



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

MEMORANDUM

January 7, 2026

FROM: Zachary R. Howard, PE
NCDOT Division 3
Division 3 Project Manager

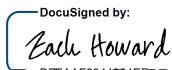
SUBJECT: NC 210 improvements from US 17 to south of SR 1518 (Old Folkstone Road) in Onslow County, Project No. U-5949

The North Carolina Department of Transportation (NCDOT) has **restarted** the project development, environmental, and engineering studies for the widening and intersection improvements along approximately six miles of NC 210 from US 17 to south of SR 1518 (Old Folkstone Road) in Onslow County, Project No. U-5949. Right of way acquisition is scheduled for July 26, 2029, and construction is scheduled for June 20, 2034. The attached figures show the vicinity, study area and topography maps for the proposed project. The project is currently state funded. Since federal funding could become available for this project, NCDOT is preparing a Type III Categorical Exclusion document, and the lead federal agency will be the Federal Highway Administration (FHWA). The project will continue through the NEPA/404 Merger Process.

Project history includes a Merger Screening meeting on March 22, 2018. Concurrence Point 1 was reached on May 23, 2019. Concurrence Point 2 was reached on October 15, 2019. Due to rapid growth and development in the study area since the original 2018 Traffic Forecast and Capacity Analysis, an updated traffic capacity analysis was conducted in June 2025 to capture additional recommended improvements along NC 210. Concurrence points will be revisited due to increases in traffic capacity, changes in traffic patterns, and to provide updated information.

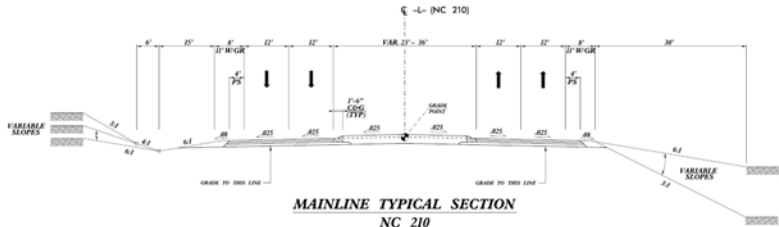
NCDOT welcomes your input on the proposed project. Any information that may be helpful in evaluating the potential environmental effects would be appreciated. If applicable, please identify any permits or approvals which may be required by your organization. Please respond by January 31, 2026 so that your comments can be used in the scoping of this project. If you have any questions concerning this project, or would like any additional information, please contact me at (910) 341-2011 or by email at zrhoward@ncdot.gov. Please include Project Number **U-5949** in all correspondence and comments.

Thank you,

DocuSigned by:


Zachary R. Howard, PE
North Carolina Department of Transportation
Project Development Unit
Project Manager – Division 3

North Carolina Department of Transportation
Project Data Sheet
STIP Project U-5949 (ReStart)

