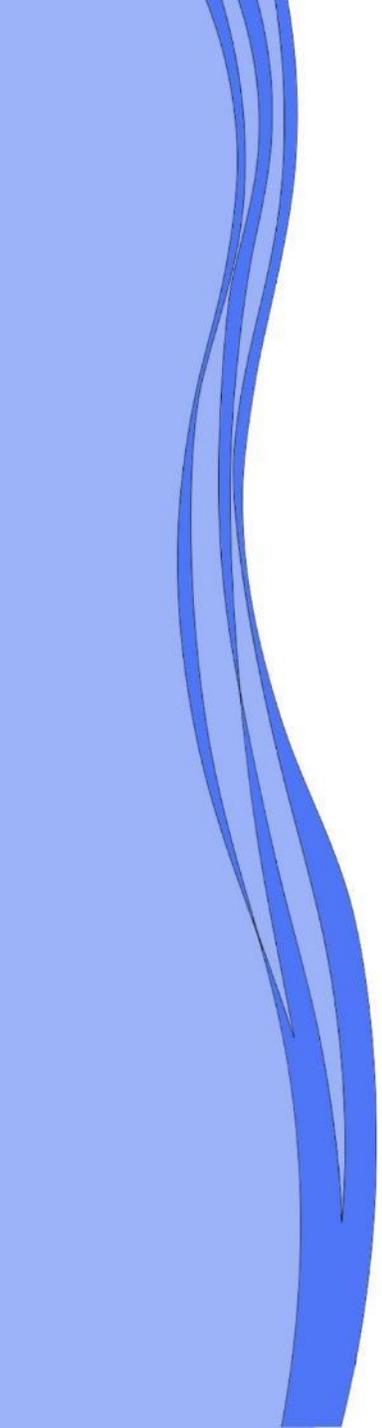




The Horry County Citizen Planning Academy is designed to create citizen planners that will be engaged in shaping the future of Horry County.

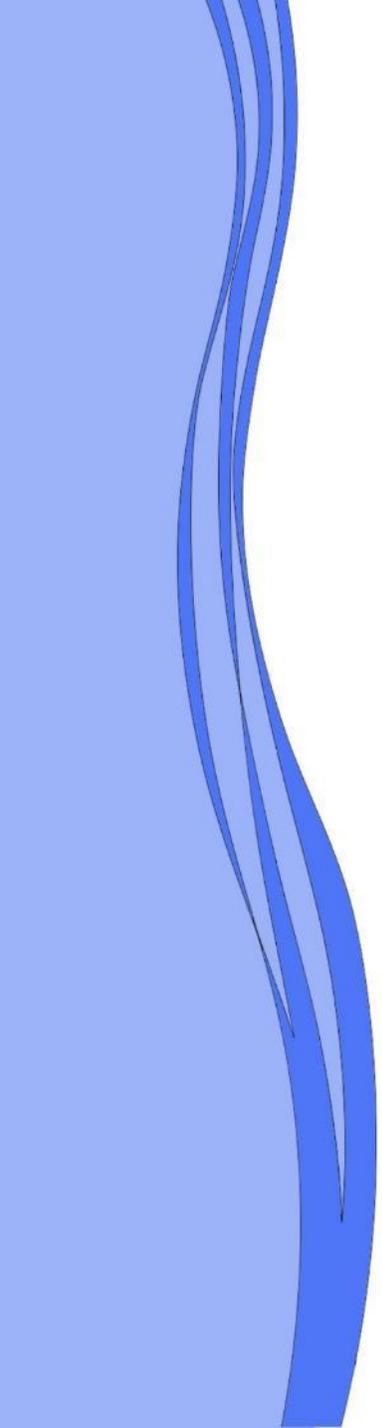
Infrastructure Planning

December 12, 2019



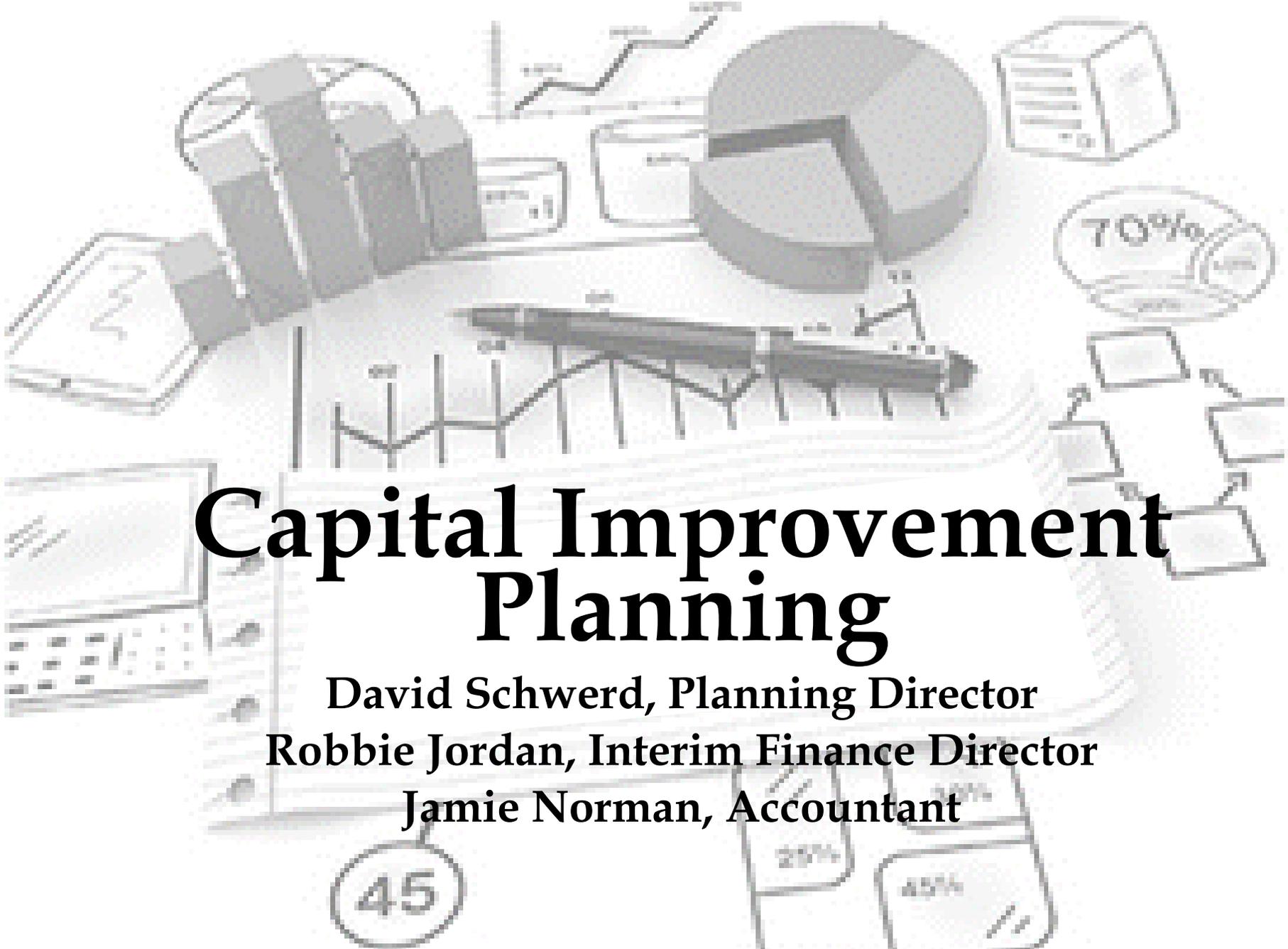
Session Contents

- Capital Planning Authorities
- Capital Improvements Planning
- Transportation Planning
- Official Map
- Impact Fees, Development Agreements, Multi-County Business Park, Special Tax Districts



Ground Rules

- Mechanism to learn, so ask questions.
- Respect opinions.
- Allow others to speak and have the opportunity to learn.
- Turn off cell phone ringers.



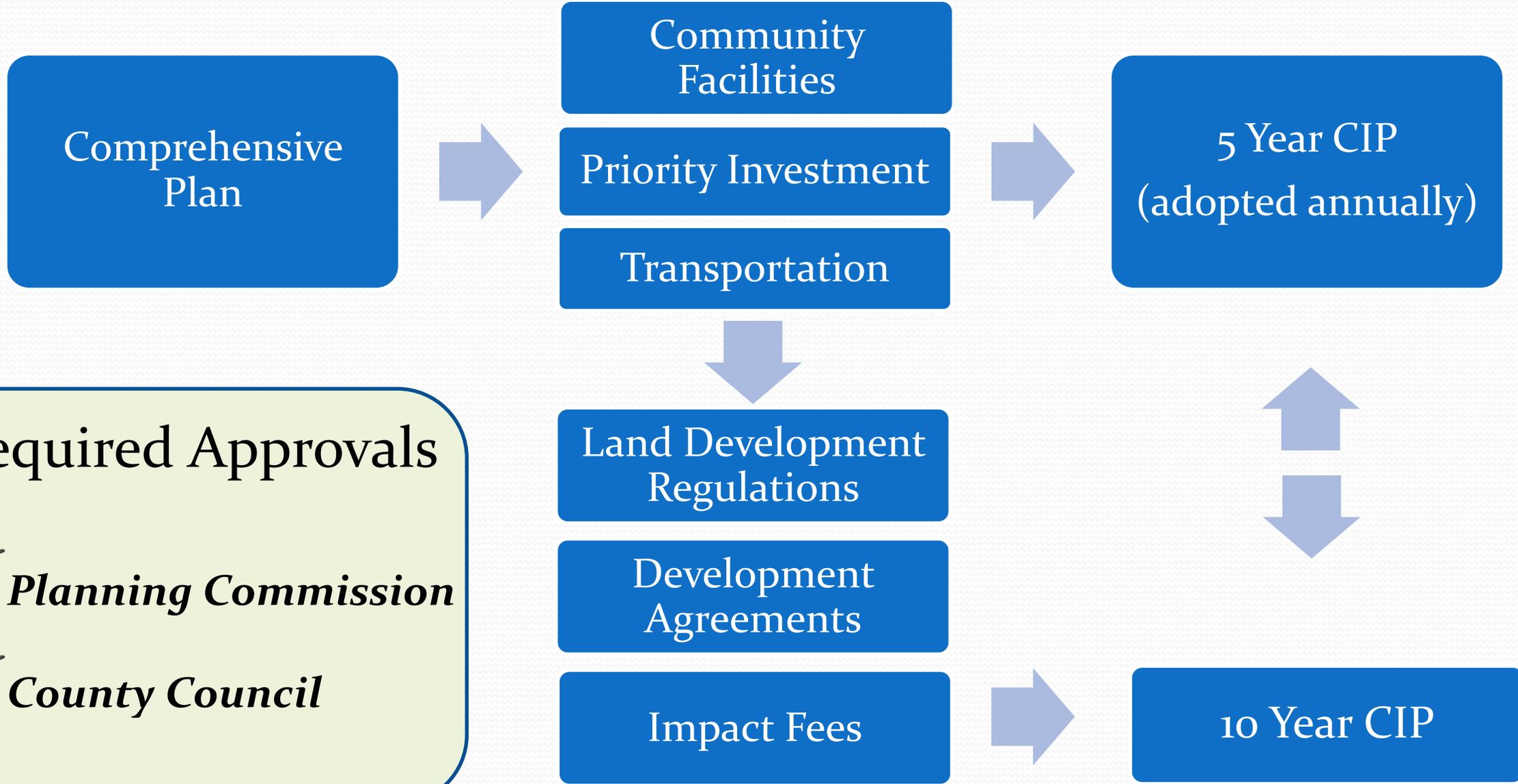
Capital Improvement Planning

David Schwerd, Planning Director

Robbie Jordan, Interim Finance Director

Jamie Norman, Accountant

Planning Requirements



Comprehensive Plan

Community Facilities

Priority Investment

Transportation

5 Year CIP
(adopted annually)

Required Approvals

✓ *Planning Commission*

✓ *County Council*

Land Development Regulations

Development Agreements

Impact Fees

10 Year CIP

Other Planning Authorities

- Horry County Schools
- Grand Strand Water and Sewer Authority
- Little River Water and Sewer
- SCE&G
- Santee Cooper
- Horry Electric
- SC Department of Transportation
- COAST RTA
- Waccamaw Regional Council of Governments
- Municipalities
- Private Sector – ie hospital systems, cable/internet



Planning Commission Authority

- Power and duty to prepare and recommend:
- a capital improvements program setting forth projects required to implement plans which have been prepared and adopted, including an annual listing of priority projects for consideration by the governmental bodies responsible for implementation prior to preparation of their capital budget S.C. Code § 6-29-340(B)(2)(e).



What is the CIP?

The Capital Improvements Program (CIP) is a short-range schedule of public improvement projects planned by County Government to occur over a five-year period and includes project descriptions, costs and sources of funding.

The Capital Budget is the first year of the CIP and includes those projects for which funds have been appropriated. The subsequent four years included in the program reflect planned activity, subject to budget approval by the Council in the respective future year.



What is CIP Eligible?

A capital project in the CIP shall have all of the following applicable characteristics:

1. The project will fall into one of the following categories:
 - Government's public infrastructure
 - Vertical and horizontal construction
 - Vehicles and equipment with a projected useful life of more than 10 years
 - Major capital acquisitions
2. The project will include infrequent expenditures with an individual project cost of \$100,000 or more
3. The project will result in newly constructed or expanded facility or a major repair to a fixed asset
4. Acquisition of land for future projects is eligible when it has been identified as a need in the five-year CIP, County Comprehensive Plan, or when it can be shown as necessary and based on growth trends, or Council policy decisions



CIP Review Process

- Review and Adoption of CIP Policies
- Departmental Submittal
- Staff Recommended CIP
- County Planning Commission Review
- County Council Public Hearing

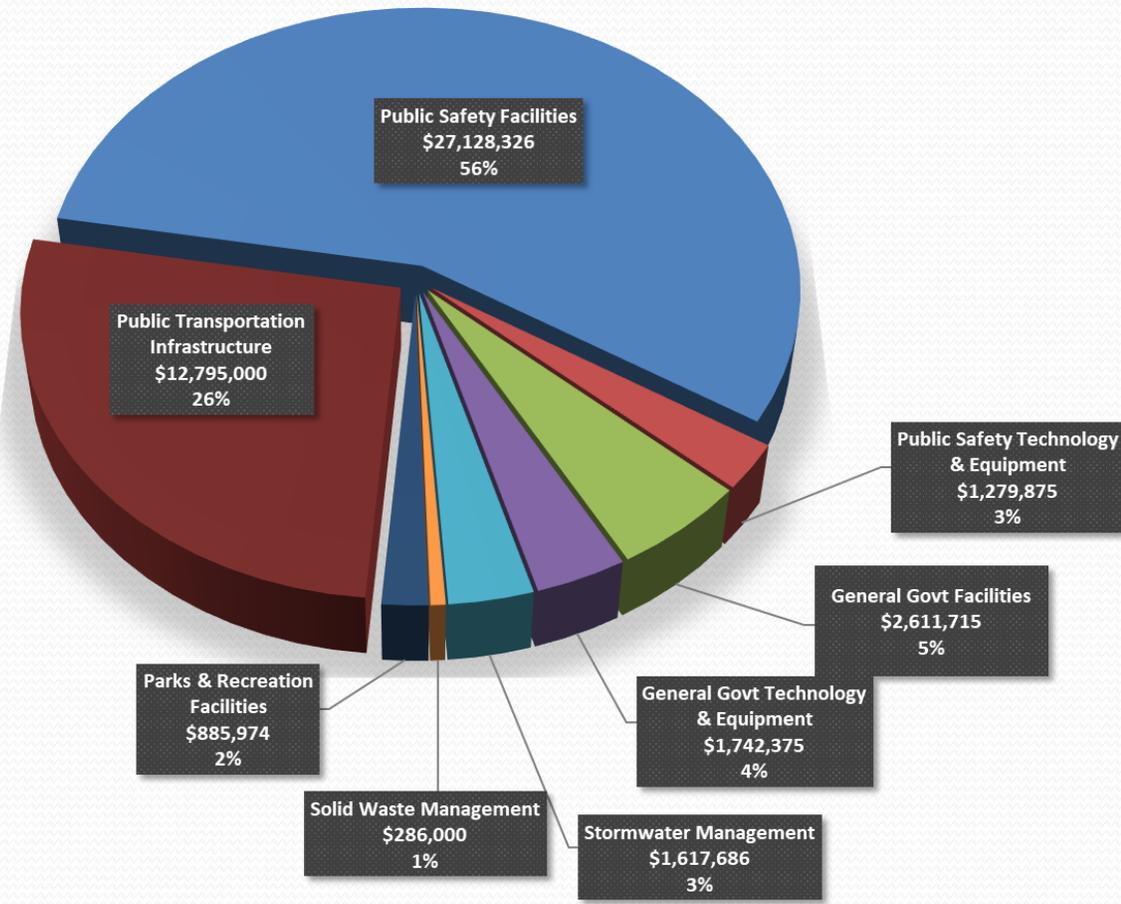


Capital Highlights FY2020

- **Public Safety Facilities:**
 - Longs Fire Station Relocation
 - Emergency Operations Center
 - Lifecycle Maintenance
- **Public Safety Technology & Equipment**
 - Public Safety Software
 - Police Body Cameras
 - EMS Stretchers
 - Fire SCBA Breathing Apparatus
- **General Government Facilities**
 - Conway Office Acquisition
 - Lifecycle Maintenance
- **General Government Technology & Equipment**
 - IT Servers/Storage/Switches/Core Network Infrastructure
 - IT Data Backup/Disaster Recovery/Software Upgrades
 - Computer Replacements
 - Aerial Photography



