

PROJECT DATA SHEET

TIP No.: U-5707	County: Hoke
Federal-aid No.: N/A	WBS No.: 50158.1.1
NCDOT Division: 8	Scoping Meeting Date: 9/29/2015

Project Description:

- Length: New Location
 - **Alt 1:** approximately 1.5 mi
 - **Alt 2:** approximately 1.4 mi
- Termini (US Hwy/SR): From SR 1406 (Rockfish Rd) to SR 1418 (Lindsay Rd)
- MPO / RPO: FAMPO
- NEPA / 404 Merger Candidate? Yes No Unknown
- General Description of Project:

Alt 1: Four-lane divided facility on new location west of Rockfish from the existing intersection of Gillis Hill Road (SR 1420) at Lindsay Road (SR 1418) to tie in to Rockfish Road (SR 1406) between Walter Drive South (SR 1423) and Westfield Drive/Eastfield Drive. This Alternative includes a grade separated rail crossing and interchange with Philippi Church Road. School Drive would be closed at the existing at-grade rail crossing while Rockfish Road would remain open at the existing at-grade rail crossing. Lindsay Road would end in a cul-de-sac north of Rockfish Road, eliminating the existing connection to Rockfish Road next to the existing rail crossing.

Alt 2: Four-lane divided facility on new location aligning Rockfish Road and Lindsay Road. The proposed new alignment roadway includes a grade separated rail crossing. School Drive would remain open at the existing at-grade rail crossing while Rockfish Road would be closed at the existing at-grade rail crossing. Two new connections from the new alignment roadway to Rockfish Road would be provided, one on each side of the rail line.

Design Data (Existing Conditions):

- Functional Classification: N/A
- Strategic Highway Corridor: N/A
- CTP Designation (Facility Type): Arterial
- Type of Access Control: N/A
- Typical Section: N/A – new location
- Right of Way: N/A
- Posted Speed: N/A

- Structure Inventory (bridges, RCBC, Walls, etc):

New location grade separated railroad bridge; up to 3 culvert crossing sites; retaining walls before and after proposed bridge to reduce impacts to homes, businesses, Tabernacle Baptist Church, and Lindsay Road.

- Other TIP Projects in the Area

U-5753, U-5798, U-5857, U-5858, U-2519, U-6072A, U-6051A&B, U-3422

- Railroad Involvement:

Roadway crosses Aberdeen and Rockfish Railroad

Initial Scoping Comments:

- Active agricultural fields are located on the west side of the proposed study area.
- The project has the potential to impact commercial properties, especially parking areas, in the Rockfish community near the northern end of the proposed project study area at Rockfish Motorsports and Rockfish Flea Mall and at the southern end at Dollar General Store.
- Alt 1 will likely pass through active agricultural lands. The project has the potential for temporary construction-related impacts to agricultural operations adjacent to the proposed project. In addition, there is the potential for portions of agricultural fields to be permanently impacted by right-of-way acquisition for the proposed project. A large agricultural structure located adjacent to a pond on the north side of the Dollar General could potentially be taken by the project. This may cause disruption of the entire agricultural operation on this site. The details of this agricultural operation are unknown at this time since the site was inaccessible during the site visit (located down a private drive).
- Alt 2 would impact the Rockfish Store at the intersection of John Deere Drive and Rockfish Road. Rockfish Store is a potentially-eligible historic site and will be surveyed April-May 2019.

Traffic Data (AADT):

No Build	NA	NA
Design Year	2040	Alt 1: 20,400-22,400 Alt 2: 15,600-20,900

Cost Estimates:

State Funding	Construction	Right-of-Way	Prior Year Cost	Total
TIP Estimate	\$4,977,000	\$867,000	700,000	\$6,544,000

Project Schedule:

Environmental Document: MCDC	July 2019
Right-of-Way:	March 2020
Let:	March 2022

Purpose and Need Data:

Draft Project Need:

The primary need for the proposed action is to address the anticipated increase in traffic volumes in the 2040 Build Year conditions in and around the Rockfish community. The proposed roadway is anticipated to carry between 20,400-22,400 vpd for Alt 1 and between 15,600-20,900 vpd for Alt 2.

