

Cape Fear RPO

Brunswick County ❖ Columbus County ❖ Pender County

RURAL TRANSPORTATION COORDINATING COMMITTEE

FEBRUARY 2, 2022



Roll Call

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

Agenda Review

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

RTCC Meeting Minutes

Review of the November 3, 2021 minutes

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

Public Comment Period

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------



NORTH CAROLINA Department of Transportation



Brunswick County Comprehensive Transportation Plan (CTP)

Cape Fear RPO – Patrick Flanagan

February 2, 2022

Brunswick County to Adopt CTP

Comprehensive Transportation Plan

Long-Range Planning



Local Needs



Multimodal Maps



Not Fiscally Constrained



Time-Frame



Participation



Deficiencies and Improvements



Facilitates Local Governments with Transportation Planning



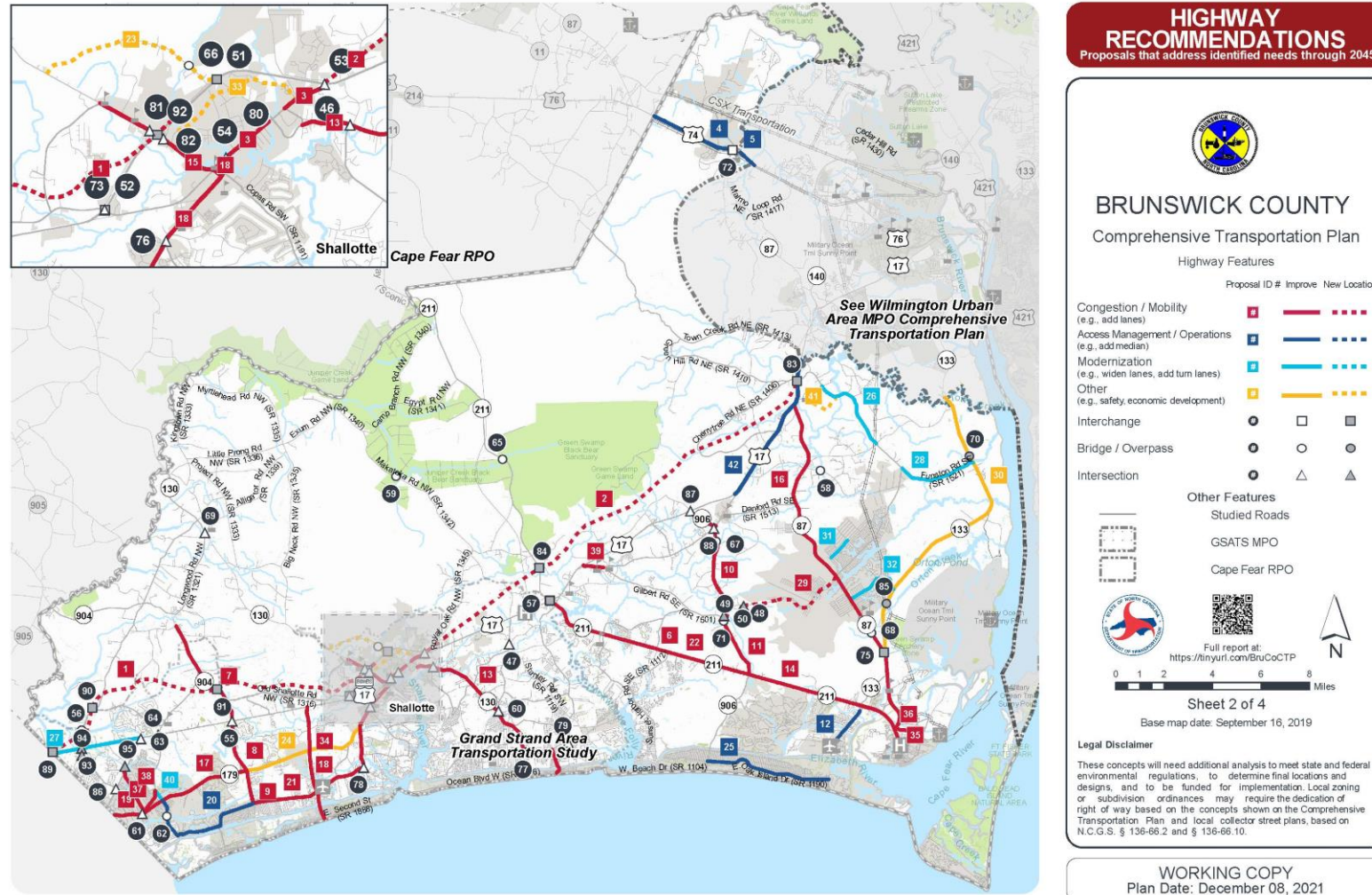
Recommendations are CONCEPTS



Status of Brunswick County CTP

- ✦ Review of Core Content Package
- ✦ Public Involvement
- ✦ Brunswick County Survey
- ✦ [Link to CTP site](#)
- ✦ Adoptions

Review of Brunswick County CTP






Review of Brunswick County CTP

BRUNSWICK COUNTY COMPREHENSIVE TRANSPORTATION PLAN

December 2021



Brunswick County Highway Recommendations

- 1 Carolina Bays Parkway Extension , R-5876:**
From South Carolina State Line to US 17 at NC 130 | 15.47 miles
The project proposal is to construct a new 6 lane freeway extending from the Carolina Bays Parkway to the US 17 Shallotte Bypass.
- 2 I-140 Connector:**
From US 17 at US 17 BUS to US 17 North of NC 87 | 19.39 miles
This is a new location project identified as a congestion and mobility project. The facility type recommendation is for a future freeway with a cross section of 6A.
- 3 US 17 BUS:** 
From NC 130 Whiteville Rd to US 17 | 1.7 miles
