



NORTH CAROLINA Department of Transportation



Concurrence Points 1 and 2 Informational Meeting

Purpose and Need, Project Study Area, Detailed Study Alternatives

NCDOT STIP Project No. U-5949: widen NC 210 to multi-lanes from US 17 to south of SR 1518 (Old Folkstone Road) in Onslow County

August 19, 2026

Meeting Agenda

- Introductions
- Purpose of the meeting
- Project overview/history
- Concurrence Points 1 and 2 Review
- Updates
- Next Steps / Schedule
- General discussion / action item review

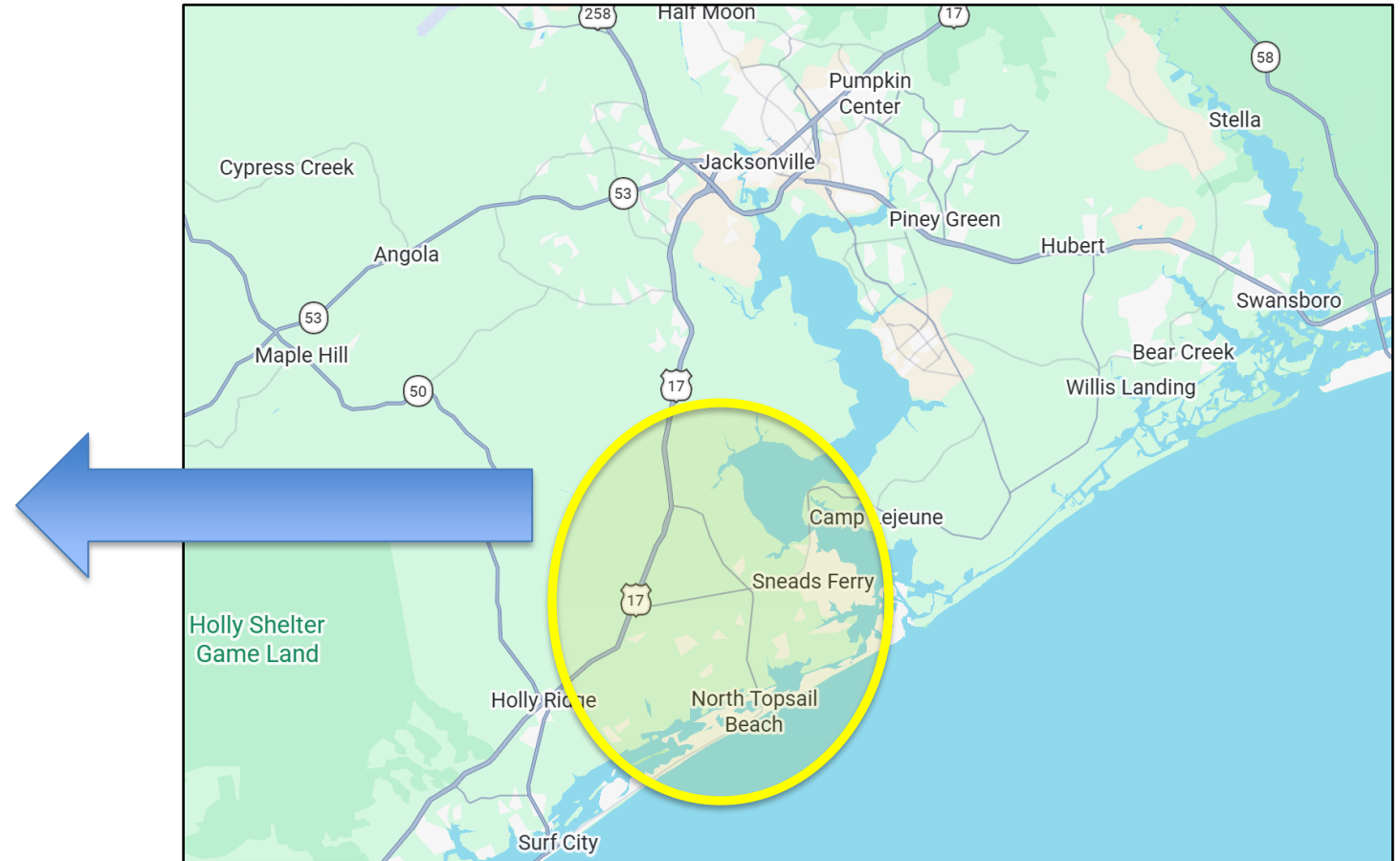
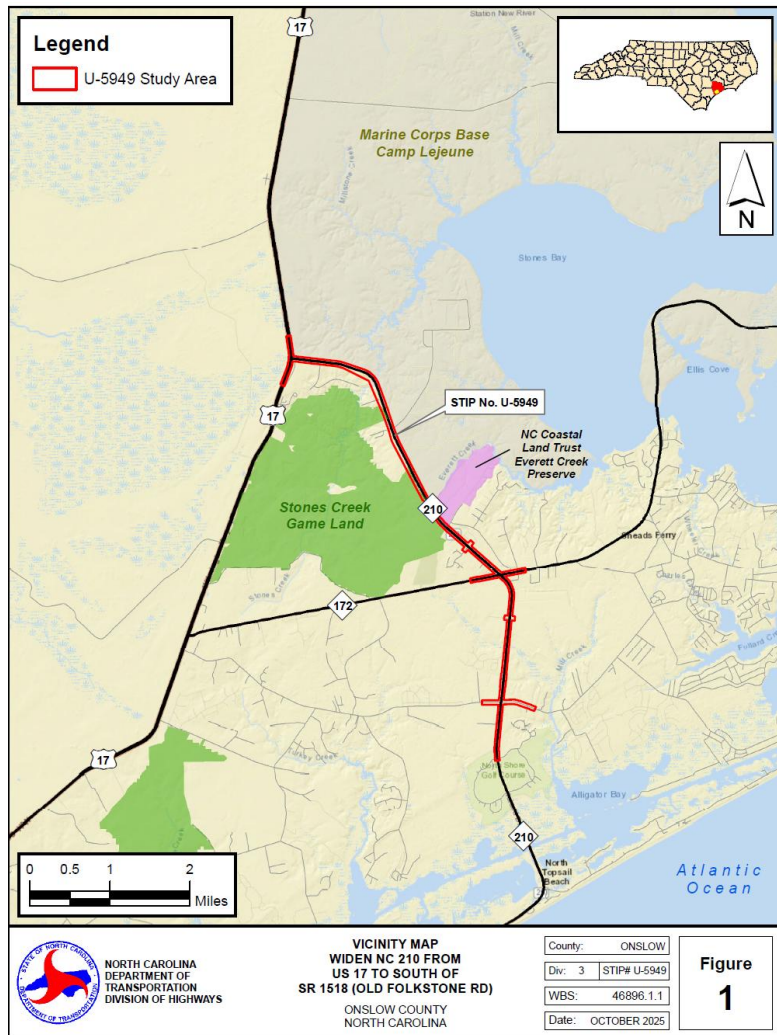


Meeting Purpose

To update the Merger Team on progress since the last Merger Meeting on August 22, 2019, add FHWA as the lead agency to the Merger Team, and confirm concurrence on the purpose and need of the project, study area, and detailed study alternatives

Project Overview/History

Project Location



Points of Interest: Jacksonville, Sneads Ferry, Camp Lejeune, Stones Creek Game Lands, Everett Creek Preserve, North Topsail Beach

Project Description

U-5949 – widen NC 210 to multi-lanes from US 17 to south of SR 1518 (Old Folkstone Road)

Project Cost

The estimated costs (10/8/24) are state-funded and shown below.

• Right of Way	\$33,200,000
• Utilities	\$15,400,000
• Construction	\$115,400,000
• Total:	\$164,000,000

Concurrence Point 1 Review

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May 20, 2019

Section 404/NEPA Merger Team Meeting Agreement

Concurrence Point No. 1: Project Purpose & Need and Proposed Study Area

Project Name/Description: Widen NC 210 from two lanes to a four-lane median-divided facility from US 17 to south of SR 1518 (Old Folkstone Road) in Onslow County, North Carolina., WBS No. 46896.1.1, State Transportation Improvement Program (STIP) Project No. U-5949.