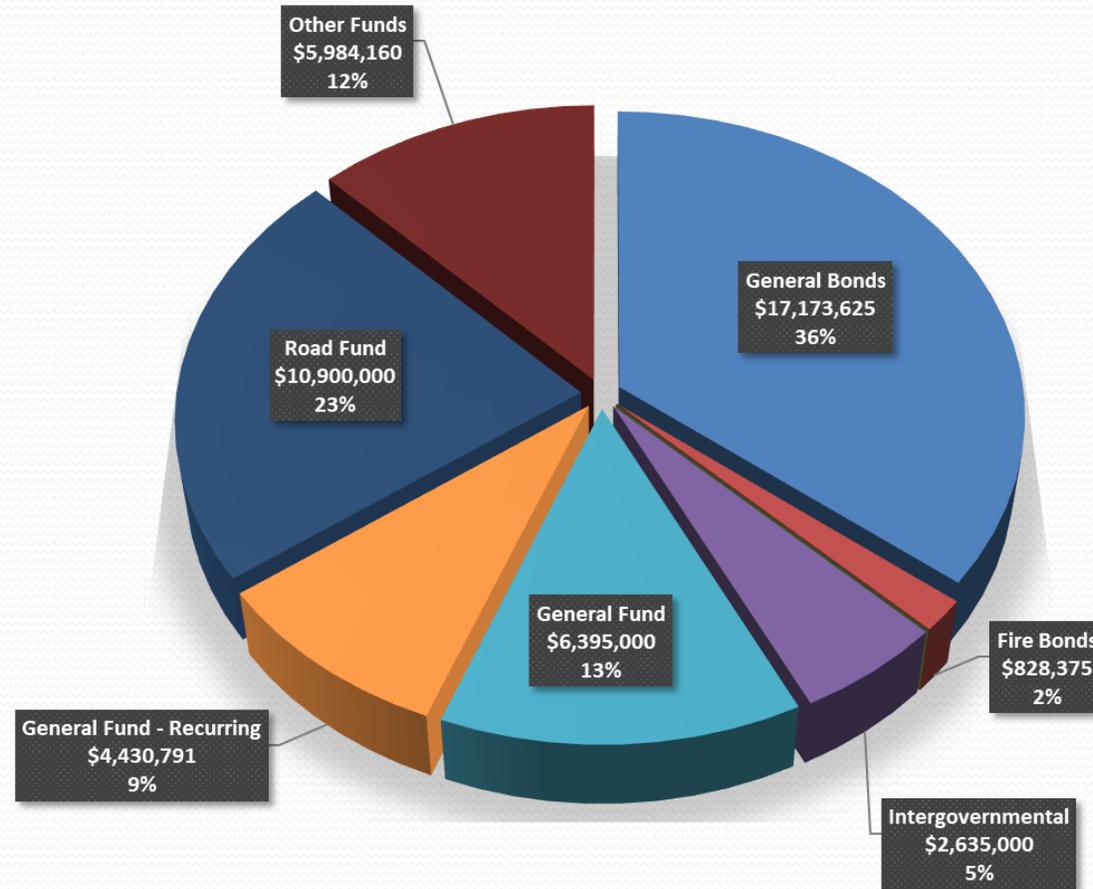
CIP Expenditures



Total FY20 Capital Budget Expenditures: \$48,346,951



CIP Revenues



Total FY20 Capital Budget Revenues: \$48,346,951



CIP Summary

FY 2020 to FY 2024 Capital Improvement Plan						
DESCRIPTION	Budgeted Expenditures					
	FY2020	FY2021	FY2022	FY2023	FY2024	Totals
Public Safety Facilities	\$27,128,326	\$7,930,400	\$2,623,500	\$7,089,400	\$2,413,900	\$47,185,526
Public Safety Technology & Equipment	\$1,279,875	\$6,479,875	\$979,875	\$979,875	\$979,875	\$10,699,375
General Govt Facilities	\$2,611,715	\$22,224,000	\$1,250,000	\$25,150,000	\$1,250,000	\$52,485,715
General Govt Technology & Equipment	\$1,742,375	\$1,767,375	\$3,192,375	\$1,692,375	\$1,492,375	\$9,886,875
Stormwater Management	\$1,617,686	\$1,600,000	\$1,800,000	\$1,800,000	\$1,800,000	\$8,617,686
Solid Waste Management	\$286,000	\$286,000	\$286,000	\$286,000	\$286,000	\$1,430,000
Parks & Recreation Facilities	\$885,974	\$1,285,000	\$1,285,000	\$1,285,000	\$1,285,000	\$6,025,974
Public Transportation Infrastructure	\$12,795,000	\$11,476,000	\$11,875,000	\$10,750,000	\$10,750,000	\$57,646,000
Total Expenditures	\$48,346,951	\$53,048,650	\$23,291,750	\$49,032,650	\$20,257,150	\$193,977,151

FY 2020 to FY 2024 Capital Improvement Plan						
DESCRIPTION	Budgeted Revenues					
	FY2020	FY2021	FY2022	FY2023	FY2024	Totals
General Bonds	\$17,085,000	\$23,765,200	\$0	\$25,754,500	\$0	\$66,604,700
Fire Bonds	\$832,000	\$3,439,200	\$2,173,500	\$3,384,900	\$1,963,900	\$11,793,500
Lease Financing	\$0	\$5,000,000	\$0	\$0	\$0	\$5,000,000
Intergovernmental - CTC	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Intergovernmental - Sunday	\$535,000	\$535,000	\$535,000	\$535,000	\$535,000	\$2,675,000
Intergovernmental - FEMA	\$1,600,000	\$0	\$0	\$0	\$0	\$1,600,000
Subtotal - Revenues	\$20,552,000	\$33,239,400	\$3,208,500	\$30,174,400	\$2,998,900	\$90,173,200
Road Fund	\$10,900,000	\$10,150,000	\$10,150,000	\$11,550,000	\$10,150,000	\$52,900,000
General Fund - Recurring	\$4,430,791	\$5,480,750	\$5,079,750	\$3,679,750	\$3,479,750	\$22,150,791
General Fund - One Time	\$6,480,000	\$0	\$1,225,000	\$0	\$0	\$7,705,000
E911 Fund	\$2,250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$3,250,000
Stormwater Fund	\$1,695,186	\$1,677,500	\$1,877,500	\$1,877,500	\$1,877,500	\$9,005,186
Recreation Fund	\$350,974	\$750,000	\$750,000	\$750,000	\$750,000	\$3,350,974
Fire Fund	\$1,402,000	\$465,000	\$465,000	\$465,000	\$465,000	\$3,262,000
Waste Management Fund	\$286,000	\$286,000	\$286,000	\$286,000	\$286,000	\$1,430,000
RIDE II	\$0	\$0	\$0	\$0	\$0	\$0
RIDE III	\$0	\$750,000	\$0	\$0	\$0	\$750,000
CIP Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal - Transfers	\$27,794,951	\$19,809,250	\$20,083,250	\$18,858,250	\$17,258,250	\$103,803,951
Total Revenues	\$48,346,951	\$53,048,650	\$23,291,750	\$49,032,650	\$20,257,150	\$193,977,151



Unfunded Projects

Project	Funding				Type	Projected Annual Impact			
	Year	Project Cost	Debt Amount	Grants		Pay-go	Operating	Debt Service	One-time Equipment
General Government Facilities									
Saunders Building	2022	1,000,000	1,000,000	-	-	Renovation	60,000	73,582	N/A
JP Stevens Building	2022	3,000,000	3,000,000	-	-	Renovation	180,000	220,745	N/A
Historical Court House - Roof	2020	250,000	-	-	250,000	Improvement	No Additional	-	N/A
Historical Court House - Chiller	2020	500,000	-	-	500,000	Improvement	No Additional	-	N/A
M. L. Brown Public Safety Building - Roof	2022	950,000	-	-	950,000	Improvement	No Additional	-	N/A
Vote Reg & Election Complex - Reroof	2022	300,000	-	-	300,000	Improvement	No Additional	-	N/A
Seven Up Building - Resheet Outside Walls	2022	300,000	-	-	300,000	Improvement	No Additional	-	N/A
Government/Judicial Center - Roof	2022	400,000	-	-	400,000	Improvement	No Additional	-	N/A
North Strand Recreation - Replace Flooring	2020	150,000	-	-	150,000	Improvement	No Additional	-	N/A
CB Berry/Vereen Gardens - Walkover Renovations	2021	500,000	-	-	500,000	Renovation	30,000	-	N/A
Public Safety Facilities									
Police Training Facility	2022	1,500,000	1,500,000	-	-	New	60,000	110,373	TBD
Police 5th Precinct	2022	3,000,000	3,000,000	-	1,000,000	New	2,000,000	220,745	1,000,000
Off-site Adoption Center	TBD	478,968	478,968	-	-	New	144,779	35,243	TBD
Animal Care Center Expansion	2024	2,081,204	2,081,204	-	-	New	121,156	153,139	TBD
JBL Detention Bow-tie Renovation	2024	13,000,000	13,000,000	-	-	Renovation	520,000	956,563	TBD
JRL 128 Bed Annex	2024	7,300,000	7,300,000	-	-	Renovation	292,000	537,147	TBD
Fire/Rescue Capital Plan									
New Atlantic Beach Station	2023	2,127,500	2,127,500	-	-	New	212,750	163,554	1,041,600
New Oak Street Station	2023	2,127,500	2,127,500	-	-	New	212,750	163,554	664,850
Surfside	TBD	2,127,500	2,127,500	-	-	New	212,750	163,554	1,041,600
New Camp Swamp Station	TBD	2,012,500	2,012,500	-	-	New	201,250	154,713	1,041,600
New Loris Station	TBD	2,012,500	2,012,500	-	-	New	201,250	154,713	664,850
New 378 Station	TBD	2,127,500	2,127,500	-	-	New	212,750	163,554	650,000
New Brown Swamp Station	TBD	2,012,500	2,012,500	-	-	New	201,250	154,713	1,041,600
Gilbert Volunteer Station Build	TBD	1,437,500	1,437,500	-	-	New	143,750	110,509	650,000
New Carolina Forest 3 Station	TBD	2,012,500	2,012,500	-	-	New	201,250	154,713	1,041,600
New Bay Road Station	TBD	2,012,500	2,012,500	-	-	New	201,250	154,713	709,400
Gunter's Island Volunteer Station Build	TBD	1,437,500	1,437,500	-	-	New	143,750	110,509	650,000
Infrastructure									
Waste Mngt - Carolina Forest/Postal Way	TBD	1,000,000	-	-	1,000,000	New	400,000	-	N/A
Waste Mngt - Property Purchase	TBD	150,000	-	-	150,000	New	No Additional	-	N/A
Waste Mngt - New Center	2020	1,000,000	-	-	1,000,000	New	400,000	-	N/A
Waste Mngt - New Center	2021	1,000,000	-	-	1,000,000	New	400,000	-	N/A
Waste Mngt - New Center	2022	1,000,000	-	-	1,000,000	New	400,000	-	N/A
Waste Mngt - New Center	2023	1,000,000	-	-	1,000,000	New	400,000	-	N/A
Multimodal Sidewalk Program	TBD	852,000	-	-	852,000	New	56,800	-	N/A
Multimodal Sidewalk Program	2020	1,150,000	-	-	1,150,000	New	76,667	-	N/A
Multimodal Sidewalk Program	2021	800,000	-	-	800,000	New	53,333	-	N/A
Multimodal Sidewalk Program	2022	1,400,000	-	-	1,400,000	New	93,333	-	N/A
Multimodal Sidewalk Program	2023	500,000	-	500,000	-	New	33,333	-	N/A
Recreation									
Socastee Recreation Park - 3 fields and building	TBD	3,000,000	3,000,000	-	-	New	180,000	220,745	Included
Aynor Recreation Center	TBD	7,465,000	7,667,500	100,000	100,000	New	575,000	564,188	402,500
Loris Recreation Center	TBD	9,195,000	9,197,500	300,000	100,000	New	575,000	676,768	402,500
Socastee Recreation Park	TBD	9,112,500	8,412,500	200,000	500,000	Expansion	230,000	619,006	Included
South Strand Recreation Center	TBD	6,150,000	5,890,000	100,000	500,000	Expansion	135,000	433,397	340,000
North Strand Park	TBD	5,670,000	5,410,000	250,000	250,000	Expansion	135,000	398,077	240,000
Carolina Forest Recreation Center	TBD	9,950,000	9,690,000	100,000	500,000	Expansion	365,000	713,007	340,000
Carolina Forest Bike and Run Park	TBD	1,865,000	1,515,000	100,000	250,000	Expansion	57,500	111,476	Included
Little River Waterfront Park (3 Phases)	TBD	7,525,000	6,525,000	500,000	500,000	New	100,000	480,121	Included
Peter Vaught Sr Park and Landing	TBD	3,220,000	2,770,000	200,000	250,000	Expansion	50,000	203,821	50,000
Vereen Memorial Gardens and CB Berry Community Center	TBD	3,105,000	2,645,000	200,000	500,000	Expansion	11,000	194,624	240,000
James Frazier Community Center	TBD	730,000	380,000	100,000	250,000	Expansion	12,000	27,961	Included
Bayboro Park	TBD	255,000	-	127,500	127,500	Renovation	No Additional	-	Included
Brooksville Park	TBD	2,135,000	1,935,000	100,000	100,000	New	10,000	142,381	Included
Collins Creek Park	TBD	2,182,500	1,732,500	200,000	250,000	New	10,000	127,480	Included
Forestbrook Park (2 Phases)	TBD	5,515,000	5,505,000	100,000	250,000	New	565,000	405,068	340,000

Project	Funding					Projected Annual Impact			
	Year	Project Cost	Debt Amount	Grants	Pay-go	Operating	Debt Service	One-time Equipment	
Project									
Green Sea Floyds Park	TBD	2,090,000	1,980,000	250,000	100,000	Expansion	5,000	145,692	240,000
Greenwood Park	TBD	1,300,000	1,100,000	100,000	100,000	New	10,000	80,940	Included
Loris Nature Park	TBD	56,300	-	28,150	28,150	Renovation	No Additional	-	Included
Michael Morris Graham Park	TBD	3,185,000	2,835,000	100,000	250,000	Expansion	50,000	208,604	Included
Myrtle Ridge Park	TBD	1,140,000	940,000	100,000	100,000	New	10,000	69,167	Included
Pee Dee Park	TBD	1,355,000	855,000	250,000	250,000	Expansion	5,000	62,912	Included
Poplar Park	TBD	1,730,000	1,530,000	100,000	100,000	Expansion	5,000	112,580	Included
River Oaks Park	TBD	1,120,000	820,000	150,000	150,000	New	10,000	60,337	Included
Sandridge Park	TBD	270,000	-	135,000	135,000	Renovation	No Additional	-	Included
Simpson Creek Park	TBD	440,500	240,500	100,000	100,000	Renovation	No Additional	17,696	Included
Surfside Park	TBD	1,327,500	1,000,000	200,000	127,500	New	10,000	73,582	Included
White Oak Park	TBD	165,500	-	50,000	110,500	Renovation	No Additional	-	Included
Bennett Loop Park	TBD	180,500	-	180,500	-	New	5,000	-	Included
Garden City Park	TBD	1,445,000	1,145,000	100,000	200,000	New	10,000	84,251	Included
Frink Park	TBD	152,000	-	76,000	76,000	Renovation	No Additional	-	Included
Lewis Ocean Bay Trailhead	TBD	192,500	-	100,000	-	New	5,000	-	Included
MT. Vernon Tennis Courts	TBD	155,000	-	155,000	-	Renovation	No Additional	-	Included
Racepath Park	TBD	245,000	-	245,000	-	Renovation	No Additional	-	Included
Stalvey Creek Boardwalk & Park	TBD	1,560,000	1,360,000	200,000	-	New	10,000	100,071	Included
Boat Landing Ramp Upgrades and Signage (approx. 2 Projects/Annually until 2040)	TBD	3,500,000	1,000,000	1,500,000	1,000,000	Renovation	No Additional	73,582	Included
Soft Launches (4 New)	TBD	312,500	-	156,250	156,250	New	12,000	-	Included
Trails & Greenways - Bike & Ped Plan									
Blackmoor Trail (Boardwalk)	TBD	4,881,000	4,881,000	-	-	New	97,620	73,582	N/A
Collins Creek Trail	TBD	469,000	469,000	-	-	New	9,380	73,582	N/A
Lewis Ocean Bay Heritage Preserve - East Coast Greenway Segment	TBD	500,000	500,000	-	-	New	10,000	73,582	N/A
Postal Way Multipurpose Path (adj to Railroad ROW or stormwater ditch)	TBD	798,743	798,743	-	-	New	15,975	73,582	N/A
Prince Creek Trail Phase I	TBD	1,333,000	1,333,000	-	-	New	26,660	73,582	N/A
Prince Creek Trail Phase II	TBD	1,779,000	1,779,000	-	-	New	35,580	73,582	N/A
Socastee Park Connector Trail	TBD	610,000	610,000	-	-	New	12,200	73,582	N/A
Tem Hall Connector Trail	TBD	286,000	286,000	-	-	New	5,720	73,582	N/A
Tournament Blvd Multipurpose Path Phase I	TBD	1,442,000	1,442,000	-	-	New	28,840	73,582	N/A
Wildemess Avenue Multipurpose Path Phase I	TBD	548,000	548,000	-	-	New	10,960	73,582	N/A
Wildemess Avenue Multipurpose Path Phase II	TBD	176,000	176,000	-	-	New	3,520	73,582	N/A
Total:		\$ 177,829,715	152,710,915	7,453,400	21,112,950		11,280,107	11,173,272	12,792,100



Questions?