Draft Project Purpose:

The primary purpose of the proposed action is to improve the geometry of the Rockfish Road/Lindsay Road/Philippi Church Road intersections and reduce conflicting points by separating the roadway traffic from the railroad traffic. Construction of the U-5707 new alignment roadway would connect with U-5857 and U-5798 to create a single, interconnected four-lane corridor through the Rockfish community, with traffic signals at key intersections and a grade-separated crossing of the active rail line.

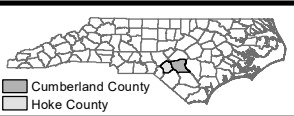
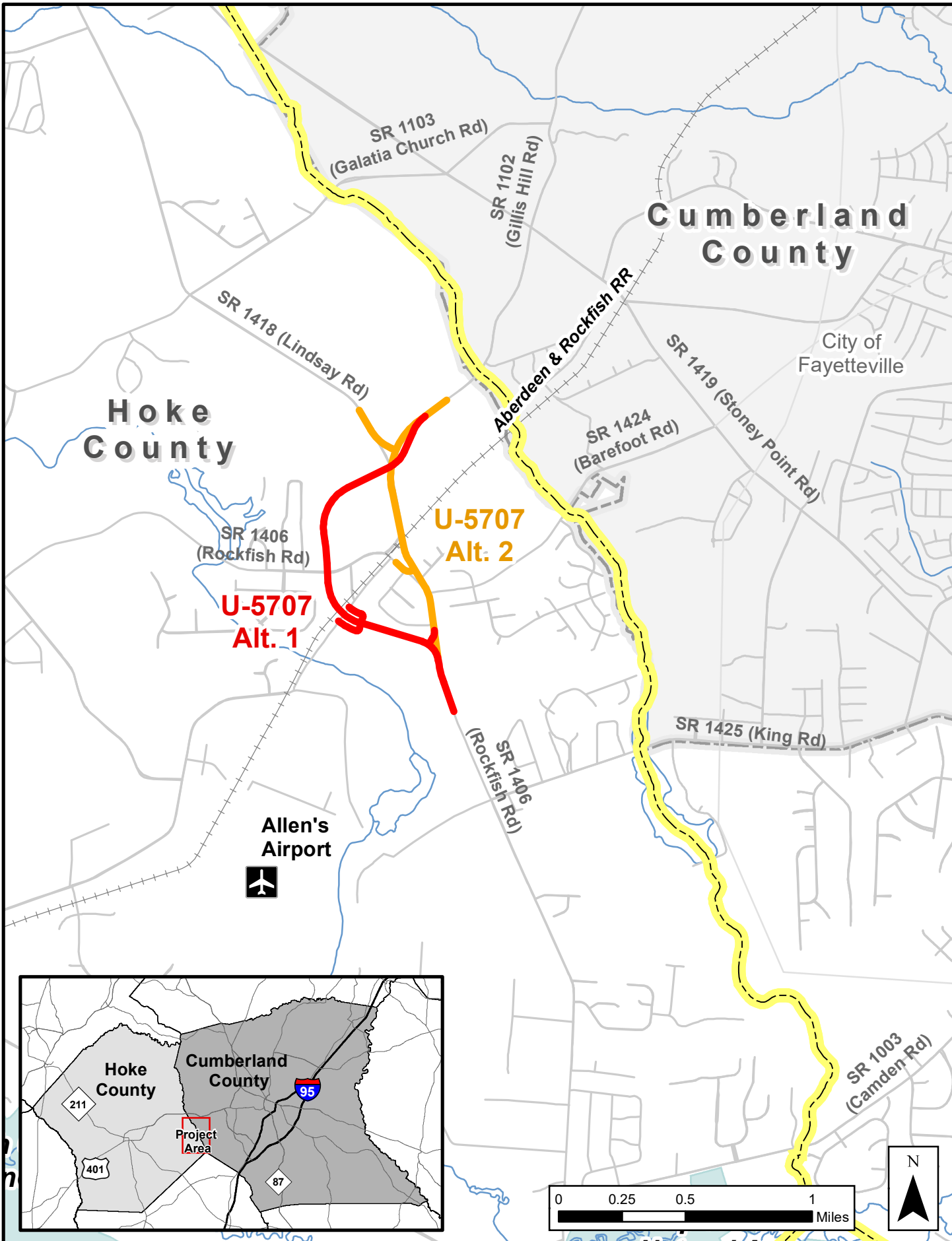
Preliminary Corridor Resource Inventory Table:

Resource/Measure	Study Area
Length of project (to tenth of miles)	Alt 1: approximately 1.5 mi Alt 2: approximately 1.4 mi
Potential for Interchanges or RR crossings (#)	Alt 1: » Grade separated rail crossing and interchange with Philippi Church Road. » Rockfish Road existing at-grade rail crossing is operational. Alt 2: » Rockfish Road, Lindsay Road, and Gillis Hill Road

	are aligned with a grade separated rail crossing. » School Drive existing at-grade rail crossing operational.
Other infrastructure (# of Wastewater treatment plants, transmission pipelines, etc.)	TBD
Suspected/known hazardous material sites (#)	(1) Hazardous Site (Polymer Technologies) based on GIS screening (2) UST based on GIS screening
National Register or eligible sites, districts, or other historic properties (#)	(1) One within study area based on SHPO GIS Screening
Community facilities such as hospitals, nursing homes, churches, schools, cemeteries, etc.) (#)	(2) Churches – Tabernacle Baptist Church, Rockfish Church of God (1) Cemetery – Tabernacle Baptist Church Cemetery (1) Fire station (1) School – Rockfish Christian Academy
Potentially affected properties reported in the Project Scope Report Screening Checklist	TBD
NRTR Jurisdictional Wetlands (Est acres rounded to whole acre)	NRTR – TBD Wetland delineations have not yet been performed within the project areas. No wetlands were identified in the GIS desktop review of National Wetlands Inventory (NWI) data.
NRTR Streams (# of streams and number of linear ft)	NRTR – TBD The potential impacts listed in the tables below are based on a GIS desktop analysis using the most recent version of the National Wetlands Inventory (NWI) and the National Hydrography Dataset (NHD). Stream Crossings Alt 1: S1 – 554 ft crossing S2 – 237 ft crossing S3 – 156 ft crossing Stream Crossings Alt 2: S1 – 77 ft crossing S2 – 112 ft crossing