Purpose and Need of Proposed Project

The needs to be addressed by this project can be summarized as follows:

- Traffic congestion exists along the existing facility and is expected to worsen in the future.

The purpose of the proposed project is to alleviate motorized vehicle congestion along NC 210 between US 17 and south of Old Folkstone Road (SR 1518), with the goal of achieving an overall level of service (LOS) D or better within the project area during peak hour operations. Where feasible, the goal of the project will also be to bring signalized and unsignalized intersections to LOS D or better.

Project Study Area

The proposed project study area was developed to address the stated purpose and need for U-5949. The project study area is bounded by the project limits and the project need of the Merger packet dated August 16, 2018.

The Project Team members have concurred, on this date of May 20, 2019, on the project purpose and need as stated above and the project study area fully depicted in Figures 1 and 2 of the Merger packet dated August 16, 2018.

Organization	Signature	DATE
US Army Corps of Engineers	Brad Shaver	5/20/2019
US Fish & Wildlife Service	Brad Shaver	5/20/2019
NC Division of Water Resources	Mary Jordan	5/20/2019
NC Wildlife Resources Commission	Gary Jodan	5/20/2019
US Environmental Protection Agency	James Steinhuis	5/21/2019
	Joanne Steinhuis	5/21/2019
	Travis Wilson	5/21/2019
	Travis Wilson	5/21/2019
	Amanetta Somerville	5/21/2019

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CP 1 and 2 Meeting 8/16/2018
CP 1 Addendum 4/26/2019
CP1 Signed 5/23/2019

Purpose and Need & Study Area Defined

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NC Department of Transportation

NC State Historic Preservation Office

NC Division of Coastal Management

Jacksonville Metropolitan Planning Organization

Signature	DATE
Krista Kimmel	5/20/2019
Krista Kimmel	5/20/2019
Renee Meddell-Earley	5/21/2019
Renee Meddell-Earley	5/21/2019
Calley Bringham	5/23/2019
Calley Bringham	5/23/2019
Anthony Prinz	5/23/2019
Anthony Prinz	5/23/2019

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Concurrence Point 1

Project Purpose and Need

Project Need

- *Traffic congestion exists along the existing facility and is expected to worsen in the future.*

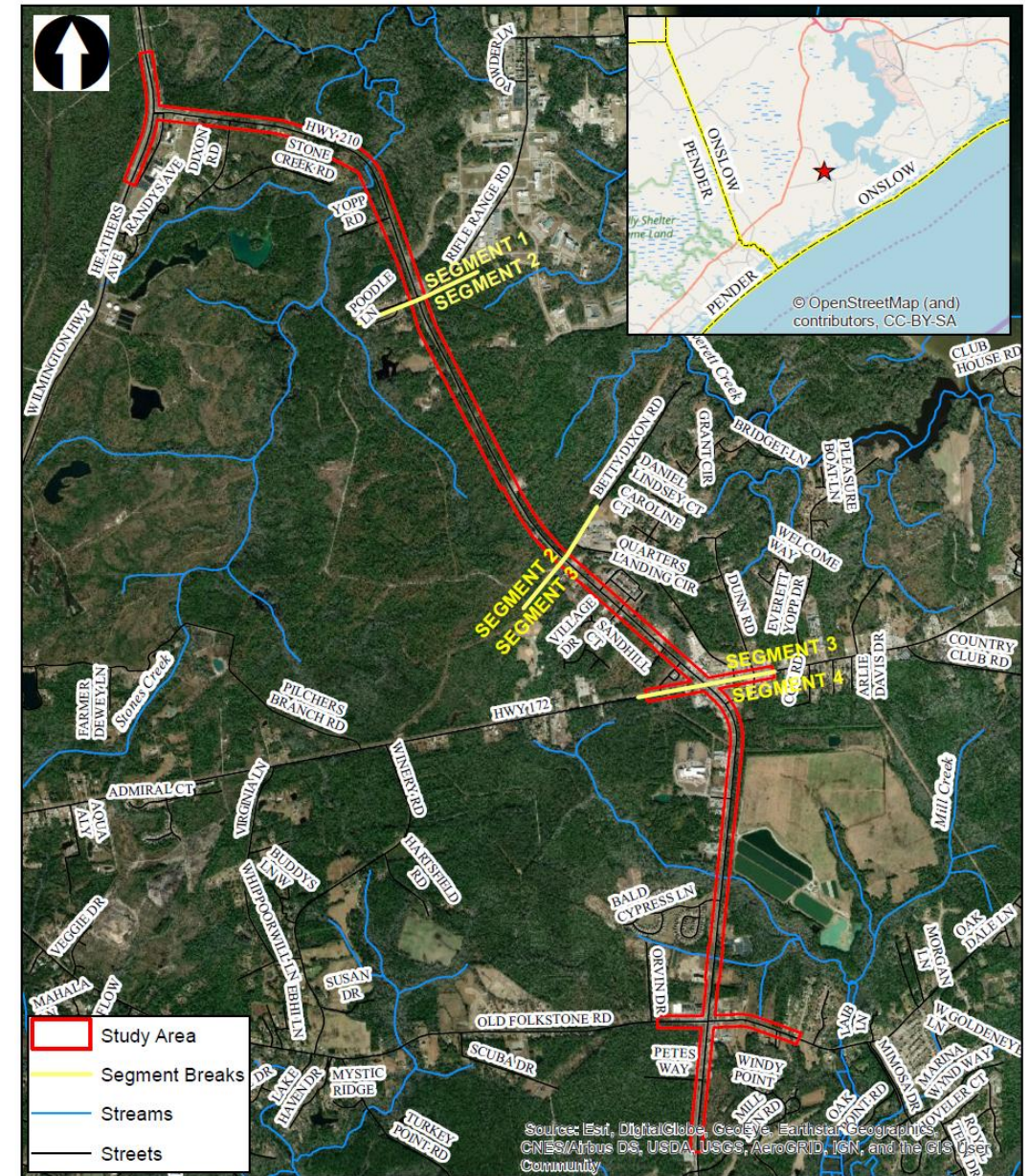
The purpose of the proposed project is to alleviate motorized vehicle congestion along NC 210 between US 17 and south of Old Folkstone Road (SR 1518), with the goal of achieving an overall level of service **(LOS) D or better within the project area during peak hour operations**. Where feasible, the goal of the project will also be to bring signalized and unsignalized movements to LOS D or better.

Concurrence Point 1 Project Study Area

Project Study Area

(August 16, 2018)

