



Surf City Bridge

NC-210 EAST COAST GREENWAY

FEASIBILITY STUDY

STEERING COMMITTEE MEETING #1 – JUNE 13, 2022



Meeting Agenda

- **Introductions**
- **Project Overview**
 - *Study Area*
 - *Project Schedule*
 - *Community Engagement*
- **Existing Conditions / Study Considerations**
 - *Map Review*
 - *Opportunities + Constraints*
- **Group Discussion**
 - *Mapping Assessment*
 - *Defining Project Success*



Greenway along NC 50

Project Team Introductions



Iona Thomas
Public Sector
Director



Graham Bruns
Greenways Lead



Nia Rodgers
Project Manager



Kathryn Zeringue
Bicycle +
Pedestrian Planner

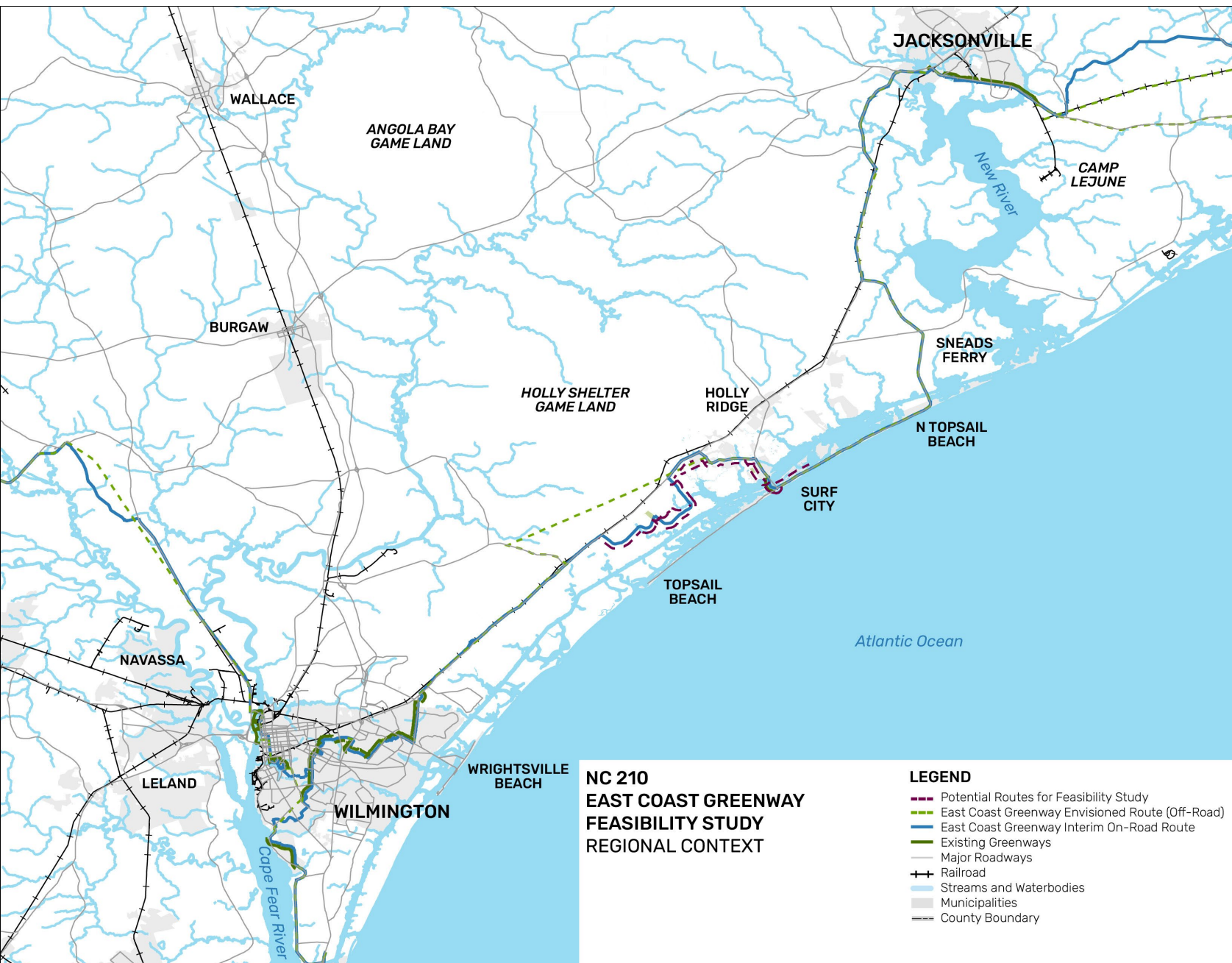


Zachary Hallock
Bicycle +
Pedestrian
Engineer

Steering Committee Members as of June 8, 2022

| Community or Organization | Name | |
|---------------------------------|--------------------------|-------------------------------|
| Cape Fear RPO | Patrick Flanagan | Regional Planner |
| Duke Energy | Pam Hardy | District Manager |
| East Coast Greenway Alliance | Andrew Meeker | North Carolina Coordinator |
| NCDOT Div 3 | Adrienne Cox | Planning Engineer |
| NCDOT IMD | Tony Sumter | IMD Regional Planner |
| NCDOT Planning | Nazia Sarder | Wilmington MPO |
| Pender County - Parks & Rec | Zach White | Supervisor |
| Pender County - Planning | Vanessa Lacer | Long Range Planner |
| State Trails | Smith Raynor | State Trails Planner |
| Surf City - Chamber of Commerce | Tammie Parris | |
| Surf City - Planning | Amy Kimes | Town Planner |
| Surf City - Police | Lt. Chris Houser | Safety Officer |
| Wilmington MPO | Abby Lorenzo | Senior Transportation Planner |
| Smart Moves Consulting | Adrienne Harrington, MPA | |
| Terry Benjey Bicycling Found. | Eileen McConville | |
| Wilmington MPO BPAC | Steve Zinder | |
| Wilmington MPO BPAC | Carol Stein | |
| Surf City | Dave McCole | Finance Director |

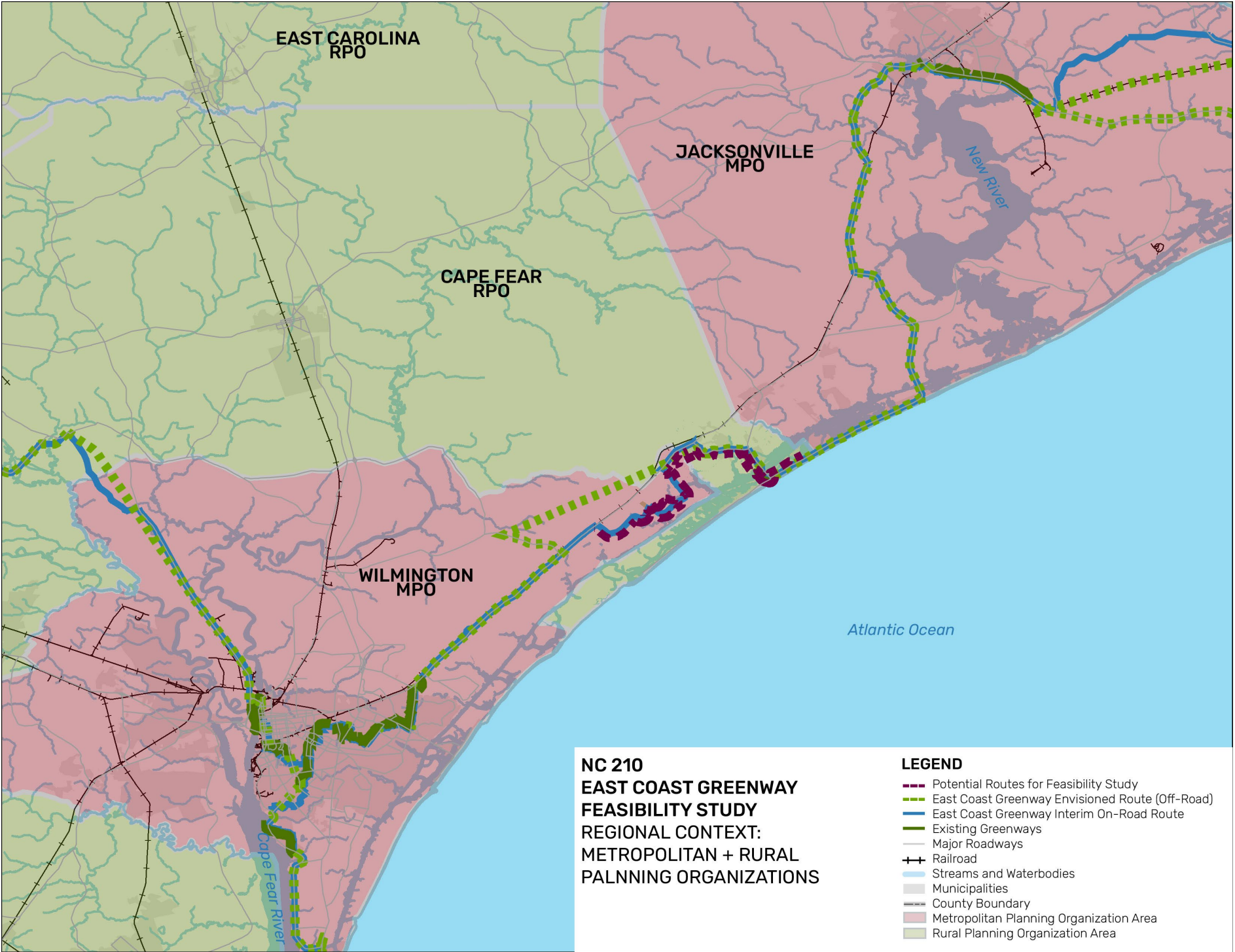
Regional Context



- **Hampstead to Topsail Island**
 - 16.2 miles
- **Connectivity + Accessibility**
 - Co-located with East Coast Greenway & Mountains to Sea Trail
 - Future Connections to Wilmington and Jacksonville
- **Regional Themes**
 - Conservation
 - Scenic Outdoors
 - Quality of Life
 - Tourism / Economic Dev.



Regional Context: MPOs + RPOs



Study Area

- Pender County and Surf City
- Country Club Drive at NC210 to Albury Recreation Area
- Potential segments on:
 - Sloop Point Road
 - US-17
 - NC-210
 - Duke Energy Corridor



**NC-210 EAST COAST GREENWAY CORRIDOR
FEASIBILITY STUDY
STUDY CORRIDOR**

LEGEND

NC-210 ECG CORRIDOR
— Preliminary Routes

- Existing Greenways
- Roadways
- Rail
- Water Bodies
- Parks
- Schools
- Municipalities
- Counties

Project Schedule



Community Engagement

STEERING COMMITTEE MEETINGS:

- *Committee Meeting #1 – Project Kick-Off & Study Considerations (Today)*
 - *Project Schedule, Existing Conditions, Opportunities & Constraints, Mapping Exercise, Project Success*
- *Committee Meeting #2 – Route Development + Selection Criteria (Late August 2022)*
 - *Review of Community Survey Results, Route Alternatives Development, Refine Route Selection Criteria*
- *Committee Meeting #3 – Study Recommendations (October 2022)*
 - *Review of Community Input, Recommended Route Alignments, Typical Cross Sections + Design Considerations, Recommended Policies + Maintenance*
- *Committee Meeting #4 – Draft Study Review (December 2022 / January 2023)*
 - *Draft Study Review, Project Cut Sheets & Cost Estimates, Implementation Strategy*

Community Engagement

SURVEY + PUBLIC MEETINGS:

- *Community Survey – (June - July 2022)*
 - *Gather public input on support of the project and solicit user and corridor preferences*
- *Community Input Meeting #1 – Study Recommendations (October 2022)*
 - *Project Overview, Review of Community Input, Recommended Route Alignments, Typical Cross Sections + Design Considerations, Recommended Policies + Maintenance*
- *Community Input Meeting #2 – Draft Study Review (December 2022 / January 2023)*
 - *Draft Study Review, Project Cut Sheets & Cost Estimates, Implementation Strategy*

