

Cape Fear RPO

Brunswick County ❖ Columbus County ❖ Pender County

RURAL TRANSPORTATION ADVISORY COMMITTEE

SEPTEMBER 15, 2023

Call to Order

Roll Call

Invocation

Pledge of Allegiance

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

Ethics Awareness & Conflict of Interest

In accordance with the State Government Ethics Act, it is the duty of every Committee member to avoid conflicts of interest.

Does any Committee member have any known conflict of interest with respect to any matters coming before the Committee today?

If so, please identify the conflict and refrain from any participation in the particular matter involved.

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

Item 5: Agenda Review

1. Call to Order
2. Roll Call
3. Invocation/Pledge of Allegiance
4. Ethics Awareness & Conflict of Interest Statement
5. Agenda Review
6. Approval of Minutes
7. Public Comment
8. Presentation: East Coast Greenway Feasibility Studies
9. Adoption of NC 211 Greenway Feasibility Study
10. Adoption of NC 210 Greenway Feasibility Study
11. GREAT-NC Application Resolution of Support
12. RTAC 2023 Meeting Calendar Update
13. Approval of P7.0 Project List
14. Reports/Updates
15. Open Discussion
16. Adjourn

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

Item 6: RTAC Meeting Minutes

Review of the August 11, 2023 minutes

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

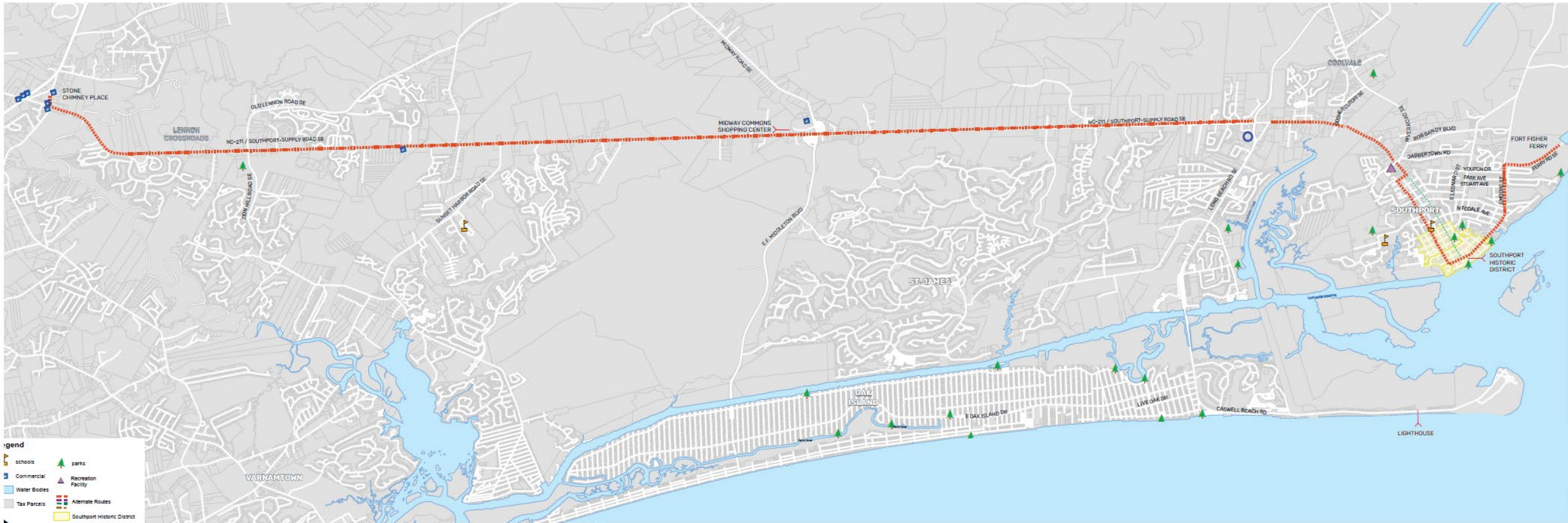
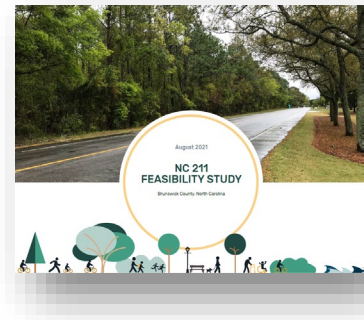
Item 7: Public Comment Period

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

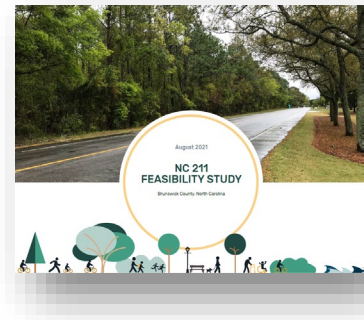
East Coast Greenway Feasibility Studies



NC 211 Greenway Feasibility Study (Completed in 2021)



Study Goals



- Fill in the significant gap that currently exists in developing the East Coast Greenway corridor through coastal North Carolina
- Provide regional connections to parks, commercial destinations, local businesses, and community recreation resources
- Enable the County to achieve their vision of a connected pedestrian and bicycle transportation network by identifying feasible, constructible routes
- Provide recommendations to construct a multi-modal transportation system that augments tourism efforts, giving visitors more opportunity to explore and experience Brunswick County

Study Process

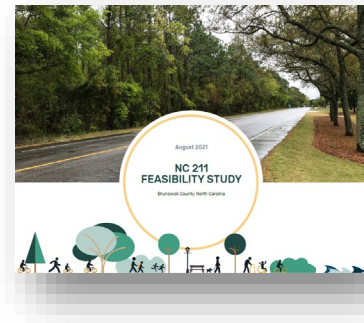


Existing conditions evaluation – previous planning efforts (*Brunswick County Greenway, Bikeway, and Paddle Trail Plan; Cape Fear Regional Bike Plan; Brunswick County Parks and Recreation Comprehensive Plan; etc.*)

Identification of connection opportunities – existing sidewalks and bike routes, parks, neighborhoods, business hubs, schools, etc.

Preliminary design and implementation recommendations – cost estimates, design suggestions, maps of corridor segments, potential right-of-way and permitting needs, potential funding sources, etc.

Study Community Engagement



Due to the public gathering restrictions in effect during the COVID-19 pandemic, the public engagement process was conducted on virtual platforms.

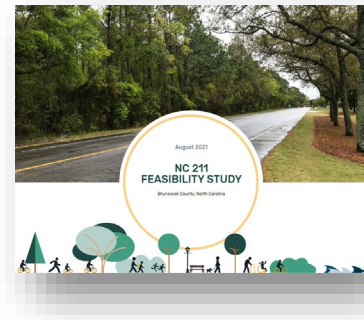
Public meetings included a presentation for the public and a follow-up online public opinion survey. Local jurisdictional staff helped advertise the public engagement and encouraged people to participate in the survey.

August 2020: 462 survey responses about biking frequency, key destinations, challenges along the corridor.

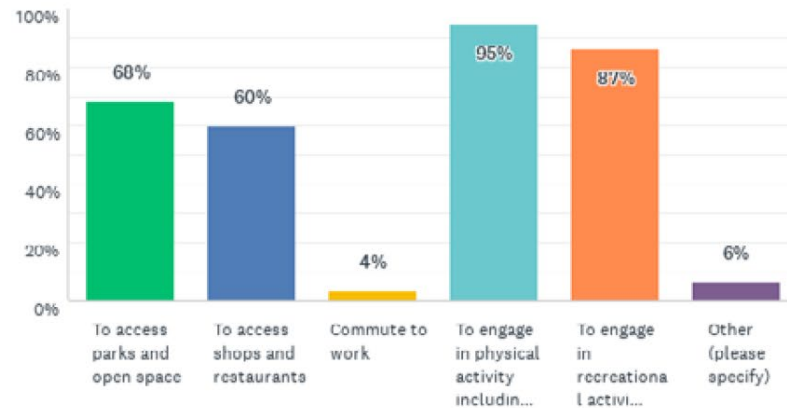
November 2020: 162 survey responses reviewing cut sheet images of proposed routes and site conditions observations.