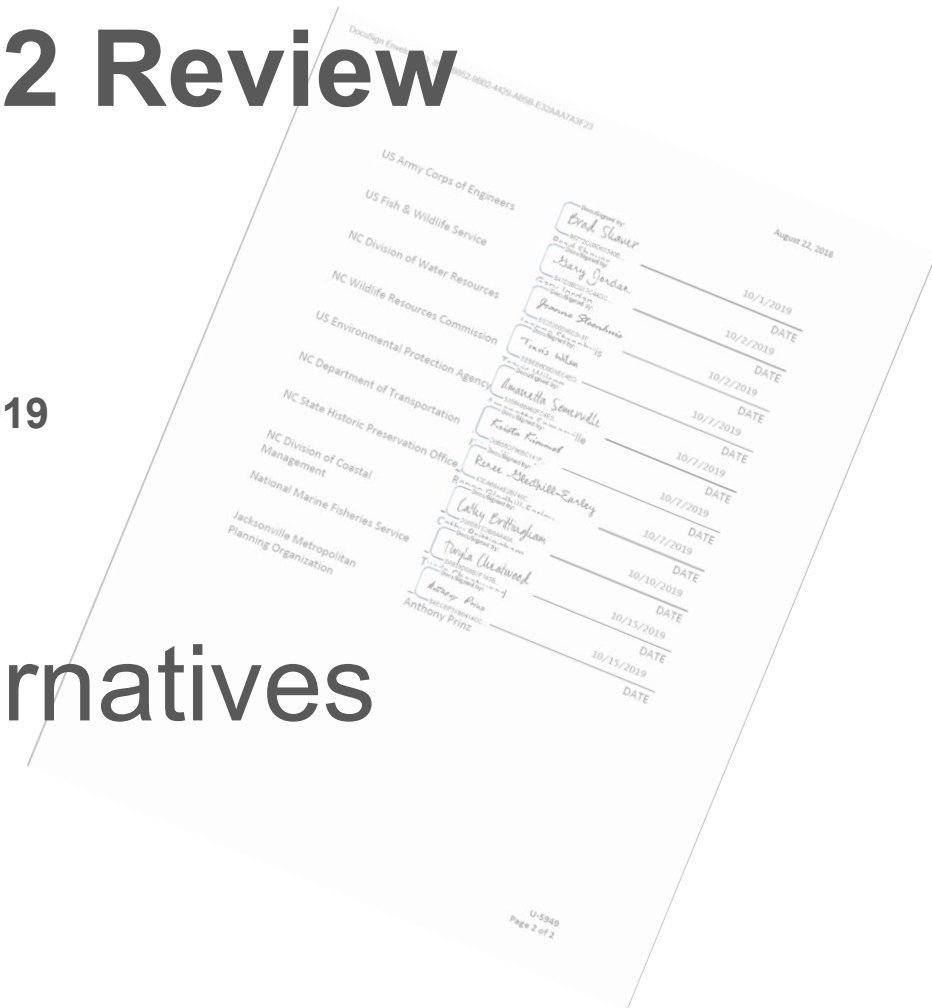
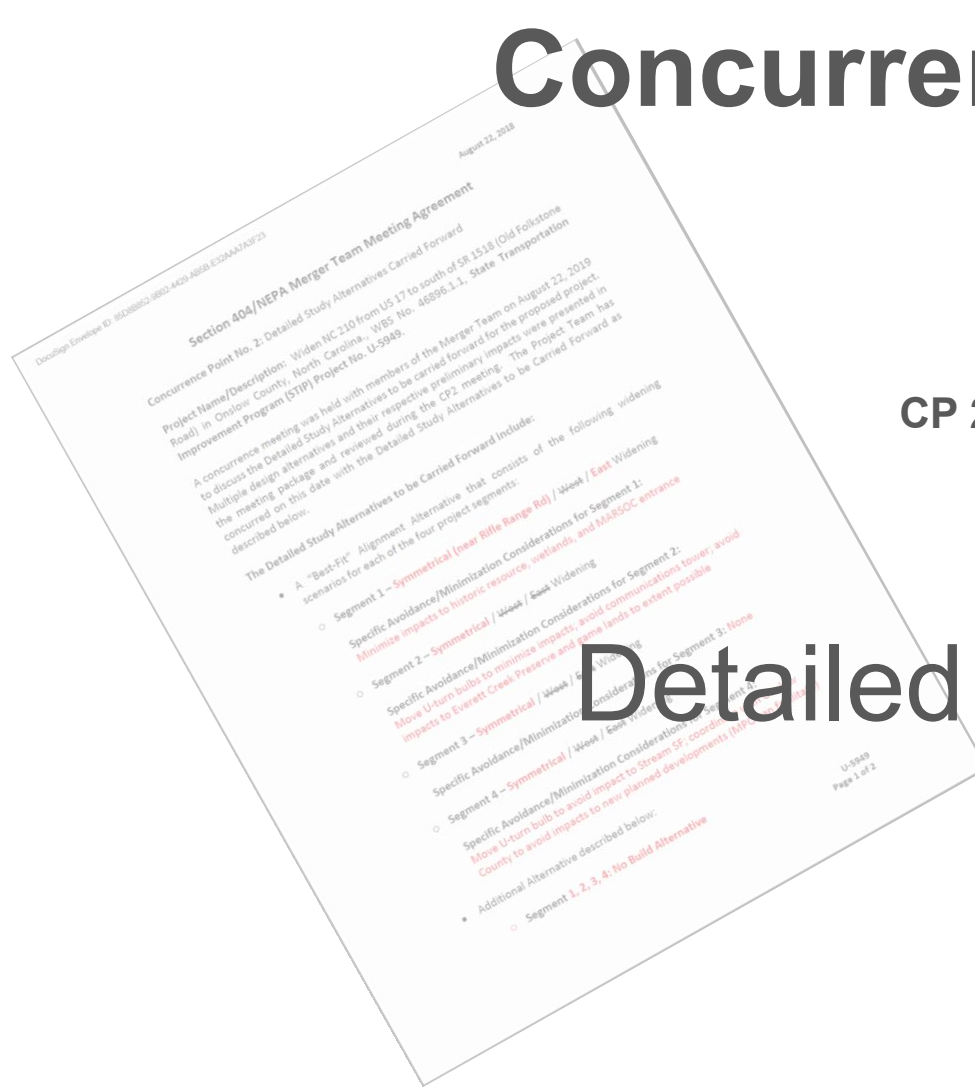
The study area ranges between 300 – 500 feet wide and begins at the US 17/NC 210 intersection and extends approximately 5.8 miles south along NC 210 to a point approximately 3,300 linear feet south of SR 1518 (Old Folkstone Road). The study area also extends ~1,500 linear feet north and 1,900 linear feet south along US 17; 1,500 linear feet west and 1,700 linear feet east along NC 172; and ~1,200 linear feet west and 2,300 linear feet east along Old Folkstone Road.



Concurrence Point 2 Review

CP 2 Merger Meeting 8/22/2019
CP2 Signed 10/15/2019

Detailed Study Alternatives



Concurrence Point 2

Detailed Study Alternatives

A “Best-Fit” Alignment Alternative that consists of the following widening scenarios for each of the four project segments:

- **Segment 1** – Symmetrical (near Rifle Range Rd)/East Widening: Minimize impacts to historic resource, wetlands, and MARSOC entrance
- **Segment 2** – Symmetrical Widening: Move U-turn bulbs to minimize impacts; avoid communications tower; avoid impacts to Everett Creek Preserve and game lands to extent possible
- **Segment 3** – Symmetrical Widening
- **Segment 4** – Symmetrical Widening: Move U-turn bulb to avoid impact to Stream SF; coordinate with Onslow County to avoid impacts to new planned developments