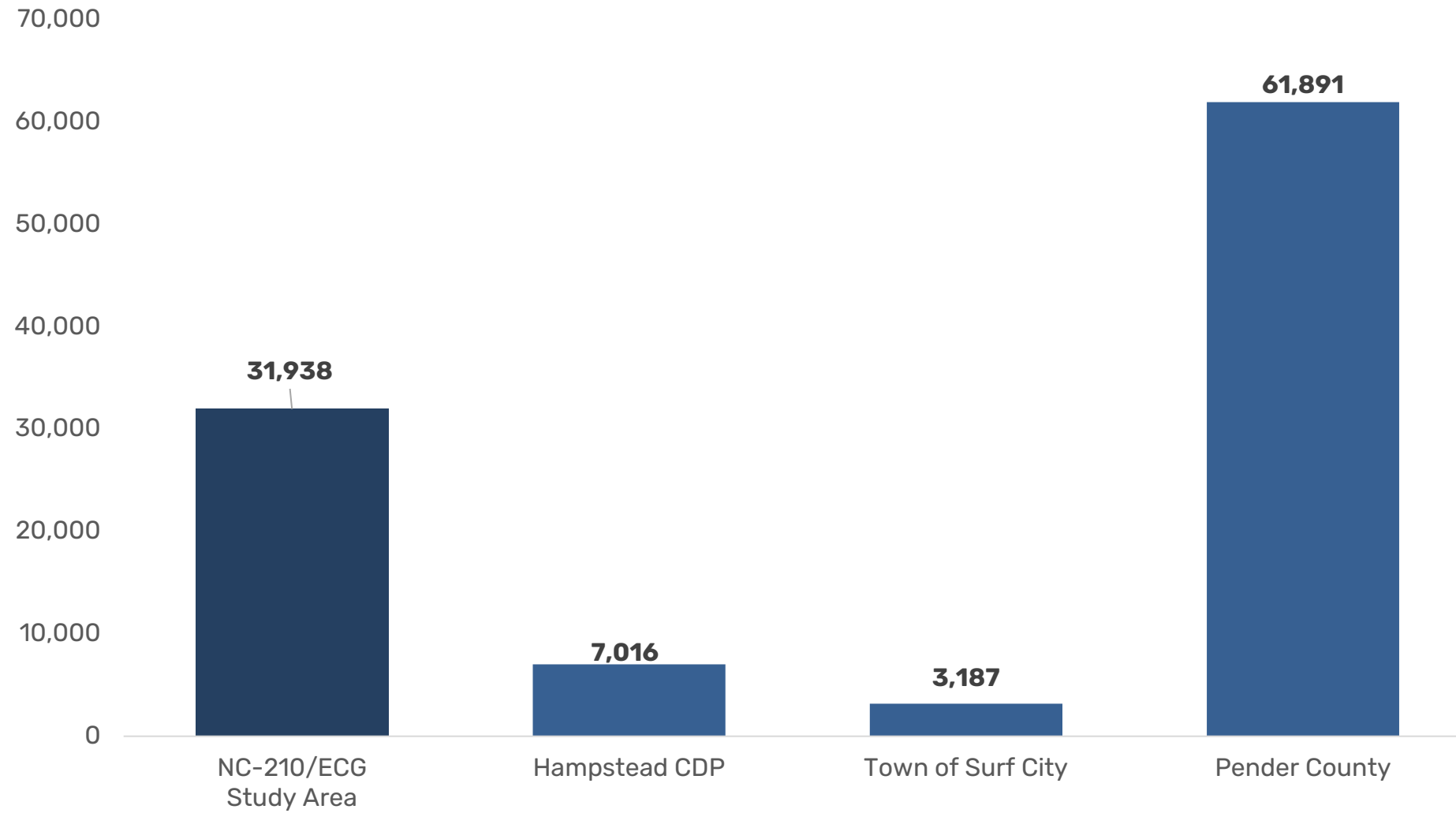
STAKEHOLDER MEETINGS:

- *Interjurisdictional Meetings (July - September 2022)*
 - *NCDOT Division 3, Pender, New Hanover, Onslow Counties, Town of Surf City, Town of North Topsail Beach, Wilmington MPO*
- *Private Stakeholder Meetings (July - September 2022)*
 - *Landowners, Developers, etc.*

Existing Conditions & Study Considerations

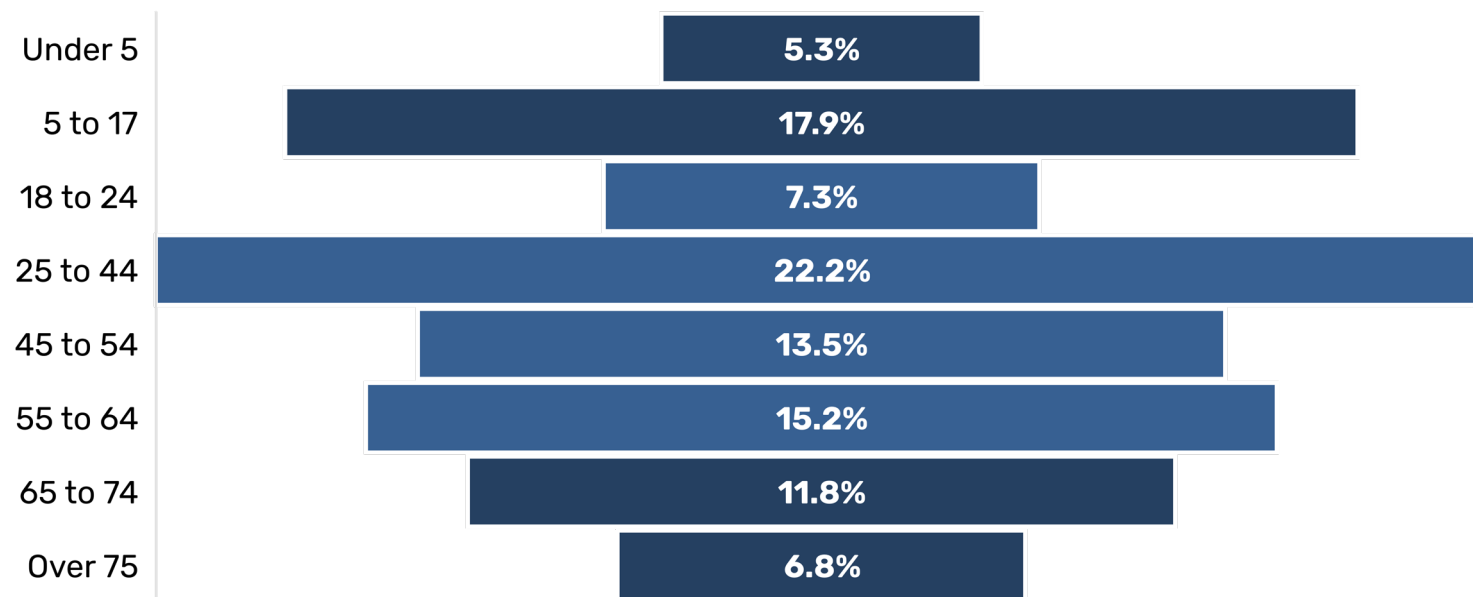


Study Area Demographics

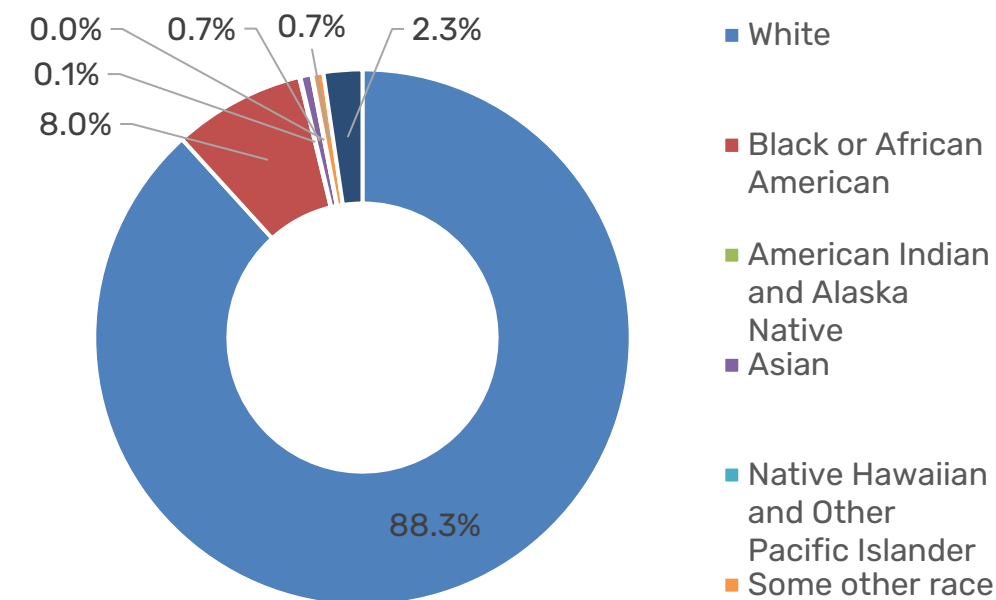


Population

Study Area Demographics



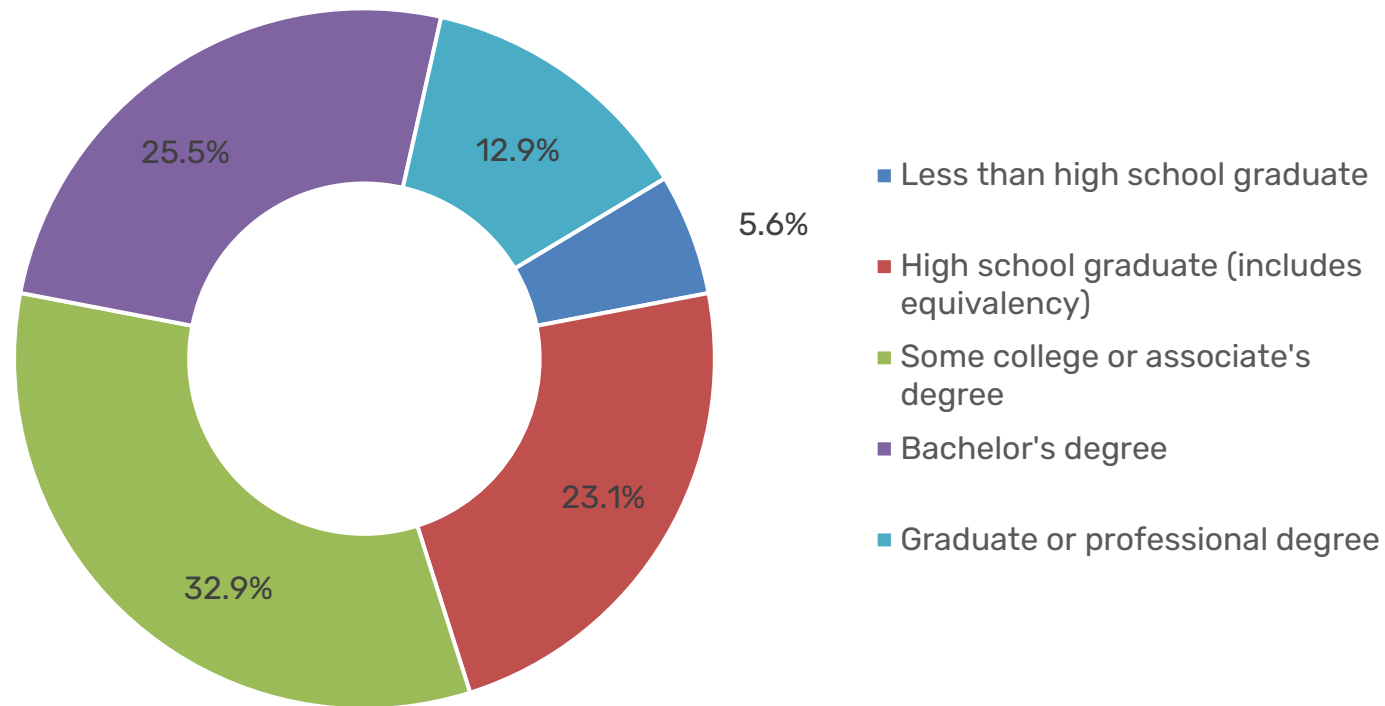
Age



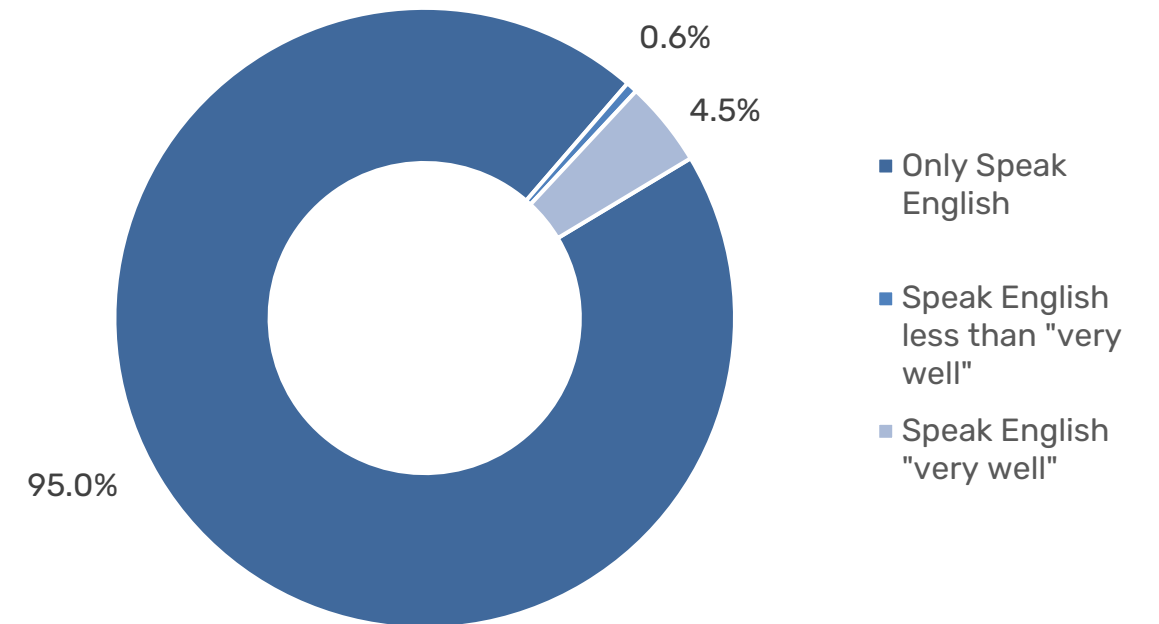
White alone,
not Hispanic
or Latino,
97.4%