Transportation Planning

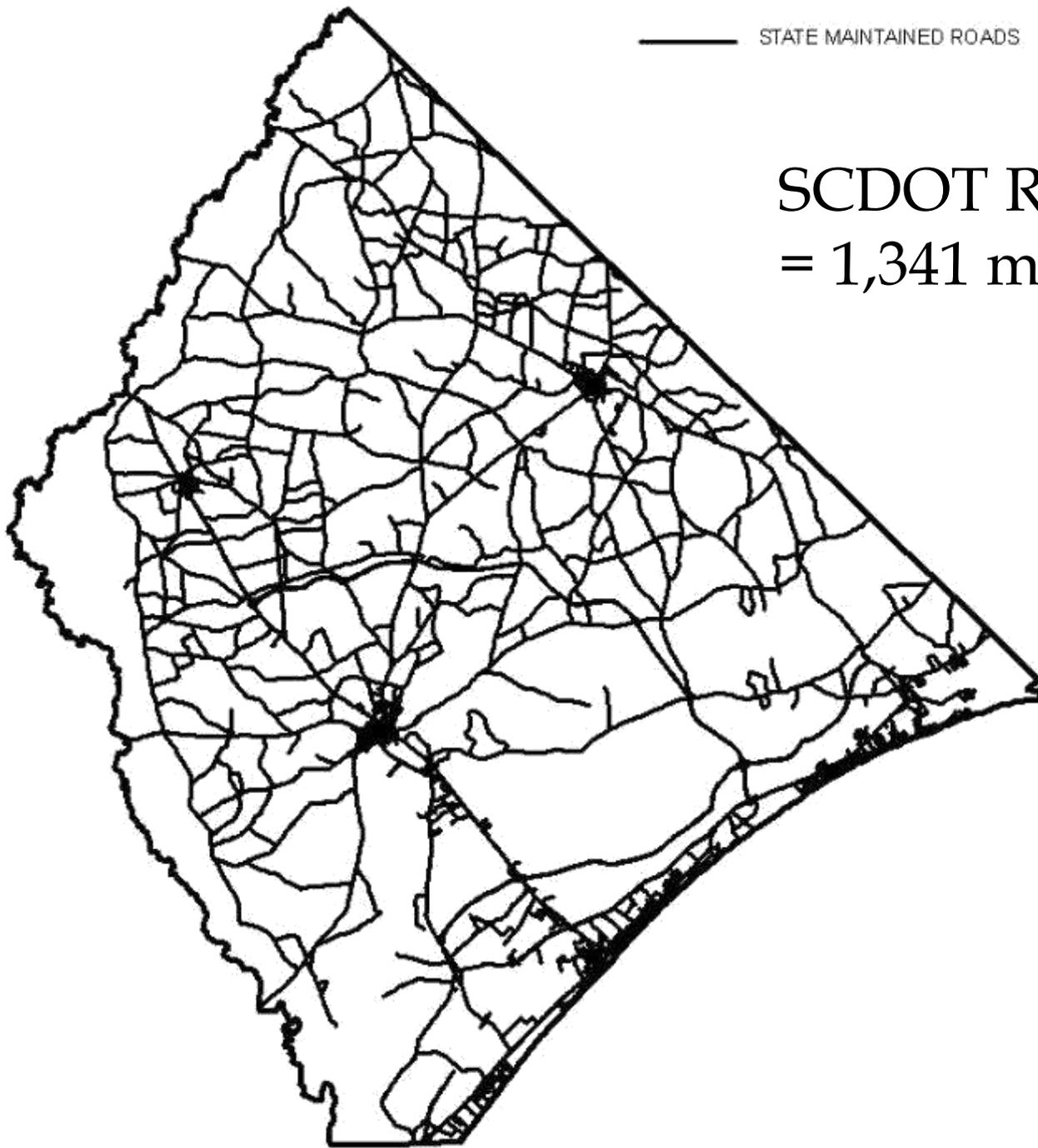
Andy Markunas, PE, Deputy Engineer
Jason Thompson, PE, RIDE 3 Manager

Horry County
Citizen Planning Academy
December 12, 2019



— STATE MAINTAINED ROADS

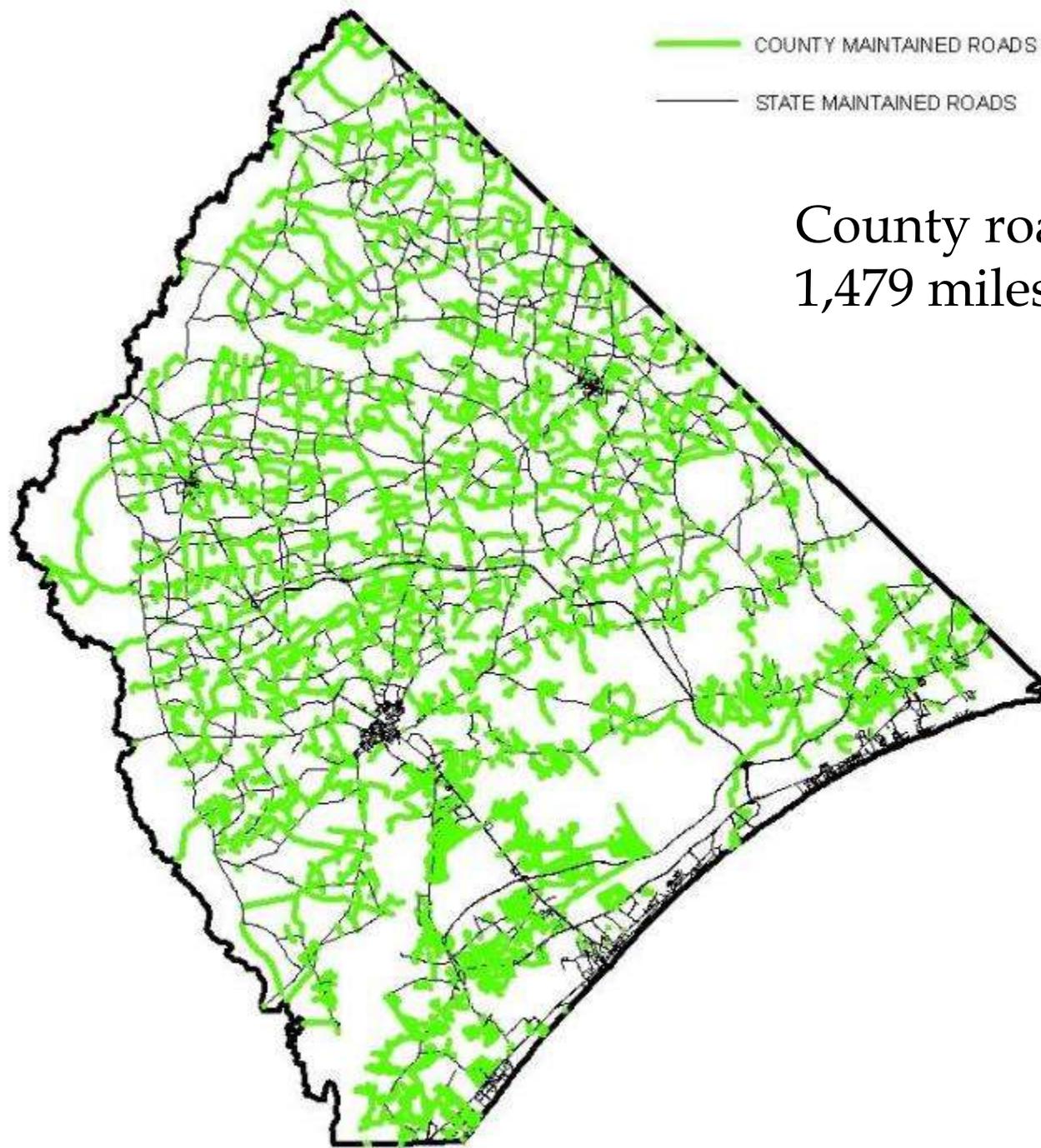
SCDOT Roads
= 1,341 miles





— COUNTY MAINTAINED ROADS

— STATE MAINTAINED ROADS



County roads =
1,479 miles

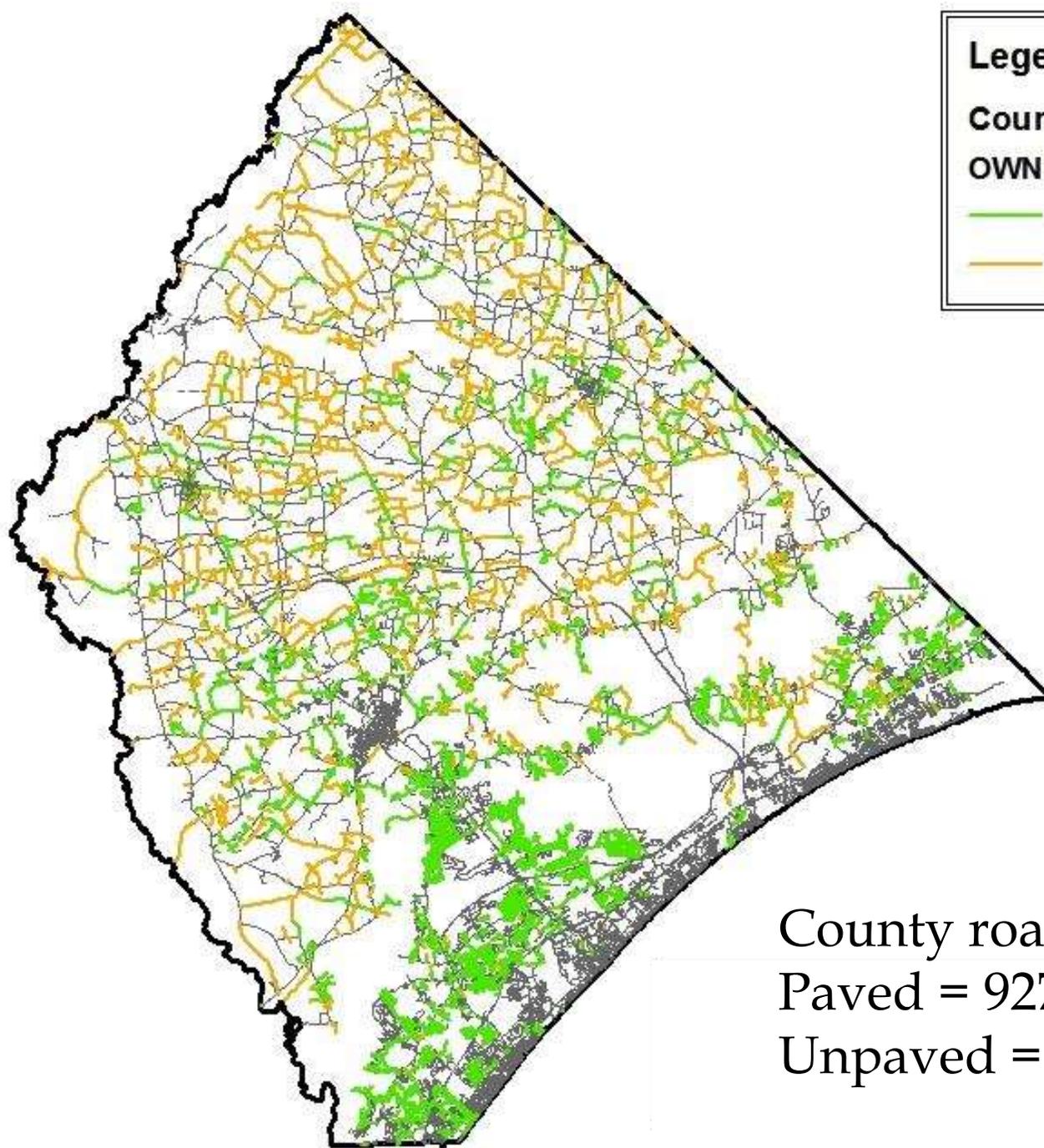
Legend

County Rds

OWNER, SUBTYPE

— County Paved Rds

— County Unpaved Rds

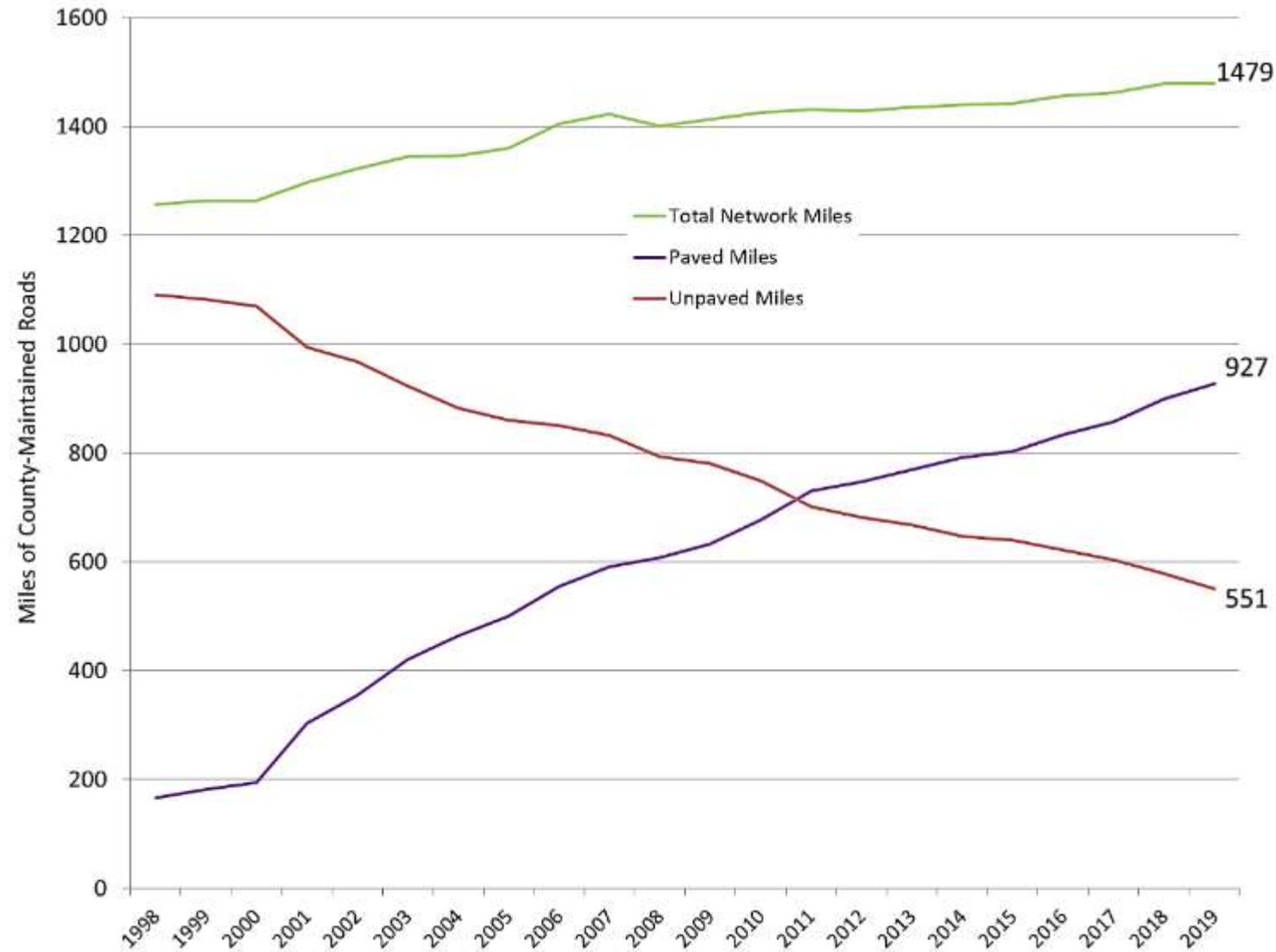


County roads = 1,479 miles

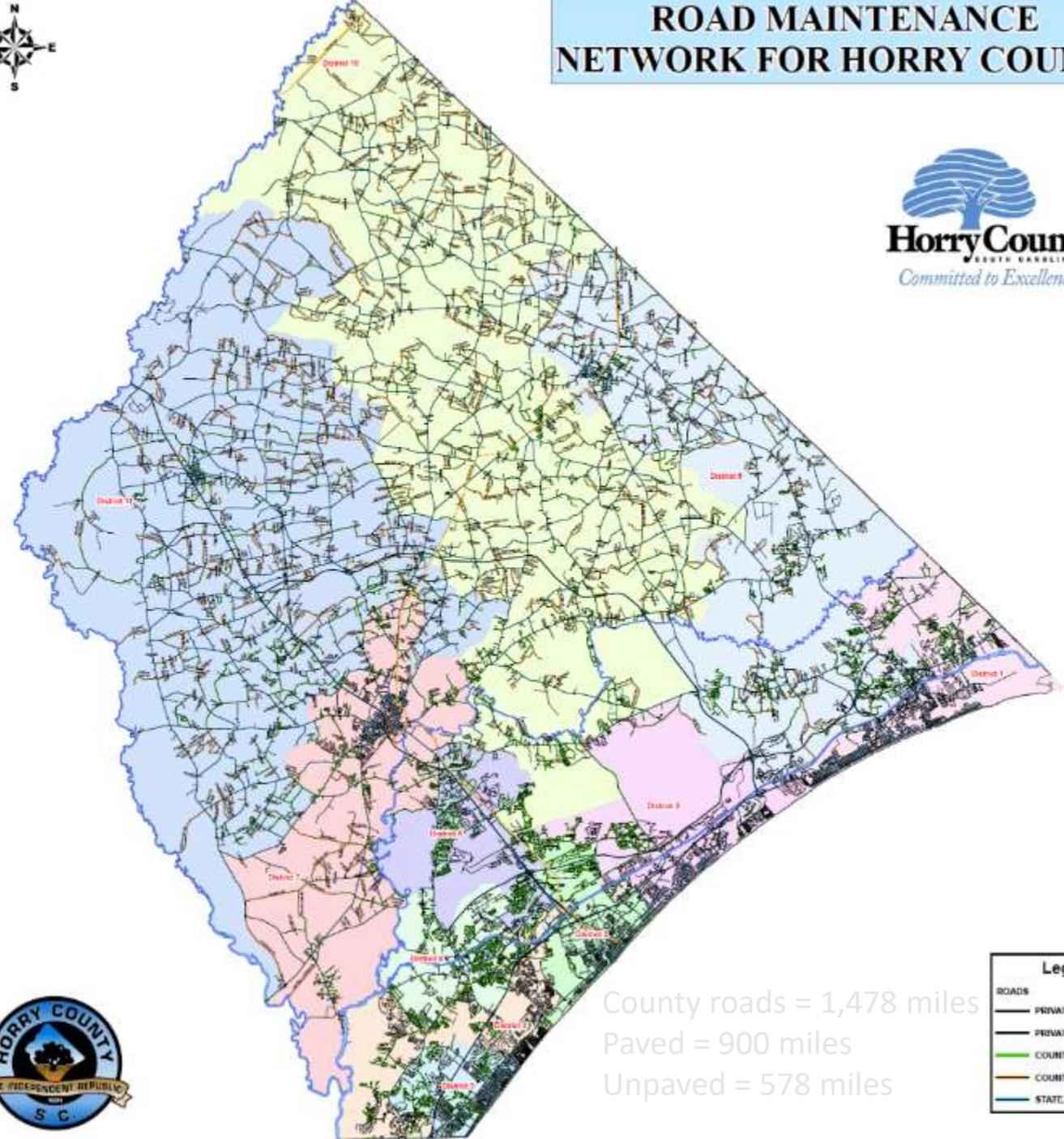
Paved = 927 miles

Unpaved = 551 miles

Horry County Roads - Mileage



ROAD MAINTENANCE NETWORK FOR HORRY COUNTY



County roads = 1,478 miles
Paved = 900 miles
Unpaved = 578 miles

Legend	
ROADS	
—	PRIVATE, PAVED
—	PRIVATE, UNPAVED
—	COUNTY, PAVED
—	COUNTY, UNPAVED
—	STATE, PAVED

\$50 County Road Fee (FY 2020)