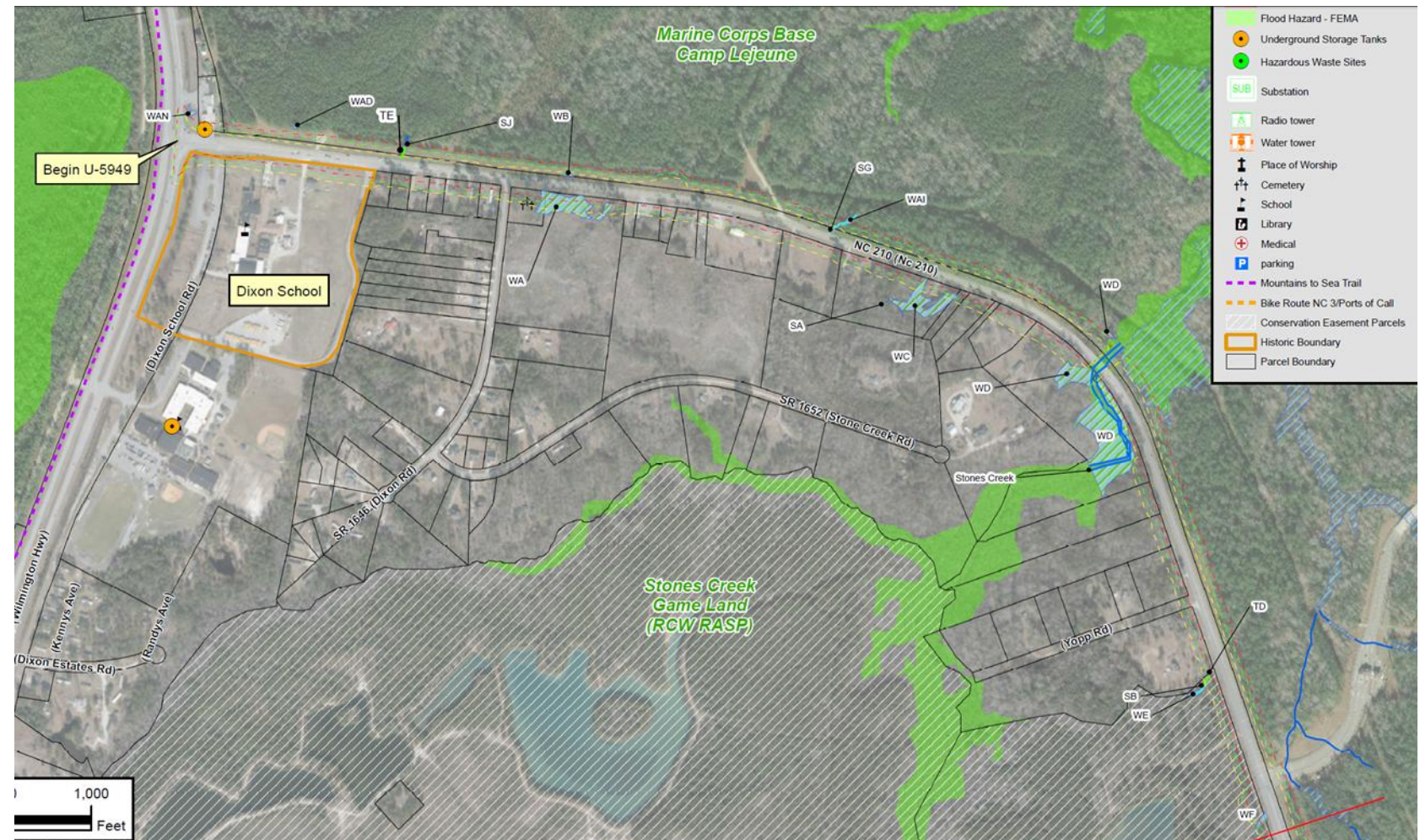
No Build Alternative for all segments

Segment 1- Symmetrical/East Widening

Minimize impacts:

- historic resource
- wetlands
- MARSOC entrance

No Build Alternative

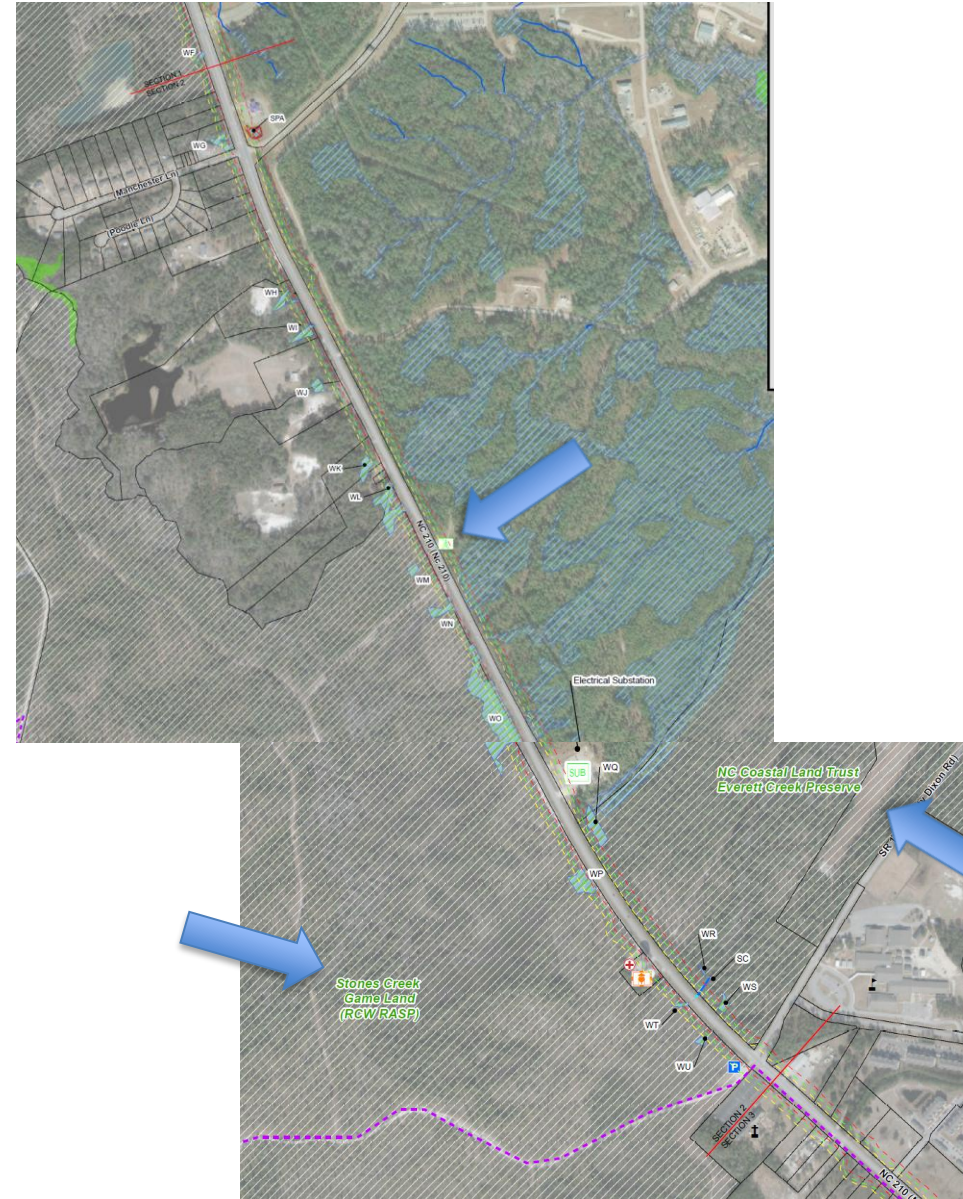


Segment 2- Symmetrical Widening

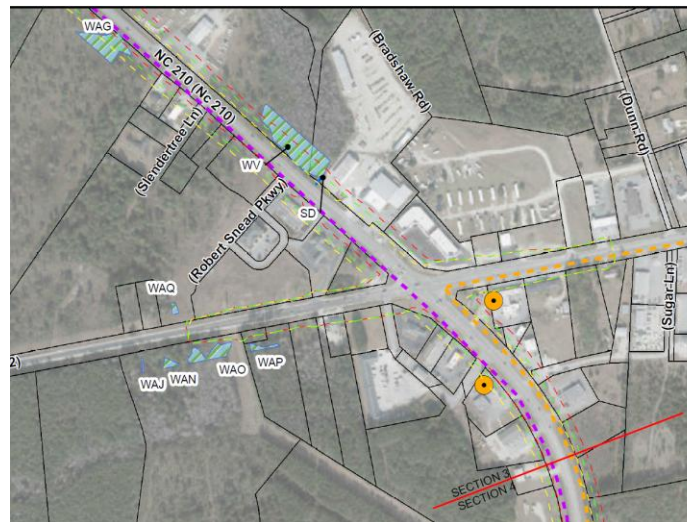
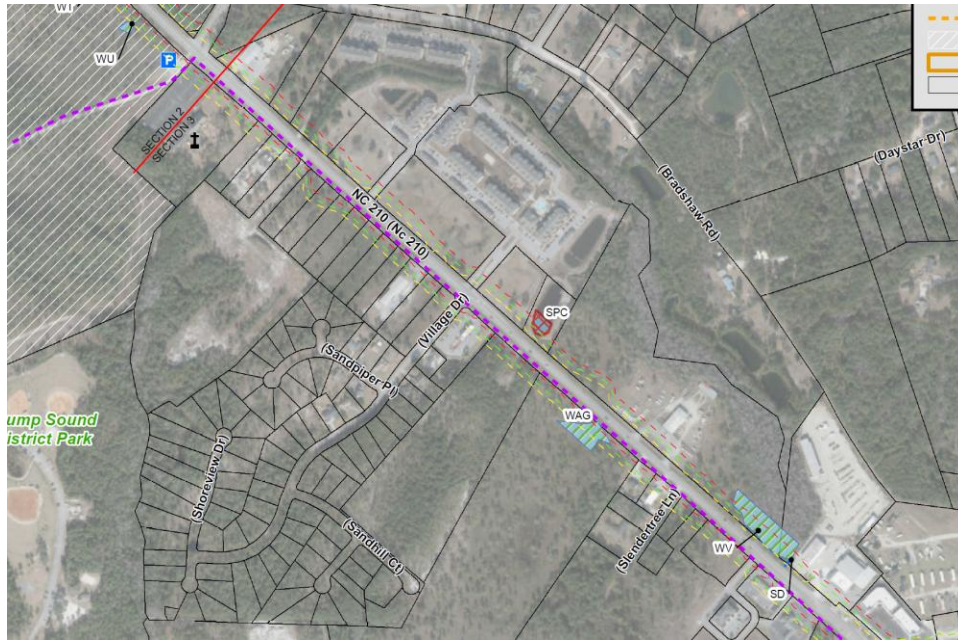
Minimize impacts:

- Communications Tower
- Everett Creek Preserve
- Stones Creek Game Lands

No Build Alternative



Segment 3 - Symmetrical Widening



No Build Alternative

Segment 4 - Symmetrical Widening

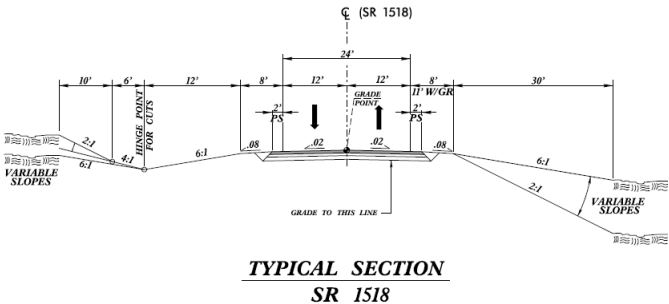
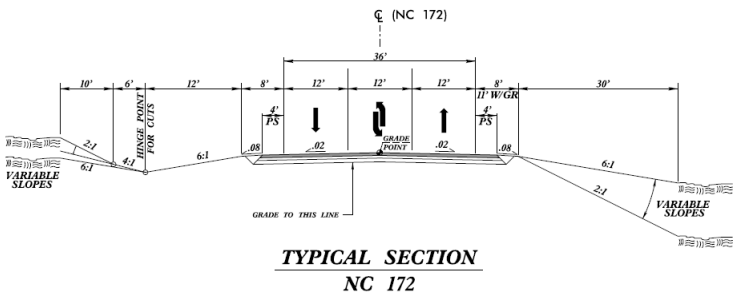
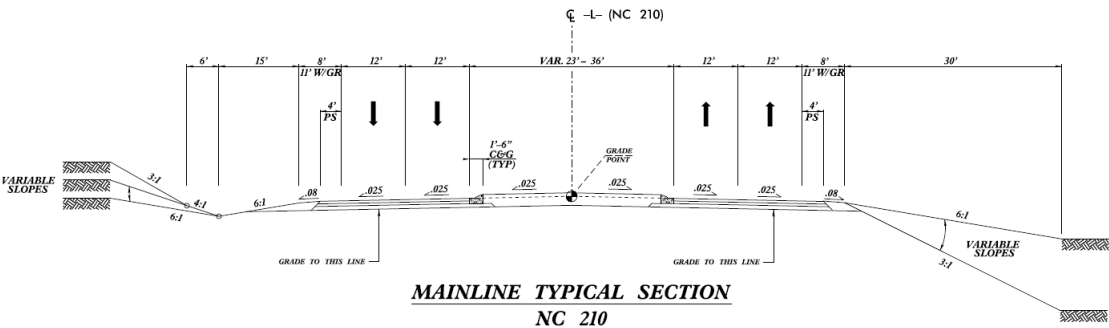
Minimize impacts:

- Stream SF
- New developments

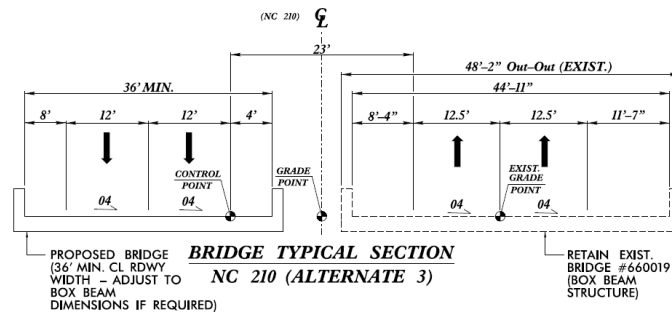
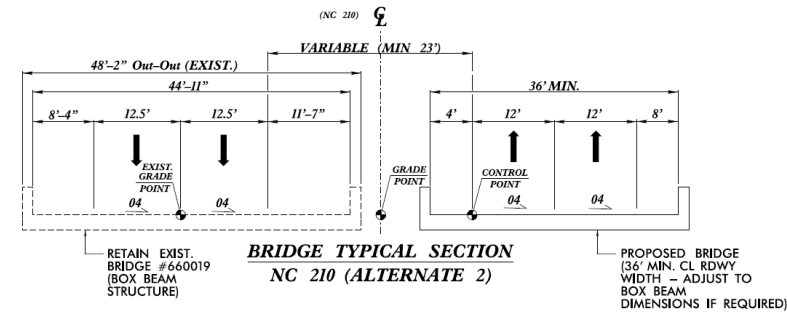
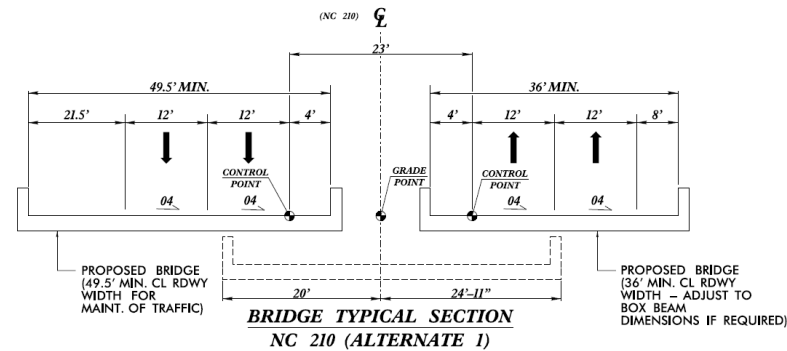
No Build Alternative



CP 2 Typical Section - Roadway



CP 2 Typical Section – Bridge Options



Informational Update

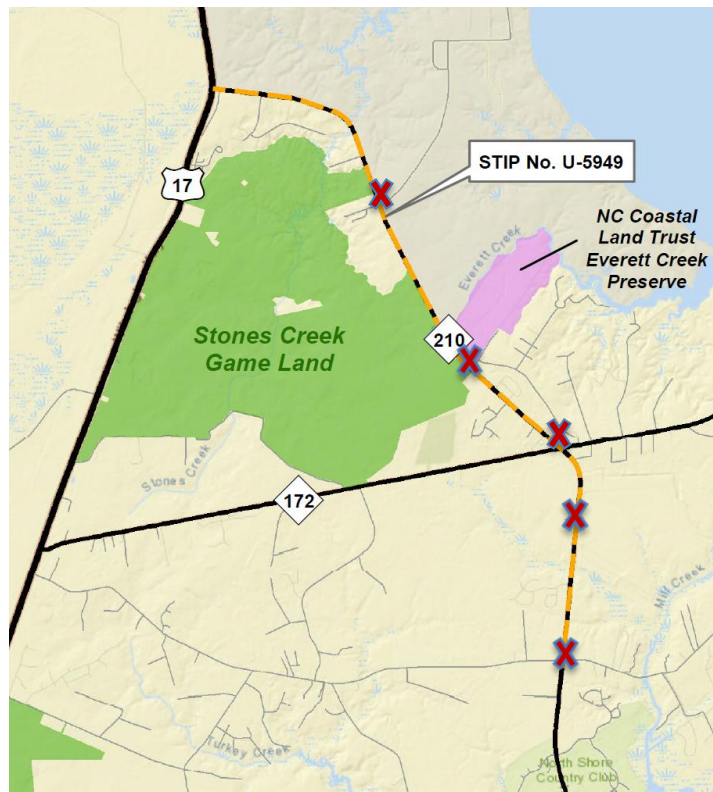
- 2024 Traffic Forecast and 2025 Capacity Analysis
- Design Criteria/Typical Section Updates
- Bridge No. 19 over Stones Creek
- Bicycle and Pedestrian Needs
- New Developments
- Extension of Project Study Area
- Typical Section with Multi-Use Path
- Schedule