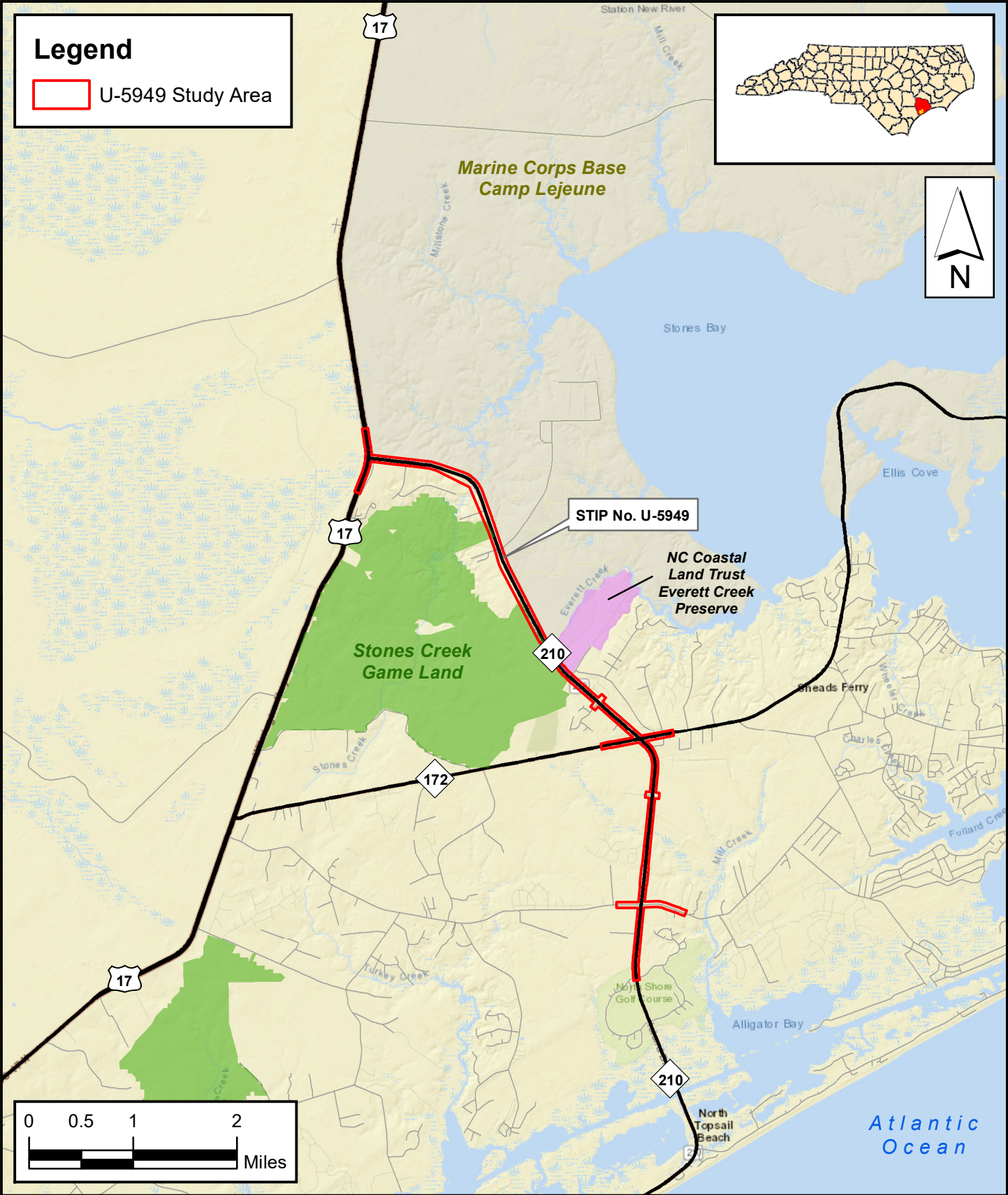
Essential Project Information	
STIP Project Name	NC 210 Improvements in Onslow County
STIP Number/WBS Number	STIP No. U-5949 / WBS No. 46896.1.1
County	Onslow
NCDOT Division	3
ROW Date	7/26/29
LET Date	6/20/34
Schedule Considerations	TBD
Cost Estimates	Cost (10/8/24) – State Funded - Right of Way \$33,200,000 - Utilities \$15,400,000 - Construction \$115,400,000 Total: \$164,000,000
Funding Type	State
Proposed Project Details	
Project Description	Widen NC 210 from US 17 to south of SR 1518 (Old Folkstone Road) to a multi-lane, median-divided roadway with 8-foot outside shoulders (11 feet with guardrail). Improvements are proposed at all signalized and unsignalized intersections in the study area.
Project Limits	NC 210 from US 17 to Mill Run Road (just south of Old Folkstone Rd), approximately 6 miles.
Typical Section	 MAINLINE TYPICAL SECTION NC 210 Two 12-foot lanes in each direction with a 23-foot to 36-foot raised median and outside 8-foot to 11-foot shoulders on 150 feet of right of way.
Access Control	none
Design Speed	40-60 mph
Right-of-Way Width	150 feet
Physical or Engineering Constraints	Marine Corps Base entrance, trails/greenway system, community resources, gamelands/preserves, new developments, high quality wetlands and streams, Dixon High (previously Middle) School eligible for the National Register, electrical substation, seasonal traffic, bridge of Stones Creek, school traffic