- \$16.3 M total revenue
- Approx. \$4.9 M is allocated for payments to others (will increase with revenue growth):
 - Annual payment to cities: Approx. \$2.8 M
 - Annual funding to Coast RTA: Approx. \$2.1 M
- \$11.4 M net revenue - \$6.4 M to Engineering
- Pave 2.0 miles of dirt roads (Eng \$1.0 M, CTC \$500k)
- 17 miles of paved road resurfacing (Eng \$4.2 M)
- Pave 4.0 miles of dirt roads in-house (PW)
- 15 miles of stone base improvements to dirt roads (PW)
- Traffic calming, drainage improvements (Eng)

Dirt Road Paving



Before & After

Dirt Road Paving

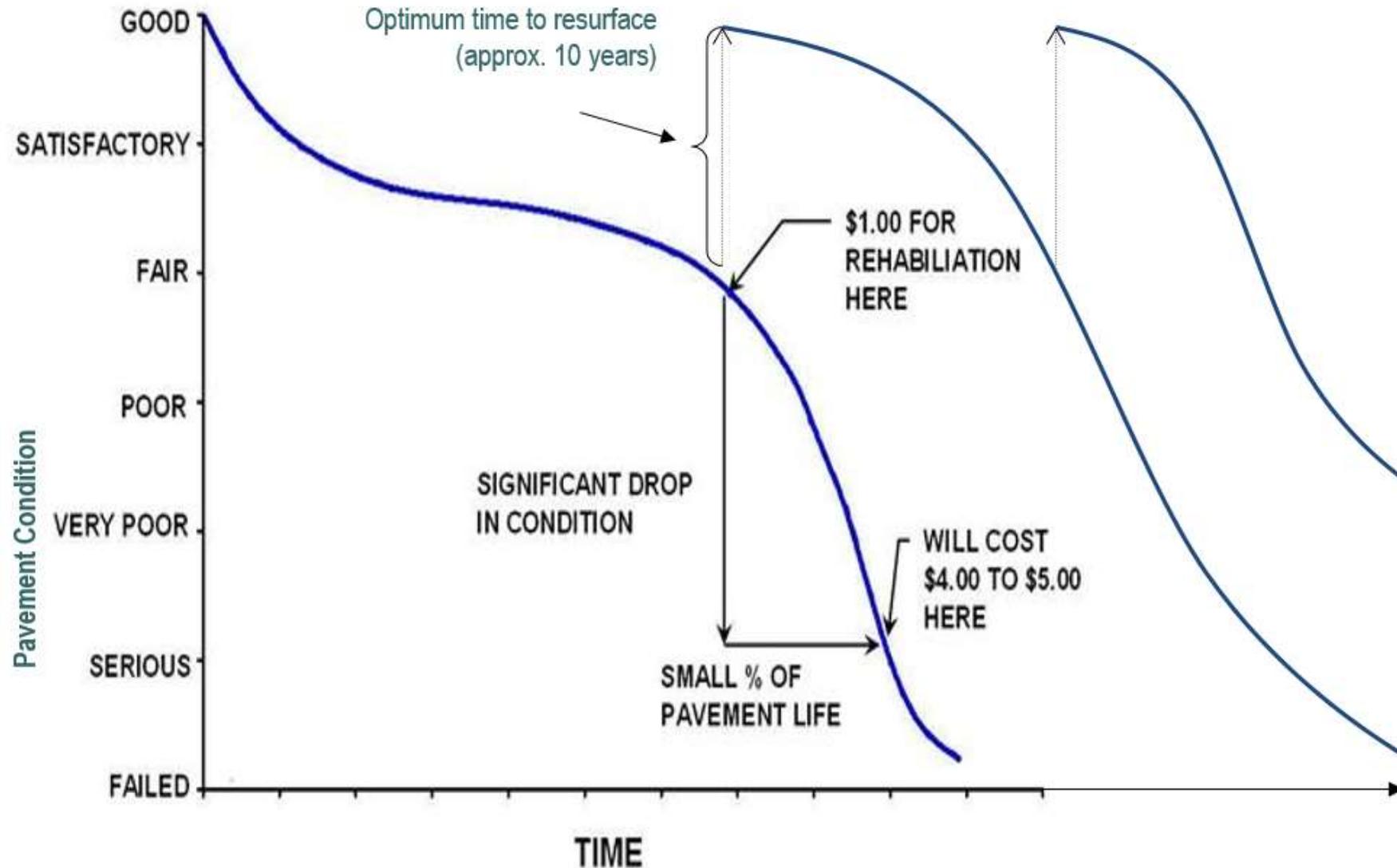
- Roads paved by private contractor (Engineering Dept) and in-house (Public Works)
- Roads recommended for paving by staff and approved by council through approval of resolution
 - Total mileage based on budget (\$750k / mile)
 - Allocated to districts (remaining unpaved mileage)
 - Prioritized by road length and traffic volume estimate
- Right-of-way easement acquisition
- Design and construction plans prepared by engineering consultants (on-call contract)
- Inspection / project management by county staff (eng)

Paved Road Resurfacing



Before & After

Pavement Management



Paved Road Resurfacing

- Pavement management system
 - Periodic road assessments (evaluate conditions)
 - Pavement Condition Index (PCI)
- Resurfacing program development (prioritization)
 - Pavement condition (PCI)
 - Age of pavement
 - Geographic proximity (subdivisions)
- Program implemented through large contracts
 - 25+ miles, 9 months to 1 year period of performance
 - Resurfacing completed by private contractor
 - Inspection / project management by county staff

Land Development & Road Improvements

- Traffic study by developer's engineer:
 - Trip generation & distribution
 - Background growth
 - Before / after (design year) operational analysis
- Magnitude of traffic impacts determine need for:
 - Turn lanes
 - Traffic signals
 - Off-site improvements
- SCDOT approval required for work on state roads

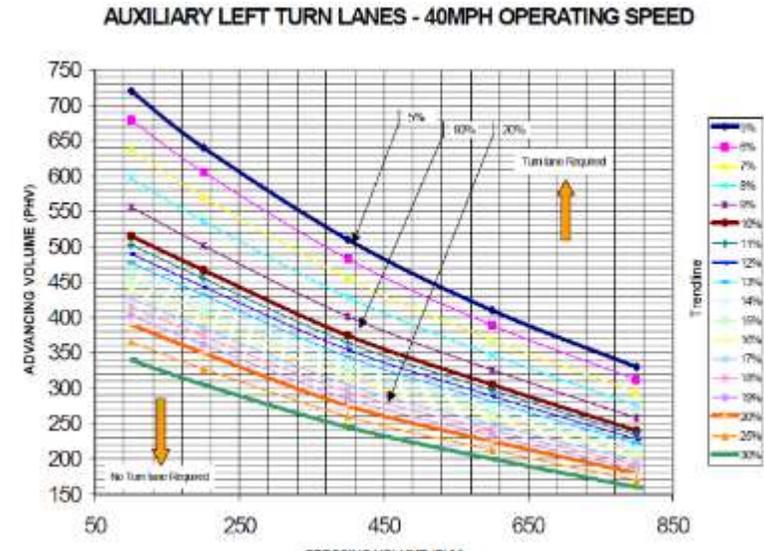
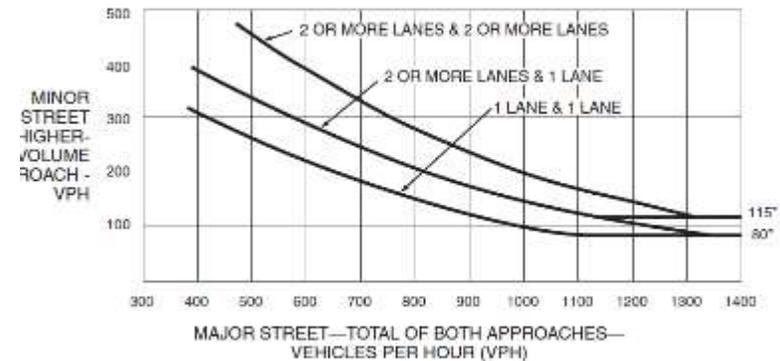


Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

Land Development & Road Improvements

- Cumulative traffic impacts
 - School traffic
 - General traffic congestion on major roads
 - Speeding in residential areas
- Regional Improvements
 - Ride 2 / Ride 3 programs
 - GSATS
 - Potential impact fees
- Improvements to school infrastructure (loop roads)
- Traffic calming (speed humps)



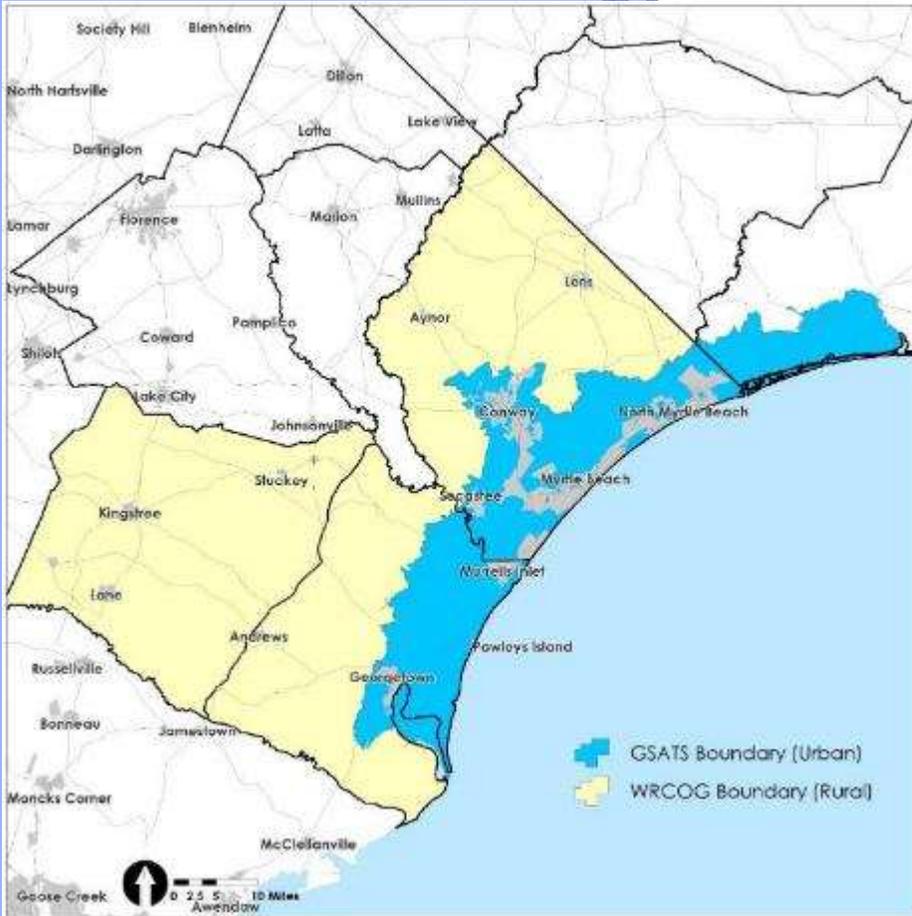
Land Development & Road Improvements

- Sidewalks required:
 - On major roads (new or ex.)
 - Near schools
 - To connect to existing facilities (bike / pedestrian)
 - In higher-density zoning districts (MRD)
- Sidewalks are not required:
 - On existing roads in rural areas w/ commercial development
 - On most new residential streets with direct access (driveways)
 - Sidewalks can be approved on any new road (if safe to do so)



Existing Plans

- 2040 Metropolitan Transportation Plan
- Rural Long Range Transportation Plan
- Northeast Area Transportation Plan
- Kings Highway Corridor Study
- East Coast Greenway Master Plan
- Horry County Bicycle & Pedestrian Plan (Carolina Forest and Burgess)
- Dirt Road Paving Plan



Transportation Improvement Programs

- State Transportation Improvement Programs
 - (SCDOT/NC DOT)
 - STIP (GSATS / SCDOT / NC DOT)
 - Rural area (COG)
- CTC (State gas tax funds)
- Local programs - \$50 road fee
- RIDE 2 / Ride 3 (Sales Tax)

Transportation Improvement Programs

Horry County CTC (State gas tax funds)

- Funds come from 2.66 cents per gallon of the state gas tax increasing to 3.99 per gallon by 2021
- About \$4.5 million in 2019
- Distributed to each of 46 counties based on population, land area, and rural road mileage.
- Committee appointed by the County's Legislative Delegation.

Transportation Improvement Programs

- GSATS MPO = Federal \$ for transportation projects
- Allocated by SCDOT based
 - Decennial Census Population
 - Vehicle Miles Traveled (VMT)
- TIP / STIP (GSATS / SCDOT / NCDOT)
 - (Approx. \$7M - \$8M / yr in SC)
 - Corridor & intersection improvements
 - Transportation Alternative (approx. \$300k per year)
 - East Coast Greenway
- Study Team and Policy Committee
- 2040 Metropolitan Transportation Plan (MTP)



<http://www.gsats.org>



www.gsats.org

**GSATS MPO Boundary –
Urbanized area from Georgetown, SC
to Shallote, NC**



GSATS
The Grand Strand Area Transportation Study

2040 Metropolitan Transportation Plan Update

FINAL

October 2017

GRAND STRAND AREA TRANSPORTATION STUDY
METROPOLITAN PLANNING ORGANIZATION

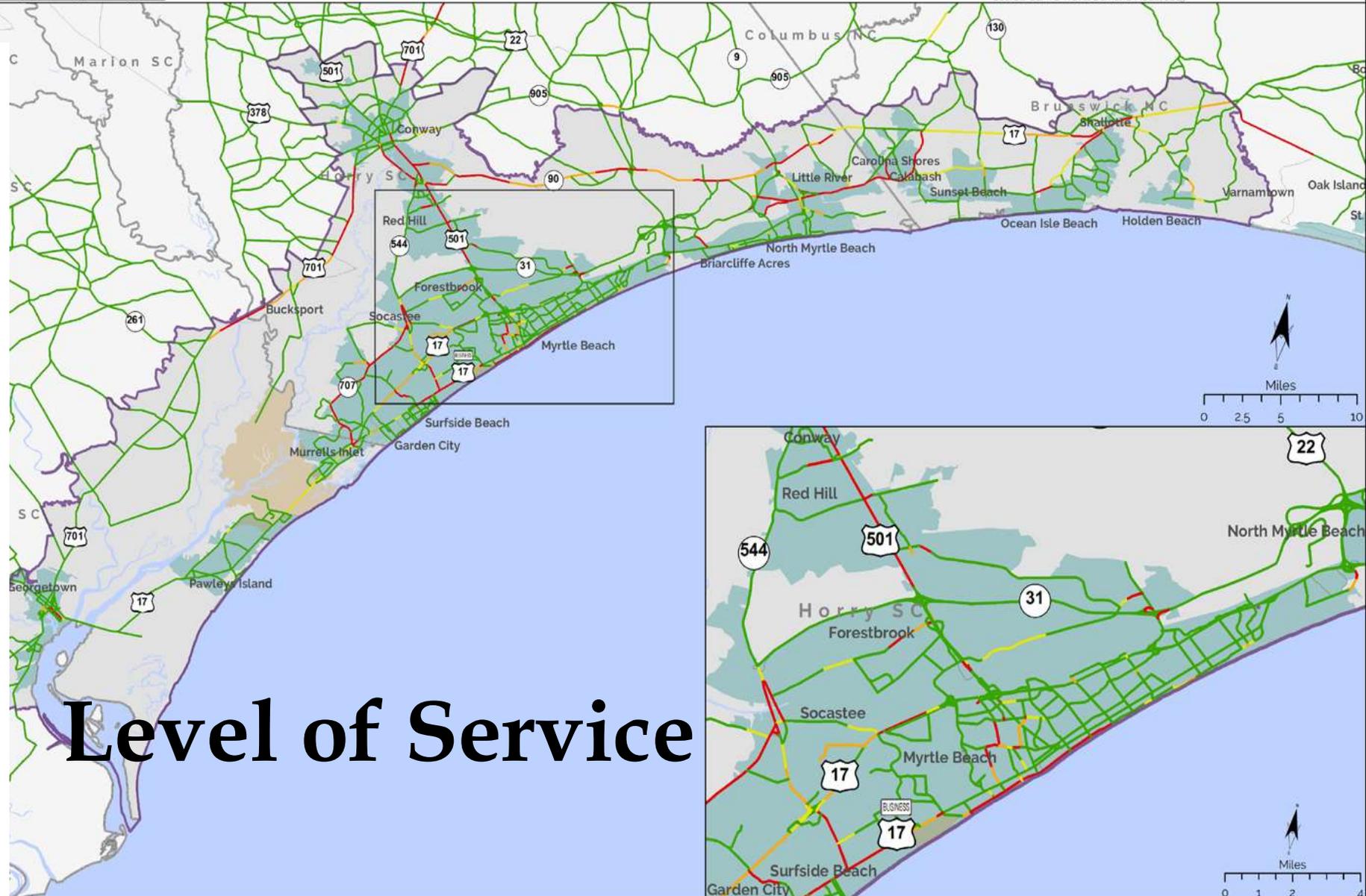
GSATS

The Grand Strand Area Transportation Study

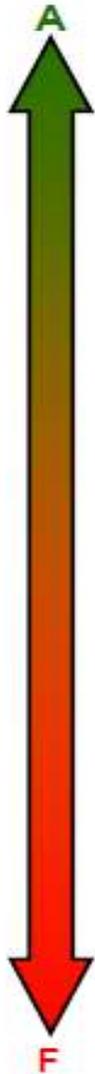


- Legend**
- GSATS Boundary
 - Urban Area
 - County Boundary
 - Hydrology
 - Park
 - Level of Service (A-Best, F-Worst)
 - A-C
 - D
 - E
 - F