This is a congestion and mobility project. Currently the roadway is a 3 lane roadway with turning lane. Portions of the roadway is an 11 foot lane and some portions are 12 foot lanes. There are no shoulders on this roadway. The recommendation is to bring the roadway to cross section 4D standards.
- 4 US 74-76 , R-4462:**
From Brunswick County line to NC 87 (Maco Rd) | 7.12 miles
The project proposal is to upgrade the 4-lane divided roadway to interstate standards with 12- foot lanes and 4 feet of paved shoulder.
- 5 US 74-76 , R-4462:**
From NC 87 (Maco Rd) to SR 1426 (Mount Misery Rd) | 1.66 miles
The project proposal is to upgrade the 4-lane divided roadway to interstate standards with 12-foot lanes and 4 feet of paved shoulders.
- 6 NC 211 :**  
From US 17 to SR 1112 (Sunset Harbor Rd) | 5.55 miles
The project proposal is to widen NC 211 from US 17 in Supply to SR 1112(Sunset Harbor Rd). This recommendation will improve traffic safety and operation of NC 211 by widening the existing 2-lane section to 4 lanes.

Highway Class: ■ Congestion ■ Access Management ■ Modernization ■ Other (Safety, etc.) ● Bridge/Intersection

HIGHWAY RECOMMENDATIONS

PAGE 1



Review of Brunswick County CTP

NC 211

From US 17 to SR 1112 (Sunset Harbor Rd)

Local ID: H090806-A

Purpose: Mobility


Improvement: Widening

Identified Need

NC 211 is experiencing tremendous growth and is projected to exceed capacity from US 17 to Sunset Harbor Rd. This project proposal is a regional impact project that assists with improving mobility and safety, including hurricane and nuclear plant evacuation, and reducing congestion.

Recommendation

The project proposal is to widen NC 211 from US 17 in Supply to SR 1112(Sunset Harbor Rd). This recommendation will improve traffic safety and operation of NC 211 by widening the existing 2-lane section to 4 lanes.