January 2021: Presentation at Winding River Plantation HOA Meeting, 93 attendees

Study Community Engagement



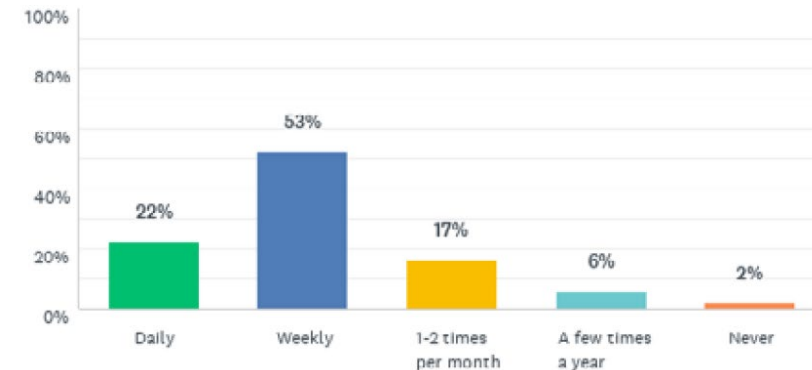
Q2 I would like to use the future 211 biking and walking facility:(Select all that apply.)



"This is a great idea and something missing from our general area. It could be an attraction for tourists and keep in mind the safety factor, especially with families and small children on bikes."

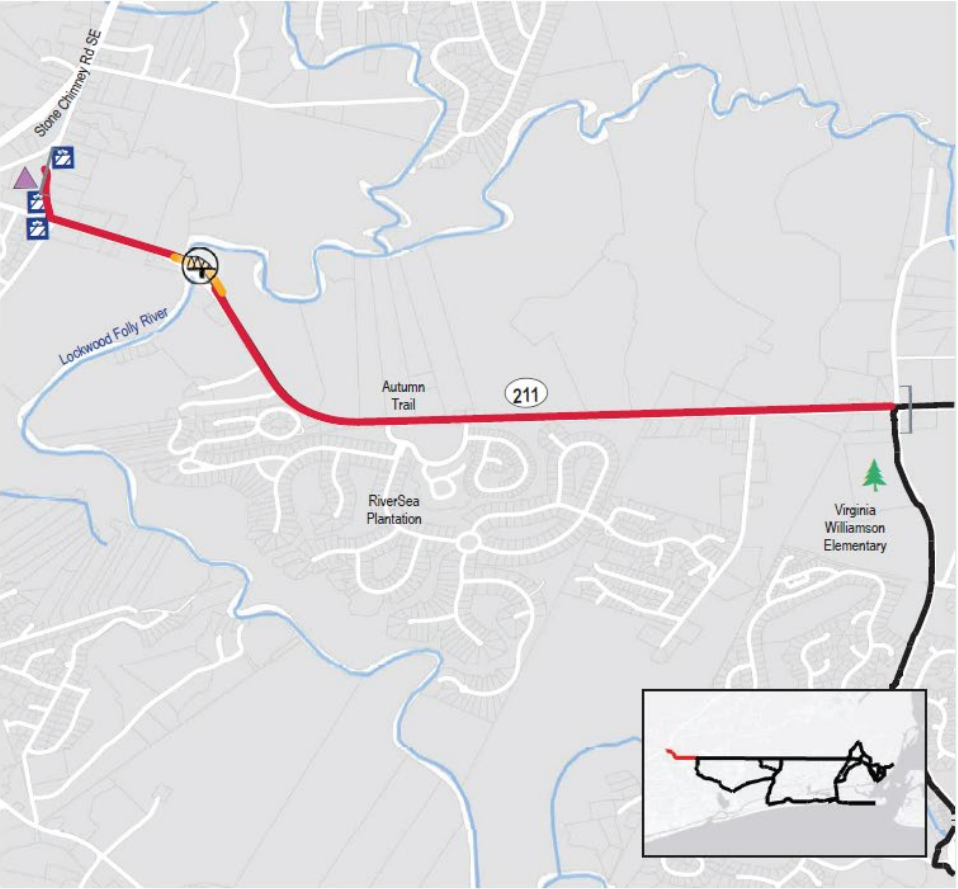
"Love the idea. Please continue. You have my vote. We desperately need this available in our community."

Q3 How often would you use the NC 211 walking and biking facility?

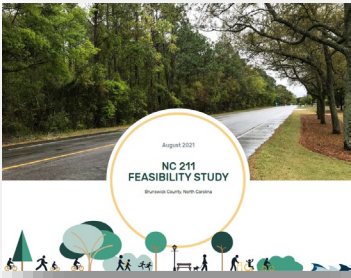
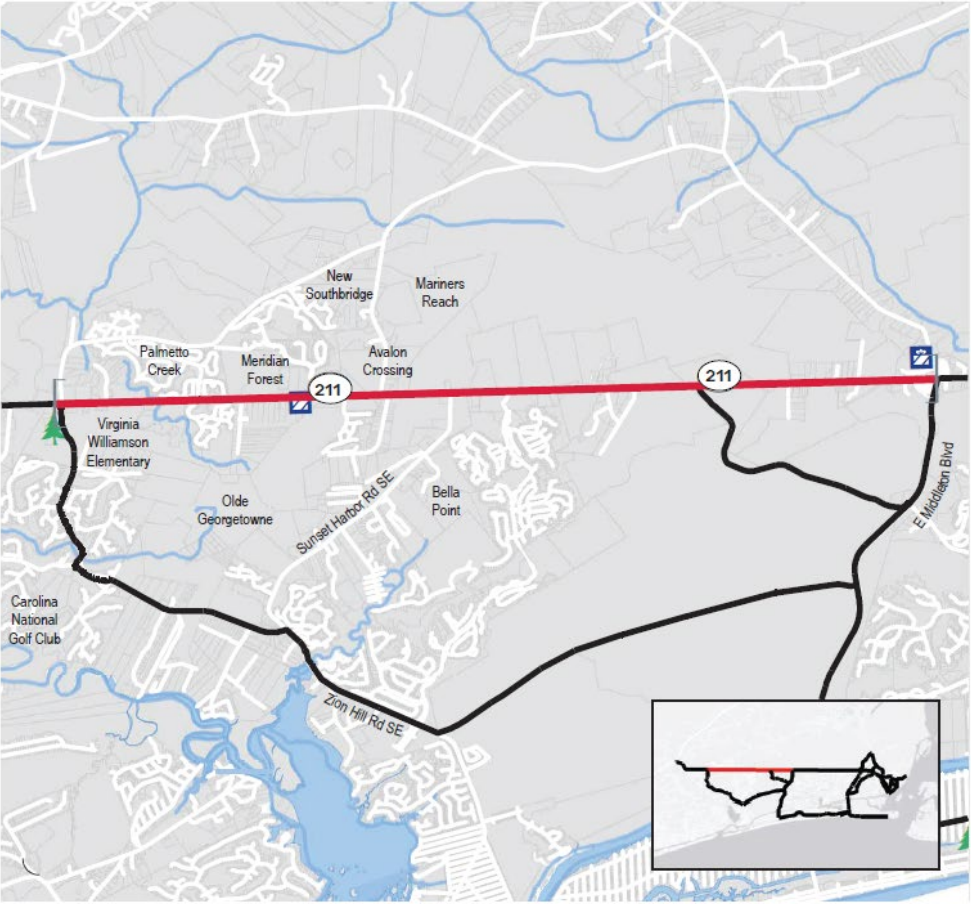


Cut Sheet Segments

SEGMENT 1



SEGMENT 2A



Legend

- Commercial
- Parks
- Recreation Facility
- School
- Streams
- Water Bodies
- Tax Parcels
- Proposed Off-Road Path
- Proposed On-Road Path
- Boardwalk
- Bridge