Source: GSATS Travel Demand Model 2015



Level of Service



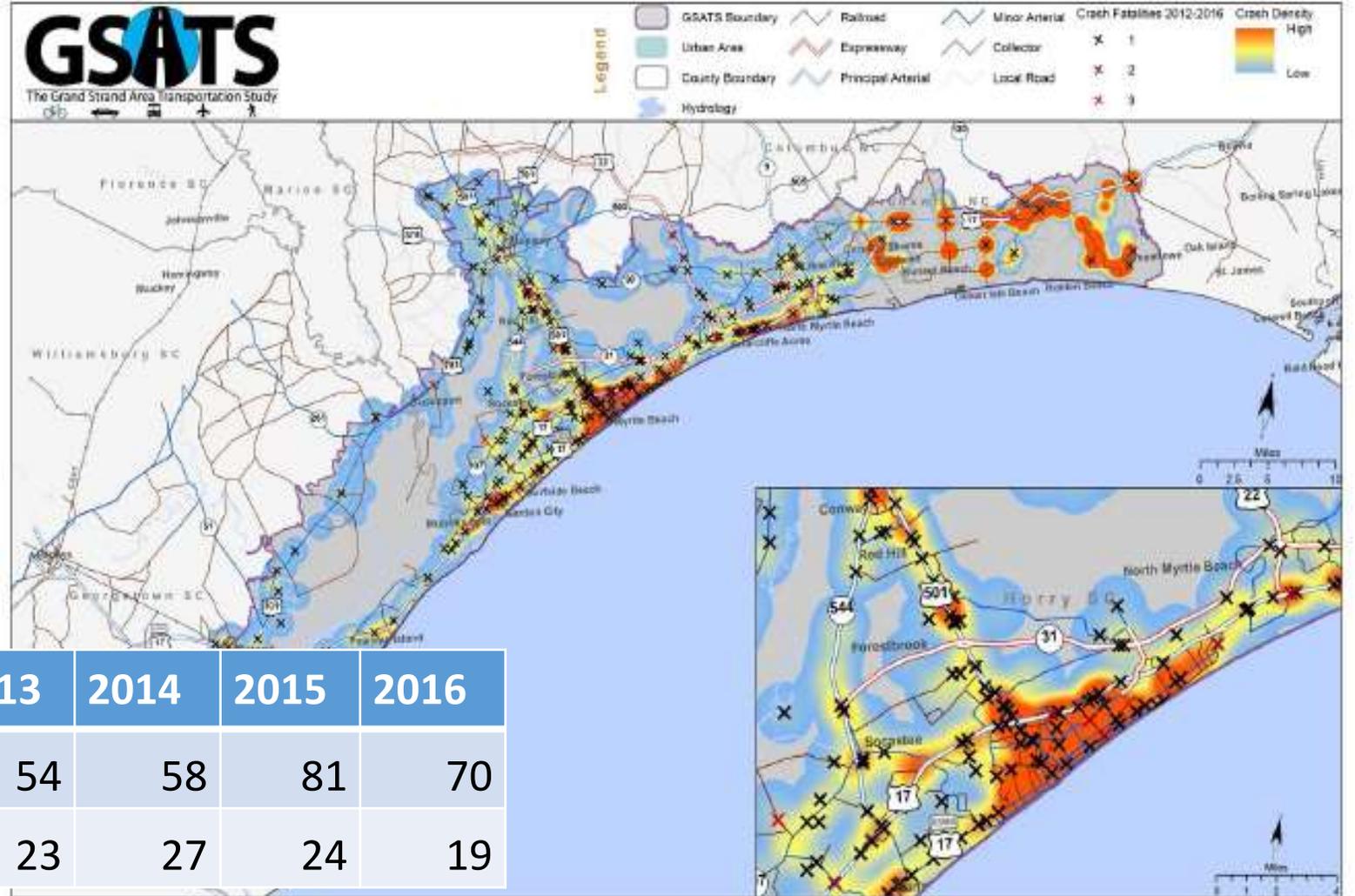
Origin-Destination



COLOR:
PMS 7480
MARSH GRASS
GREEN



Safety



Traffic Fatalities	2012	2013	2014	2015	2016
Horry County	51	54	58	81	70
Alcohol Related	21	23	27	24	19

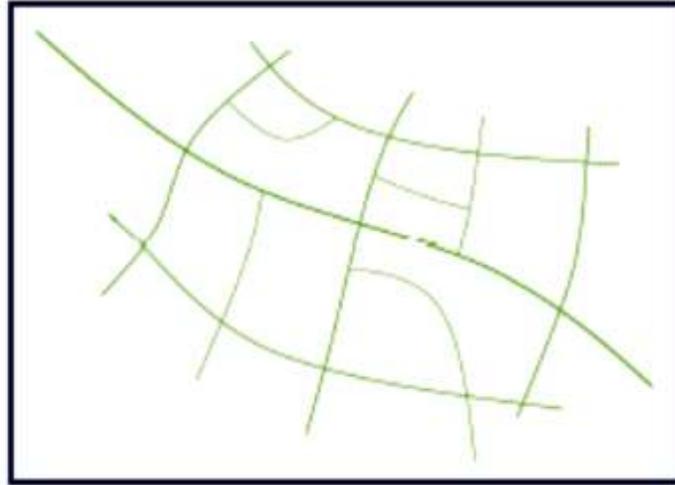
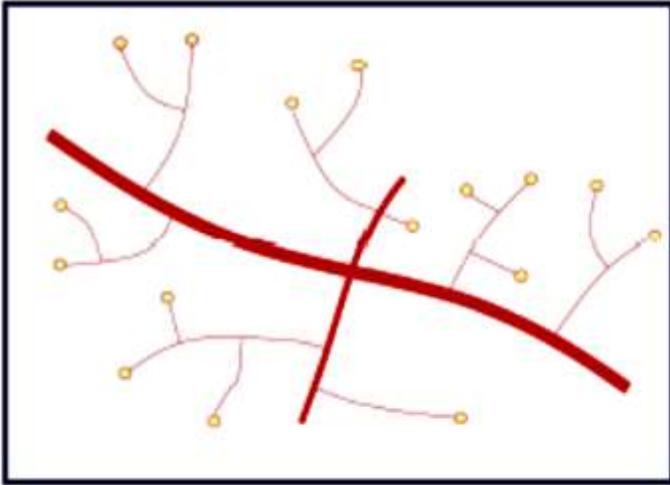
- Over last few years, Horry County has ranged from 1 - 4 in state for most number of fatalities. 36% are alcohol related.

Scoring Criteria

Table 3-1: GSATS Road Widening Projects Criteria

2040 Project Prioritization Criteria	Maximum Points	GSATS 2040 Goal Area
Traffic Volume and Congestion	30	<ul style="list-style-type: none"> • Congestion and Reliability
Public Safety	20	<ul style="list-style-type: none"> • Safety and Security
Livability	20	<ul style="list-style-type: none"> • Modal Choices and Balanced System • Economic Competitiveness • Coordinated Land Use and Transportation • Mobility and System Accessibility
Financial Viability and Maintenance Costs	10	<ul style="list-style-type: none"> • Infrastructure Preservation and Maintenance
Environmental Impact	10	<ul style="list-style-type: none"> • Environmental Stewardship
Functional Class (Truck Traffic)	5	<ul style="list-style-type: none"> • Congestion and Reliability
Consistence with Local Land Use Plans	5	<ul style="list-style-type: none"> • Coordinated Land Use and Transportation Planning
Alternative Transportation Solutions, Economic Development	Livability	<ul style="list-style-type: none"> • Modal Choices and Balanced System • Economic Competitiveness • Coordinated Land Use and Transportation Planning • Mobility and System Accessibility
Pavement Quality Index, Cost, and Reduction in Vehicle Miles Traveled	Considered when funding comes available	<ul style="list-style-type: none"> • Infrastructure Preservation and Maintenance • Congestion and Reliability

Complete Streets



- Regional Scale- Limited connectivity results in more congestion on arterial system.
- Neighborhood Scale – Access management and block standards can force people to have to use their cars for even short trips.

Images: Kimley-Horn and Associates

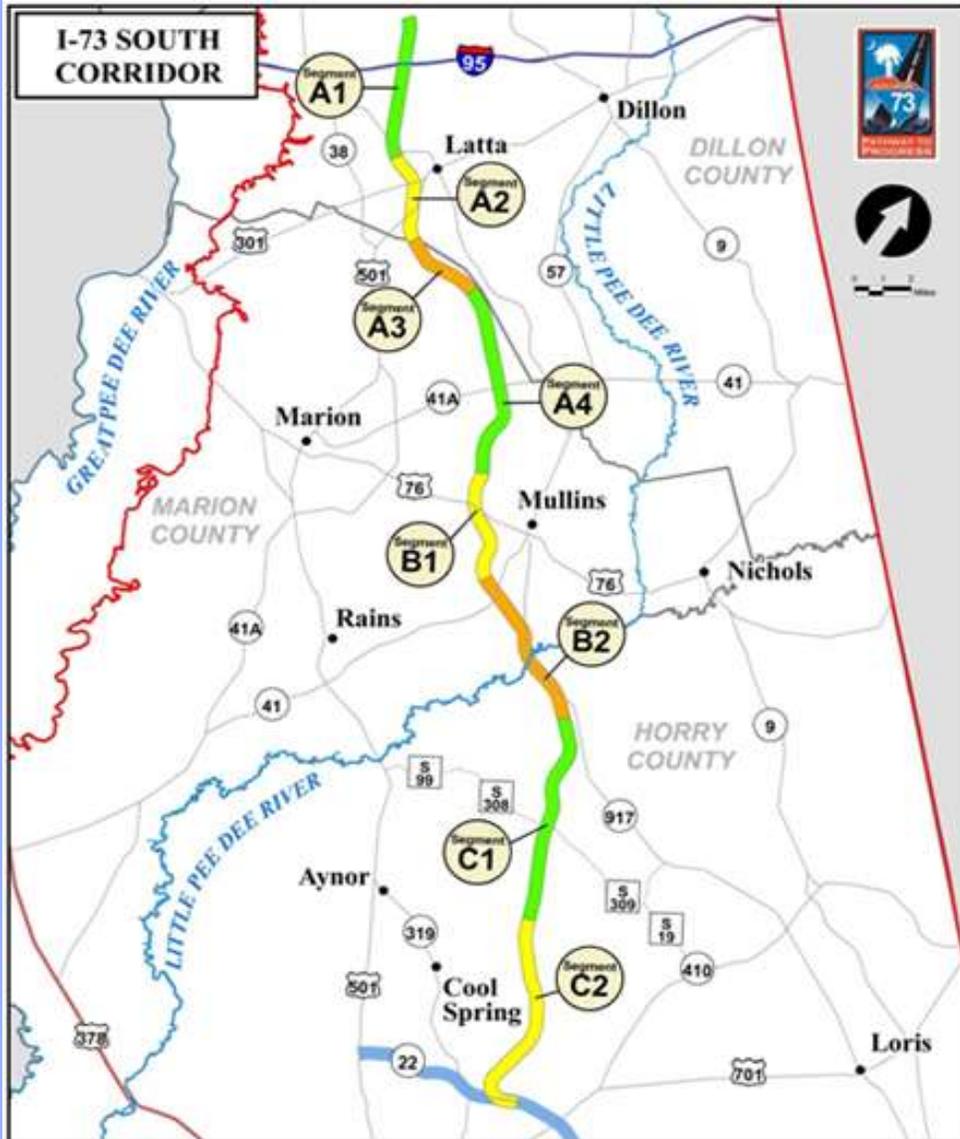
Multi-Modalism, Beautification and Gateway Signage



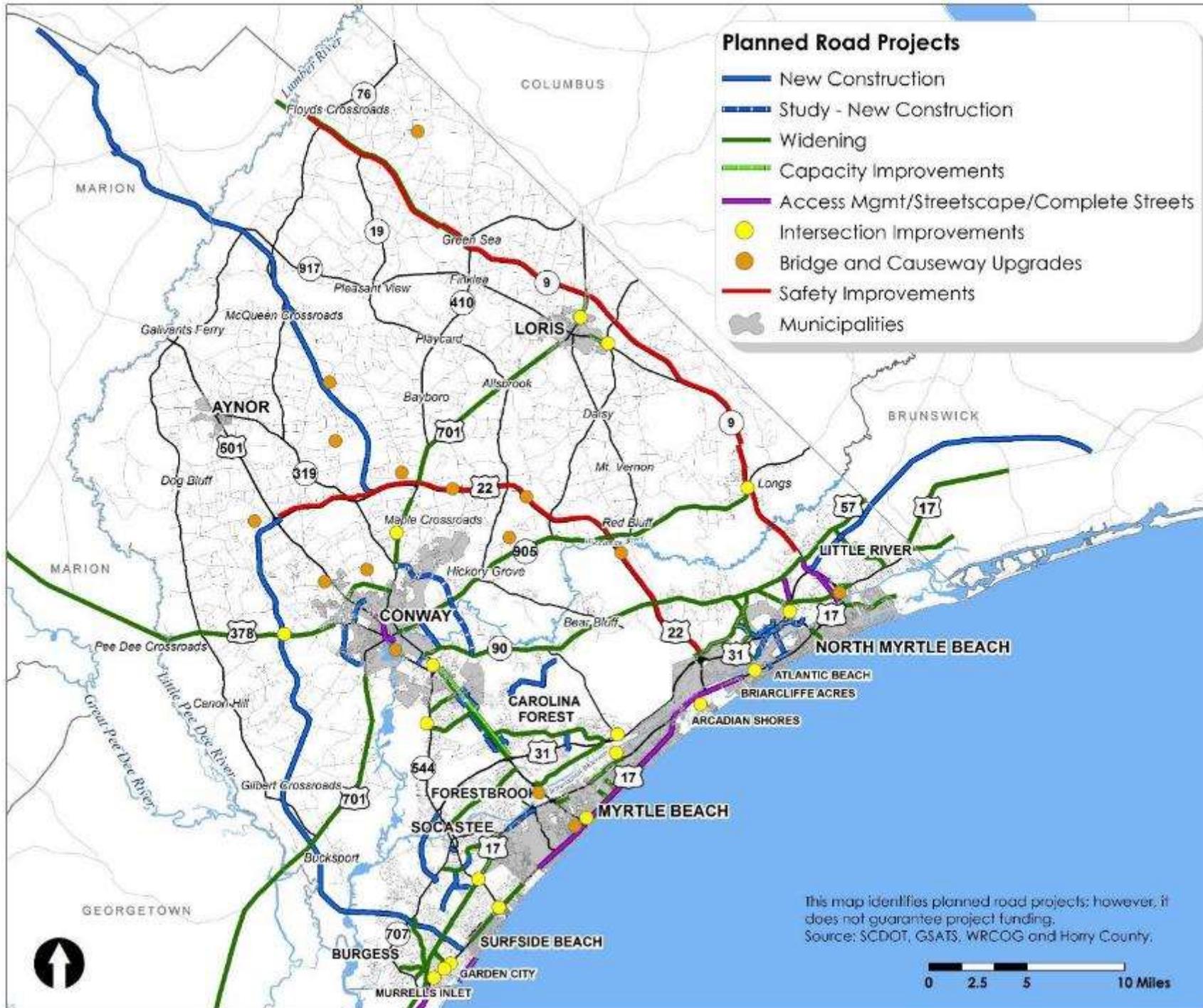
- Integration of Bicycle and Pedestrian Facilities and Public Transit is integral to Complete Streets
- Bicycle and Pedestrian Facilities can be incorporated into all road types.
- Road enhancements – including beautification, street trees, and gateway signage improve sense of place, BUT also trigger people to drive slower.