Other Considerations	
Survey Request Date	October 28, 2025
Design Plan	TBD
Construction Recommendation	TBD
Consultant Involvement	Summit Design and Engineering Services – hydraulics, work zone traffic control, utilities, roadway, project management Three Oaks Engineering – NEPA document, traffic, natural systems, public Involvement
Project History	
Planning Studies	A Merger Screening meeting was held on March 22, 2018. Concurrence Point 1 was reached on May 23, 2019. Concurrence Point 2 was reached on October 15, 2019. Due to rapid growth and development in the study area since the original 2018 Traffic Forecast and Capacity Analysis, an updated traffic capacity analysis was conducted in June 2025 to capture additional recommended improvements along NC 210.
SPOT Description	N/A
Feasibility Studies	NCDOT prepared a Feasibility Study for the widening of NC 210 from US 17 to NC 172 and widening of NC 172 from NC 210 to the USMC/MARSOC gate in January 2013 (FS-1003C). Project U-5949 addresses only the improvements to NC 210. The Feasibility Study recommended the typical section on NC 210 to be a four-lane, median-divided shoulder section using a 23-foot raised grass median and 8-foot shoulders on 150 feet of right of way.
Problem Statement	The 2050 No-Build analysis indicates that the existing geometry and background improvements (by developers and adjacent transportation projects) do not provide sufficient capacity for the forecasted demand. Compared to the 2024 No-Build scenario, peak hour network delays may more than quadruple and average network speeds (including the minor streets) could be reduced by about 15 mph. The existing two-lane NC 210 will no longer support the increased traffic along NC 210.
Alternatives Previously Dismissed and Why	A No-Build Alternative, Travel Demand Management, Mass Transit, and Transportation Systems Management were considered but do not alleviate existing congestion nor do they accommodate future traffic capacity.
Purpose & Need	
Purpose and Need	Need: Traffic congestion exists along the existing facility and is expected to worsen in the future. Purpose: 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.

Supporting Data	The 2024 No-Build analysis suggests that although all of the signalized intersections currently operate at overall LOS D or better, several lane groups operate at LOS E or F during at least one peak hour. There are also existing turn lanes with storage deficiencies based on the queue length estimates. The 2050 No-Build analysis determined that the majority of signalized intersections are expected to operate at overall LOS E or F during at least one peak hour, and all unsignalized intersections are likely to have at least one lane group that operates at LOS E or F during at least one peak hour.
Alternatives Currently Under Consideration	
Alternative 1 (preferred)	A Best Fit Alternative will be selected at the Concurrence Point 2 Meeting.
Alternatives 2 and 3	TBD
Public and Agency Coordination	
Anticipated Permits	404/401
Federal Agency Involvement	USACE/FHWA/CAMA – FHWA is the lead agency
Public Involvement Strategy	Public Involvement Plan (completed 1/14/25) 300 newsletters Public Input Site Public Meeting and Local Officials Informational Meeting Small group meetings
Merger Screening Date	A Merger Screening meeting was held on March 22, 2018.
Potential Merger Triggers	Various conflicting resources
Existing Conditions	
Functional Classification	NC 210 - Minor arterial US 17 – Major arterial and Strategic Transportation Corridor NC 172- Minor arterial Old Folkstone Road – Major collector
Strategic Highway Corridor	No (US 17 is a Strategic Transportation Corridor)
AADT (2023) NCDOT Annual Average Daily Traffic (AADT) Mapping Application	NC 210 south of US 17: 18,000 NC 210 north of NC 172: 18,000 NC 210 south of NC 172: 17,000 NC 210 south of Old Folkstone Road: 7,300 NC 210 near Seascape Drive: 7,100
Access Control	None
Typical Section	NC 210 is a two-lane roadway with 12-foot lanes and 4-foot paved shoulders. The typical section varies throughout the project near intersections to accommodate turn lanes.
Right-of-Way Width	Approximately 60 feet
Posted Speed	35 to 55 mph
Structures (bridges, RCBC, etc.)	Bridge No. 660019 over Stones Creek - built in 2008 and has no restrictions in the 2/22/24 Structure Safety Report
Railroad Involvement	No