Local ID # Improve New Location

Local ID # Improve New Location

Congestion / Mobility

Access Management / Operations

Modernization

Other

Interchange

Bridge / Overpass

Intersection

Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 I
Section Options	04 K
Estimated Cost	\$65,860,000
Length (miles)	5.55
Existing ROW (feet)	90-150
Safety Risk Score	78

Capacity Data:

Year

Facility will be Approaching Capacity (>80%)


2017-2045

Facility will be Over Capacity (>=100%)

2045

Proposal Data:

	2017 Base Year	2045 Future Year	
Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	-	Boulevard
Travel Lanes	2	-	4
Volume (vpd)	5000-15000	19300-44900	19300-44900
Capacity (vpd)	15800-17800	15800-49000	15800-49000



Project Sheets

12/07/2021

NC 211

Brunswick County CTP

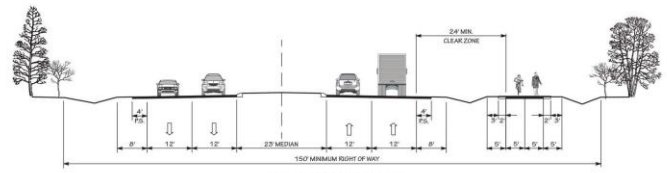
Typical Section Options:

04 K

TYPICAL SECTION No. 4I

4 LANE DIVIDED (23' RAISED MEDIAN)

WITH PAVED SHOULDERS AND SIDEPAH



POSTED SPEED 35-55 MPH

Project History/ Linkage to Other Plans

The project proposal was included in the 2010 Brunswick County CTP and was submitted to SPOT 5.0 and SPOT 6.0.

The following multimodal recommendation is being made along this route:

NC 211 (North Howe Street) - Provide sidewalks/bicycle lane from East Owen Street to Doshier Hospital in Southport on east side of street. NC 211 is on the East Coast Greenway Plan as a multi-use facility (from West Bay Street to US 17). Recommendation is to construct a Multi-Use Path.

CTP Goal Analysis

This project supports the following goals and objectives:

Goal: Create a more efficient transportation system through improved connectivity, capacity and operations.

Goal: Support growth through a transportation network that serves local, inter- and intra- regional accessibility and mobility needs for both people and goods.

Objectives: Promote reductions in recurring congestion through transportation capacity, access management, and policy improvements.

Objectives: Improve the safety of the transportation system for all user groups regardless of socioeconomic status or physical ability.

Vision Goals & Objectives Survey

This project proposal received 622 comments during the survey period. Improving traffic flow and widening NC 211 were some of the requests listed in the comments. The survey was launched on March 10, 2021, and closed on June 11, 2021. There was an English and Spanish version of the survey. A total of 6,969 survey participants

created a total of 8,387 comments.

Potential Impacts

Land Use: There is a mix of residential and commercial land use along the NC 211 corridor.

Project Sheets

12/07/2021

Adjourn

Contacts:

Patrick Flanagan

Cape Fear Council of Governments Regional Planner

910.395.4553 x 214 pflanagan@capefearcog.org

Kelly Jones

NCDOT Transportation Planning Division Engineer

919.707.0979 kkjones1@ncdot.gov

Nazia Sarder

NCDOT Transportation Planning Division Engineer

919.707.0980 nsarder@ncdot.gov

THANK
You!

Clean Transportation Program

Electric Vehicles and Charging Infrastructure

NGVs, Propane Vehicles and Fueling Infrastructure

Ethanol, Biodiesel and Other Biofuels

Other Emissions Mitigation Technologies and Programs

Clean Transportation Program

- We work to propel the development, awareness and use of alternative fuels and advanced transportation technologies through:
 - technical assistance, including trainings and fleet assessments
 - education and outreach initiatives, including workshops, meetings, conferences and marketing campaigns highlighting the benefits of using clean transportation technologies
 - administering clean transportation technology grants