Major Planned Projects



- I-73 and I-74 Extensions
- Carolina Bays Parkway Extension
- Hwy 22 Extension also known as Southern Evacuation Lifeline (SELL)



Planned Road Projects

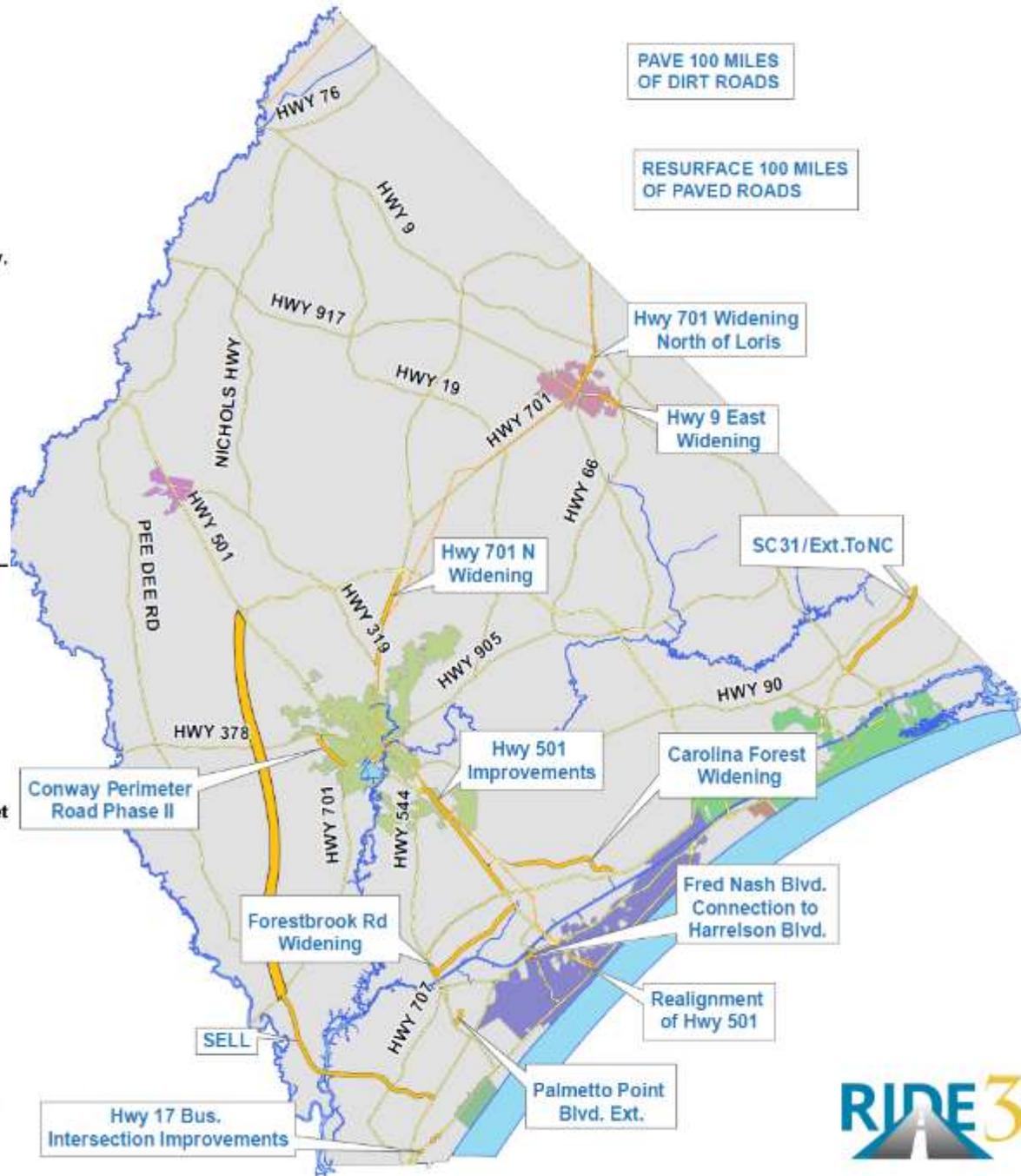
- New Construction
- - - Study - New Construction
- Widening
- - - Capacity Improvements
- Access Mgmt/Streetscape/Complete Streets
- Intersection Improvements
- Bridge and Causeway Upgrades
- Safety Improvements
- Municipalities

This map identifies planned road projects; however, it does not guarantee project funding. Source: SCDOT, GSATS, WRCOG and Horry County.





1. \$50,000,000 U.S. Hwy. 501 Corridor Improvements – SC Hwy. 31 to SC 544
2. \$15,000,000 Pave 25 miles County dirt roads*
3. \$54,700,000 Carolina Forest Boulevard Widening
4. \$ 7,500,000 Palmetto Pointe Blvd. Ext. to SC Hwy. 544
5. \$21,700,000 SC Hwy. 9 East Widening (Loris)
6. \$ 5,000,000 Resurface 33.13 miles of City roads
7. \$65,100,000 US Hwy. 701 N Widening (North Conway)
8. \$19,300,000 Fred Nash Blvd. connection to Harrelson Blvd. – Myrtle Beach
9. \$19,800,000 US Hwy. 17 Business Intersection Improvements - Garden City
10. \$89,100,000 Forestbrook Road Widening
11. \$15,000,000 Pave 25 miles County dirt roads*
12. \$ 5,000,000 Resurface 33 miles County roads
13. \$13,900,000 US Hwy. 501 Realignment from Broadway Street to 7th Avenue North
14. \$ 7,500,000 US Hwy. 701 Widening – North to Loris
15. \$18,400,000 Conway Perimeter Road Phase II
16. \$15,000,000 Pave 25 miles County dirt roads*
17. \$ 5,000,000 Resurface 33.87 miles County roads
18. \$25,000,000 Southern Evacuation Lifeline (SELL) – Environmental Studies and Right-of-Way
19. \$125,000,000 SC Hwy. 31 (Carolina Bays Parkway) Extension To SC/NC State line
20. \$15,000,000 Pave 25 miles County dirt roads*



PAVE 100 MILES OF DIRT ROADS

RESURFACE 100 MILES OF PAVED ROADS



US 501 CORRIDOR IMPROVEMENTS



LEGEND

- EXISTING PAVEMENT
- PROPOSED US 501 WIDENING
- EXISTING RIGHT OF WAY
- EXISTING EASEMENT
- PROPOSED EASEMENT / RIGHT OF WAY
- PROPOSED PAVEMENT
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- DITCH
- REMOVE EXISTING PAVEMENT
- EXISTING LANDSCAPED MEDIAN
- PROPERTY LINE
- PROPOSED GUARDRAIL

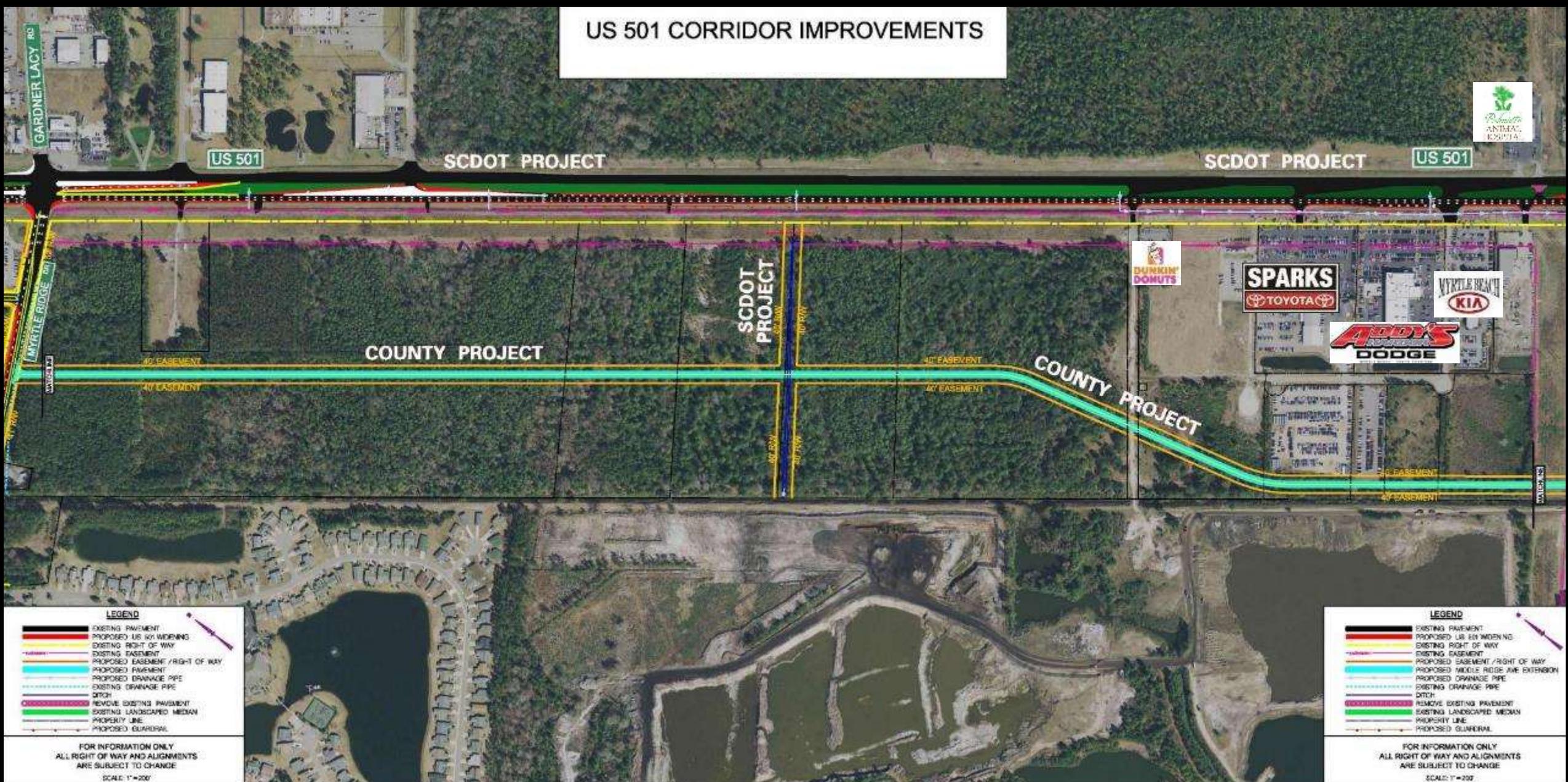
FOR INFORMATION ONLY
ALL RIGHT OF WAY AND ALIGNMENTS
ARE SUBJECT TO CHANGE
SCALE: 1" = 200'

LEGEND

- EXISTING PAVEMENT
- PROPOSED US 501 WIDENING
- EXISTING RIGHT OF WAY
- EXISTING EASEMENT
- PROPOSED EASEMENT / RIGHT OF WAY
- PROPOSED MIDDLE RIDGE AVE EXTENSION
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- DITCH
- REMOVE EXISTING PAVEMENT
- EXISTING LANDSCAPED MEDIAN
- PROPERTY LINE
- PROPOSED GUARDRAIL

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US 501 CORRIDOR IMPROVEMENTS



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED US HWY WIDENING
 - EXISTING RIGHT OF WAY
 - EXISTING EASEMENT
 - PROPOSED EASEMENT / RIGHT OF WAY
 - PROPOSED PAVEMENT
 - PROPOSED DRAINAGE PIPE
 - EXISTING DRAINAGE PIPE
 - DITCH
 - REMOVE EXISTING PAVEMENT
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- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED US HWY WIDENING
 - EXISTING RIGHT OF WAY
 - EXISTING EASEMENT
 - PROPOSED EASEMENT / RIGHT OF WAY
 - PROPOSED MIDDLE RIDGE AVE EXTENSION
 - PROPOSED DRAINAGE PIPE
 - EXISTING DRAINAGE PIPE
 - DITCH
 - REMOVE EXISTING PAVEMENT
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ARE SUBJECT TO CHANGE
SCALE: 1"=200'



US 501

SCDOT PROJECT



US 501 CORRIDOR IMPROVEMENTS

Tanger
Outlets

FACTORY STORES BLVD

SCDOT PROJECT

WACCAMAW PINES DR

US 501



WEST PERRY RD



LEGENDS RD



GREENLEAF CRT

COUNTY PROJECT

LEGEND

- EXISTING PAVEMENT
- PROPOSED US 501 WIDENING
- EXISTING RIGHT OF WAY
- EXISTING EASEMENT
- PROPOSED EASEMENT / RIGHT OF WAY
- PROPOSED PAVEMENT
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- DITCH
- REMOVE EXISTING PAVEMENT
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- PROPERTY LINE
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LEGEND

- EXISTING PAVEMENT
- PROPOSED US 501 WIDENING
- EXISTING RIGHT OF WAY
- EXISTING EASEMENT
- PROPOSED EASEMENT / RIGHT OF WAY
- PROPOSED MIDDLE ROSE AVE EXTENSION
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- DITCH
- REMOVE EXISTING PAVEMENT
- EXISTING LANDSCAPED MEDIAN
- PROPERTY LINE
- PROPOSED GUARDRAIL

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ARE SUBJECT TO CHANGE

SCALE: 1"=200'

US 501 CORRIDOR IMPROVEMENTS



Sandhills Bank



POSTAL WAY

COUNTY PROJECT



COUNTY PROJECT

POSTAL WAY

Tanger Outlets

WACCAMAW PINES DR

LEGEND

	EXISTING PAVEMENT
	PROPOSED US 501 WIDENING
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	PROPOSED EASEMENT / RIGHT OF WAY
	PROPOSED PAVEMENT
	PROPOSED DRAINAGE PIPE
	EXISTING DRAINAGE PIPE
	DITCH
	REMOVE EXISTING PAVEMENT
	EXISTING LANDSCAPED MEDIAN
	PROPERTY LINE
	PROPOSED GUARDRAIL

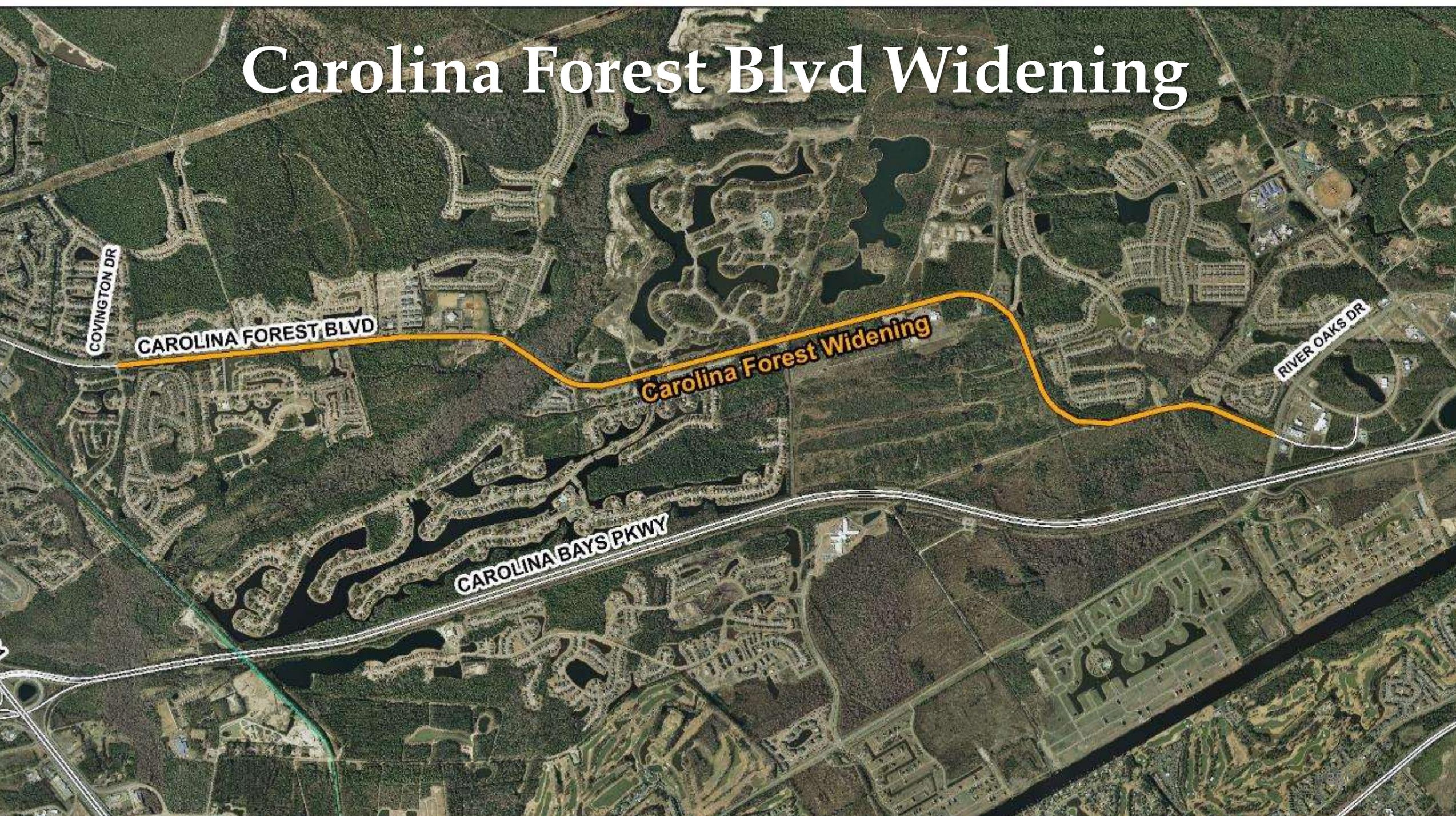
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LEGEND

	EXISTING PAVEMENT
	PROPOSED US 501 WIDENING
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	PROPOSED EASEMENT / RIGHT OF WAY
	PROPOSED PAVEMENT
	PROPOSED DRAINAGE PIPE
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SCALE: 1"=200'

Carolina Forest Blvd Widening



COVINGTON DR

CAROLINA FOREST BLVD

Carolina Forest Widening

CAROLINA BAYS PKWY

RIVER OAKS DR

SC Hwy. 9 East Widening (Loris)

Hwy 9 East Widening

E HWY 9 BUS

HWY 66

Hwy 9 East Widenin



Hwy 701 N. Widening

HWY 22

US Hwy. 701 N Widening (North Conway)