Other Adjacent STIP Projects	(1) HS-2003F – US 17 and NC 210 Intersection; revise traffic signals and install signage. (2) W-5602 (under construction) – NC 172 from the Camp Lejeune gate to NC 210; convert two-lane roadway to three lane roadway with a two way left turn lane
Preliminary Resource Inventory Table	
Utilities	Charter Spectrum Jones-Onslow EMC
Hazardous Materials	October 18, 2018 – GeoEnvironmental Screening found 11 sites of concern in the project study area.
Known Potentially-Eligible National Register of Historic Places Sites/Districts	Dixon Middle School is eligible for the National Register – SHPO Effects Determination needed (Dixon High School and the former Dixon Middle School are located on a shared campus at 200 Dixon School Road, at the northern project terminus. The middle school moved in Fall 2017 to a new building also located in the DCIA.)
Other Cultural Resources	Archaeological surveys are needed.
Wetlands	Project Study Area: 43 wetlands, totaling 18.00 acres delineated Stones Bay Area: 7 wetland features, totaling 2.97 acres
Streams	Project Study Area: 11 streams and 3 tributaries (2,303 lin. ft. streams, 189 lin. ft. tributaries); Streams include Stones Creek and 4 UTs, 2 UTs of Everett Creek, and 4 UTs of Mill Creek/3 stream crossings (1 bridge) Stones Bay Area: 1 Stream (230 lin. ft.); UT of Stones Creek/0 stream crossings
FEMA Floodplain Detailed Study Area	100-year flood zone
Water Supply Watersheds	No
Riparian Buffer Rules	No
Active Agriculture	Yes
Parks, Greenways, Game Lands, Section 4(f) & Section 6(f) Properties	Stump Sound Park is a 6(f) resource – no impacts with current study area Potential 4(f) impacts – parks, trails/greenways, gamelands, Dixon High School
Environmental Justice Populations	Census data did not indicate presence of low income but some communities were observed in the northwest sections of the study area.