Race + Ethnicity

Study Area Demographics

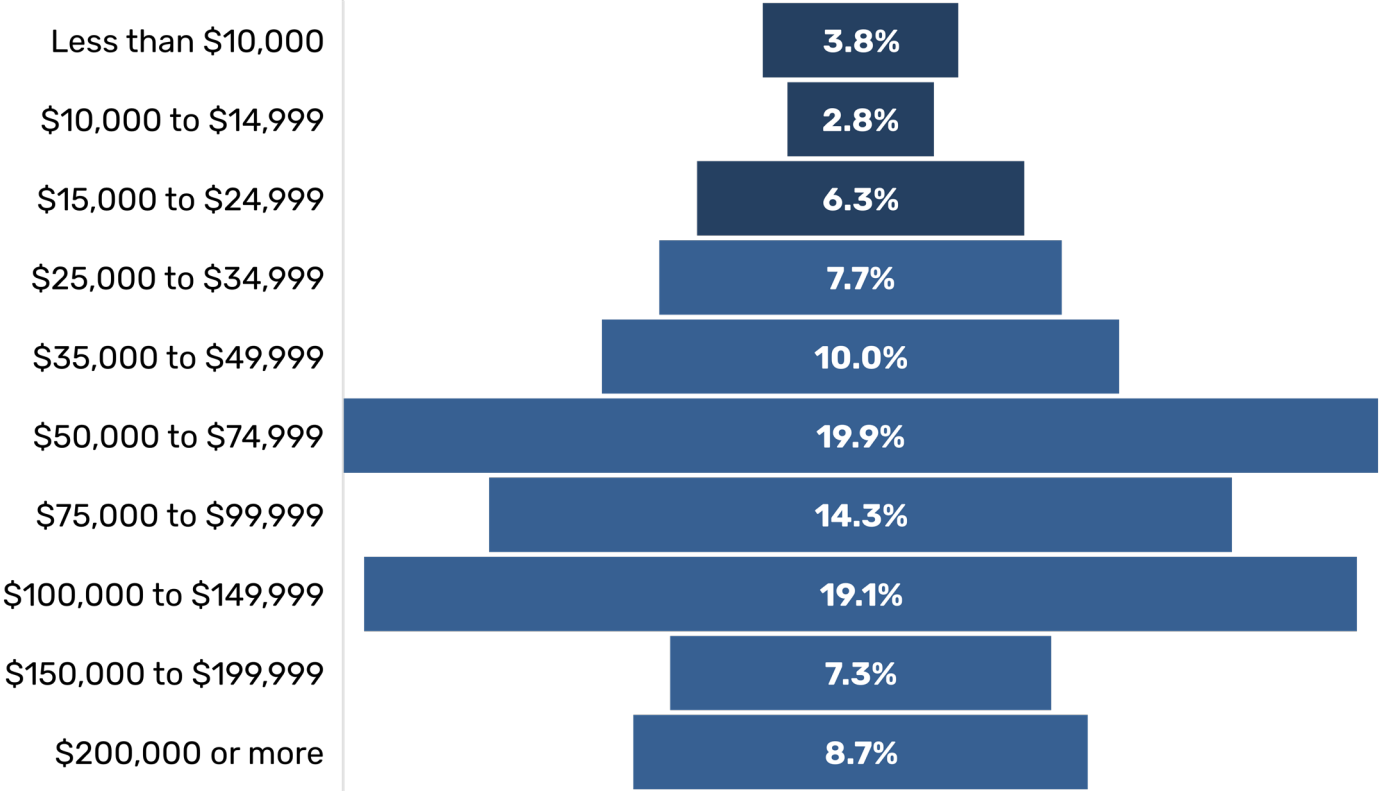


Education

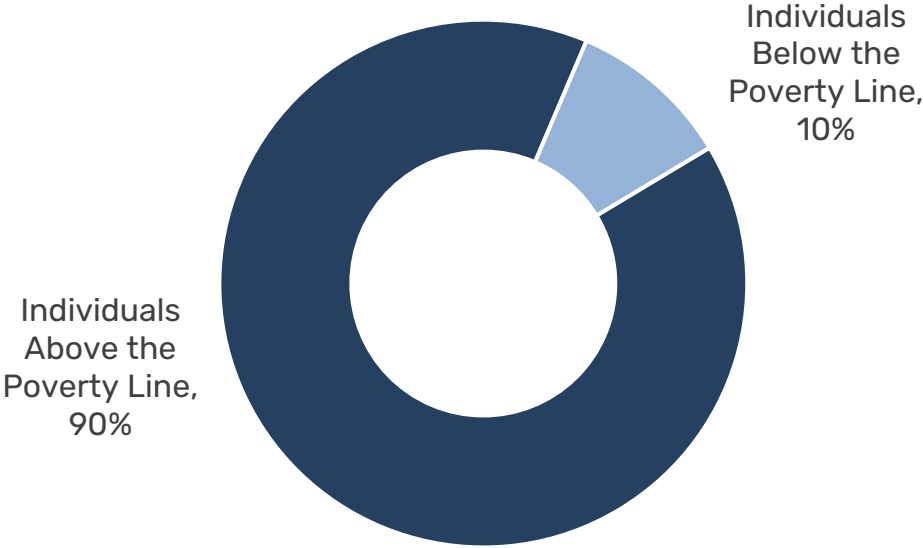


Language Proficiency

Study Area Demographics

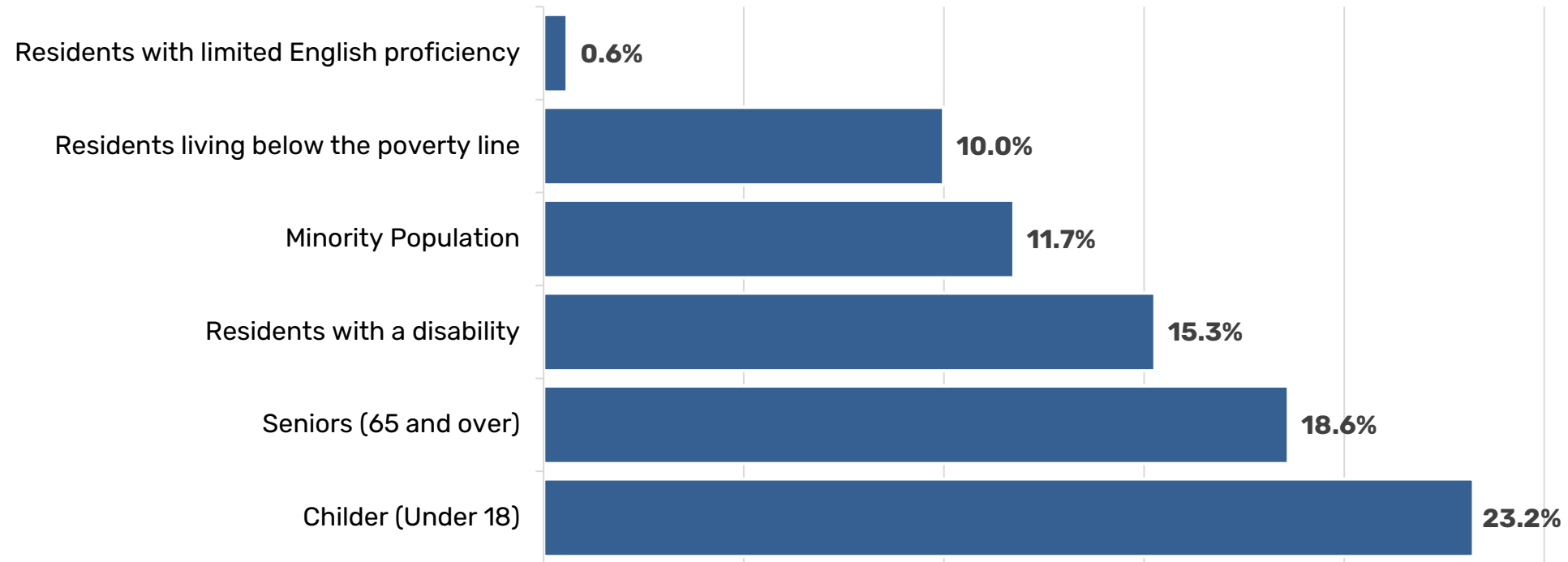


Household Income



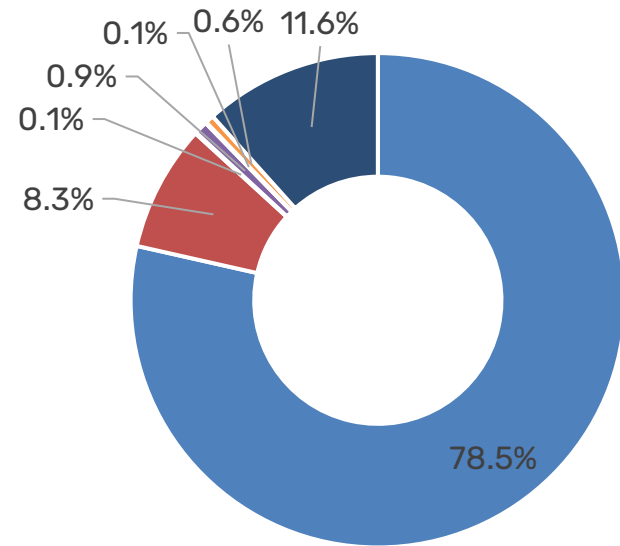
Poverty Status

Study Area Demographics



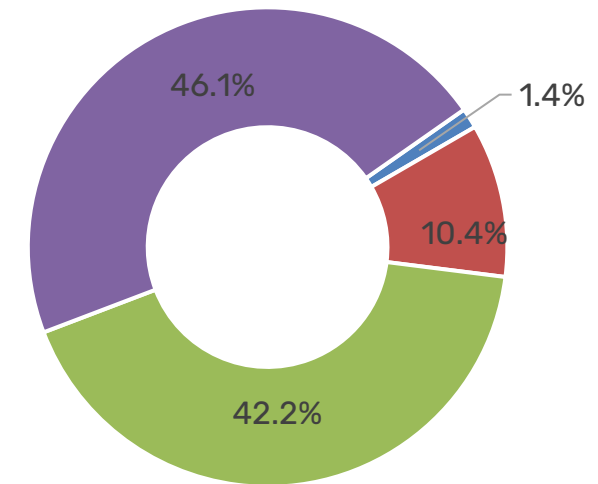
Vulnerable Populations

Study Area Demographics



- Drove alone
- Carooled
- Public transportation (excluding taxicab)
- Walked
- Bicycle
- Taxicab, motorcycle, or other means
- Worked from home

Commute Mode Share



- No vehicle available
- 1 vehicle available
- 2 vehicles available
- 3 or more vehicles available

Vehicle Access

Previous Planning Efforts

LOCAL PLANS:

- *Pender County Parks and Recreation Master Plan (2022)* Identifies routes of both the East Coast Greenway and the Mountains to Sea Trail as valuable recreation facilities
- *Pender County Collector Streets Plan (2021)* Includes requirements such as multi-use path width and clear zone width. Recommends a collector street that would intersect US 17 at Long Leaf Drive, which may provide future trail connectivity options.
- *Pender 2.0 Comprehensive Land Use Plan (2018)* Includes a series of Goals, Objectives, Policies, and Recommended Actions relevant to greenway development.
- *Surf City Bicycle and Pedestrian Master Plan (2017)* Recommended multi-use paths overlapping with the proposed NC 210/ECG route, along portions of NC 210, NC 50, along the Duke Energy transmission easement, on side streets connecting to the Surf City Community Center, and along planned connector roads. Includes design standards
- *US 17/NC 210 Corridor Study (2012)* Included two potential greenway routes along the US 17 corridor using the Progress Energy easement from NC 210 in Surf City to NC 210 near Island Creek Drive or the abandoned rail line north of US 17