2024 Traffic Forecast

	2024 No Build (VPD)	2050 No Build (VPD)
South end of study area on NC 210	11,600	18,700
NC 210 west of NC 172	22,400	41,700
US 17 near NC 210	19,400 – 30,500	35,900 – 58,600
NC 210 near US 17	18,700	35,100

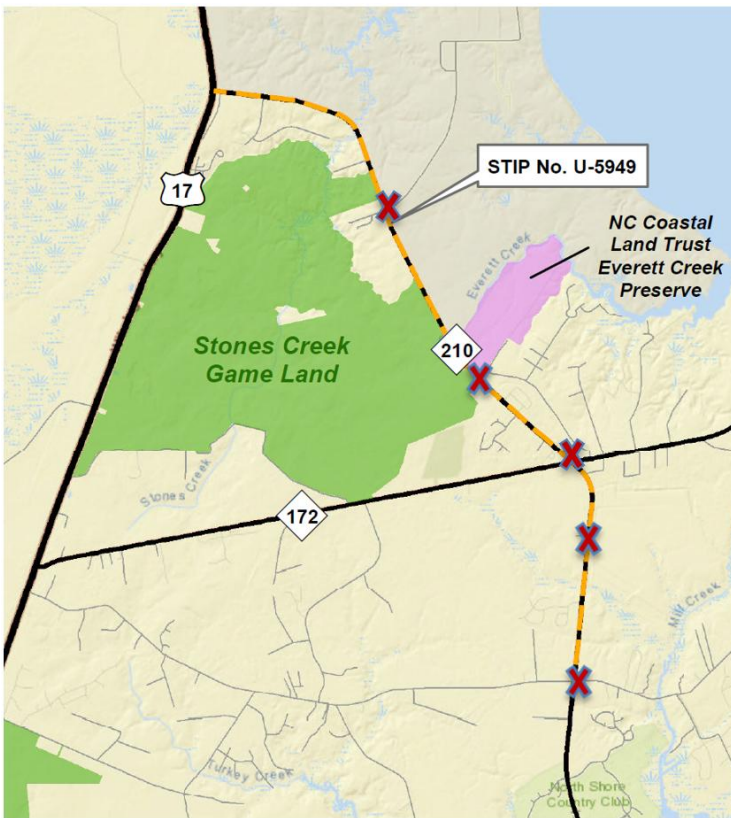
2025 Traffic Capacity Analysis

Origin to Destination studies show that most volume on NC 210 travels between North Topsail Beach and westward on Old Folkstone Road towards Holly Ridge or Wilmington or from US 17 to NC 172 eastward towards Sneads Ferry and Camp Lejeune.



- For the **2024 No Build** Condition, all signalized intersections operate at LOS D or better during the peak hours, though several individual lane groups may operate at LOS E or F.
- At three signalized intersections in the study area, the queue results indicate that through movement queues may block entry into adjacent turn lanes.
- Among unsignalized intersections, the westbound left from Quarters Landing Circle was shown to be the worst-performing lane group (LOS E during the peak hours) among the unsignalized lane groups analyzed in the study.

2025 Traffic Capacity Analysis

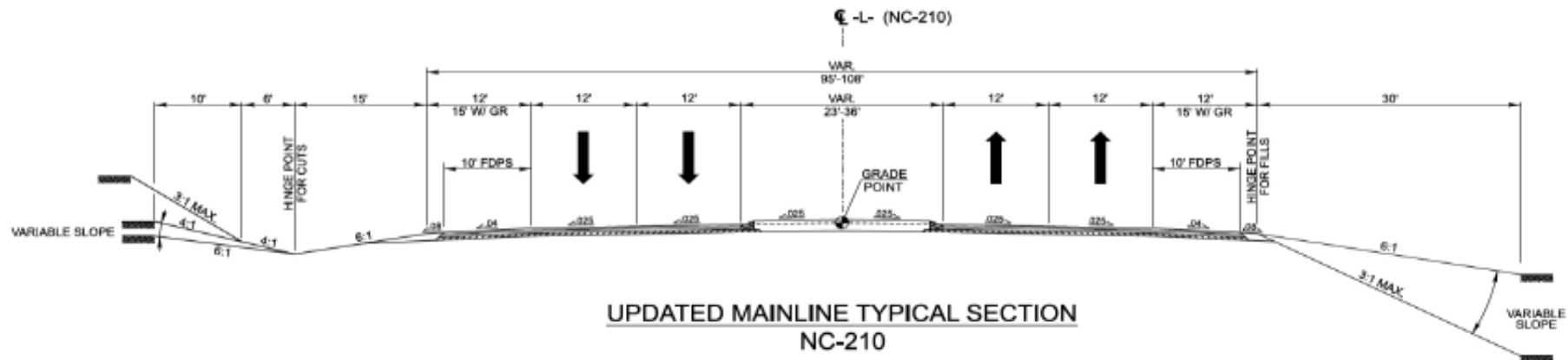
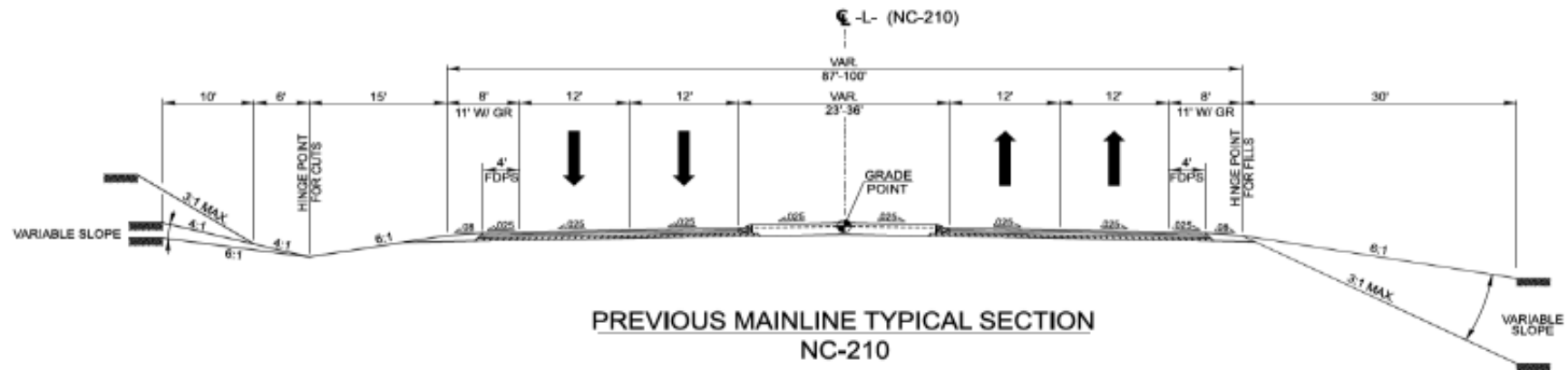


- Extensive queuing and delays throughout the network are expected for the **2050 No-Build** condition.
- Most signalized intersections are projected to operate at LOS E or F during at least one peak hour, and all unsignalized intersections are projected to have at least one lane group that operates at LOS F during at least one peak hour.
- The analysis suggests that queuing from signalized intersections blocks traffic at nearby unsignalized intersections from entering the NC 210 traffic flow, which may result in high levels of delay for unsignalized movements.

