000	18.410
109.250	18.309
109.500	18.212
109.750	18.113
110.000	18.016
110.250	17.926
110.500	17.846
110.750	17.777
111.000	17.719
111.250	17.665
111.500	17.614
111.750	17.573
112.000	17.540
112.250	17.510
112.500	17.484
112.750	17.460
113.000	17.439
113.250	17.419
113.500	17.399
113.750	17.377
114.000	17.356
114.250	17.340
114.500	17.324
114.750	17.307
115.000	17.288
115.250	17.269
115.500	17.252
115.750	17.237
116.000	17.224
116.250	17.213
116.500	17.203
116.750	17.196
117.000	17.188
117.250	17.180
117.500	17.182
117.750	17.191
118.000	17.203
118.250	17.206
118.500	17.193
118.750	17.171
119.000	17.152
119.250	17.138
119.500	17.117
119.750	17.084
120.000	17.049
120.250	17.015
120.500	16.983
120.750	16.954
121.000	16.928
121.250	16.904
121.500	16.881
121.750	16.859
122.000	16.839
122.250	16.820

122.500	16.801
122.750	16.785
123.000	16.769
123.250	16.759
123.500	16.755
123.750	16.764
124.000	16.789
124.250	16.786
124.500	16.768
124.750	16.754
125.000	16.728
125.250	16.696
125.500	16.669
125.750	16.645
126.000	16.626
126.250	16.615
126.500	16.601
126.750	16.589
127.000	16.579
127.250	16.570
127.500	16.562
127.750	16.556
128.000	16.550
128.250	16.544
128.500	16.539
128.750	16.535
129.000	16.532
129.250	16.528
129.500	16.525
129.750	16.522
130.000	16.518
130.250	16.513
130.500	16.509
130.750	16.504
131.000	16.500
131.250	16.496
131.500	16.492
131.750	16.488
132.000	16.484
132.250	16.481
132.500	16.477
132.750	16.474
133.000	16.471
133.250	16.468
133.500	16.465
133.750	16.462
134.000	16.459
134.250	16.456
134.500	16.453
134.750	16.450
135.000	16.448
135.250	16.445
135.500	16.442
135.750	16.440
136.000	16.437
136.250	16.435
136.500	16.433
136.750	16.431
137.000	16.429
137.250	16.427
137.500	16.425
137.750	16.422
138.000	16.420
138.250	16.417
138.500	16.414
138.750	16.412
139.000	16.409
139.250	16.406
139.500	16.404
139.750	16.401
140.000	16.399
140.250	16.397
140.500	16.394
140.750	16.392
141.000	16.390
141.250	16.387
141.500	16.385
141.750	16.382
142.000	16.380
142.250	16.378
142.500	16.375
142.750	16.373
143.000	16.370
143.250	16.367
143.500	16.365
143.750	16.362
144.000	16.359

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Name: OCT-2016		Node: BNDRY	Type: Stage
Time(hrs)	Stage(ft)		
0.000	16.000		
0.250	16.000		
0.500	16.000		
0.750	16.000		
1.000	16.000		
1.250	16.000		
1.500	16.000		
1.750	16.000		
2.000	16.000		
2.250	16.000		
2.500	16.000		
2.750	16.000		
3.000	16.000		
3.250	16.000		
3.500	16.000		
3.750	16.000		
4.000	16.000		
4.250	16.001		
4.500	16.003		
4.750	16.013		
5.000	16.047		
5.250	16.160		
5.500	16.375		
5.750	16.431		
6.000	16.616		
6.250	16.923		
6.500	17.180		
6.750	17.396		
7.000	17.556		
7.250	17.639		
7.500	17.653		
7.750	17.622		
8.000	17.565		
8.250	17.499		
8.500	17.438		
8.750	17.401		
9.000	17.372		
9.250	17.291		
9.500	17.189		
9.750	17.097		
10.000	17.001		
10.250	16.959		
10.500	16.933		
10.750	16.873		
11.000	16.803		
11.250	16.750		
11.500	16.679		
11.750	16.623		
12.000	16.572		
12.250	16.529		
12.500	16.493		
12.750	16.463		
13.000	16.441		
13.250	16.429		
13.500	16.419		
13.750	16.408		
14.000	16.398		
14.250	16.389		
14.500	16.380		
14.750	16.372		
15.000	16.365		
15.250	16.359		
15.500	16.353		
15.750	16.348		
16.000	16.347		
16.250	16.345		
16.500	16.341		
16.750	16.336		
17.000	16.330		
17.250	16.324		
17.500	16.318		
17.750	16.312		
18.000	16.308		
18.250	16.309		
18.500	16.319		
18.750	16.338		
19.000	16.376		
19.250	16.411		
19.500	16.464		
19.750	16.502		
20.000	16.539		
20.250	16.560		
20.500	16.567		