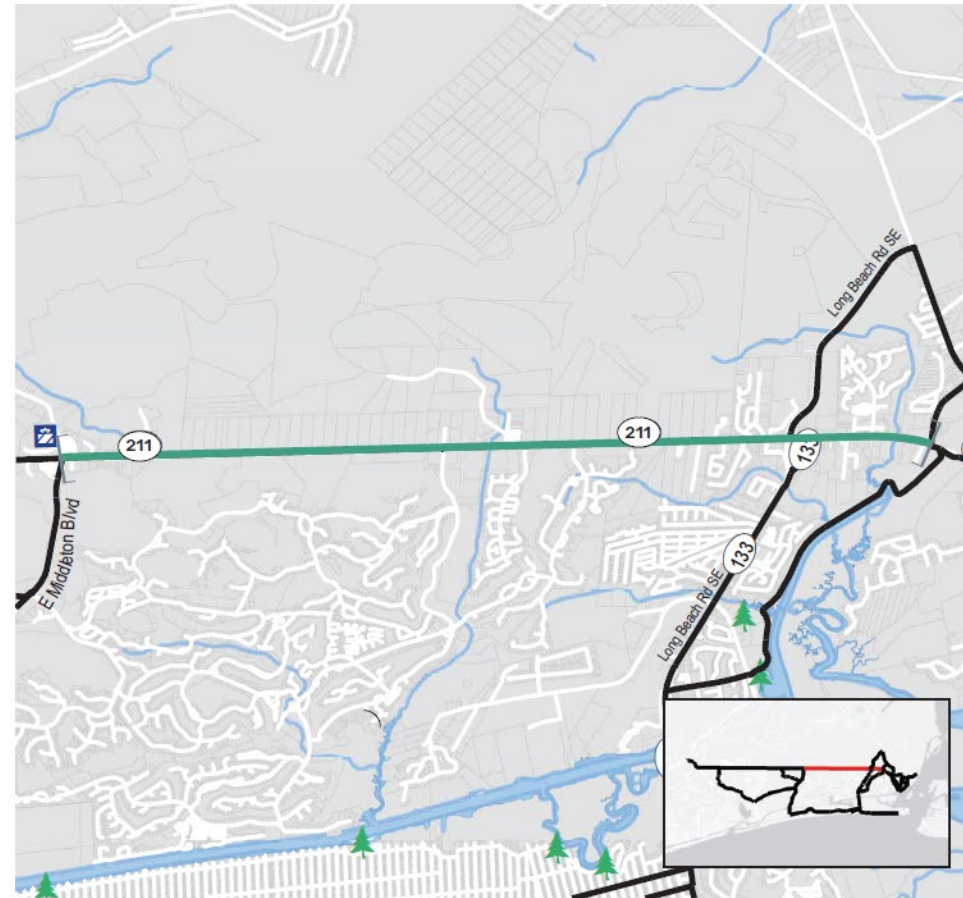
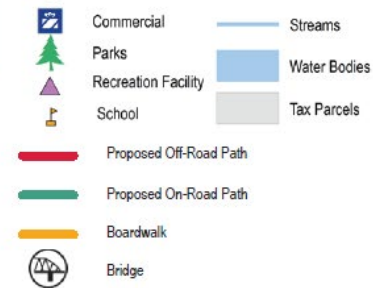
Legend

- Commercial
- Parks
- Recreation Facility
- School
- Streams
- Water Bodies
- Tax Parcels
- Proposed Off-Road Path
- Proposed On-Road Path
- Boardwalk
- Bridge

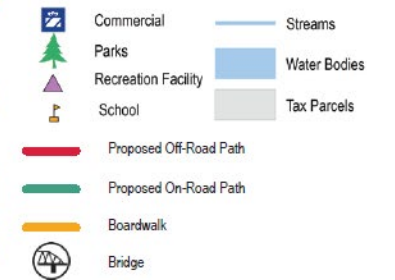
Cut Sheet Segments



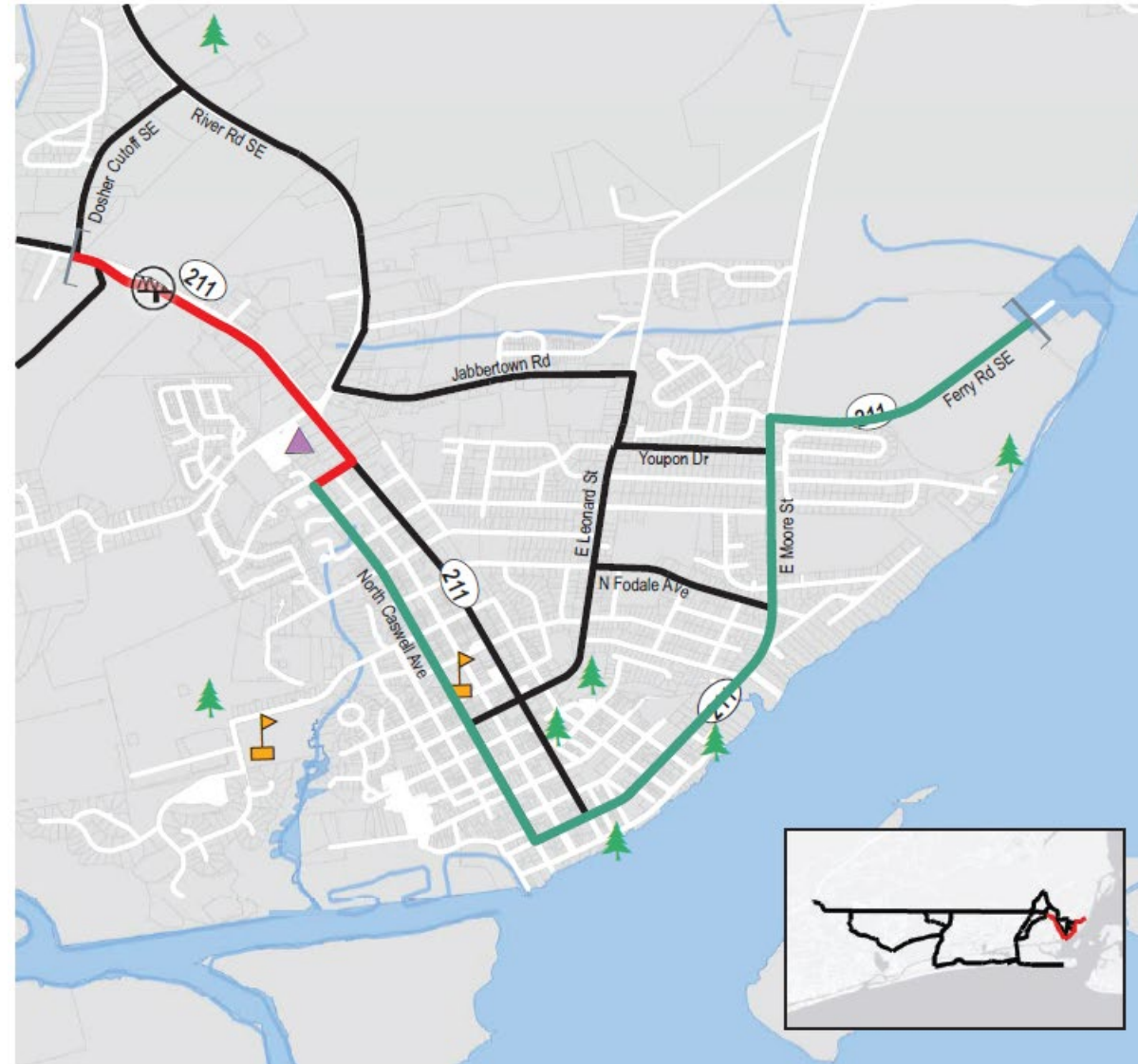
Legend



Legend














Cut Sheet Segments



Segment 9A picks up from Segments 8 and 9B, bringing them into Southport. The route follows an existing sidewalk and boardwalk, and then a new Multi-Use Path along the south side of the road. A separated pedestrian bridge would need to span the waterway from the Brunswick Nuclear Plant because there is currently not enough width on the road bridge to accommodate additional bike/ped facilities. The trail would turn down 14th Street and then connect into on-street bike network of Southport. There are several commercial centers that need consideration in how to cross driveway and navigate easements.