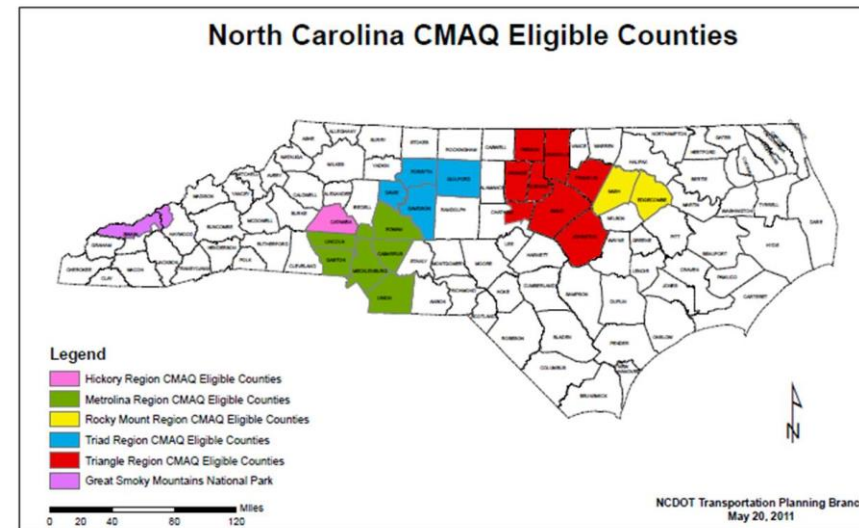


Clean Transportation Overview

Opportunities	Services Provided	Targeted Sectors	Benefits
Alternative Fuels (propane, natural gas, biofuels, electric vehicles)	Assessments Public education Technical training	Public and private fleets Transit agencies General public	Fuel savings; emissions reductions; shifting to domestic fuels
Vehicle utilization, idle reduction technologies, and telematics	Assessments Fleet manager workshops	Public and private fleets	Fuel savings, maintenance savings, increased safety for drivers, emissions reductions
Research	Policy studies Overviews of different transportation technologies	State or federal agencies, transit agencies	Research studies can be applied to support various transportation applications that can support policy or technology development or implementation

Clean Fuels and Advanced Technology (CFAT) Project

- The CFAT project deploys federal Congestion Mitigation Air Quality (CMAQ) funding received from the N.C. Department of Transportation (DOT)
- Those funds provide direct financial assistance to numerous clean transportation projects each year for a variety of public and private entities, all focused on reducing transportation-related air pollution emissions
- The funds focus on 24 CMAQ-eligible counties currently in “maintenance” status under federal air quality rules, though electric charging infrastructure can be funded statewide
- We are awaiting our contract for these funds and hope to put out an RFP in the late Winter/ early Spring.



CFAT Project Overview Cont'd

- Over past 15 years, we have provided \$11.9M in federal funds to help private and public fleets in NC purchase clean transportation technologies to improve NC air quality

Some projects funded to date:

- 110 Infrastructure projects
- 327 Alternative fuel vehicles
- 39 Hybrid vehicles
- 74 Diesel retrofits
- 128 Propane retrofits
- 310 Telematics units

Clean Transportation: Fleet Education

- The Sustainable Fleet Technology webinars series provides virtual trainings on topics related to electric vehicles, fuel efficiency, and other ways of improving your fleet's sustainability
- Sustainable Fleet Technology Conference
 - In-person conference August 30-September 1, 2022 at Durham Convention Center
 - www.SustainableFleetExpo.com



Clean Transportation: Public Education

- In Person Public Outreach/Ride and Drive Events
 - We organize electric vehicle displays outside sporting events and other events, such as Earth Day Festivals
- Student Art Contest
 - In March through April, North Carolina K-12 students can submit artwork that is voted on through Facebook. Winners have their artwork displayed on billboards across the state.

NC DEQ VW Settlement Partner

- In Table 3 of the Historically Under-Resourced Counties Outreach Program in Phase 2 of the VW Mitigation Plan, Columbus County is sited as eligible to receive maximum funds for the VW Settlement.
- NCCETC can provide guidance on the application process for Eastern and Central North Carolina Clean Cities stakeholders.
- The VW RFP is slated for release in February 2022.

Eastern and Central North Carolina Clean Fuels Coalition

- Created by US Department of Energy to reduce reliance on petroleum products and improve air quality.
- Convene public/private stakeholder partnerships to share alternative fuel and advanced technologies resources and information that reduce fuel use and related air pollution.
- Seeking partners in Central, Eastern and Northeastern NC
- Free of charge
- Benefits include educational opportunities, networking opportunities, and guidance on funding opportunities. We will work with stakeholders on developing workshops and trainings in your regions.