Design Criteria

Proposed Design Criteria for NC 210	March 2018	June 2026
ADT LET year	(2016) 17,400	(2034) 31,546
ADT Design year	(2040) 33,400	(2054) 49,239
Typical section type	4 lane median divided with C&G or shoulder	4 lane median divided with C&G, shoulder outside
Shoulder width outside without guardrail	8'	12'
Shoulder width outside with guardrail	11'	13'
Paved shoulder outside total/FDPS	8'¼'	10'
Horizontal alignment minimum radius	833'	1,330'
Sidepath width	N/A	10' right side
Clear Zone	24'-28'	30'

Typical Section Updates



Bridge No. 19

Bridge No. 19 over Stones Creek was built in 2008. In the NCDOT Structure Safety Report dated 2/12/26, **the bridge is neither functionally obsolete nor structurally deficient.** It is 130 feet long and 48 feet wide (deck width out to out).



Bicycle and Pedestrian Needs

Mountains to the Sea Trail – Segment 15



WalkBikeNC 2013 Plan

Connection to
Camp Lejeune

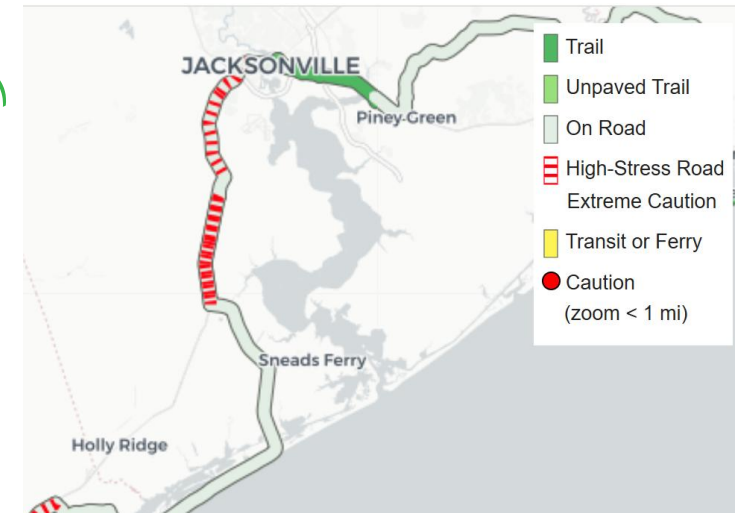
Sneads Ferry Community Plan (July 2015)

IMD Complete Streets Assessment

JUMPO 2050 MTP

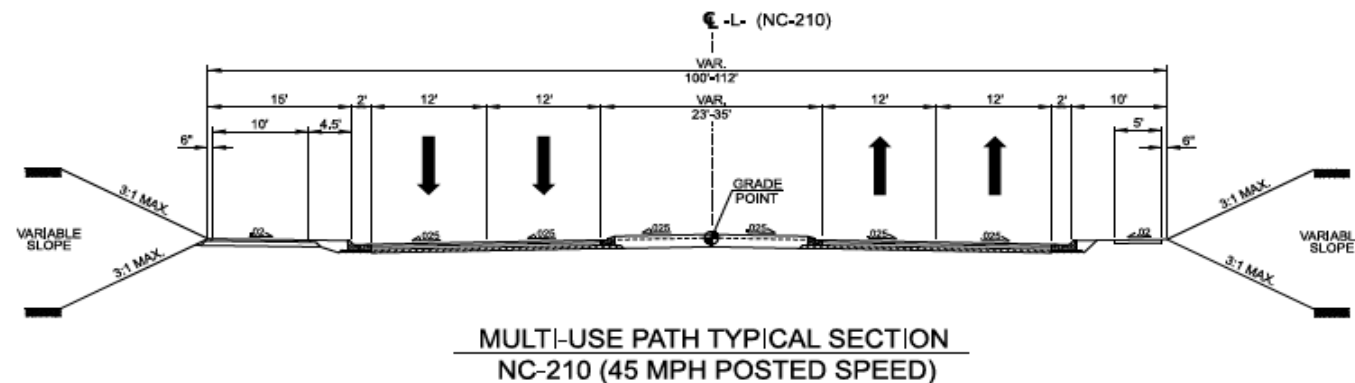
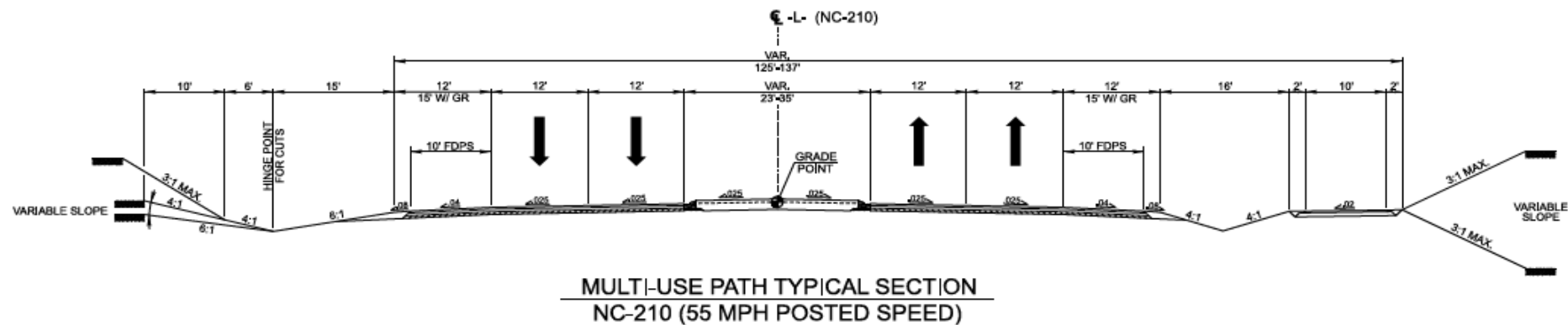
Cape Fear Regional Bicycle Plan (2017)