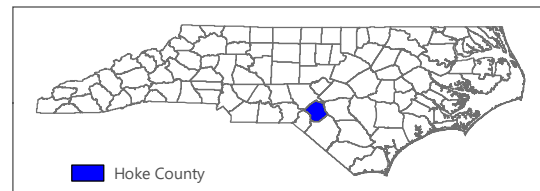
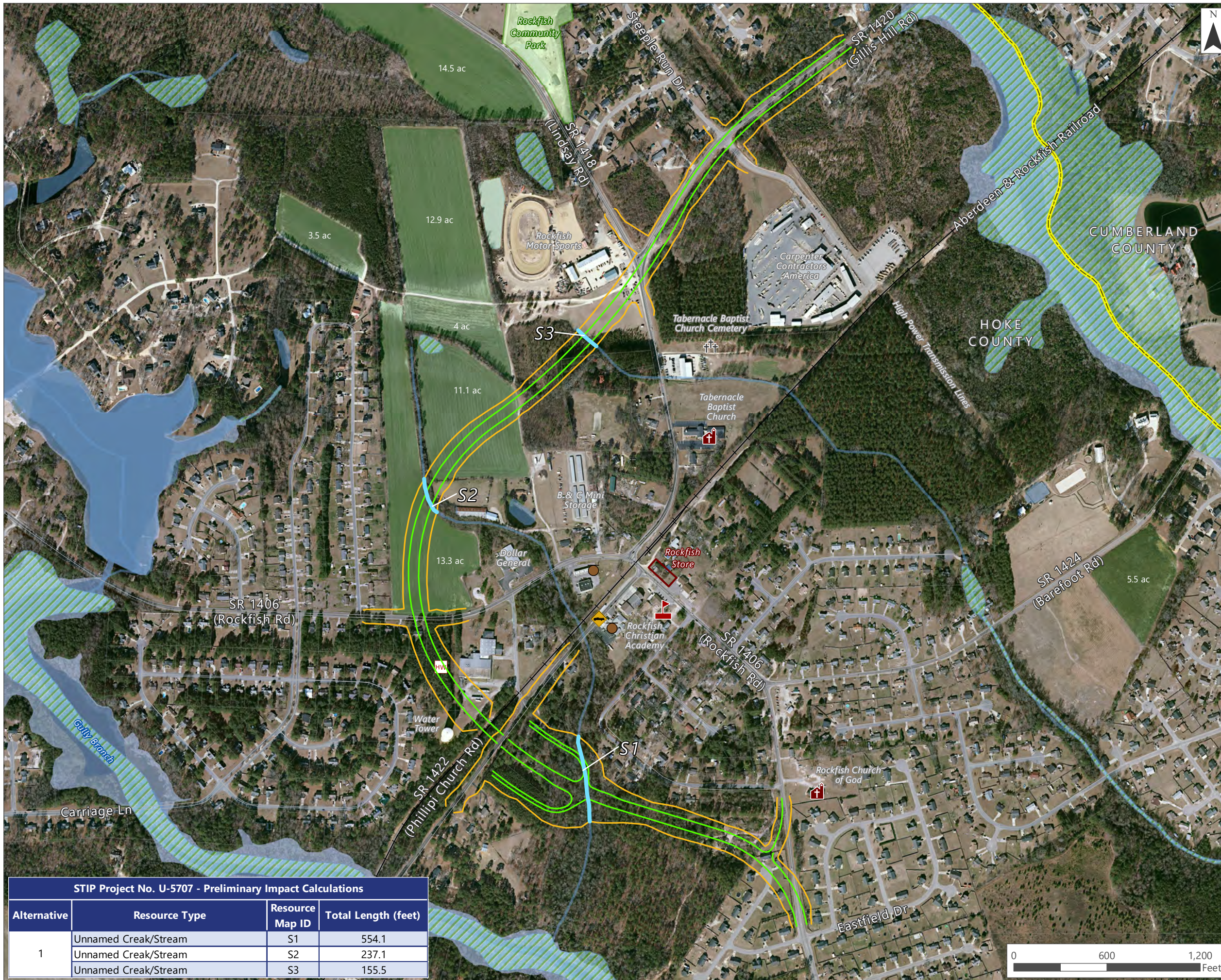
	S3 – 250 ft crossing
Critical water supply watersheds (rounded to nearest acre)	None
Riparian Buffer rules apply (yes/no/part)	None
Area of active agriculture (Est to the nearest acre)	Active agricultural fields are located within the proposed project corridor west of Lindsay Rd/north of Rockfish Rd. VAD information is not available for Hoke County. Agricultural areas within Alt 1: 7.6 ac Agricultural areas within Alt 2: 3.7 ac
Parks, greenways, game lands, land and water conservation fund properties, etc. (#)	Park – Rockfish Community Park on Lindsay Road approximately 0.31 miles north of Gillis Hill Road outside of the study area
Identified critical habitat/species under ESA (yes/no/part)	No T&E species per the USFWS website. NRTR – anticipated May-June 2019 Species common to Hoke County: Schwalbea americana (American chaffseed) (E) Rhus michauxii (Michaux’s sumac) (E) Lysimachia asperulaefolia (Rough-leaved loosestrife) (E)
FEMA buyout properties	None
Other known/suspected resources or issues (identify low income or minor community) (#)	TBD

NOTE: This table is to be used in conjunction with the Environmental Screening and Community Context Screening Maps for the purposes of evaluation the feasibility of potential corridors. Use of the table without the aid of mapping may lead to misinformed decisions.