Other Resources (i.e., Wild and Scenic Rivers, TVA, Scenic Byways, etc.)	• East Coast Greenway • Mountains to Sea Trail • Coastal Evacuation Route on NC 172 and NC 210 • Bike Route 3 • Outstanding Resource Waters within a mile • High Quality Waters • Shellfish Growing Area • Primary Nursery Area • CAMA Public Trust and Coastal Shoreline AEC
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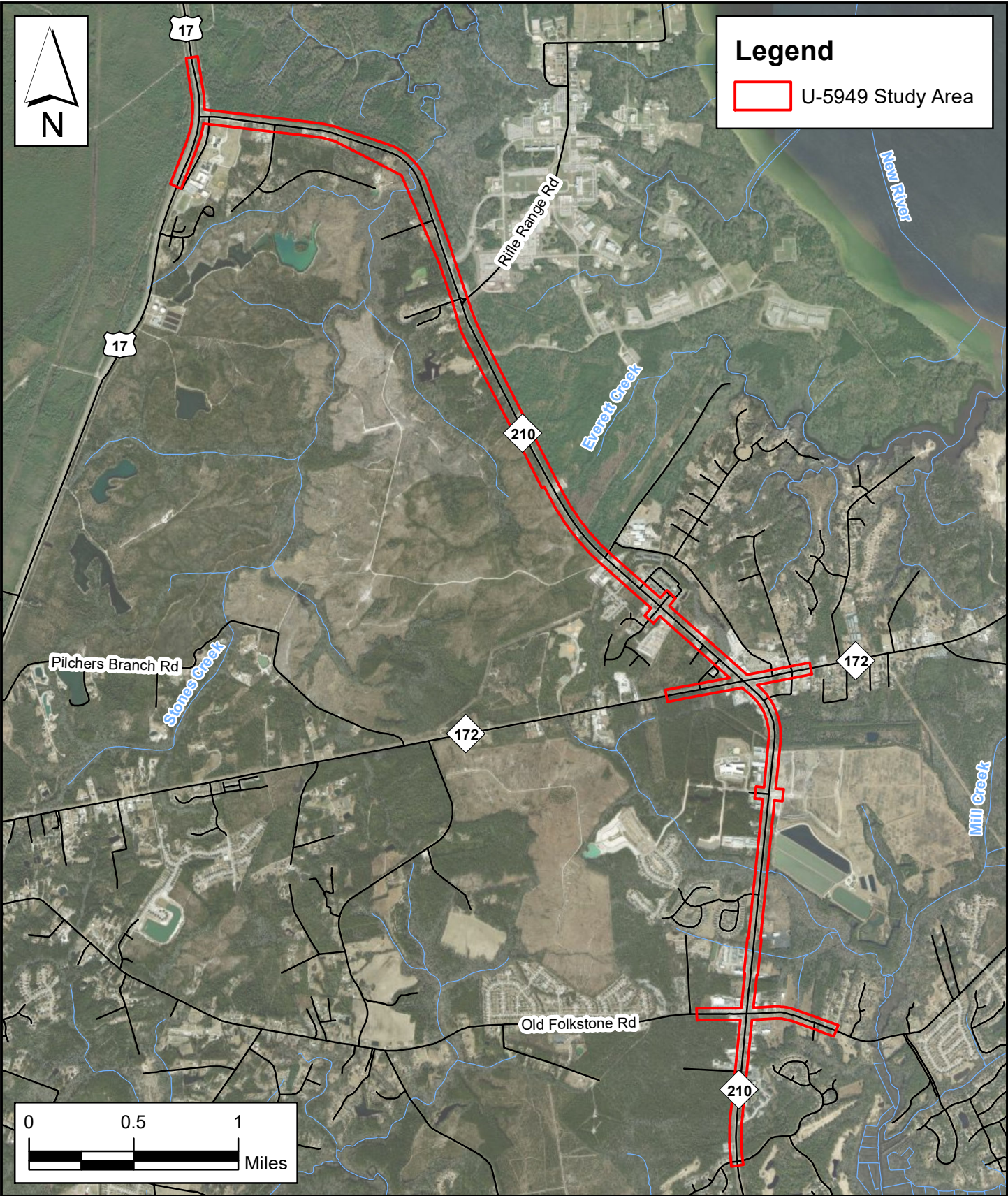


NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION
DIVISION OF HIGHWAYS

VICINITY MAP
WIDEN NC 210 FROM
US 17 TO SOUTH OF
SR 1518 (OLD FOLKSTONE RD)
ONSLOW COUNTY
NORTH CAROLINA

County:	ONSLOW
Div: 3	STIP# U-5949
WBS:	46896.1.1
Date:	OCTOBER 2025

Figure
1



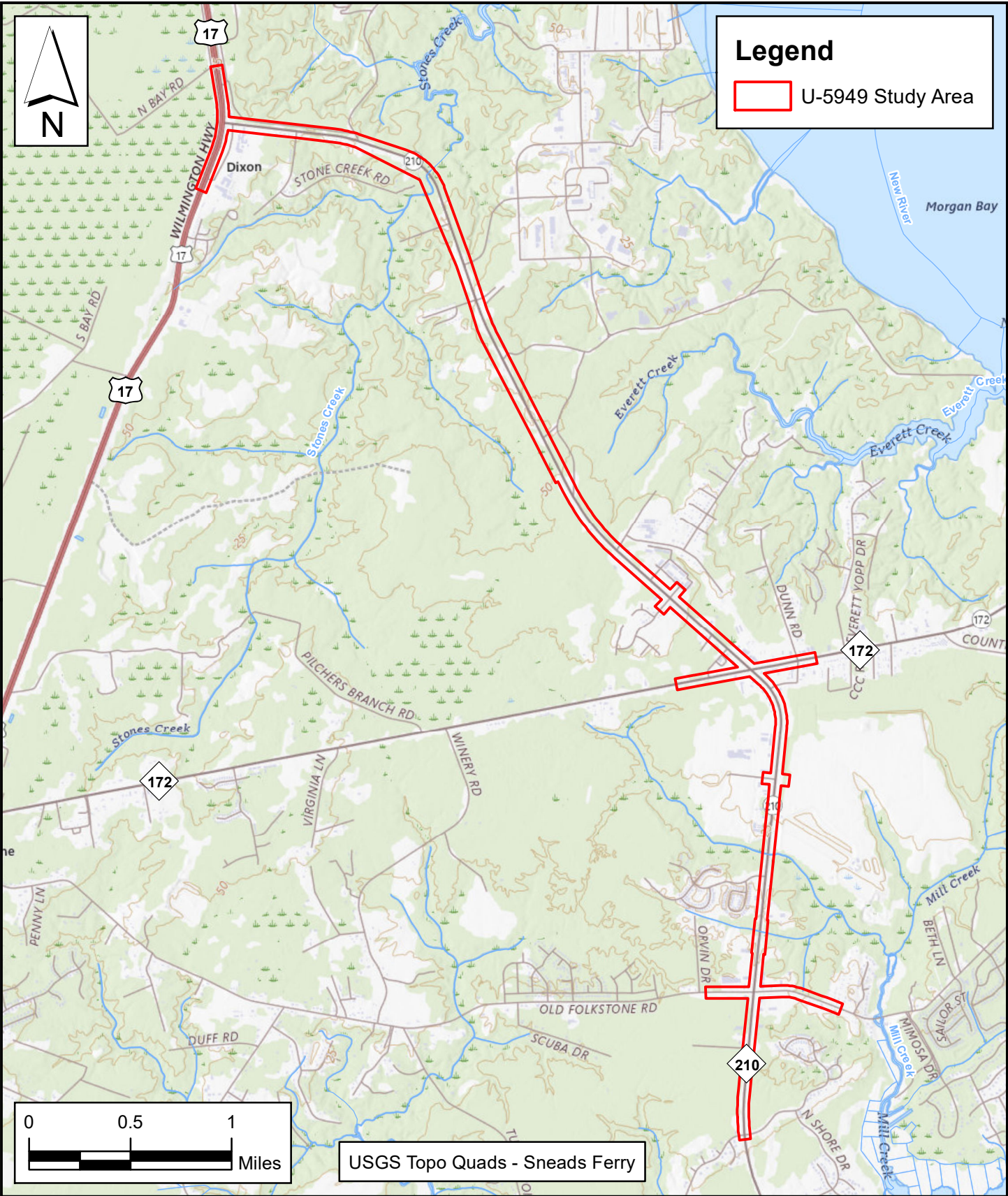
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STUDY AREA MAP
WIDEN NC 210 FROM
US 17 TO SOUTH OF
SR 1518 (OLD FOLKSTONE RD)

ONSLOW COUNTY
NORTH CAROLINA

County:	ONSLOW
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Figure
2



NORTH CAROLINA
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TRANSPORTATION
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**USGS TOPO MAP
WIDEN NC 210 FROM
US 17 TO SOUTH OF
SR 1518 (OLD FOLKSTONE RD)**

ONSLOW COUNTY
NORTH CAROLINA

County:	ONSLOW
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**Figure
3**