20.750	16.573
21.000	16.584
21.250	16.599
21.500	16.615
21.750	16.629
22.000	16.640
22.250	16.648
22.500	16.658
22.750	16.678
23.000	16.727
23.250	16.793
23.500	16.845
23.750	16.889
24.000	16.930
24.250	16.961
24.500	16.984
24.750	17.005
25.000	17.030
25.250	17.060
25.500	17.093
25.750	17.098
26.000	17.069
26.250	17.082
26.500	17.121
26.750	17.202
27.000	17.364
27.250	17.551
27.500	17.742
27.750	17.931
28.000	18.103
28.250	18.254
28.500	18.363
28.750	18.435
29.000	18.494
29.250	18.549
29.500	18.597
29.750	18.674
30.000	18.934
30.250	19.169
30.500	19.290
30.750	19.383
31.000	19.438
31.250	19.465
31.500	19.470
31.750	19.459
32.000	19.444
32.250	19.430
32.500	19.414
32.750	19.395
33.000	19.377
33.250	19.360
33.500	19.343
33.750	19.324
34.000	19.305
34.250	19.287
34.500	19.271
34.750	19.257
35.000	19.244
35.250	19.235
35.500	19.243
35.750	19.294
36.000	19.395
36.250	19.523
36.500	19.623
36.750	19.699
37.000	19.772
37.250	19.846
37.500	19.906
37.750	19.950
38.000	19.970
38.250	19.965
38.500	19.948
38.750	19.933
39.000	19.925
39.250	19.925
39.500	19.924
39.750	19.916
40.000	19.906
40.250	19.895
40.500	19.874
40.750	19.843
41.000	19.804
41.250	19.759
41.500	19.712
41.750	19.661
42.000	19.610
42.250	19.561
42.500	19.507

42.750	19.462
43.000	19.420
43.250	19.376
43.500	19.338
43.750	19.324
44.000	19.315
44.250	19.299
44.500	19.279
44.750	19.259
45.000	19.242
45.250	19.226
45.500	19.210
45.750	19.195
46.000	19.180
46.250	19.165
46.500	19.149
46.750	19.133
47.000	19.119
47.250	19.105
47.500	19.039
47.750	18.936
48.000	18.828
48.250	18.723
48.500	18.617
48.750	18.494
49.000	18.365
49.250	18.235
49.500	18.100
49.750	17.970
50.000	17.854
50.250	17.757
50.500	17.662
50.750	17.575
51.000	17.504
51.250	17.444
51.500	17.393
51.750	17.346
52.000	17.307
52.250	17.272
52.500	17.242
52.750	17.221
53.000	17.205
53.250	17.203
53.500	17.210
53.750	17.218
54.000	17.213
54.250	17.194
54.500	17.169
54.750	17.150
55.000	17.138
55.250	17.117
55.500	17.084
55.750	17.048
56.000	17.011
56.250	16.976
56.500	16.944
56.750	16.914
57.000	16.886
57.250	16.860
57.500	16.835
57.750	16.813
58.000	16.793
58.250	16.776
58.500	16.761
58.750	16.768
59.000	16.796
59.250	16.796
59.500	16.777
59.750	16.756
60.000	16.730
60.250	16.693
60.500	16.660
60.750	16.631
61.000	16.612
61.250	16.591
61.500	16.574
61.750	16.559
62.000	16.547
62.250	16.537
62.500	16.528
62.750	16.521
63.000	16.517
63.250	16.513
63.500	16.508
63.750	16.502
64.000	16.496
64.250	16.491
64.500	16.485

Highway 9  
Alternative 3B - Input Report

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64.750	16.480
65.000	16.475
65.250	16.470
65.500	16.466
65.750	16.462
66.000	16.458
66.250	16.454
66.500	16.450
66.750	16.446
67.000	16.443
67.250	16.440
67.500	16.437
67.750	16.435
68.000	16.432
68.250	16.430
68.500	16.427
68.750	16.424
69.000	16.421
69.250	16.418
69.500	16.415
69.750	16.412
70.000	16.409
70.250	16.406
70.500	16.403
70.750	16.400
71.000	16.397
71.250	16.394
71.500	16.391
71.750	16.389
72.000	16.386