Hoke County
STIP No: U-5707

Figure 1
Vicinity Map



Legend

- Alt 2 Proposed Edge of Travel
- Alt 1 Slope Stake + 25'
- Potential Stream Impact*
- Railroad
- Church
- Cemetery
- School
- Fire Station
- Hazardous Waste Site
- Underground Storage Tank
- Potential Historic Property
- Park
- Active Farmland
- USDA NRCS Creek / Stream
- NWI Water Body
- NWI Wetland
- FRIS Floodway
- FRIS 100 Year Floodplain
- Parcel Boundary
- County Boundary

Note:

- Edge of travel may differ slightly from edge of pavement depending on shoulder width (0-4')
- * Potential stream, wetland, and pond impacts calculated using GIS and available data and are subject to change. Impacts determined based on slope stakes + 25' buffer.

Source:

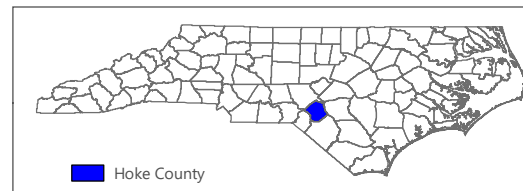
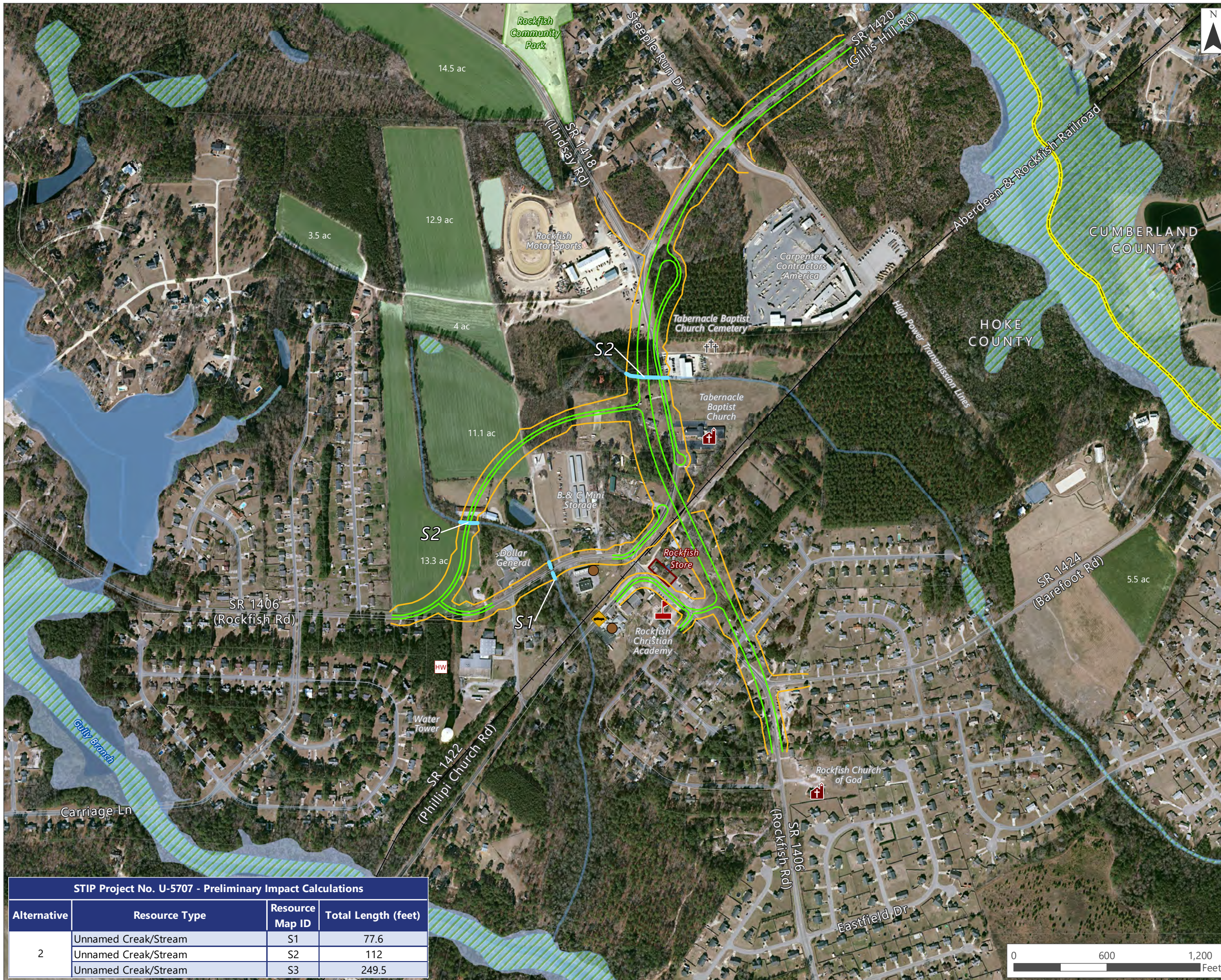
- Creek/Stream: US Dept. of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Hydrography Database
- Wetland: US Fish and Wildlife Service National Wetlands Inventory (NWI)
- Floodway/Floodplains: Flood Risk Information