Contact Information

For all follow-up inquiries, please contact:

Alrik Lunsford

Clean Transportation Extension Specialist
North Carolina Clean Energy Technology Center
North Carolina State University

Office: 919-515-0352

Cell: 919-949-4094

Email: aklunsfo@ncsu.edu

www.cleantransportation.org

www.fuelwhatmatters.org

NC Port of Wilmington Intermodal Facility

NC Port of Wilmington is pursuing funds for their Intermodal Facility Project

- Port is expecting 50,000 containers to arrive or depart via intermodal rail over the next five years
- Intermodal Facility has benefits to in-terminal efficiency and outside of terminal congestion reduction
- Resolution may be used for multiple grant applications
 - Rebuilding American Infrastructure with Sustainability and Equity (RAISE)
 - Infrastructure For Rebuilding American (INFRA)
 - Port Infrastructure Development (PID)
- No Cost to the RPO

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

NC Port of Wilmington Intermodal Facility



Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
------------------------------	-------------------------------	----------------------------------	-----------------------------------	----------------------------

Eastern NC Clean Fuels Coalition Letter of Support

Letter of Support to join the Eastern and Central North Carolina Clean Fuels Coalition as a Stakeholder

- Representation through a Clean Cities coalition is imperative for applying for certain federal funds
- Stakeholder Benefits
 - take part in educational activities about clean transportation in our region
 - network with other interested organizations on ways to improve your fleet
 - get advice from experts at North Carolina State University on the topic of sustainable fleet management
- NCCETC has partnered with the Piedmont Triad Regional Council, Kerr Tar Council of Governments, and the Upper Coastal Plains Council of Governments

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

CFRPO Staff Report



NC 210 / East Coast Greenway Feasibility Study

Ferry Update

Cat Peele

(252) 423-5129

cdpeele@ncdot.gov



Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

CFRPO Staff Report

State Transportation Improvement Program (STIP) Amendments and Revisions

TIP #	County	Description	Change	Right of Way	Utilities	Construction
W-5803B	Pender	US 17 install shoulder rumble strips.	DELAY CONSTRUCTION FROM FY 22 TO FY 23			2023
HI-0015	Columbus	US 74 (Future I-74) pavement rehabilitation	PROGRAMMED TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITIZATION			2024
HI-0018	Columbus	US 74 (Future I-74) pavement rehabilitation	PROGRAMMED TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITIZATION			2025
HI-0019	Columbus	US 74 (Future I-74) pavement rehabilitation	PROGRAMMED TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITIZATION			2027
HI-0020	Columbus	US 74 (Future I-74) pavement rehabilitation	PROGRAMMED TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITIZATION			2027
I-6040	Pender	I-40 pavement rehabilitation	TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITIZATION, ACCELERATE CONSTRUCTION FROM FY 23 TO FY 22			2022