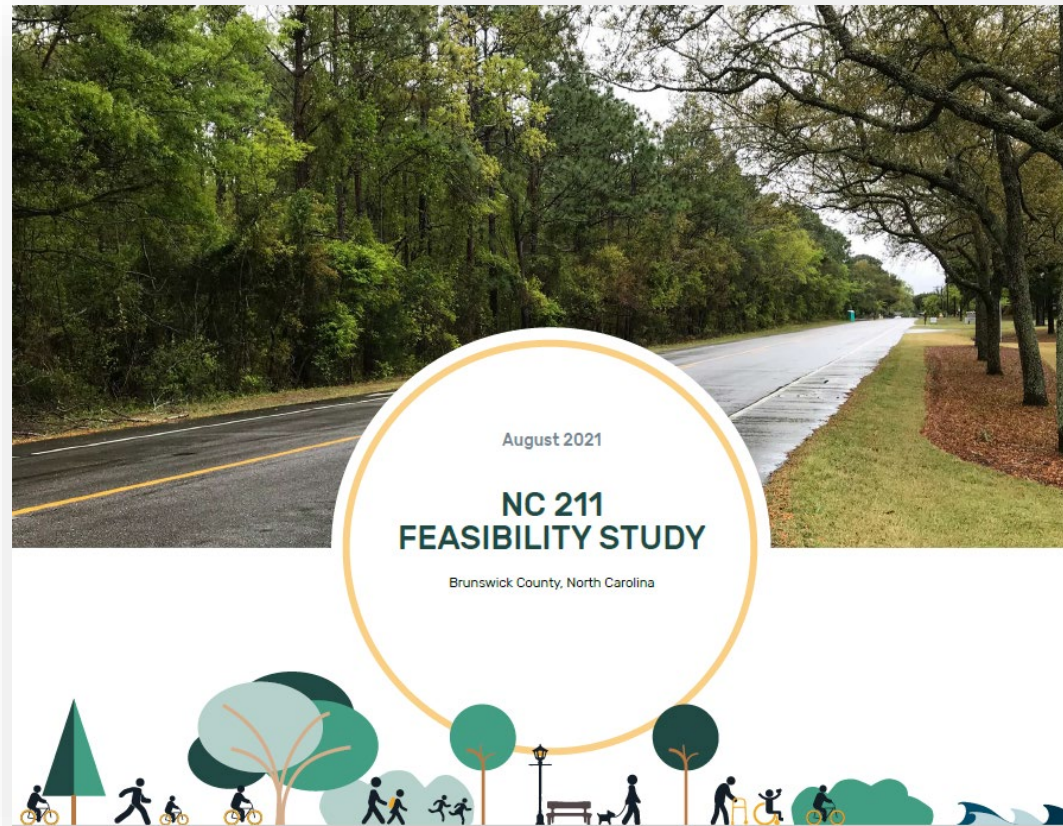
► Continued on next page

Legend

- | | | | |
|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|--------------|
|  | Commercial |  | Streams |
|  | Parks |  | Water Bodies |
|  | Recreation Facility |  | Tax Parcels |
|  | School | | |
|  | Proposed Off-Road Path | | |
|  | Proposed On-Road Path | | |
|  | Boardwalk | | |
|  | Bridge | | |



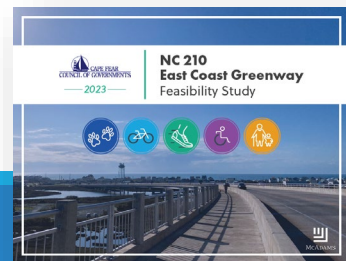
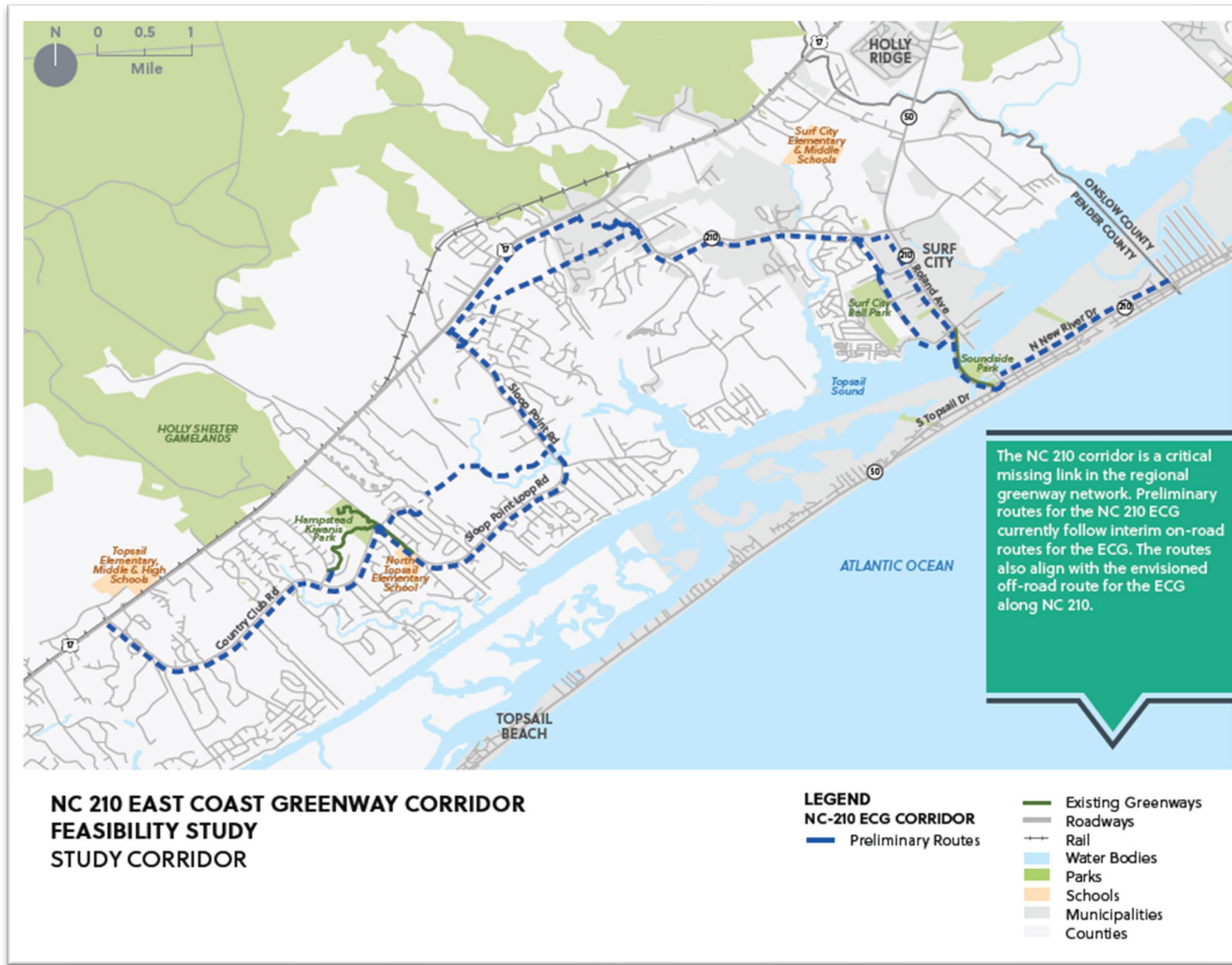
Questions?



NC 210 Greenway Feasibility Study (Completed in 2023)

The NC 210 corridor is a critical missing link on both the **East Coast Greenway (ECG)** and the **Mountains-to-Sea Trail (MST)**.

This corridor also has connections to the **Gullah Geechee Greenway-Blueway Heritage Trail** which runs from Jacksonville, North Carolina, to Jacksonville, Florida.





Study Goals & Process

VISION & GOALS

- Provide safe access points, road crossings, and paths for bicyclists, pedestrians, and hikers of all ages and abilities.
- Provide easy access for a range of user groups to parks, shopping, schools, etc.
- Coordinate with government entities and other stakeholders to support future funding, design, construction, and maintenance.