Previous Planning Efforts

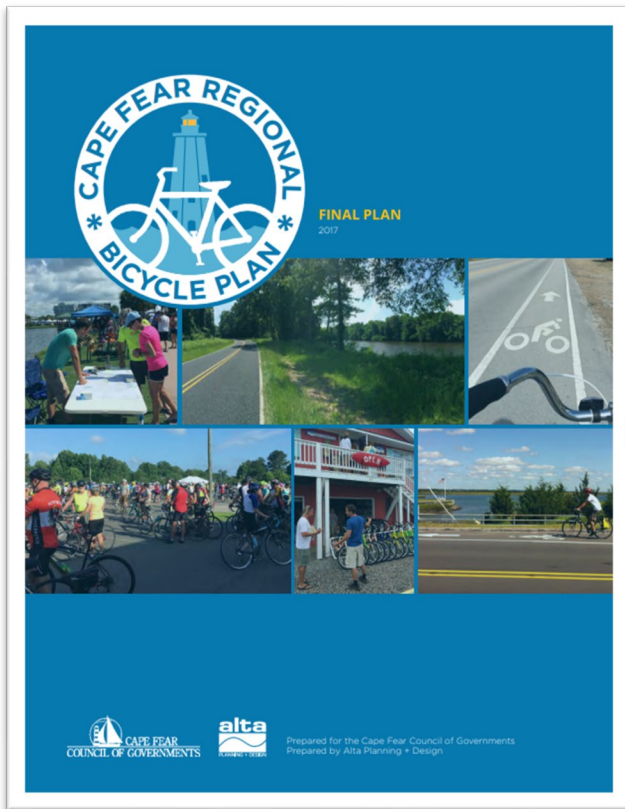
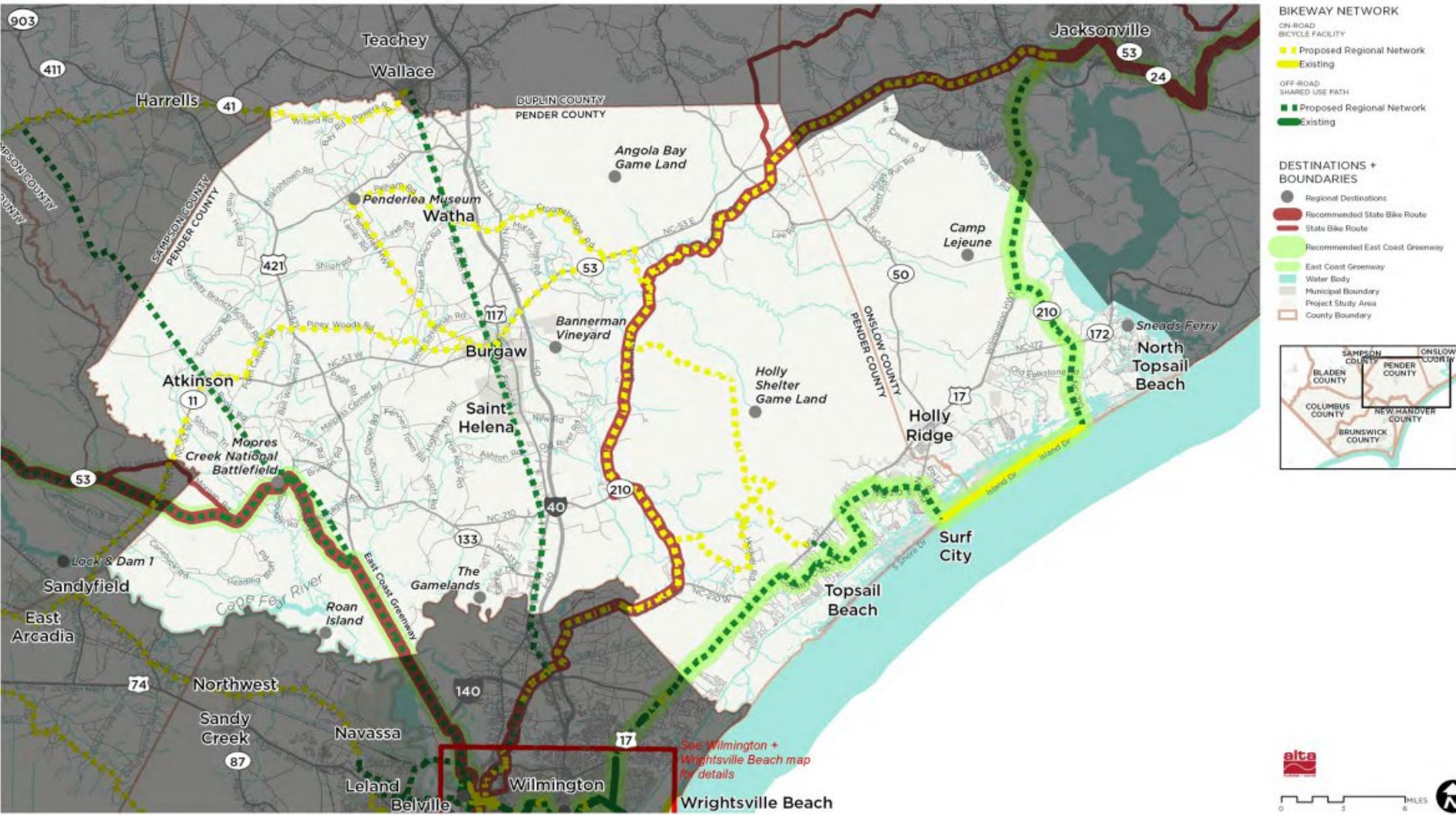
REGIONAL & STATEWIDE PLANS:

- ***NCDOT Great Trails State Plan (2022)***
 - *NC's Statewide Trails Plan – Plan identifies segment 3H in Pender County which runs along US 17 from NC 210 in Surf City, south to the New Hanover County Line.*
- ***Cape Fear Regional Bicycle Plan (2017)*** *Identifies portions of route in use by local cyclists, recommendations for assessment of East Coast Greenway Alignment, potential connection to Holly Shelter Game Lands*
- ***Mountains-to-Sea Master Plan (2015)*** *Identifies portions of route in use by local and thru-hikers, recommendations for assessment of Mountains-to-Sea Trail.*
- ***Topsail Area Comprehensive Transportation Plan (2011)*** *Identified the need for off-road bicycle facilities to parallel US 17 from NC 210 to Sloop Point Road. The plan includes recommendations for off road bicycle facilities both within the US 17 corridor and along a parallel route*