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

NC Ports Report



Stephanie Ayers

(910) 251-7073

Stephanie.ayers@ncports.com

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

NCDOT Division 3 Report

Caitlin Marks

(910) 341-2000

cmmarks@ncdot.gov

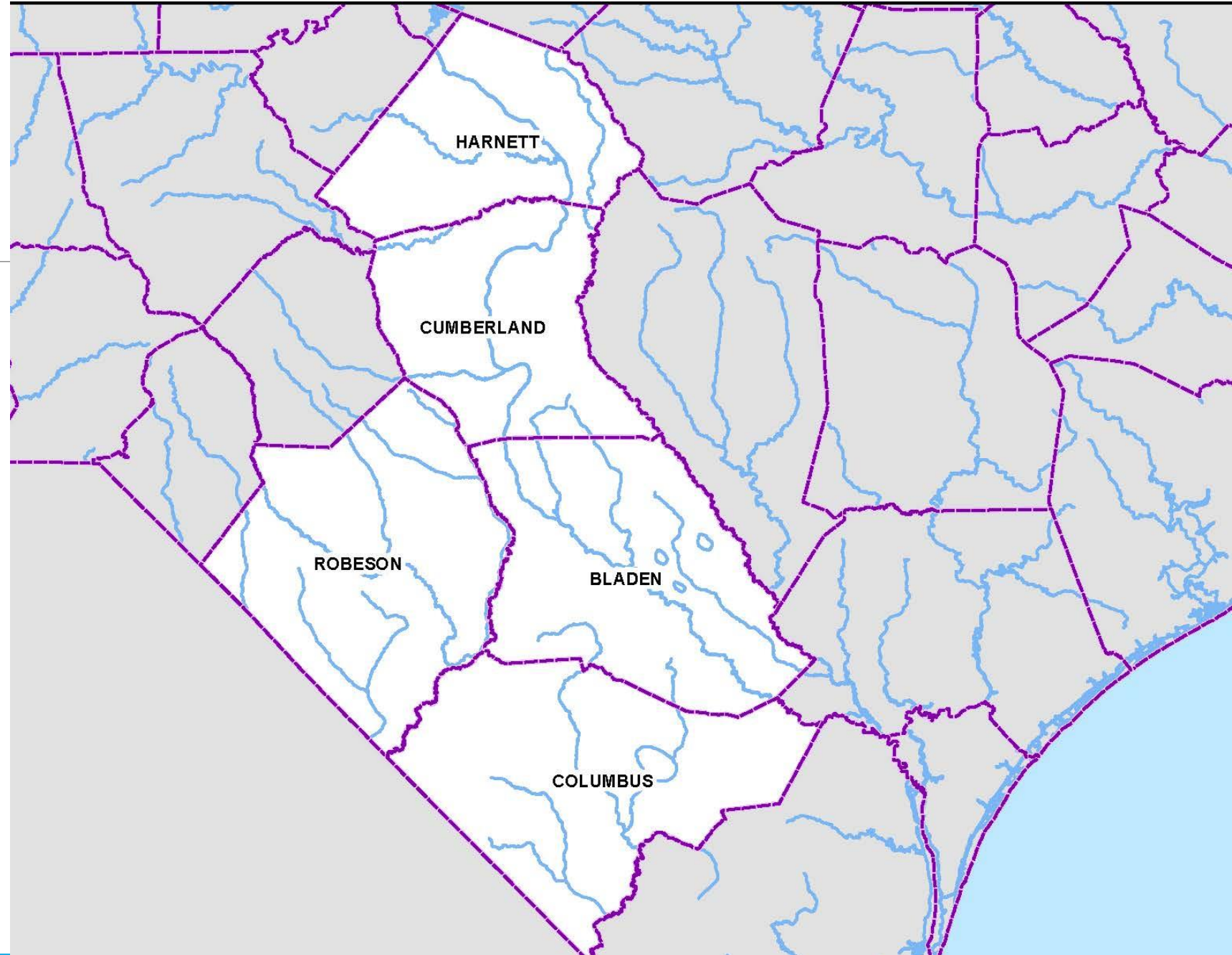


NCDOT Division 6 Report

Darius Sturdivant

(910) 364-0600

ddsturdivant@ncdot.gov



NCDOT TPD Report

Nazia Sarder

(919) 707-0980

nsarder@ncdot.gov



Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

NCDOT IMD Report

Tony Sumter

(919) 707-4689

asumter@ncdot.gov



Integrated Mobility Division

N.C. DEPARTMENT OF TRANSPORTATION

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

Wilmington MPO Report

Rachel McIntyre

(910) 341-3234

rachel.mcintyre@wilmingtonnc.gov



WILMINGTON URBAN AREA
METROPOLITAN PLANNING ORGANIZATION

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

Grand Strand MPO Report

Daniel Newquist

(843) 436-6131

dnewquist@wrcog.org



Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------

Open Discussion

General questions, comments, and other discussions

Adjourn

Introduction	Presentations	Regular Business	Reports / Updates	Conclusion
--------------	---------------	------------------	-------------------	------------