PROCESS

- Existing Conditions: data gathering, site visits, field work, mapping analysis
- Route Analysis: route alternatives and selection criteria, steering committee meetings, stakeholder meetings
- Study Recommendation: design considerations, public engagement meetings
- Implementation: project phasing, cut sheets, final steering committee meetings, study adoption

Study Community Engagement

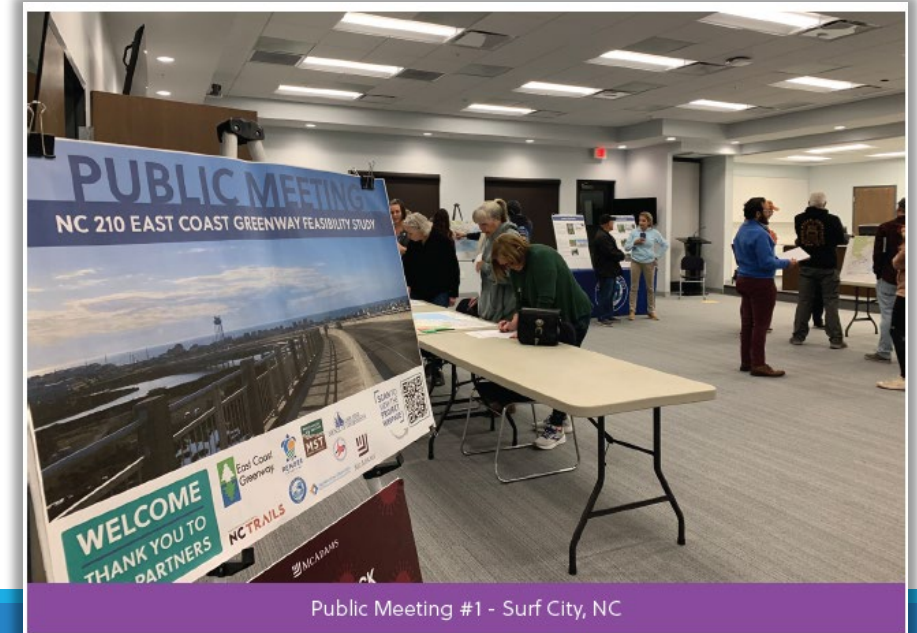
Steering Committee members included Cape Fear RPO, Duke Energy, East Coast Greenway Alliance, Friends of the Mountains-to-Sea Trail, Greater Topsail Area Chamber of Commerce and Tourism, NCDOT, NC State Parks, Pender County, Town of Surf City, Terry Benjey Cycling Foundation, and Wilmington MPO.

Landowner Coordination: landowners were contacted and attended public meetings where they submitted forms containing their input on the project.

Drop-in Style Public Meetings

Public Survey – *July 12, 2022, through August 8, 2022.*

- 9 questions + 2 mapping exercises
- 1,774 participants
- 1,500 comments




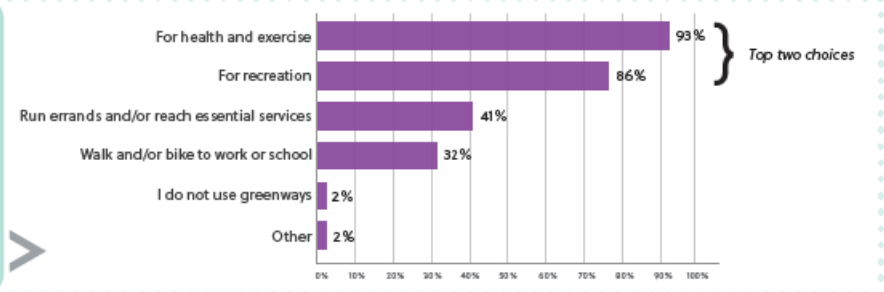
Study Community Engagement



SURVEY OPEN
JUL 12 - AUG 8
2022

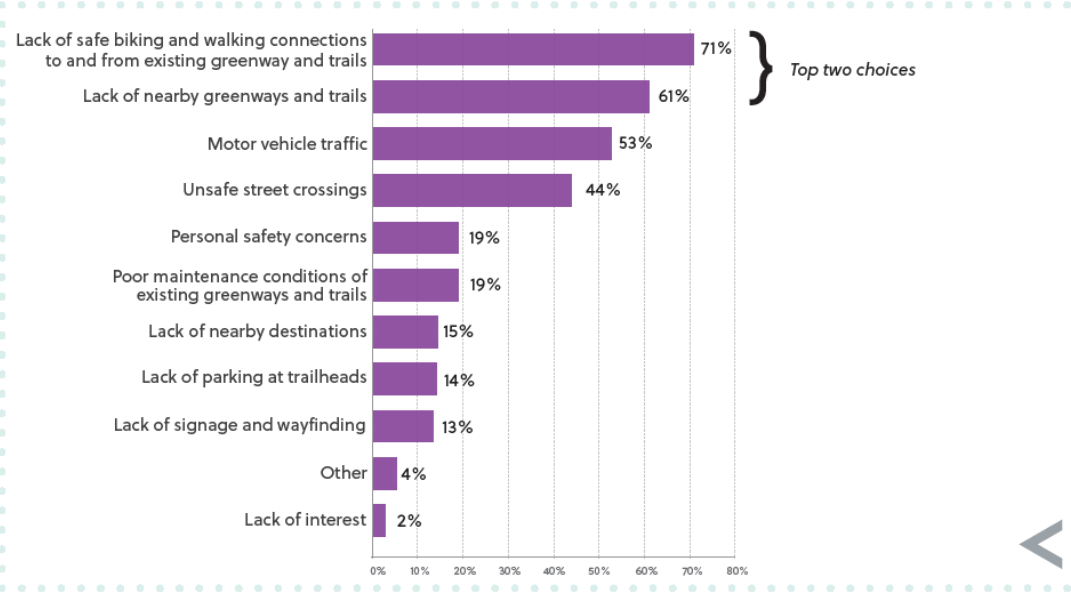
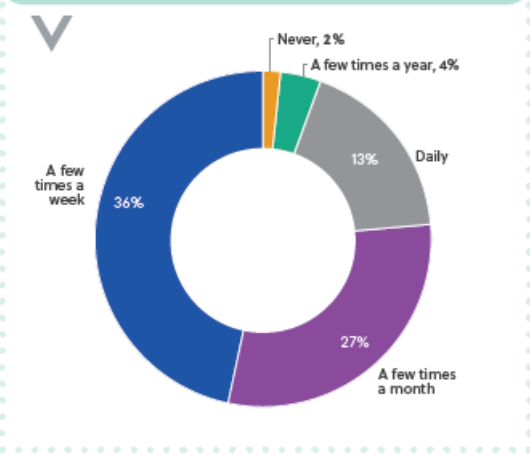

9 QUESTIONS
+ 2 MAPPING
EXERCISES


1,500
COMMENTS


How Would You Use the Proposed NC 210 ECG Corridor (connecting Hamstead, Surf City, and North Topsail Beach) Once the Trail Is Constructed?
Select all that apply.