Previous Planning Efforts

Cape Fear Regional Bicycle Plan, 2017

MAP 3.3 - LONG-TERM NETWORK: PENDER + ONSLOW COUNTY

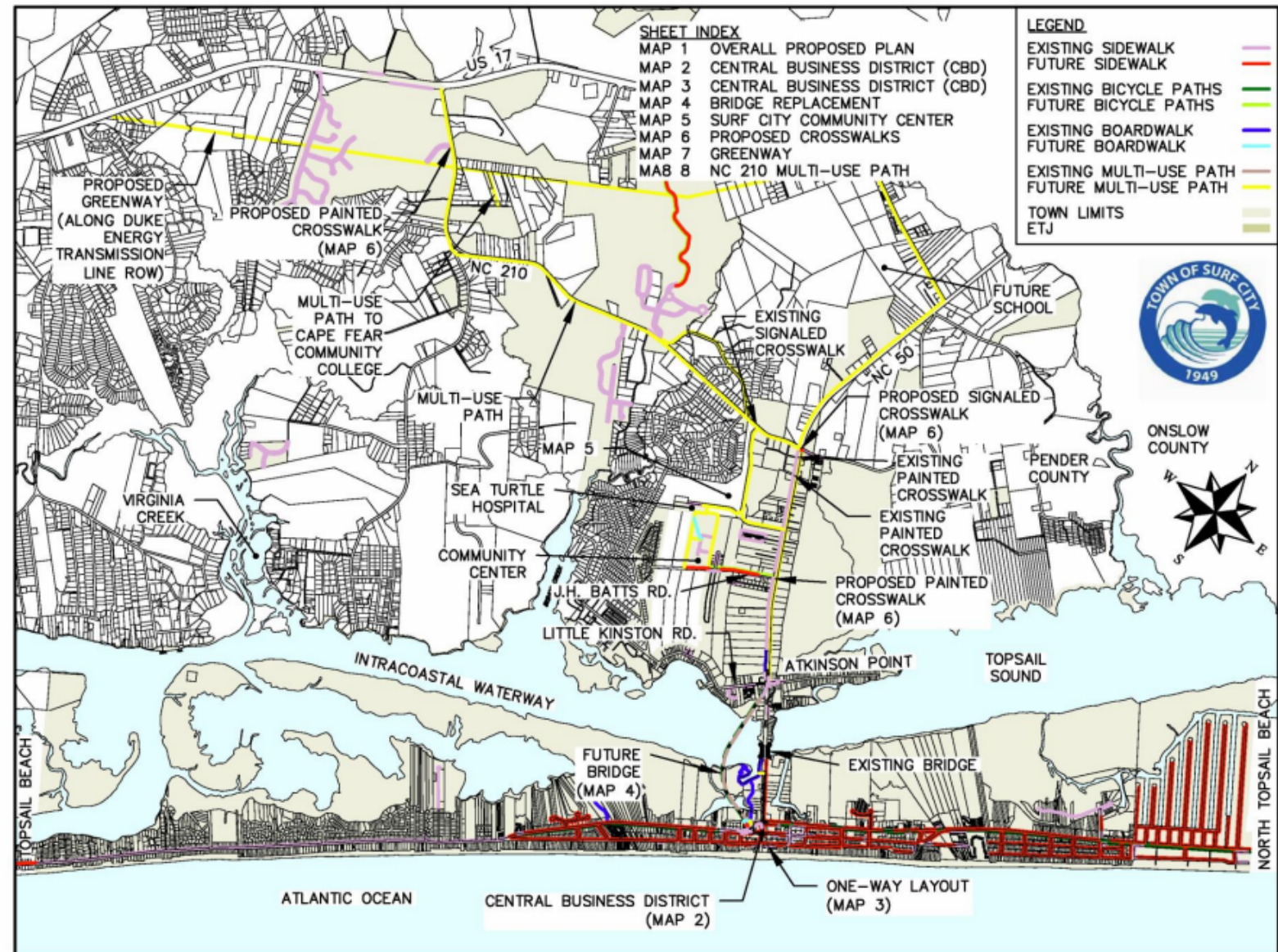


Previous Planning Efforts

Surf City Comprehensive Bicycle and Pedestrian Master Plan, 2016

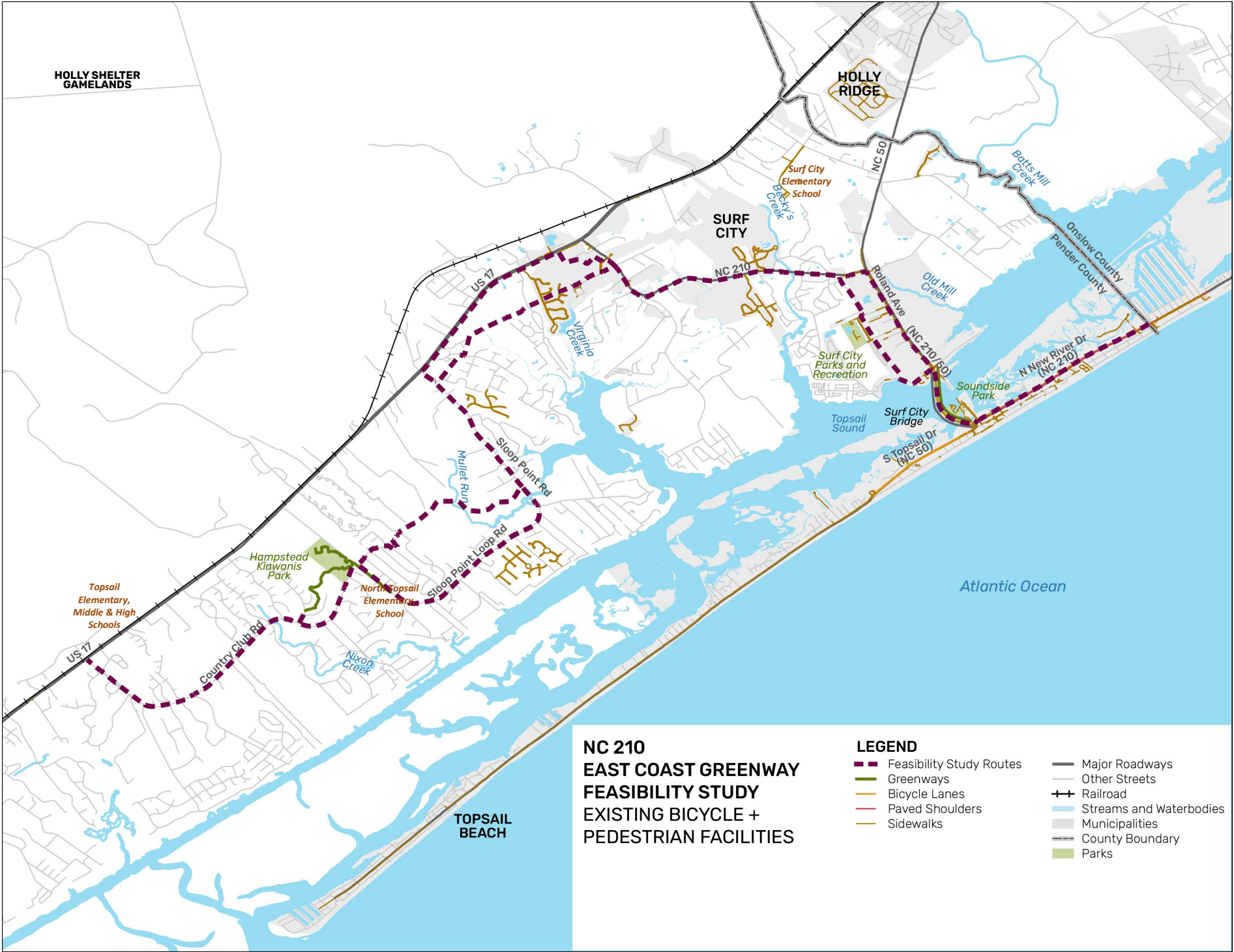


MAP 1 – OVERALL PROPOSED PLAN

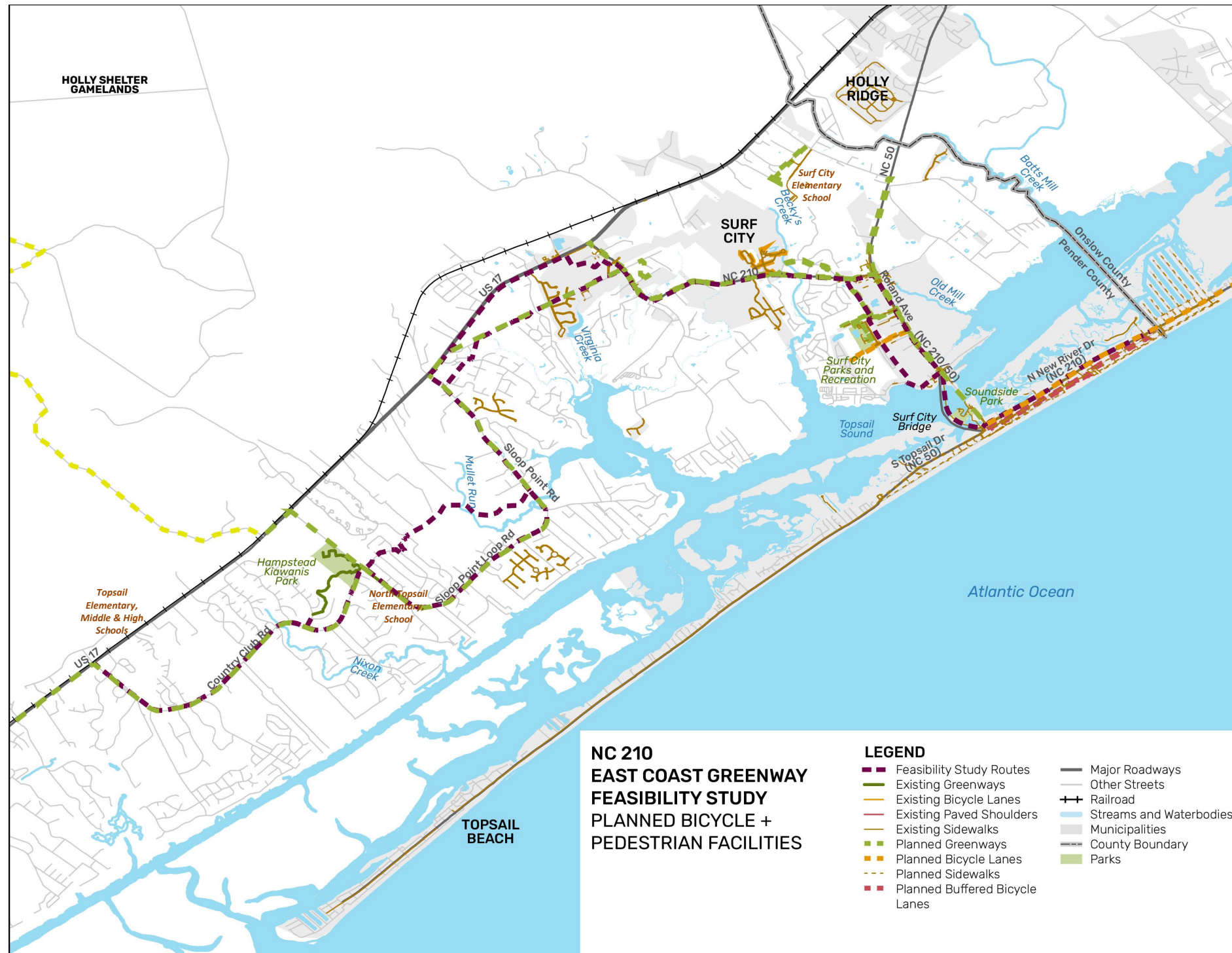


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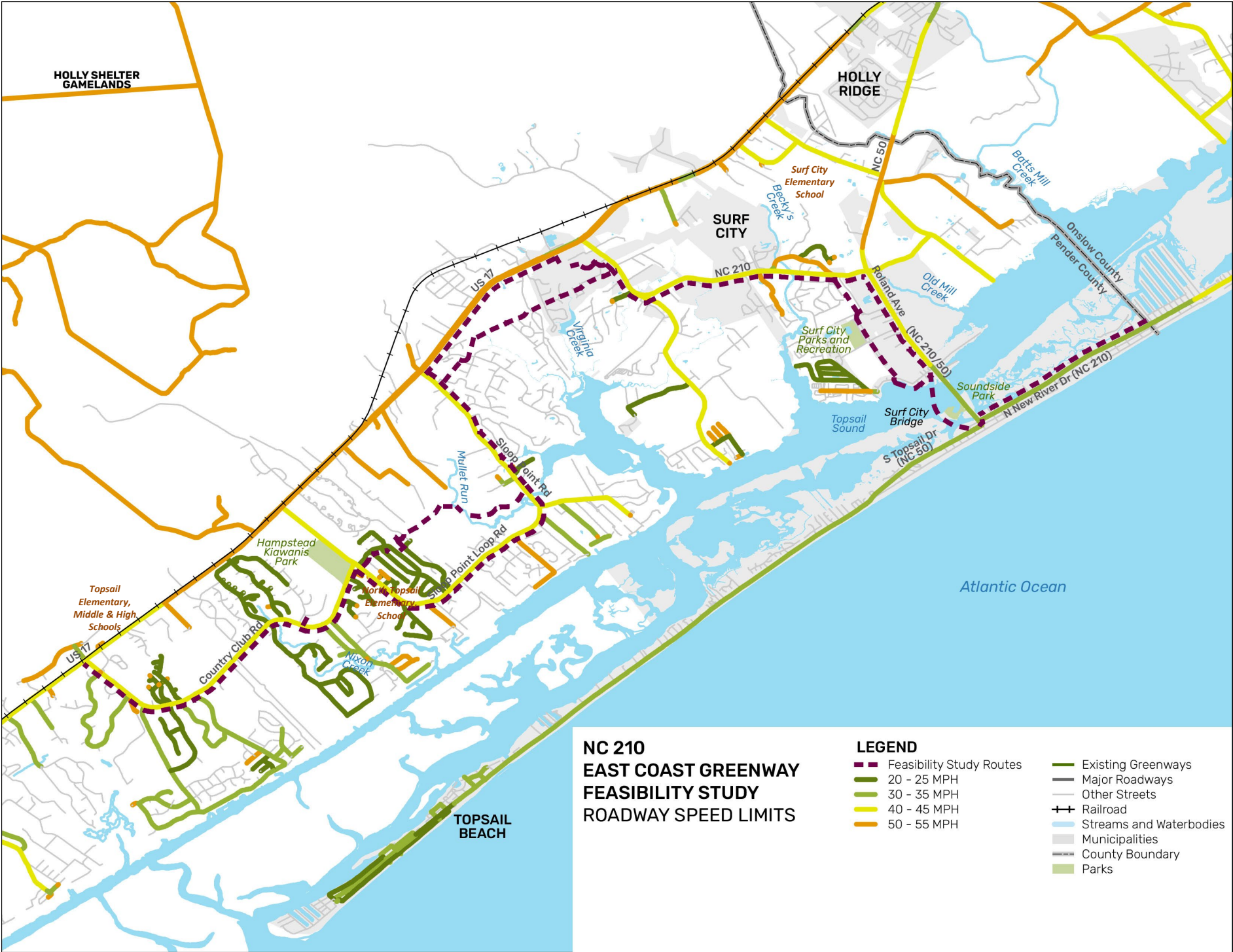
EXISTING BICYCLE + PEDESTRIAN FACILITIES