HWY 701 N

HWY 319

Hwy 701 N. Widening





Hwy 701 Widening - North of Loris

N HWY 701

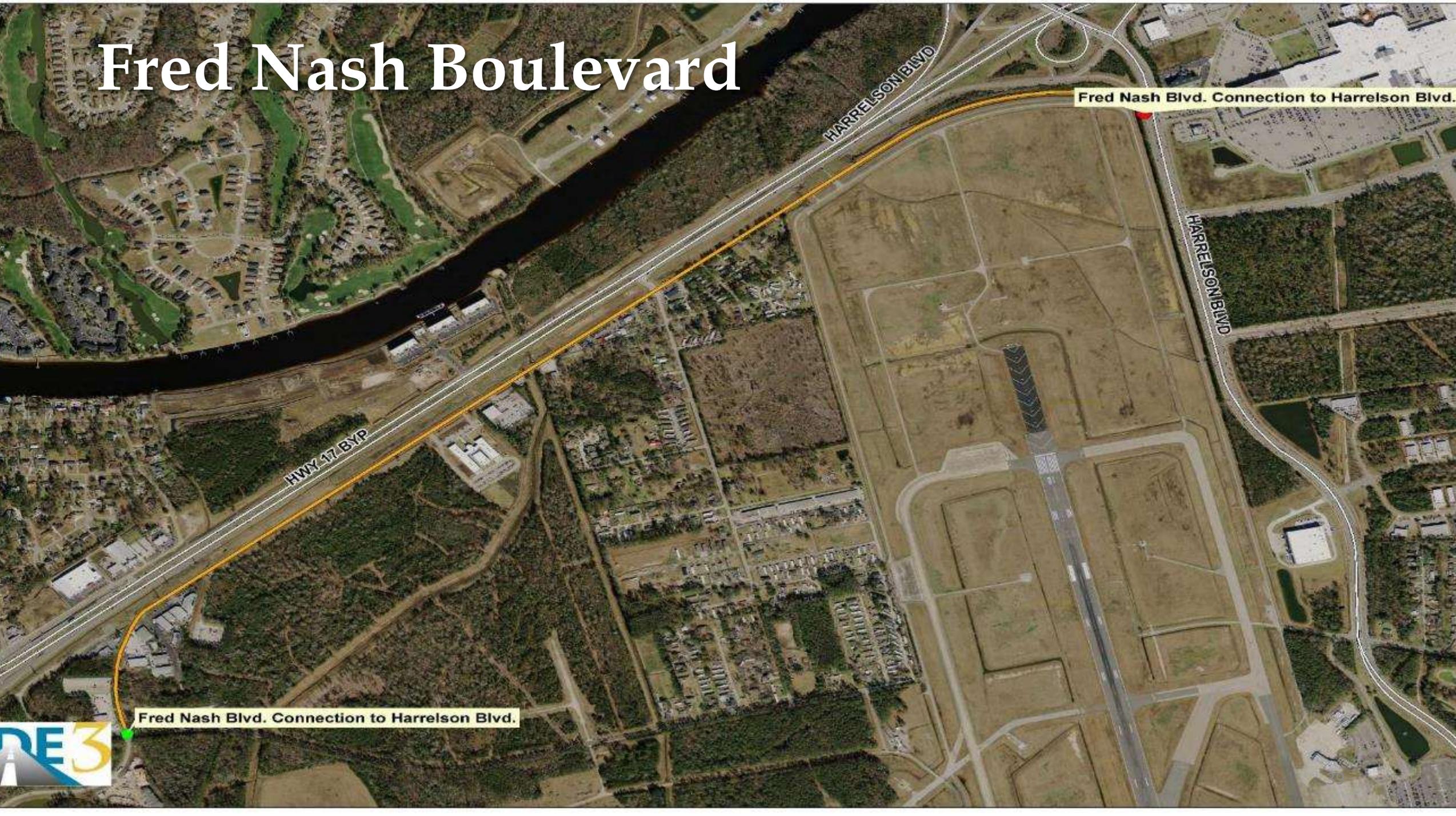
Hwy 9

Hwy 701 Widening - North of Loris

US Hwy. 701 Widening - North of Loris



Fred Nash Boulevard



Fred Nash Blvd. Connection to Harrelson Blvd.

HWY 17 BYP

HARRELSON BLVD

HARRELSON BLVD

Fred Nash Blvd. Connection to Harrelson Blvd.



US Hwy. 17 Bus. Intersection Improvements

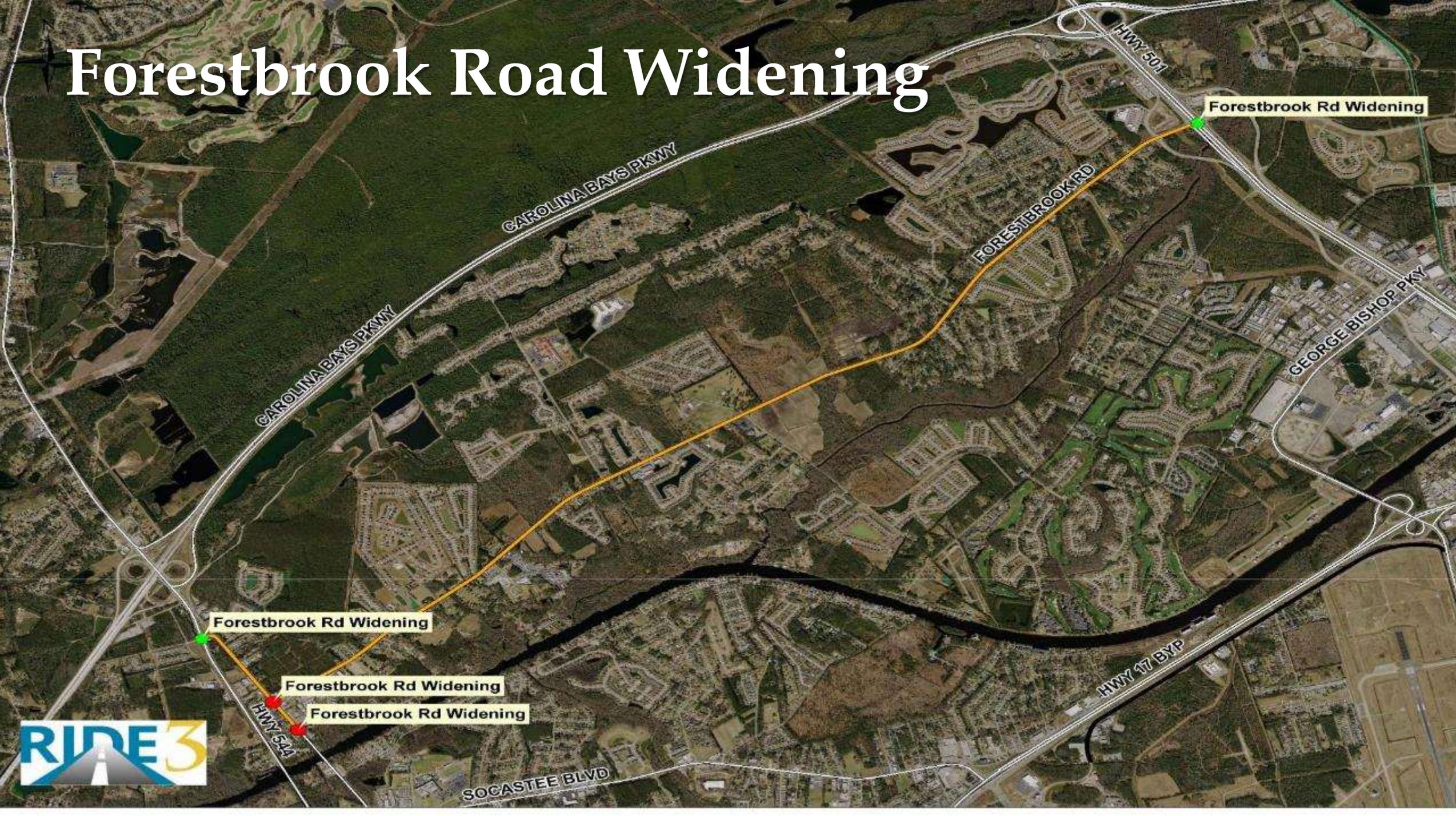
Hwy 17 Bus. Intersection Improvements

Hwy 17 Bus. Intersection Improvements

HWY 17



Forestbrook Road Widening



Forestbrook Rd Widening

Forestbrook Rd Widening

Forestbrook Rd Widening

Forestbrook Rd Widening



CAROLINA BAYS PKWY

FORESTBROOK RD

HWY 501

GEORGE BISHOP PKY

HWY 47 BYP

HWY 544

SOCASTEE BLVD



HWY 501

Realignment of Hwy 501

Realignment of Hwy 501

N KINGS HWY



US Hwy. 501 Realignment

HWY 378

Conway Perimeter Rd Phase 2

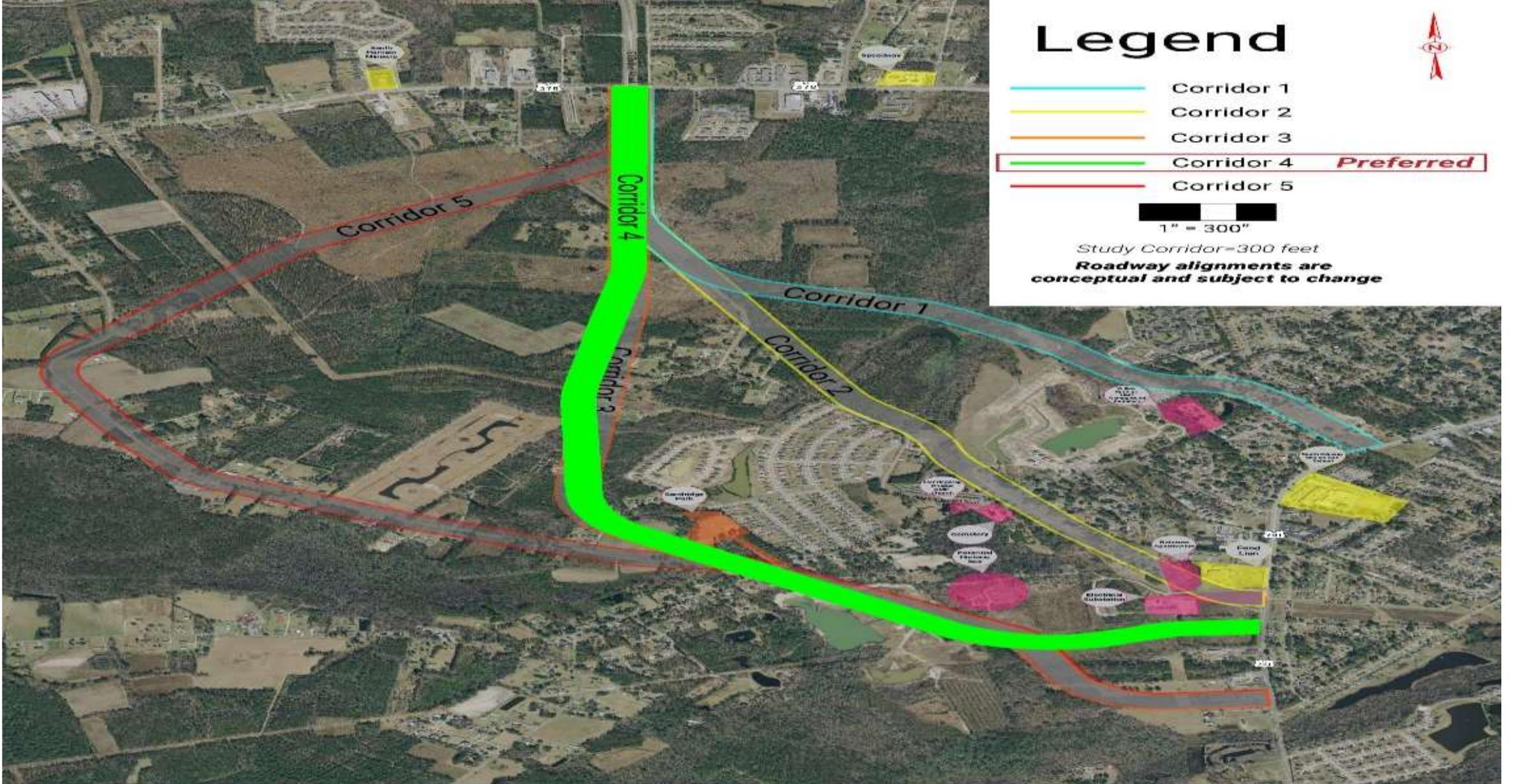
WRIGHT BLVD

SHWY 701

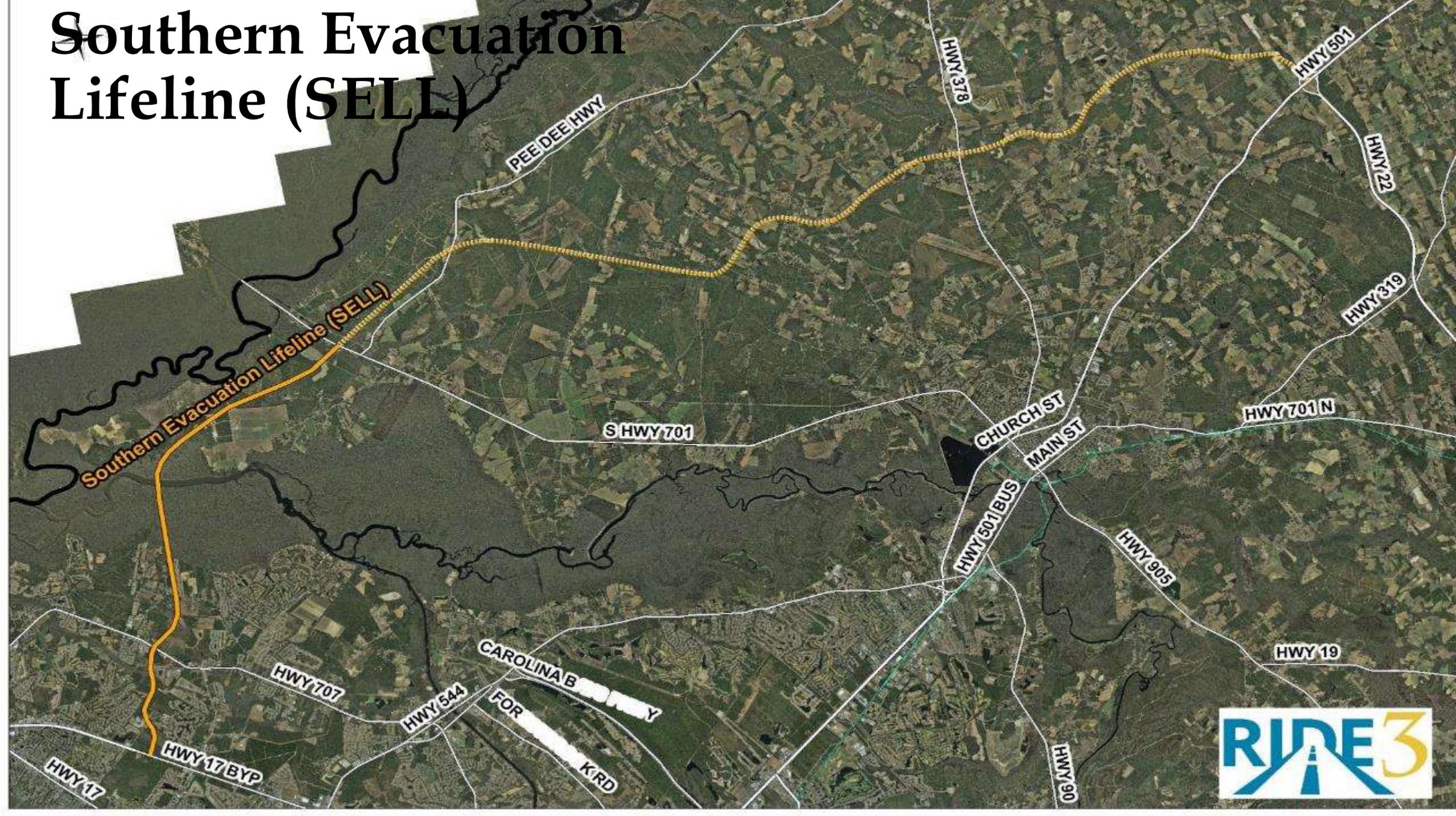
Conway Perimeter Rd Phase 2

Conway Perimeter Road Phase II





Southern Evacuation Lifeline (SELL)



Southern Evacuation Lifeline (SELL)

PEE DEE HWY

HWY 378

HWY 501

HWY 22

HWY 319

S HWY 701

CHURCH ST

MAIN ST

HWY 701 N

HWY 501 BUS

HWY 905

HWY 19

HWY 707

HWY 544

CAROLINA B
FOR KRD

HWY 17 BYP

HWY 17

HWY 90



SC Hwy. 31 Extension to NC



SC 31/ CBP Ext. to NC

N HWY 57

HWY 9

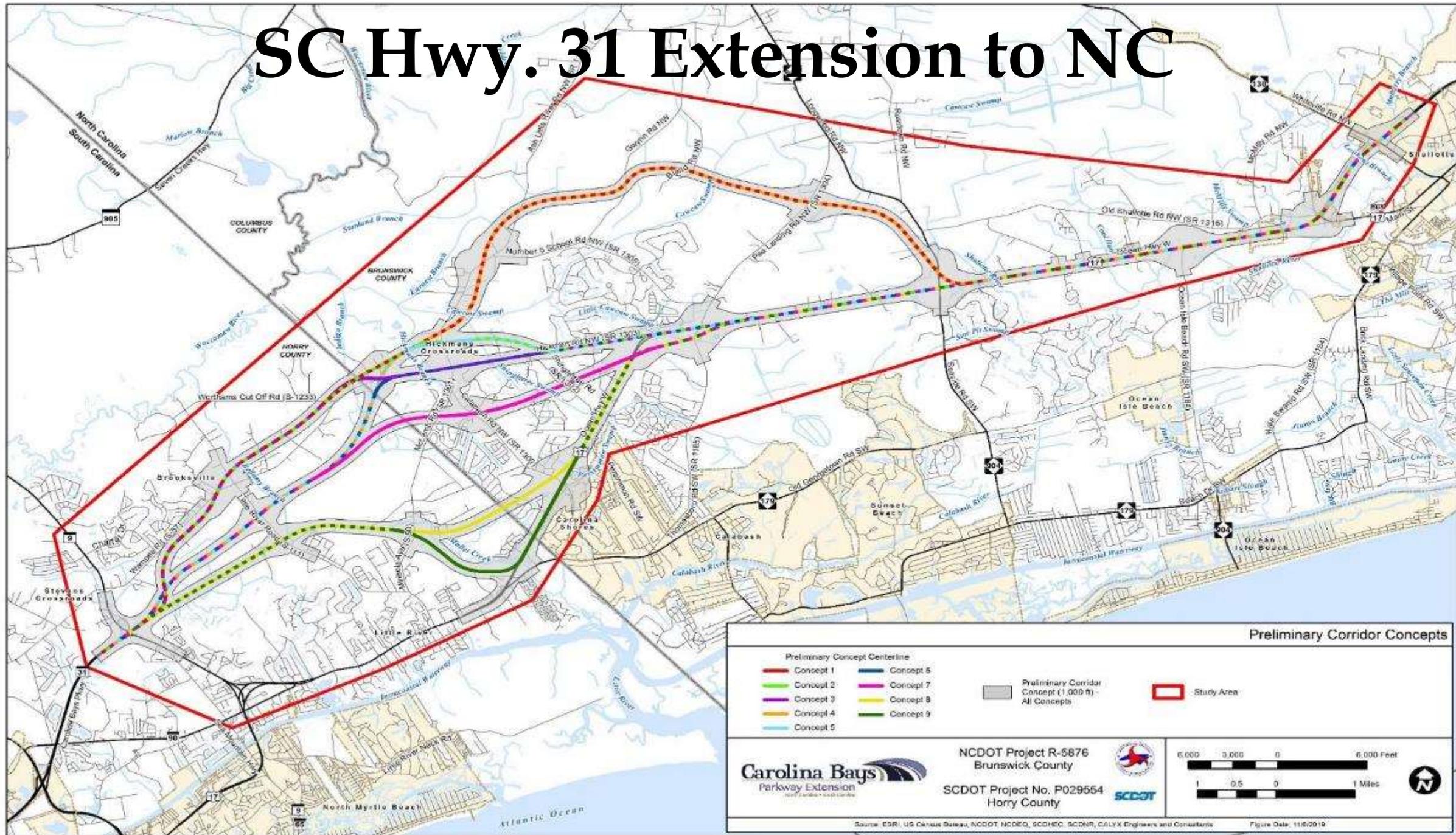
S HWY 57

SC 31/ CBP Ext. to NC

HWY 17 S



SC Hwy. 31 Extension to NC



Municipality Resurfacing



Palmetto Pointe Boulevard Extension



Proposed Wetland Mitigation Bank

HORRY COUNTY
SOLID WASTE
AUTHORITY

RIVERSTONE TRACT
PROPOSED INDEPENDENT REPUBLIC
HERITAGE PRESERVE
MITIGATION BANK

(3686.93 Acres)

SC DNR HERITAGE PRESERVE

COTTONPATCH

GARDNER LAGY RD

HWY 90

HWY 22

INTERNATIONAL DR

CAROLINA FOREST BLVD

CAROLINA BAYS PKWY

Intracoastal Waterway

Atlantic Ocean



Stay Informed

Learn more about Ride 3:

<https://www.horrycounty.org/Ride3>

Follow the status of projects:

<https://www.horrycounty.org/Online-Services/RIDE3>

SCDOT project status:

<https://www.scdot.org/projects/current-projects.aspx>



Jason Thompson, P.E.