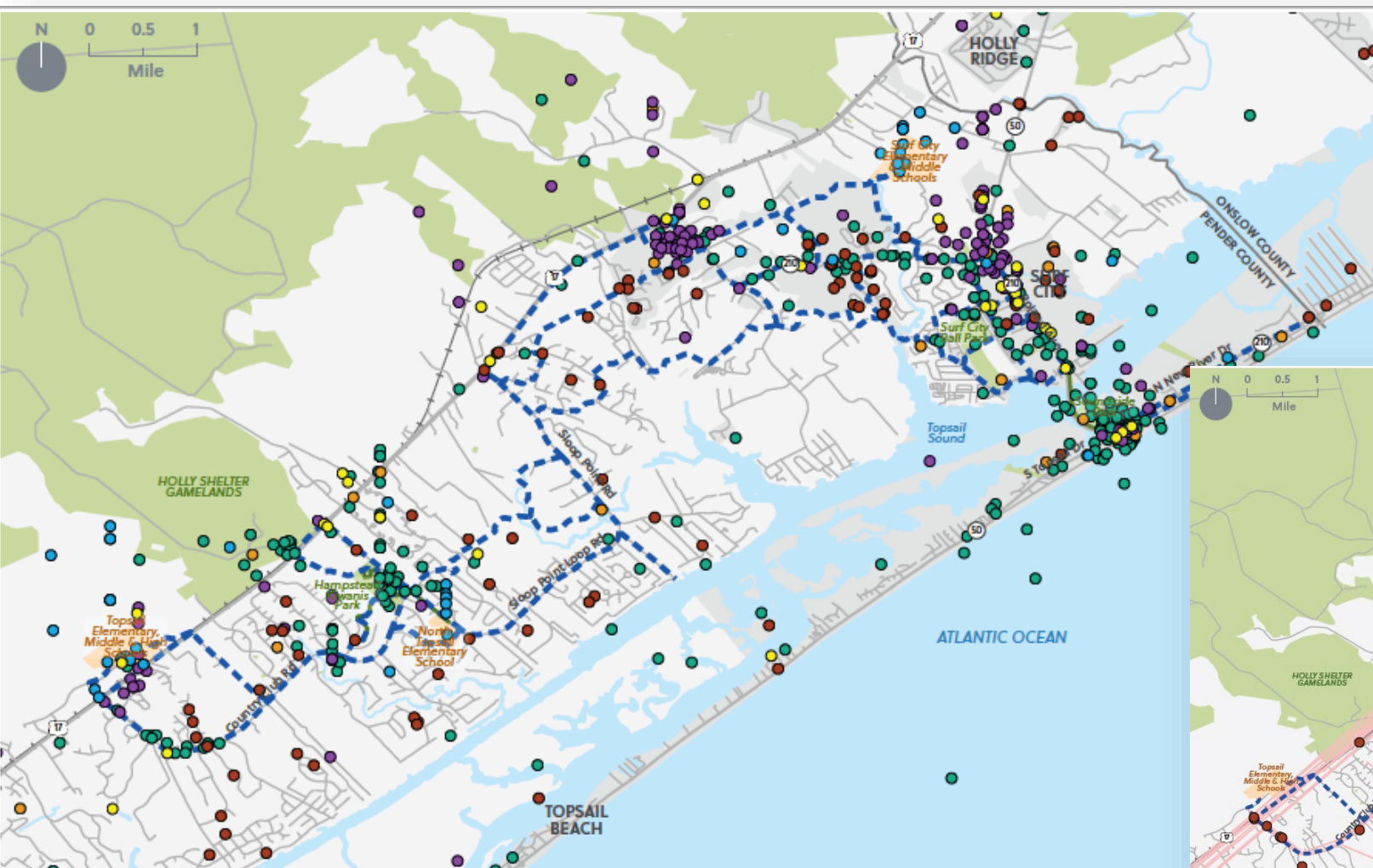

How Frequently Would You Use the Proposed NC 210 ECG Corridor (Connecting Hamstead, Surf City, and North Topsail Beach) Once the Trail is Constructed?




What Factors Discourage You From Using Greenways, Trails, and Multi-use Paths in Hampstead, Surf City, and neighboring Communities?
Select all that apply.



Study Community Engagement



NC 210 EAST COAST GREENWAY CORRIDOR FEASIBILITY STUDY PREFERRED DESTINATIONS

LEGEND

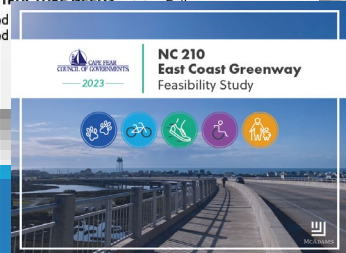
- Study Routes
- Preferred Destinations
 - Work
 - Home
 - Recreation
 - School
 - Shopping
 - Other



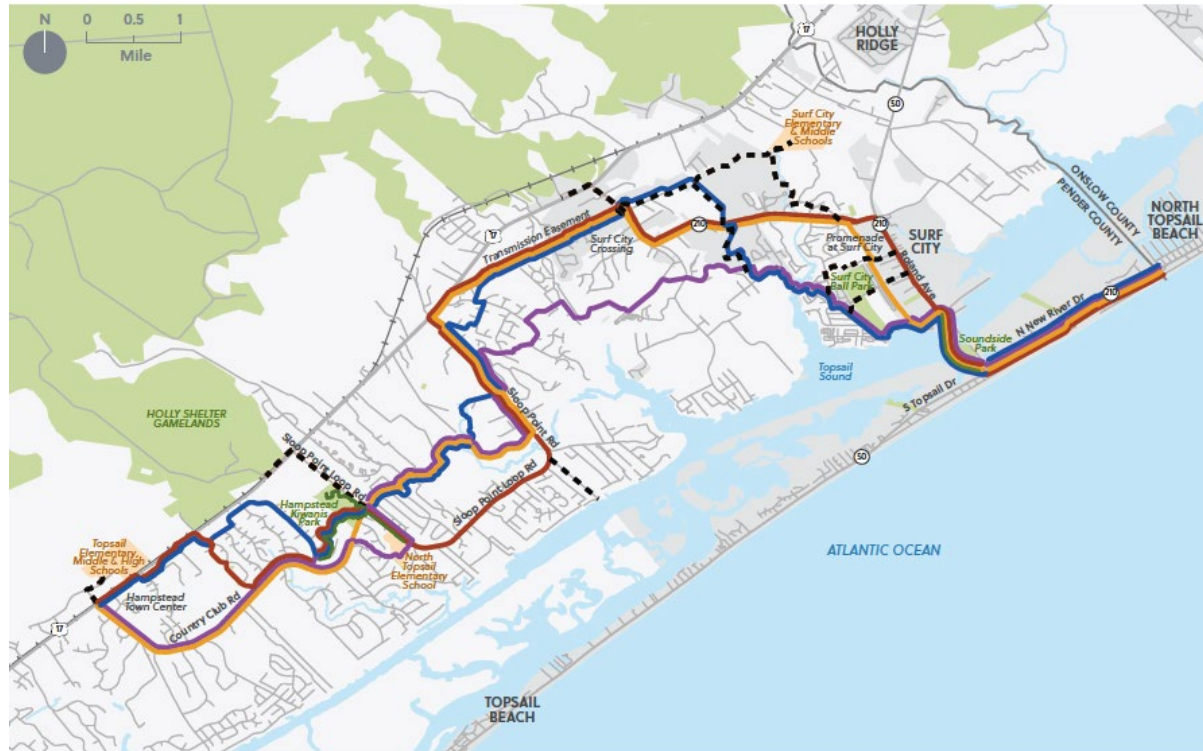
NC 210 EAST COAST GREENWAY CORRIDOR FEASIBILITY STUDY AREAS IN NEED OF BICYCLE + PEDESTRIAN INFRASTRUCTURE

LEGEND

- Study Routes
- BIKE/PED INFRASTRUCTURE NEEDS
 - Identified
 - Identified
- Existing Greenways
- Roadways