Gillis Hill Road Extension
Construct a roadway on a new location from Gillis Hill Road to Rockfish Road

Division 8	TIP No. U-5707
	March 2019

Figure 1A
Environmental Features Map

STIP Project No. U-5707 - Preliminary Impact Calculations			
Alternative	Resource Type	Resource Map ID	Total Length (feet)
1	Unnamed Creak/Stream	S1	554.1
	Unnamed Creak/Stream	S2	237.1
	Unnamed Creak/Stream	S3	155.5



Hoke County

Legend

- Alt 2 Proposed Edge of Travel
- Alt 2 Slope Stake + 25'
- Potential Stream Impact*
- Railroad
- Church
- Cemetery
- School
- Fire Station
- Hazardous Waste Site
- Underground Storage Tank
- Potential Historic Property
- Park
- Active Farmland
- USDA NRCS Creek / Stream
- NWI Water Body
- NWI Wetland
- FRIS Floodway
- FRIS 100 Year Floodplain
- Parcel Boundary
- County Boundary

Note:
 - Edge of travel may differ slightly from edge of pavement depending on shoulder width (0-4')
 * Potential stream, wetland, and pond impacts calculated using GIS and available data and are subject to change. Impacts determined based on slope stakes + 25' buffer.

Source:
 - Creek/Stream: US Dept. of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Hydrography Database
 - Wetland: US Fish and Wildlife Service National Wetlands Inventory (NWI)
 - Floodway/Floodplains: Flood Risk Information