Ride 3 Project Manager

(843) 915-5160

Ride3Info@horrycounty.org



Capital Improvements Implementation

David Schwerd, Planning Director

Horry County
Citizen Planning Academy
December 12, 2019

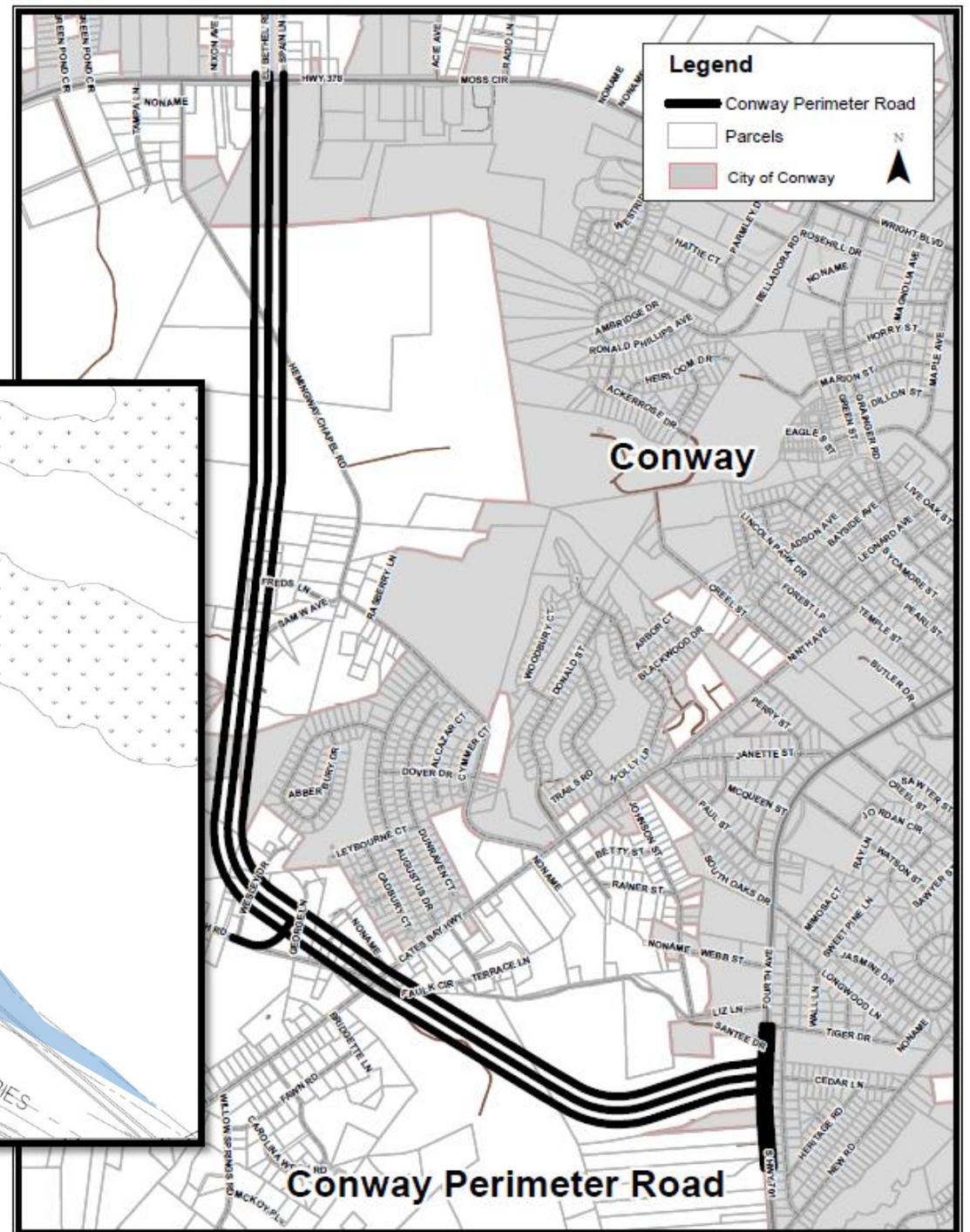
540 Review

- No new street, structure, utility, square, park or other public way, grounds, open space or public buildings for any use, whether publicly or privately owned, may be constructed or authorized until the location, character and extent of such activities have been submitted to the local planning commission. S.C. Code § 6-29-540.
- Telephone, sewer and gas utilities, or electric suppliers, utilities and providers, whether publicly or privately owned, are exempt from this provision if plans have been approved by the local governing body or a state or federal regulatory agency.

Official Map

- Adopted map(s) showing the location of existing or proposed public streets, highways and public utility rights of way, public building sites and public open spaces.
- Surveys required with the exact location of the boundary lines for the new and enlarged sites for public uses.
- Gives local government an opportunity to acquire property needed for public purposes before the owner changes use of the land or develops it.

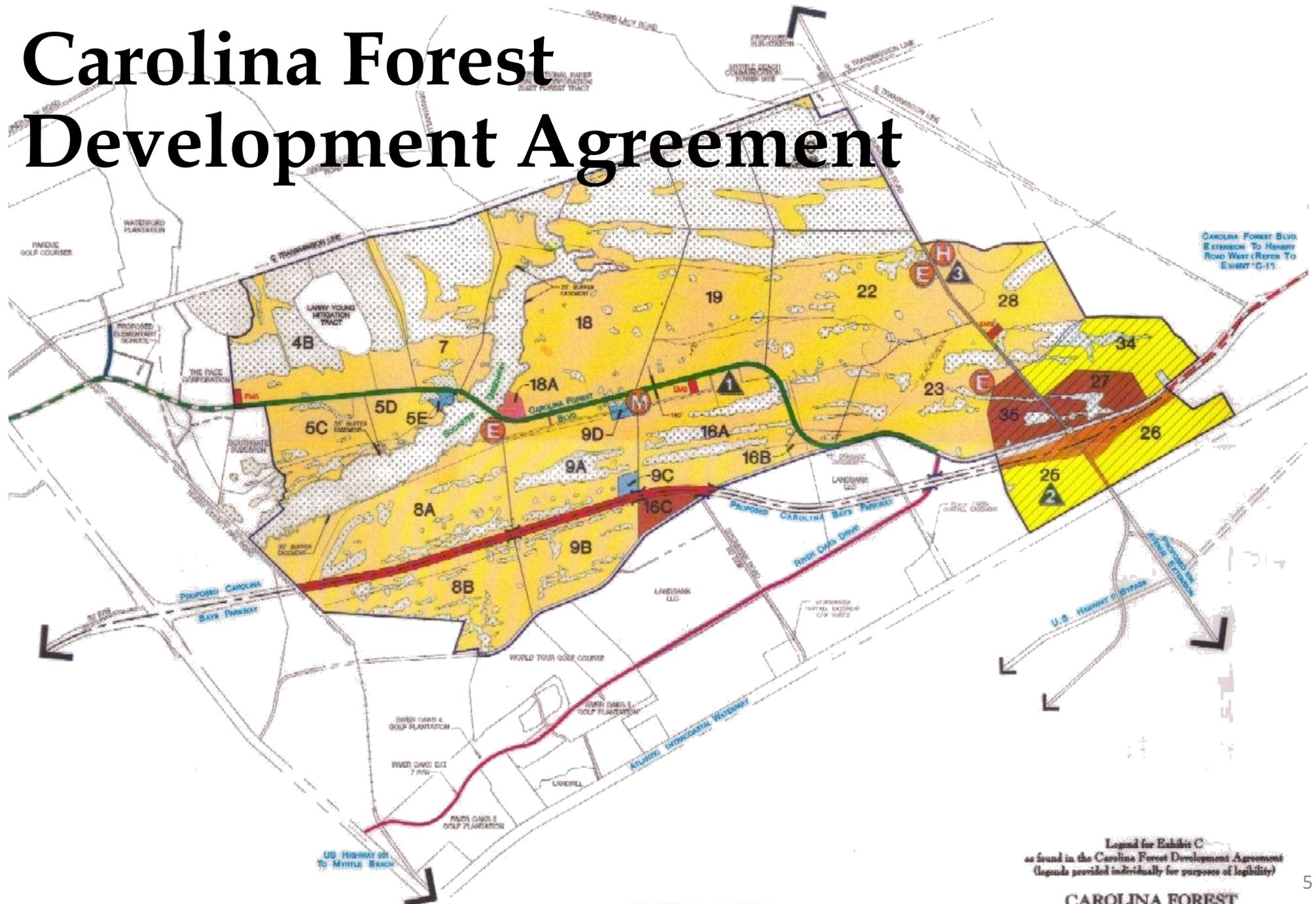
Official Map



Development Agreements

- Fee for proportionate share of the cost of the improvements needed to serve the new development.
- May require affordable housing, design standards, and on and off-site infrastructure and other improvements in return for the vesting of development rights.
- Locks in regulations at time of adoption.
- Minimum of 25 acres of highland.
- Length of time varies from 5 years to 20 years depending on size of project.
- Must be consistent with Comprehensive Plan and Land Development Regulations.
- Requires 2 public hearings and adoption by ordinance.

Carolina Forest Development Agreement



Legend for Exhibit C
as found in the Carolina Forest Development Agreement
(legends provided individually for purposes of legibility)

CAROLINA FOREST
Permitted Land Uses by Parcel

GENERAL NOTES:

Multi-County Business Park

- Written agreement between counties on the development of a business/industrial park to:
 - Address sharing of expenses;
 - Specify by percentage the revenue allocated to each county; and
 - Specify the manner in which revenue must be distributed to each county.
- Examples:
 - Burroughs and Chapin Multi-County Business Park (including Cool Springs Business Park)
 - Bucksport Marine Industrial Park
 - ITAP

Special Tax Districts

- Capital improvements and/or operations for a defined area.
- Requires an elected board
- Examples:
 - Socastee Recreation District (dissolved)
 - Hidden Woods Tax District (dissolved)
 - Arcadian Shores
 - Mt. Gilead Road Maintenance

Impact Fees

- One-time payment for growth-related infrastructure, usually collected at the time building permits are issued
- Can't be used for operations, maintenance, replacement, or other existing deficiencies.
- Horry County Infrastructure Study Categories:
 - Parks and Recreation
 - Public Safety: Fire and EMS
 - Public Safety: Police
 - Public Safety: Emergency Operations Center
 - Transportation

Maximum Supportable Impact Fees

Development Type	Demand Unit	Parks & Recreation	PUBLIC SAFETY			Transportation	Maximum Supportable Development Impact Fee
			Public Safety: Police	Public Safety: Fire/EMS	Public Safety: Emergency Operations Center (EOC)		
Residential (per Demand Unit)							
Single Family	DU	\$814	\$76	\$524	\$38	\$3,113	\$4,565
Multifamily	DU	\$679	\$63	\$437	\$31	\$1,836	\$3,046
Nonresidential (per Demand Unit)							
Retail	1,000 Sq. Ft.	n/a	\$187	\$2,035	\$183	\$5,034	\$7,439
Office	1,000 Sq. Ft.	n/a	\$73	\$795	\$71	\$1,918	\$2,857
Industrial	1,000 Sq. Ft.	n/a	\$30	\$322	\$29	\$774	\$1,155
Institutional	1,000 Sq. Ft.	n/a	\$146	\$1,594	\$143	\$3,845	\$5,728
Lodging	Room	\$135	\$63	\$683	\$61	\$1,645	\$2,587

Source: Capital Improvement Plan and Development Impact Fee Study (Draft), TischlerBise, 2019

Parks and Rec Impact Fee Projects

• Aynor Recreation Center	\$12,000,000	FY2021-FY2024
• Loris Recreation Center	\$12,000,000	FY2021-FY2024
• Carolina Forest Fields	\$2,350,000	FY2025-FY2027
• South Strand Rec Auxiliary Gym	\$3,500,000	FY2027-FY2029
• Green Sea Ballfields Lighting	\$875,000	FY2022
• Michael Morris Graham Lighting	\$875,000	FY2022
• Pee Dee Park Lighting	\$875,000	FY2023
• McNeil Park Lighting	\$525,000	FY2023
• Waccamaw Park Lighting	\$525,000	FY2024

Parks and Rec Impact Fee Projects

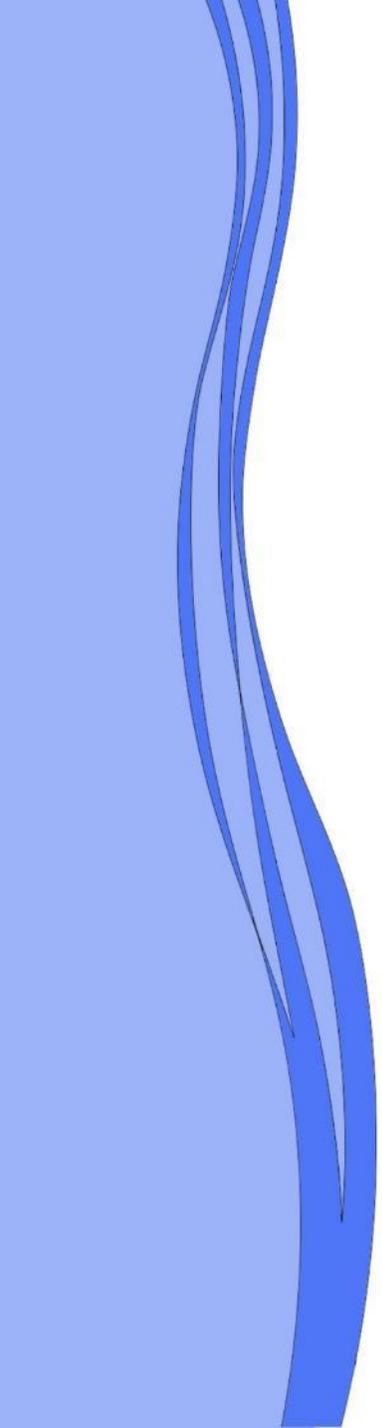
• Lewis Ocean Bay Trail	\$750,000	FY2024
• River Oaks Park	\$1,000,000	FY2025-FY 2028
• Forestbrook Park	\$1,500,000	FY2021-FY 2029
• Little River Waterfront	\$1,655,000	FY2021-FY 2026
• Garden City Beach Parking	\$1,200,000	FY2022-FY 2024
• Greenwood Park	\$1,960,000	FY2030
• District 7 Landing Upgrades	\$700,000	FY2028-FY 2029

Transportation Impact Fee Projects

- Augusta Plantation Interchange \$70,000,000 FY2021- FY 2025
- Hwy 90 (Design/Elevate portion) \$22,000,000 FY2022- FY 2030
- Middle Ridge Extension (Legends)\$15,000,000 FY2028- FY 2030
- Tournament Blvd \$15,000,000 FY2027- FY 2029
- Hwy 90 (Edge Pkwy-Joseph) \$10,000,000 FY2021- FY 2023
- Hwy 111& Hwy 50 \$5,000,000 FY2021- FY 2023
- Hwy 319 & Four Mile \$5,000,000 FY2024- FY 2026
- Hwy 319 & Harris Shortcut \$5,000,000 FY2024- FY 2026
- Hwy 378 & Pee Dee Hwy \$5,000,000 FY2021- FY 2023
- Hwy 90 & Bear Bluff \$5,000,000 FY2024- FY 2025
- McCormick & Burcale \$5,000,000 FY2023- FY 2025

Other Impact Fee Projects

- Fire Stations/ Apparatus
- 5th Police Precinct
- Emergency Operations Center
- Expansion of Animal Care Center



Next Class – January 9th

- Smart Growth
- Infill Development and Redevelopment
- Complete Streets
- Community Planning Simulation Game