Studied Routes & Preferred Alignment



**NC 210 EAST COAST GREENWAY CORRIDOR
 FEASIBILITY STUDY**
 STUDIED ROUTES + CONNECTORS

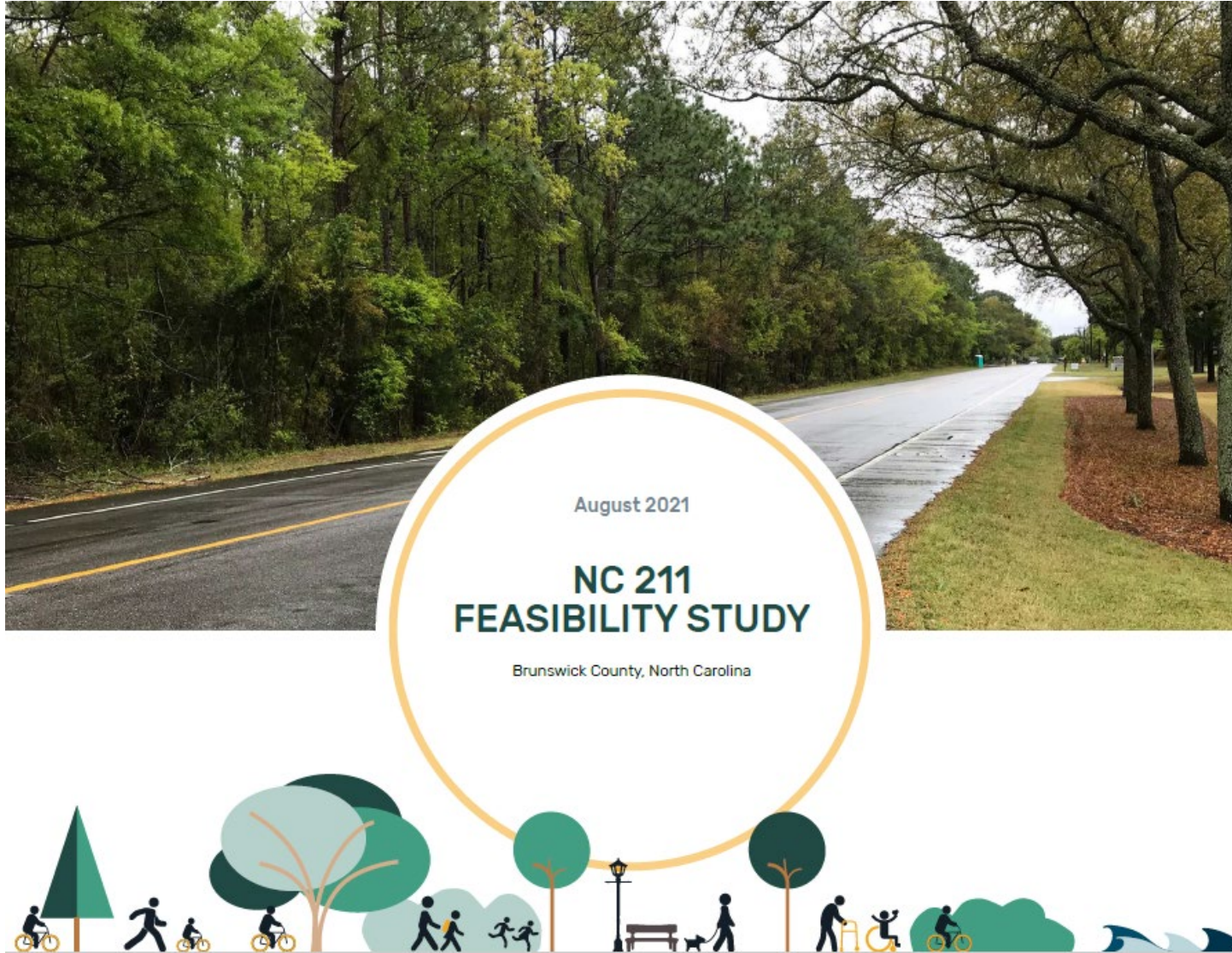


**NC 210 EAST COAST GREENWAY CORRIDOR
 FEASIBILITY STUDY**
 PREFERRED ROUTE + CONNECTORS



Questions?





Item 9: Adoption of NC 211 Greenway Feasibility Study

Staff requests the adoption of this Feasibility Study as the preferred alignment through Brunswick County.



NC 210 East Coast Greenway Feasibility Study



Item 10: Adoption of NC 210 Greenway Feasibility Study

Staff requests the adoption of this Feasibility Study as the preferred alignment through Pender County.

Item 11: GREAT-NC Resolution of Support

NCDOT's Integrated Mobility Division (IMD) is pursuing a Regional Partnership Challenge grant as part of the Neighborhood Access and Equity (NAE) program.

The application is titled **Growing Rural Equity and Access to Transportation in North Carolina (GREAT-NC)**.

The project aims to create a construction-ready pipeline of bicycle and pedestrian facilities by completing design and/or construction of facilities from the adopted Great Trails State Plan found in economically disadvantaged communities.

Includes the East Coast Greenway segment from Southport to Stone Chimney Rd in Supply.

Item 11: GREAT-NC Resolution of Support

To qualify for 0% local match, **at least 51%** of the identified corridor must be located *within* the disadvantaged or underserved areas as identified by the Climate and Economic Justice Screening Tool.

RPO Staff is still coordinating with the project team to incorporate as much of the NC 211 Greenway Feasibility Study as possible.

Resolutions of Support are requested by Friday, Sept. 22nd.



Item 12: RTAC 2023 Meeting Calendar Update

Current Meeting Date: Wednesday, November 15, 2023

Reminder: *Veteran's Day observed on Friday, Nov. 10*

Candidates for New Date:

- Tuesday, November 14th
- **Monday, November 20th**
- Tuesday, November 21st

Item 13: Prioritization 7.0 Project Submittals

AVIATION: No changes since August

- 14 total projects

BICYCLE & PEDESTRIAN: Multiple recommended changes since August (slide upcoming).

FERRY: 8 new projects added at the request of the Ferry Division

- 9 total projects
- Manns Harbor Shipyard projects are split across all MPOs/RPOs involved with the Ferry Division.

HIGHWAY: Multiple recommended changes since August (slide upcoming).

RAIL: 1 new project added at the request of the Rail Division

- 12 total projects
- Project will help refine the new Modernization project type.

TRANSIT: 5 new projects added for county transit providers

- 5 total projects
- Some submittals will depend on availability of cost estimates.

P7.0 Submittals: Bicycle & Pedestrian

Recommended changes to the Draft List shared in August meeting:

BRUNSWICK CO. Projects

- **Add** B230582 – East Coast Greenway in Oak Island – multi-use path along Oak Island Dr from NE 46th St to NE 64th St
- **Remove** B191643 – multi-use path along Fifty Lakes Drive from NC 87 to Eden Dr.

COLUMBUS CO. Projects

- **Add** B230711 – separated bike lanes in Whiteville at N Lee St from US 74/76 BUS (Washington St) to Calhoun St, by Whiteville HS
- **Add** B230709 – sidewalk in Brunswick along Poplar St from Maple St to NC 130
- **Split** the new bike lanes projects into 2 separate projects – 1 along Spivey Rd north of US 74 BUS, 1 along Warrior Trails

PENDER CO. Projects

- **Add** B230762 – East Coast Greenway in Surf City – multi-use path along N Shore Dr from Roland Ave to Dolphin St
- **Remove** B191657 – sidewalks on NC 50 through Topsail Beach CBD

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

P7.0 Submittals: Highway

Recommended changes to the Draft List shared in August meeting

BRUNSWICK CO. Projects

- **Add** H230501 – Construct turn lanes at multiple intersections along NC 87 in Boiling Spring Lakes between S Shore Dr and Fifty Lakes Dr
- **Add** H230500 – Upgrade intersection in Oak Island at NC 906 (Middleton Ave) and Oak Island Dr to roundabout for congestion mitigation
- **Remove** H170246 – Regional NC 906 (Midway/Galloway) at US 17 BUS and construct a roundabout – intersection improvements included with H090236-B

COLUMBUS CO. Projects

- **Alter** H170044 – Instead of Chadbourn Bypass, upgrade at-grade intersection to grade separation at US 76 and NC 410 (*this project to be paired with H192933: roundabout at NC 410 and Strawberry Blvd*)

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

CFRPO Staff Report

REVISIONS TO THE 2024-2033 STIP HIGHWAY PROGRAM

CAPE FEAR RURAL PLANNING ORGANIZATION

STIP ADDITIONS

* BN-0006 COLUMBUS PROJ.CATEGORY EXEMPT	- CAPE FEAR RURAL PLANNING ORGANIZATION	US 701 BUSINESS, FROM JESSIE STREET TO LYNWOOD NORRIS ROAD. CONSTRUCT SIDEWALK. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION PLANNING DIVISION.</u>	CONSTRUCTION	FY 2024 - \$200,000 (CRPLT5) FY 2024 - \$50,000 (S(M)) \$250,000
* BN-0007 PENDER PROJ.CATEGORY EXEMPT	- CAPE FEAR RURAL PLANNING ORGANIZATION	SR 1510 (EAST WILMINGTON STREET), FROM US 117 BUSINESS TO US 117 BYPASS CORRIDOR IN BURGAW. CONSTRUCT EIGHT FOOT MULTI-USE PATH. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION PLANNING DIVISION.</u>	ENGINEERING CONSTRUCTION	FY 2024 - \$40,000 (CRPLT5) FY 2024 - \$10,000 (S(M)) FY 2024 - \$693,000 (CRPLT5) FY 2024 - \$174,000 (S(M)) \$917,000
* HN-0023 COLUMBUS PROJ.CATEGORY EXEMPT	- CAPE FEAR RURAL PLANNING ORGANIZATION	US 701 BUSINESS (MADISON STREET), AT SR 1916 (LEE STREET), AND SR 1953 (FRANKLIN STREET). CONSTRUCT ROUNDABOUT TO REPLACE EXISTING TRAFFIC SIGNAL. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION PLANNING DIVISION.</u>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2024 - \$320,000 (CRPLT5) FY 2024 - \$80,000 (S(M)) FY 2025 - \$80,000 (CRPLT5) FY 2025 - \$20,000 (S(M)) FY 2026 - \$2,400,000 (CRPLT5) FY 2026 - \$600,000 (S(M)) \$3,500,000