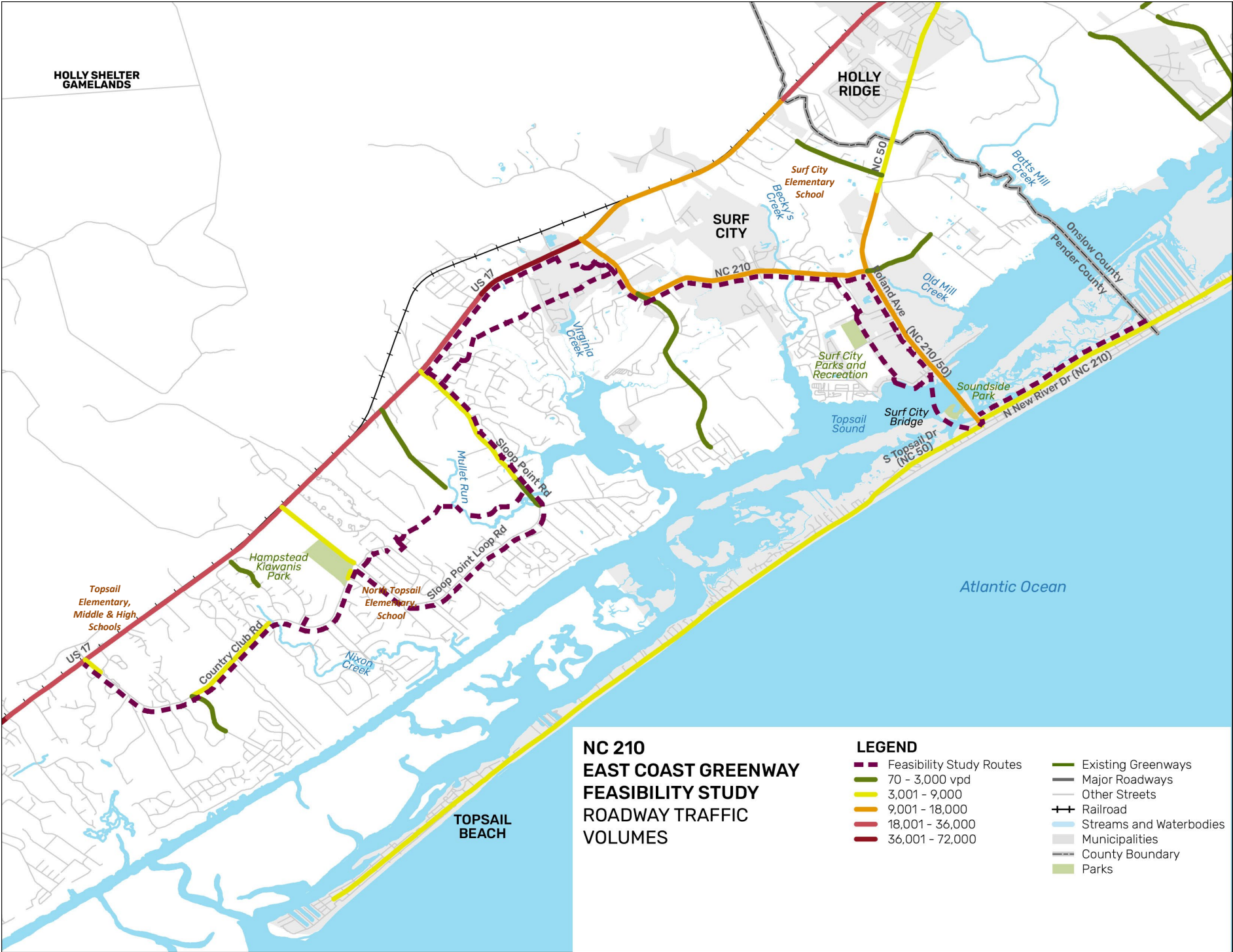
PLANNED BICYCLE + PEDESTRIAN FACILITIES



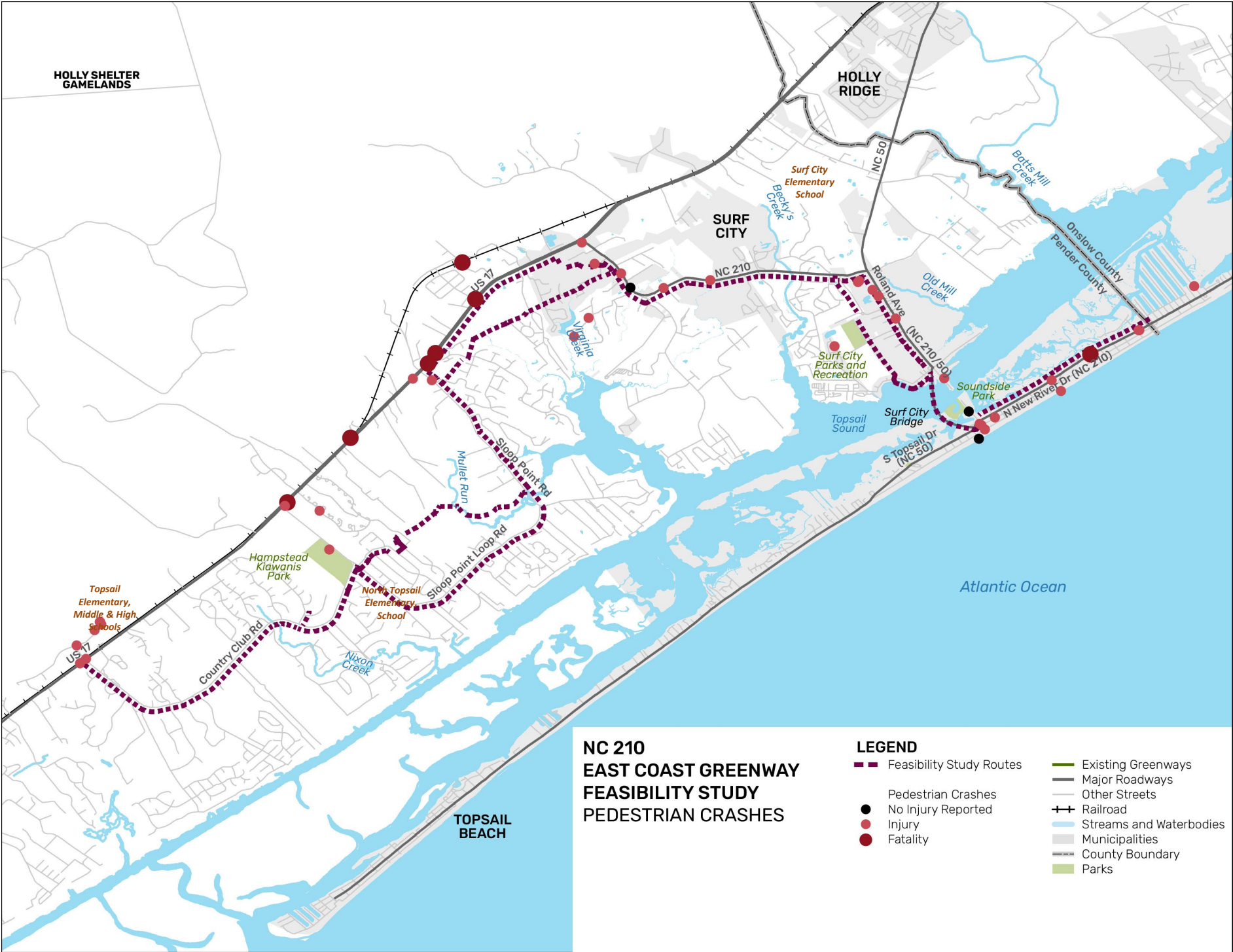
ROADWAY SPEED LIMIT



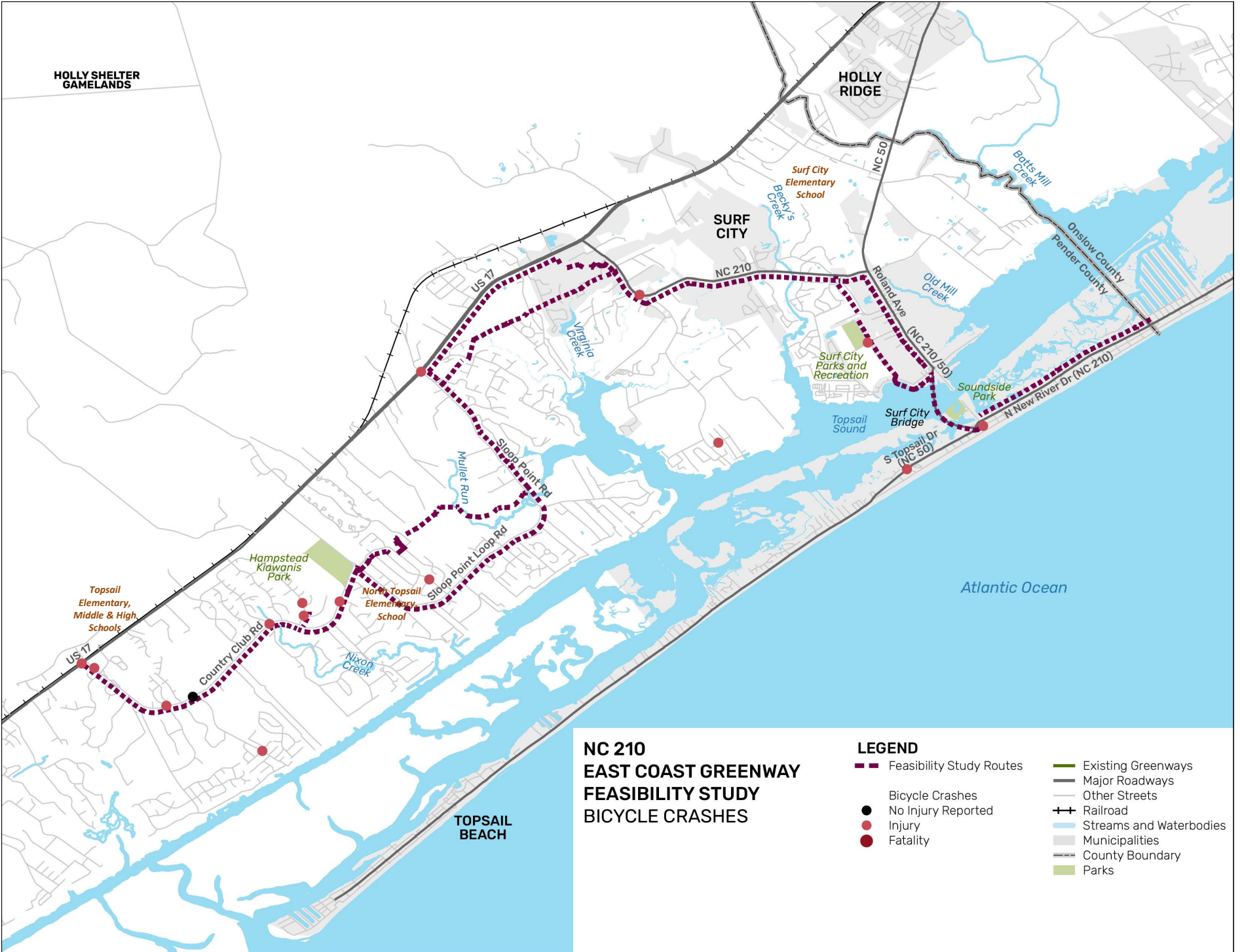
ROADWAY TRAFFIC VOLUME



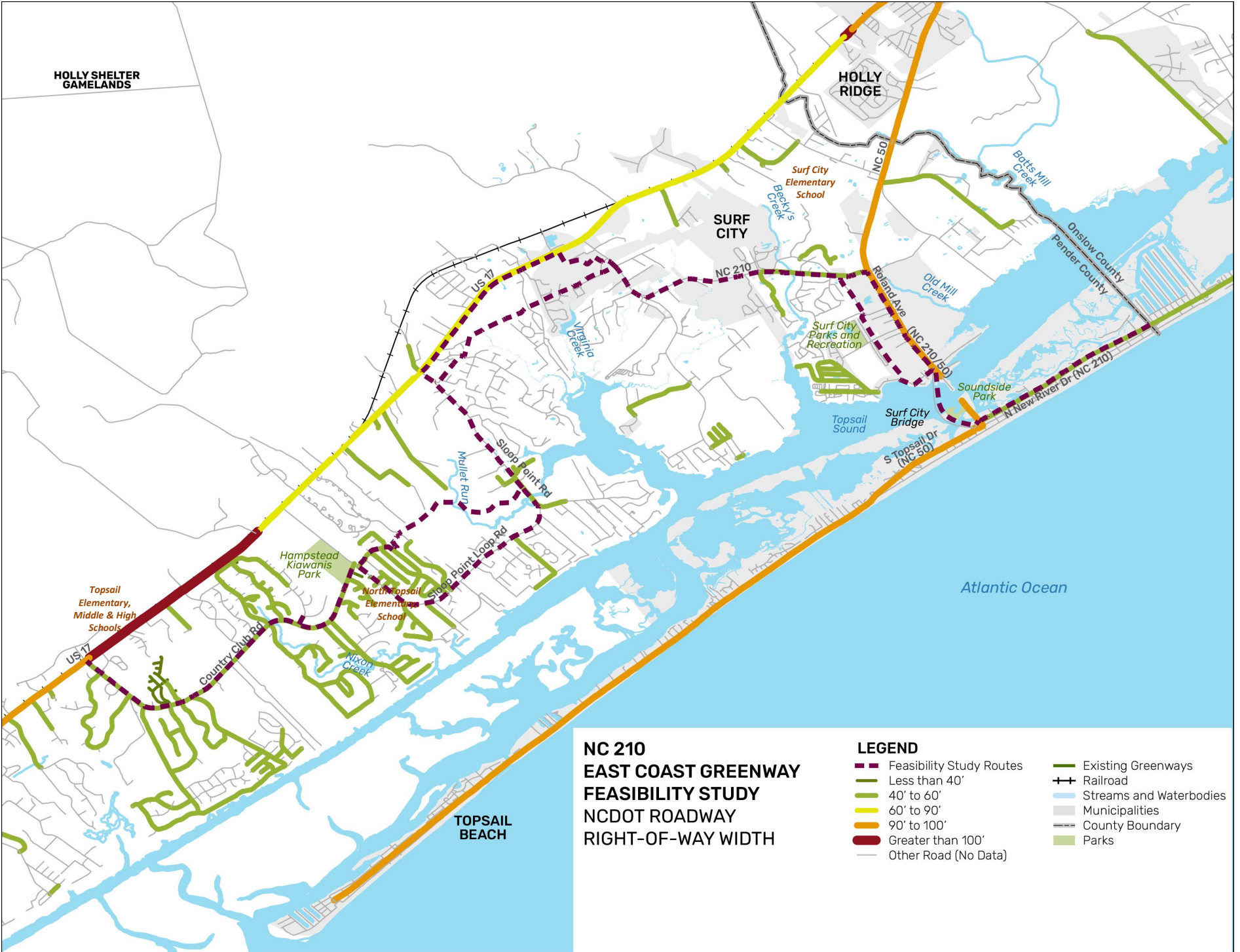
PEDESTRIAN CRASHES



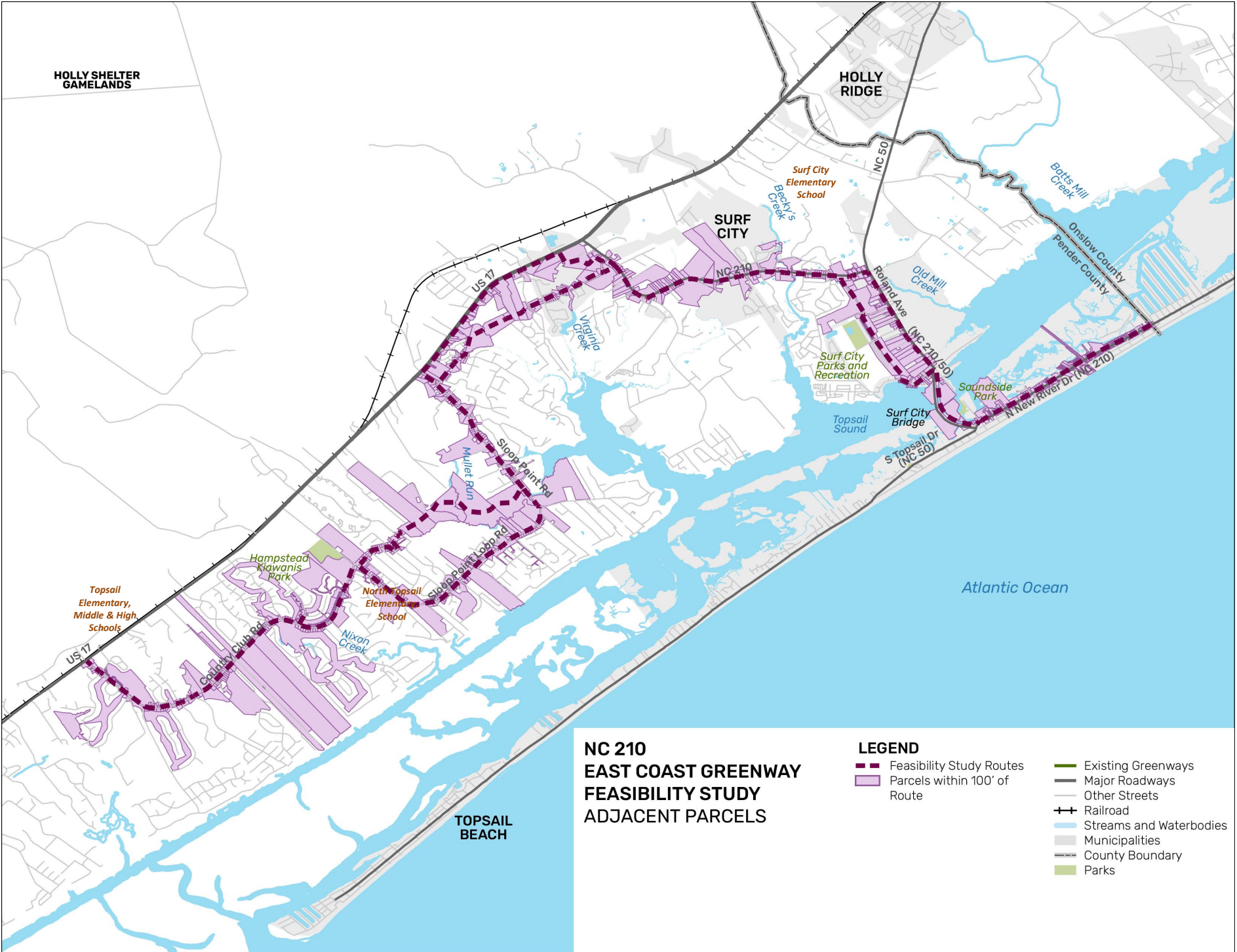
BICYCLE CRASHES



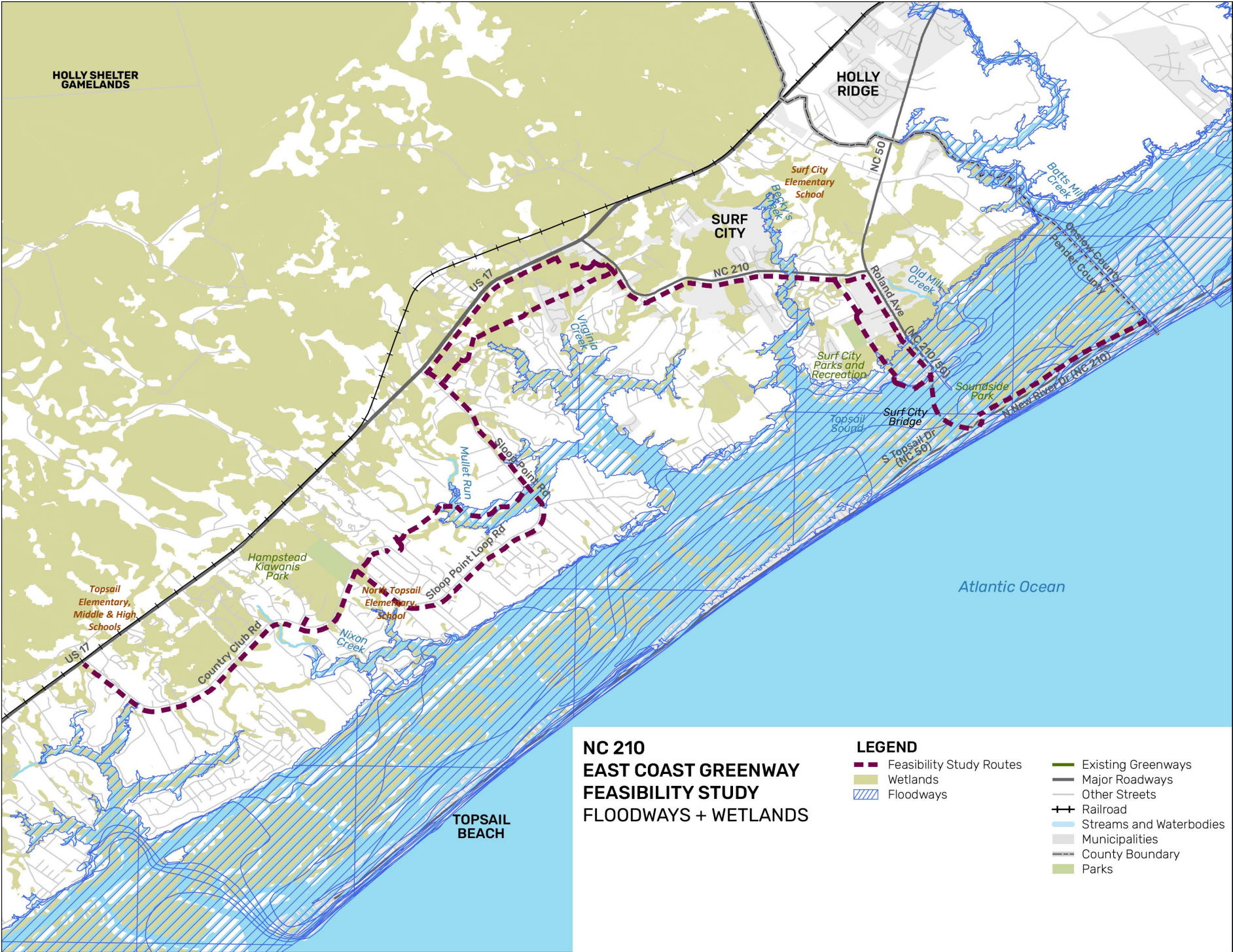
ROADWAY RIGHT-OF-WAY (ROW)



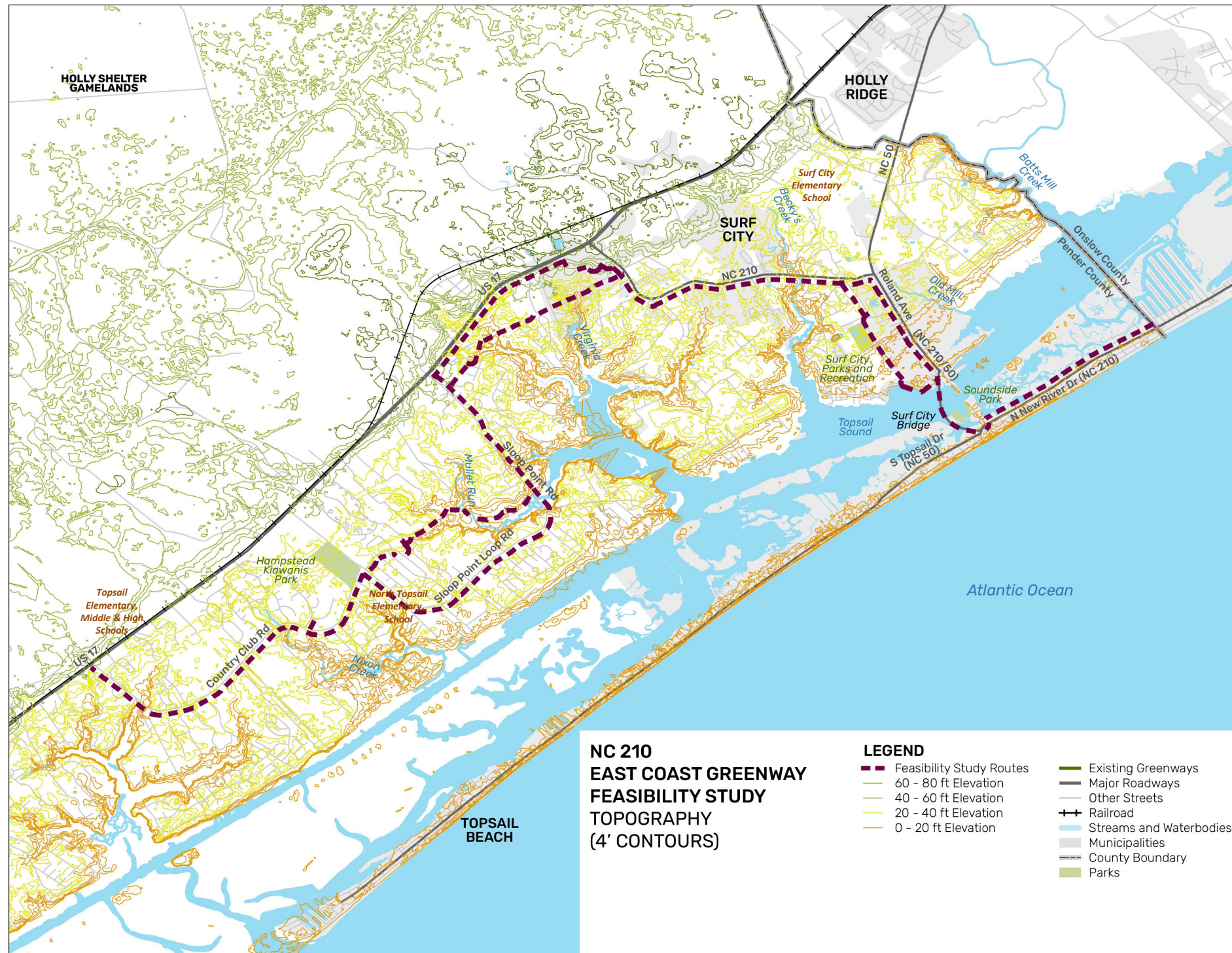
ADJACENT PARCELS



WETLANDS & FLOODPLAIN



TOPOGRAPHY



OPPORTUNITIES & CONSTRAINTS

- Topography
- Jurisdictional Features
- FEMA Floodway / Floodplain
- Structures (Walls/Bridges/Boardwalks)
- Traffic Context (Volume/Speeds/Signals)
- Right-of-Way / Property Impacts
- Building Setbacks
- Driveways / Conflict Points
- Utility Impacts
- Drainage Impacts
- Constructability
- Cost Effective
- Long-Term Maintenance