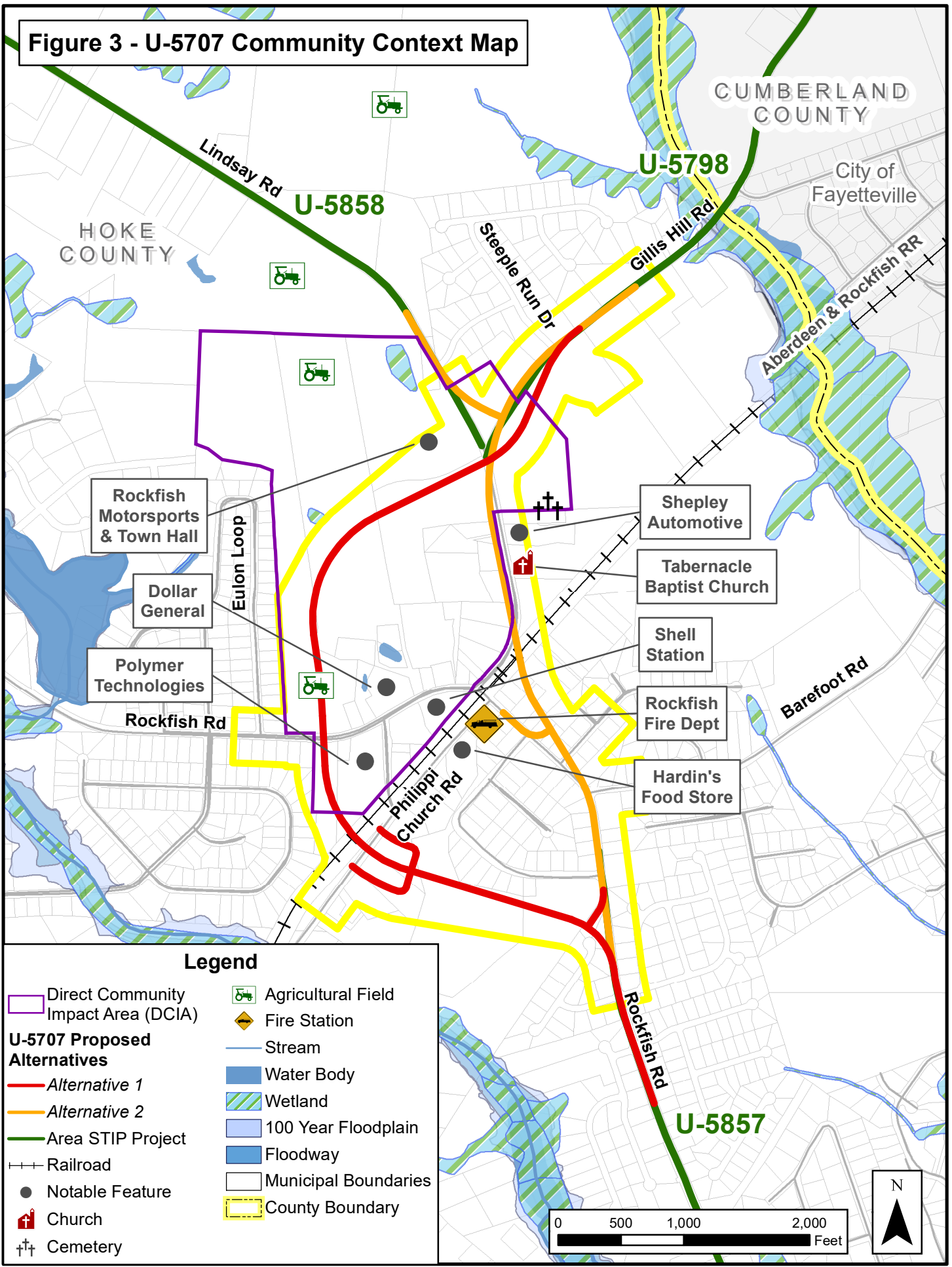
Gillis Hill Road Extension
 Construct a roadway on a new location from Gillis Hill Road to Rockfish Road

Division 8	TIP No. U-5707
	March 2019

Figure 1B
 Environmental Features Map

STIP Project No. U-5707 - Preliminary Impact Calculations			
Alternative	Resource Type	Resource Map ID	Total Length (feet)
2	Unnamed Creak/Stream	S1	77.6
	Unnamed Creak/Stream	S2	112
	Unnamed Creak/Stream	S3	249.5

Figure 3 - U-5707 Community Context Map



Legend

- Direct Community Impact Area (DCIA)
- County Boundary
- Alternative 1
- Alternative 2
- Area STIP Project
- Railroad
- Notable Feature
- ✚ Church
- ✚✚ Cemetery
- Agricultural Field
- ⬇ Fire Station
- Stream
- Water Body
- Wetland
- 100 Year Floodplain
- Floodway
- Municipal Boundaries