East Coast Greenway



Bicycle and Pedestrian Needs

Sidewalk/Multi-use Path Typical Section

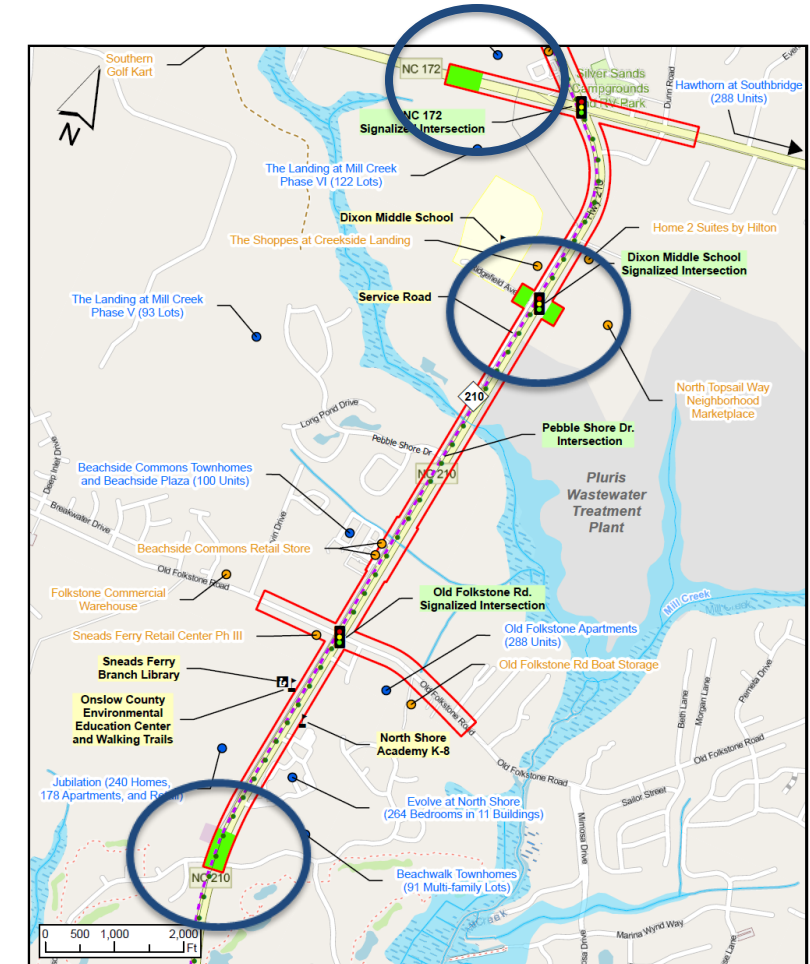
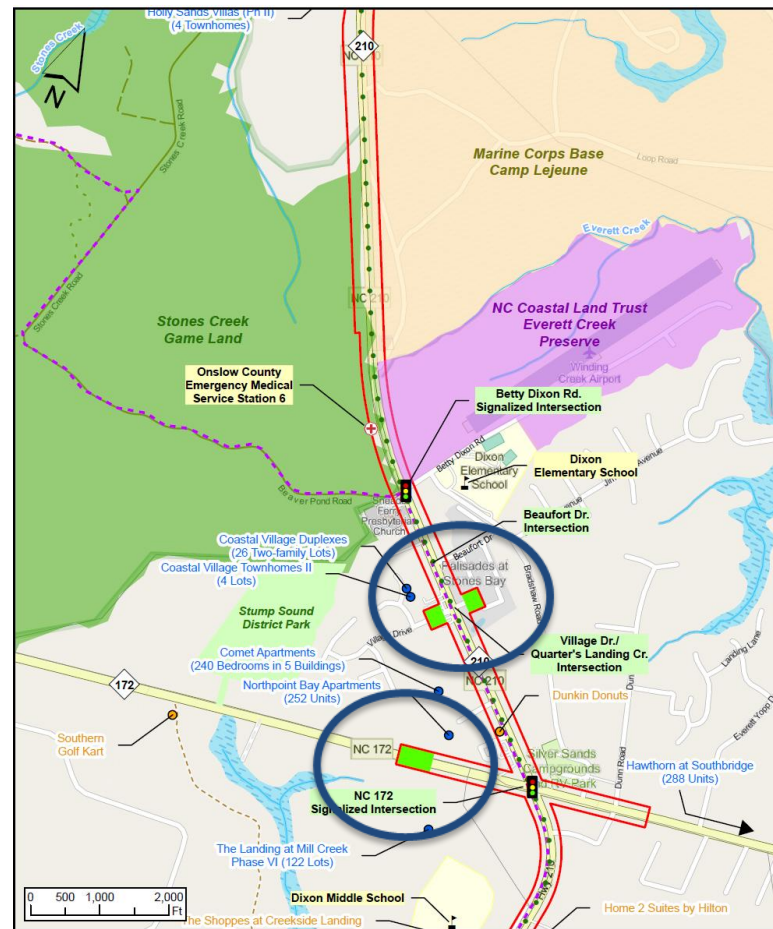
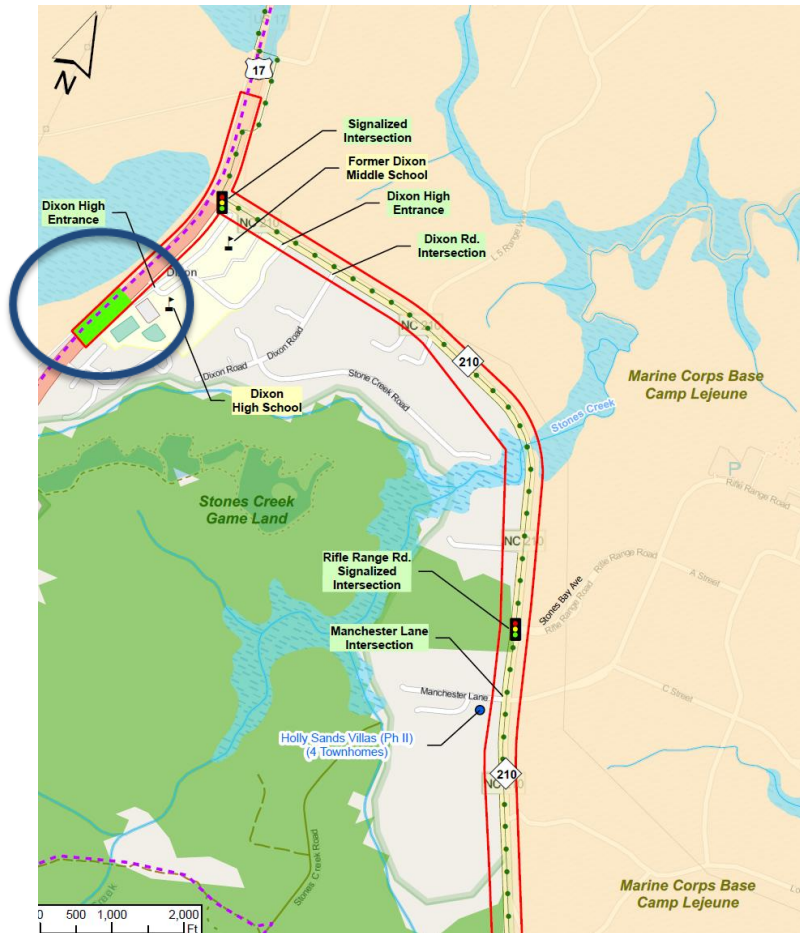


New Developments

- Holly Sands Villas (Phase II): four new townhomes SW of NC 210 at Manchester Lane/Rifle Range Road
- Coastal Village Townhomes: 26 duplexes NW of NC 210 at Village Drive
- Comet Apartments: 240 apartments SW of NC 210 at Village Drive
- Hawthorne at Southbridge: 288 apartments north of NC 172 at Citadel Drive
- Home2Suites by Hilton: 95-room hotel NE of NC 210 at Ridgefield Avenue
- Shoppes at Creekside Landing: strip shopping center NW of NC 210 at Ridgefield Avenue
- North Topsail Landing: mixed use development east of NC 210 at Ridgefield Avenue. As part of this development, a new westbound roadway connection (North Topsail Landing Way) is proposed at the intersection of NC 210 and Ridgefield Avenue.
- The Landing at Mill Creek (Phase V): 93 single family homes added on to the existing The Landing at Mill Creek development connecting via Pebble Shore Drive
- Beachside Commons/Beachside Plaza (Phase II): 48 townhomes NW of NC 210 and Beachside Village Lane
- Sneads Ferry Retail Center (Phases II and III): retail buildings SW of NC 210 and Old Folkstone Road
- Evolve at North Shore: 264 apartments east of NC 210 at Bluefish Drive and NC 210 at Sunray Way
- Beachwalk Townhomes: 90 townhomes SE of NC 210 at Sunray Way.
- Jubilation: 240 single family homes, 178 apartments, and retail NW of NC 210 and North Shore Golf Course.
- Minute Man Gas Station: located on NC 210, north of NC 172
- NorthPoint Bay Residential: 252 multi-family residential units on west corner of NC 210 and NC 172
- Topsail Landing Development: Multi-phase residential/Mixed-use development located along NC 172
- Old Folkstone Apartments: 288 multi-family units located at NC 210 and Old Folkstone Road



Extension of Project Study Area



Schedule and Next Steps

The tentative project schedule is shown below.

- Type III CE 11/15/28
- Right of Way Plans 1/15/29
- Let to Construction 6/20/34

The next action items are:

- CP 2A – Bridging Decisions
- CP 3 – LEDPA
- Archaeological surveys
- SHPO Effects Determination

Questions?