TOPOGRAPHY



Right of Way at North Topsail Elementary School



Sloop Point Loop Rd. at Sloop Point Rd



Boardwalk at NC 50 near Surf City Bridge

JURISDICTIONAL FEATURES / FLOODPLAIN



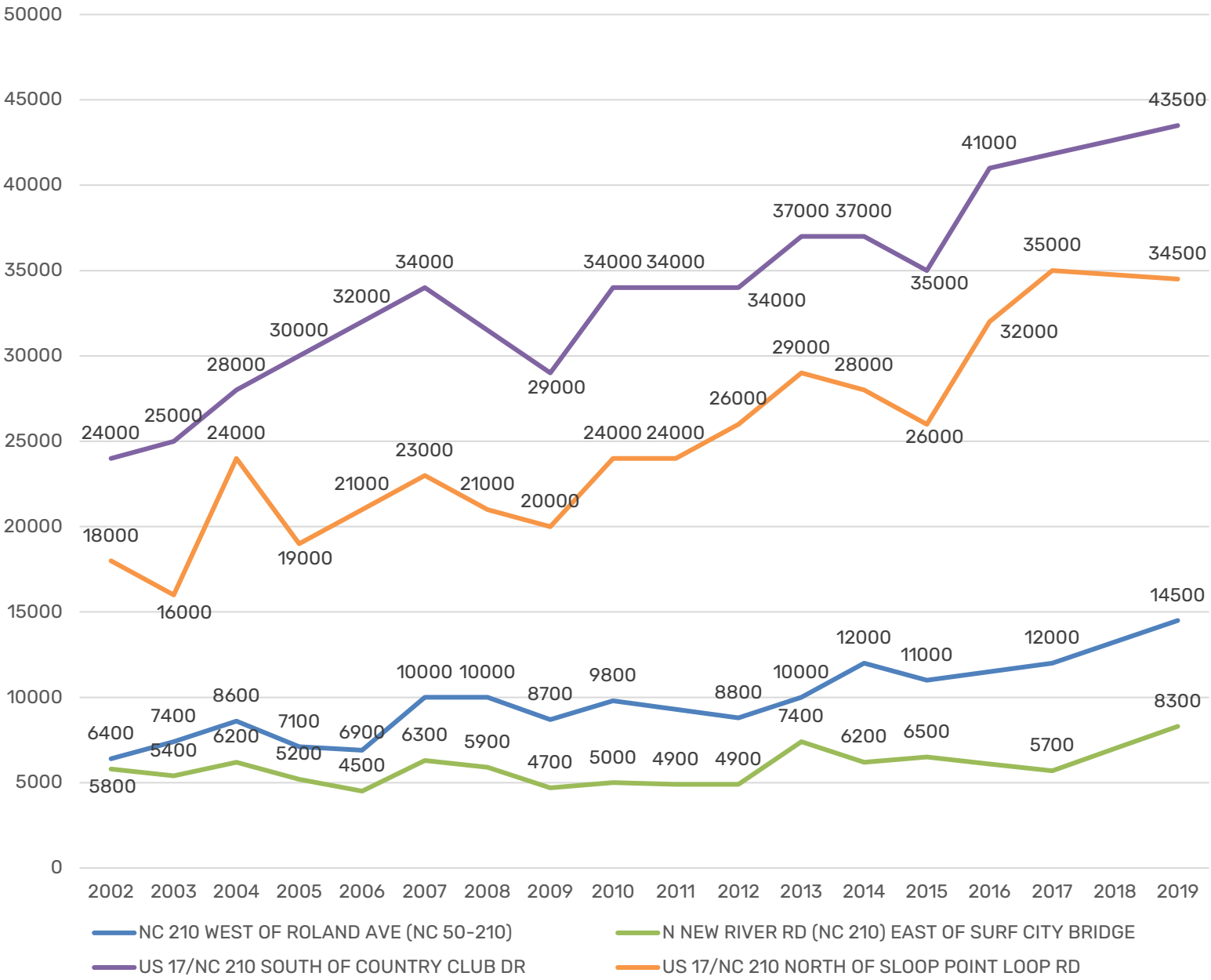
Boardwalk at wetlands along NC 50



Mullet Run; Image: Google Earth.

TRAFFIC CONTEXT

NC-210/ECG Study Area AADT



NC 210 at Sloop Point Rd



Traffic at Roland Ave (NC 50) and NC 210 near CVS and McDonalds

BUILDING SETBACKS / BUSINESS / PROPERTY IMPACTS



NC 210 at Surf City Parking Authority



NC 210 at Shoppes at the Promenade / Walmart



NC 210 at Shopping Plaza on Topsail Island



Access Realty on NC 210

DRIVEWAYS / CONFLICT POINTS



Exxon Service Station with wide curb-cuts at NC 17 and NC 210



Closely spaced Residential Driveways



Intersection of NC 17 and NC 210



Residential Area of NC 210 on Topsail Island Near Albury Recreation Area

UTILITY / DRAINAGE IMPACTS



Existing Trail at Utility Lines along NC 210



Duke Energy Corridor



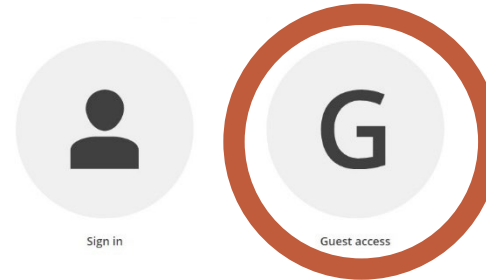
Sewer Manhole

Mapping Assessment and Project Success: CONCEPT BOARD

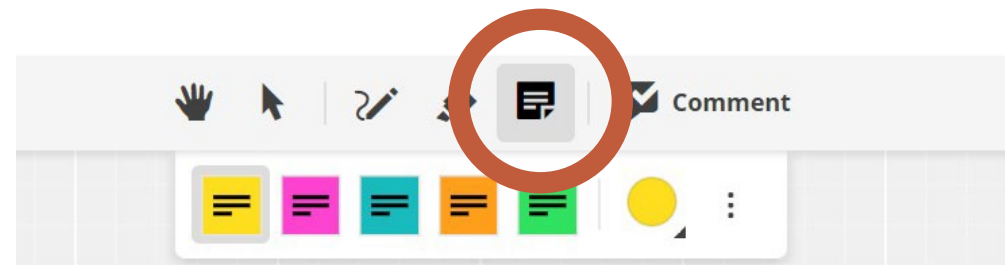
1. Click on link in chat box

<https://app.conceptboard.com/board/0y8x-112e-r9xm-7xam-0q1k>

2. Select Guest Access

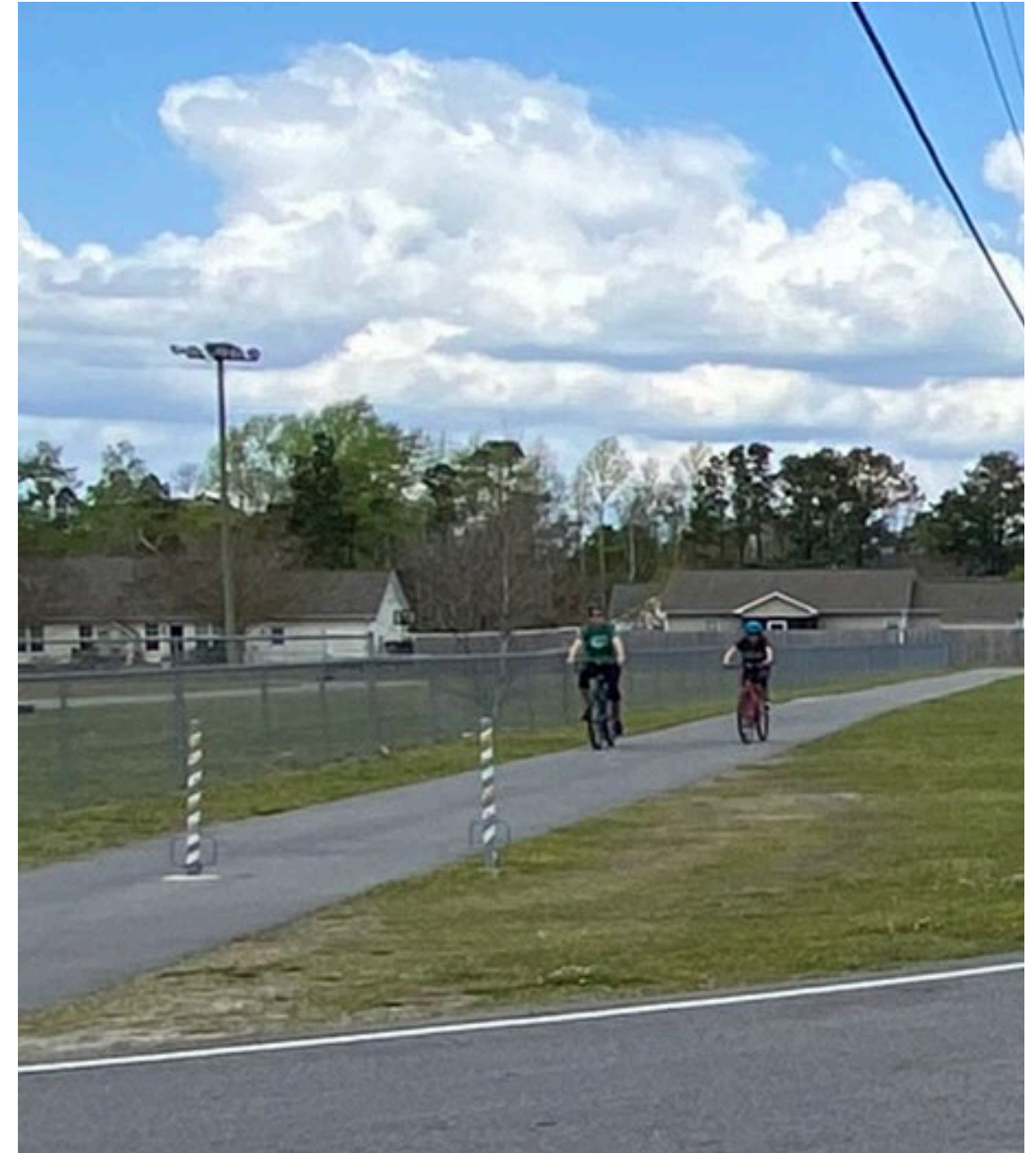


3. Select "post it note" to share your input.



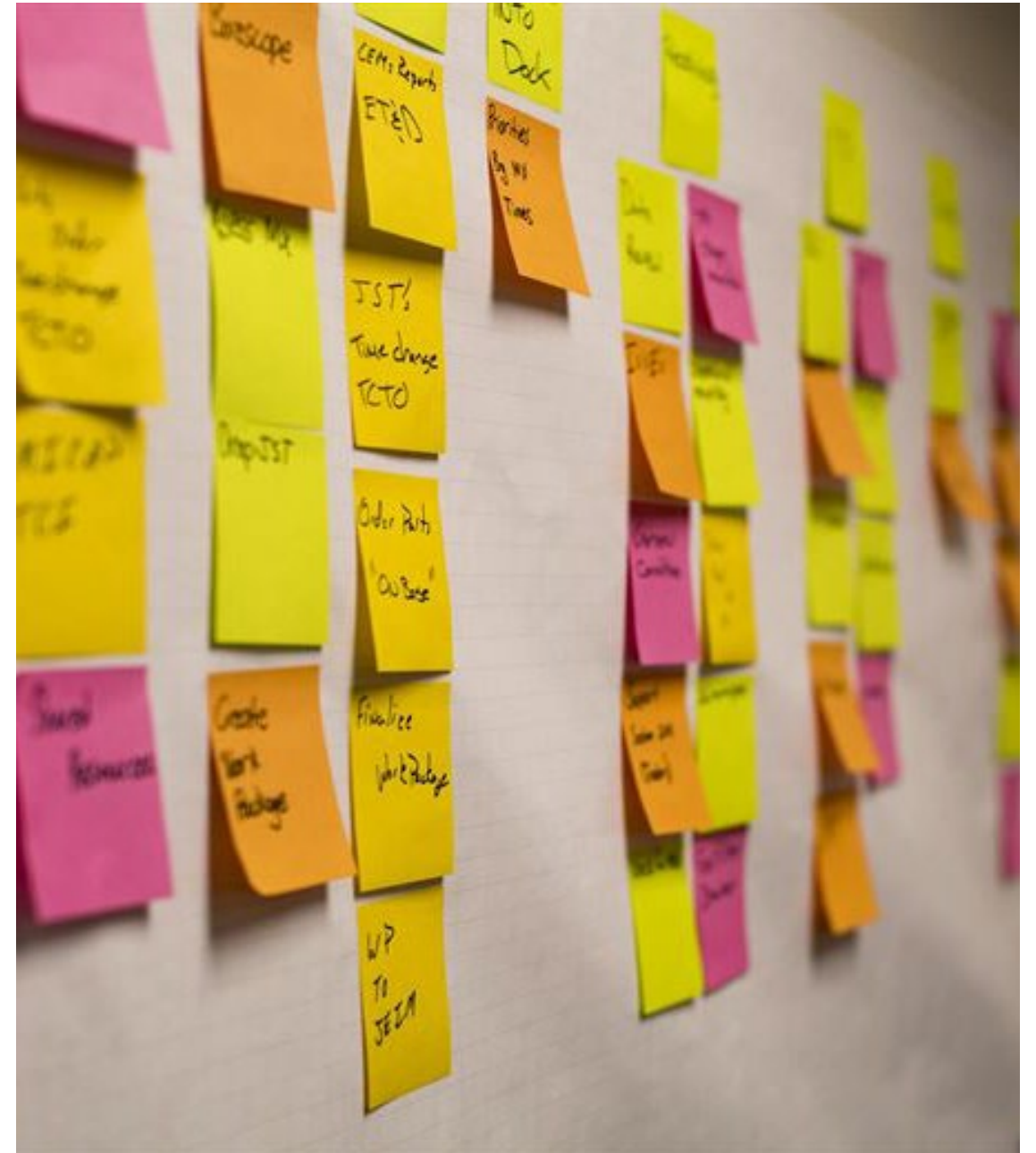
Mapping Assessment

- Where are the Opportunities & Constraints?
- Where are there:
 - Unique places
 - Key Connections
 - Upcoming Projects
 - Key Landowners , Developers or Institutions
 - Other



Defining Project Success

- What does project success look like?
- What are the biggest obstacles?
- What are the opportunities?



What's Next

- Review draft survey questions
- Recommend key stakeholder contacts to participate in the project (e.g. schools)
- Share data sources (plans, studies, future developments and projects)
- Expect an Email update on:
 - Finalized survey to share with your network
 - Coordinating the next meetings of this group



Thank you!



Questions?

Contact Us:

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Kathryn Zeringue

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Graham Bruns

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