STIP MODIFICATIONS

AV-5744 PENDER PROJ.CATEGORY DIVISION	- CAPE FEAR RURAL PLANNING ORGANIZATION	HENDERSON FIELD (ACZ), EXTEND RUNWAY TO 5500 FEET. <u>TO MATCH SCHEDULE PROVIDED BY AIRPORT. DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u>	CONSTRUCTION	FY 2024 - \$3,000,000 (T) FY 2025 - \$3,000,000 (T) FY 2026 - \$3,552,000 (T) FY 2027 - \$3,553,000 (T) \$13,105,000
------------------------------------------------	--------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------	--------------	----------------------------------------------------------------------------------------------------------------------------------

CFRPO Staff Report

REVISIONS TO THE 2024-2033 STIP HIGHWAY PROGRAM

CAPE FEAR RURAL PLANNING ORGANIZATION

STIP MODIFICATIONS

AV-5748 COLUMBUS PROJ.CATEGORY DIVISION	- CAPE FEAR RURAL PLANNING ORGANIZATION	COLUMBUS COUNTY AIRPORT (CPC), APRON EXPANSION. <u>TO MATCH SCHEDULE PROVIDED BY AIRPORT.</u> <u>DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u>	CONSTRUCTION	FY 2024 - <u>\$1,808,000</u> (T) \$1,808,000
* F-5707 BRUNSWICK NEW HANOVER PROJ.CATEGORY REGIONAL	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION - CAPE FEAR RURAL PLANNING ORGANIZATION	SOUTHPORT - FORT FISHER, CONSTRUCT MOORING FACILITIES. <u>MODIFY FUNDS FROM STATE TO FEDERAL.</u>	CONSTRUCTION	FY 2025 - \$500,000 (T) FY 2025 - \$2,000,000 (FBP) FY 2026 - \$500,000 (T) FY 2026 - <u>\$2,000,000</u> (FBP) \$5,000,000
* HS-2003AC PENDER PROJ.CATEGORY REGIONAL	- CAPE FEAR RURAL PLANNING ORGANIZATION	US 117, AT SR 1411 (ASHTON ROAD / OLD RIVER ROAD). INSTALL TRAFFIC SIGNAL. <u>ADD PROJECT BREAK AT THE REQUEST OF THE</u> <u>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - <u>\$298,000</u> (HSIP) \$298,000
* R-5899 PENDER PROJ.CATEGORY DIVISION	- CAPE FEAR RURAL PLANNING ORGANIZATION	NC 210, SR 1560 (WATTS LANDING ROAD). CONSTRUCT ROUNDABOUT. <u>MODIFY FUNDS FROM STATE TO FEDERAL.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 - \$261,000 (BG5T50) FY 2026 - \$522,000 (BG5T50) FY 2027 - \$261,000 (BG5T50) FY 2025 - \$117,000 (BG5T50) FY 2027 - \$1,160,000 (BG5T50) FY 2028 - <u>\$1,440,000</u> (BG5T50) \$3,761,000

NC Ports Update

Stephanie Ayers

(910) 746-6371

Stephanie.ayers@ncports.com



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

Ferry Update

Cat Peele

(252) 423-5129

cdpeelee@ncdot.gov



NCDOT Division 3 Report

Adrienne Cox

(910) 341-2000

amcox1@ncdot.gov

Michell Howes

(910) 341-2107

mnhowes@ncdot.gov

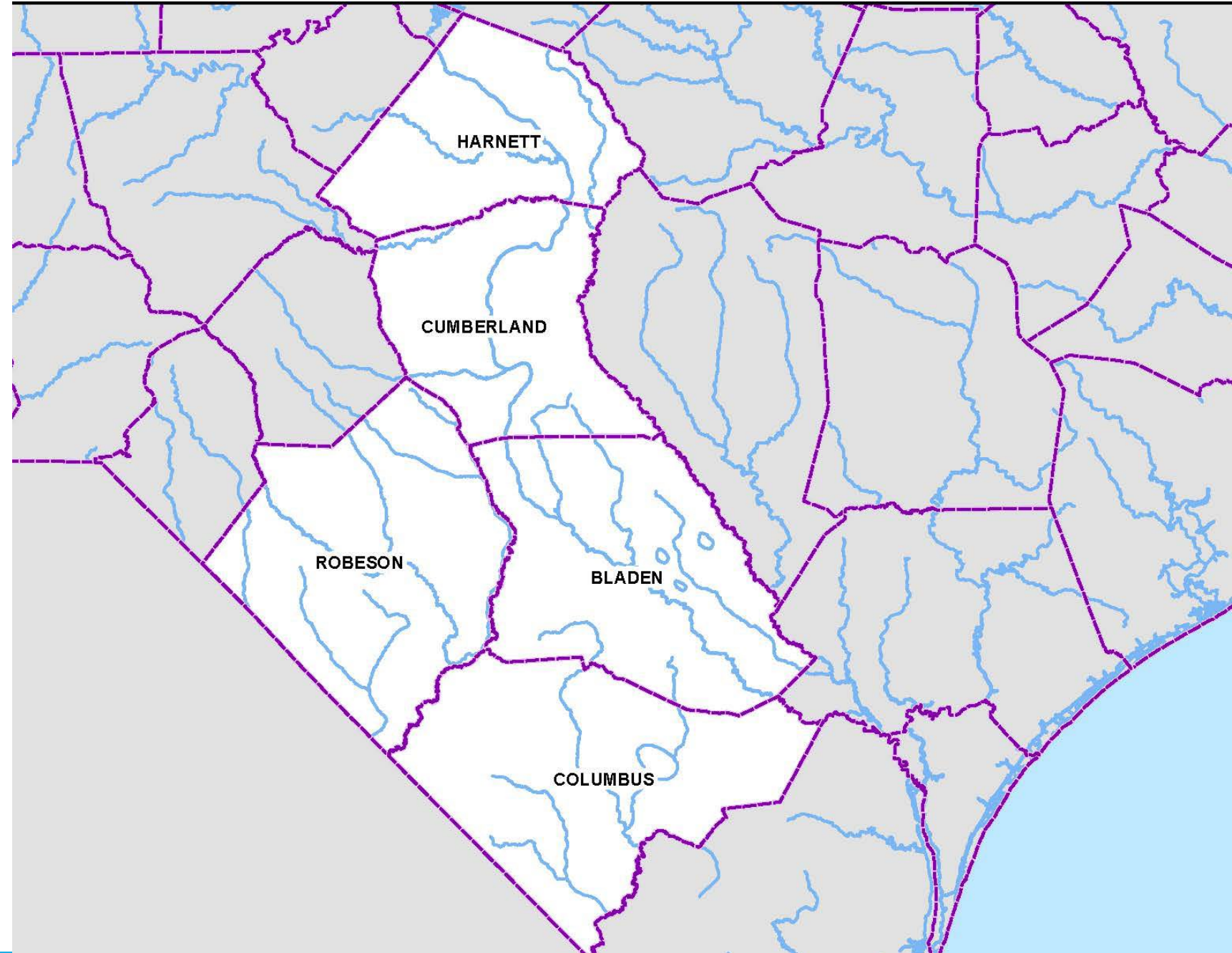


NCDOT Division 6 Report

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

Kim Nguyen

(919) 707-4676

kpnguyen1@ncdot.gov



Integrated Mobility Division

N.C. DEPARTMENT OF TRANSPORTATION

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

NCDOT Board of Transportation

Grady Hunt

Division 6

glhunt@ncdot.gov

Landon Zimmer

Ports and Aviation

lgzimmer@ncdot.gov



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

Open Discussion

General questions, comments, and other discussions

Adjourn

Next meeting will be in November.

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