

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	<u>BR-0111</u>
WBS Element	<u>48820.1.1</u>
Federal Aid Project No.	<u>2020001</u>

A. Project Description, Location, and Purpose:

The purpose of this project is to replace Edgecombe County Bridge No. 3, Bridge No. 4, and Bridge No. 5 on SR 1404 (Seven Bridges Road) over Swift Creek.

Bridge No. 3 is 125 feet long. The replacement structure will be a bridge approximately 165 feet long providing a minimum 30-foot 10-inch clear deck width.

Bridge No. 4 is 125 feet long. The replacement structure will be a bridge approximately 165 feet long providing a minimum 30-foot 10-inch clear deck width.

Bridge No. 5 is 50 feet long. The replacement structure will be a bridge approximately 100 feet long providing a minimum 30-foot 10-inch clear deck width. Each bridge will include two 11-foot lanes and 4-foot 5-inch offsets. The bridge length for each bridge is based on preliminary design information and is set by hydraulic requirements.

The approach roadway will extend approximately 160 feet from the west end of Bridge No. 5 and 142 feet from the east end of the Bridge No. 3. The approaches will be widened to include a 22-foot pavement width providing two 11-foot lanes. Three-foot shoulders will be provided on each side (7-foot shoulders where guardrail is included). The roadway will be designed as a Local Route with a 55 mile per hour design speed.

Traffic will be detoured off-site during construction.

B. Consultation Phase: (Check one)

- Right-of-Way
- Construction
- Other: Identify the trigger – (e.g., design change, change in impacts)

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)

- FHWA Class II (CE)                      7/24/19

Additional Notes: Type I A

D. Changes in Proposed Action & Environmental Consequences:

Water Resources

The water resource classifications for the streams identified in the Categorical Exclusion remain accurate.

Protected Species

The list of protected species remain unchanged since the Categorical Exclusion was completed. No species have been added or removed for the county.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

F. Coordination

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives and FHWA (where applicable). The NCDOT Project Manager, Jacquelyn Bowles, PE, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Greg Purvis	9/17/2020
Environmental Specialist:	Jason Dilday	9/17/2020
FHWA (if applicable):	Name	Date
Other:	Name	Date

G. Consultation Approval for NCDOT Project BR-0111

**Prepared By:**

9/23/2020

Date

DocuSigned by:  
Kim L. Gillespie, PE  
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Kim L. Gillespie, PE  
NCDOT, Project Management Unit

**Prepared For:**

DocuSigned by:  
Jacquelyn Bowles, PE  
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Jacquelyn Bowles, PE  
NCDOT, Structures Management Unit

**Reviewed By:**

9/24/2020

Date

DocuSigned by:  
Colin Mellor  
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Colin Mellor, Team Lead  
NCDOT, Environmental Policy Unit

**Approved** In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or

**Certified** NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

9/24/2020

Date

DocuSigned by:  


44A2999A8BC64E2  
\_\_\_\_\_  
David Stutts, PE - Project Engineer – PEF/Program Management  
NCDOT – Structures Management Unit

FHWA Approved: FHWA signature required for Type I(B) CE, Type II(B) CE, Type III CE, FONSI or ROD.

\_\_\_\_\_  
Date

N/A  
\_\_\_\_\_  
John F. Sullivan, III, PE, Division Administrator  
Federal Highway Administration

H. Project Commitments (as of September 17, 2020)

**Edgecombe County  
Bridge Numbers 3, 4, and 5 on  
SR 1404 (Seven Bridges Road) over Swift Creek  
WBS No. 48820.1.1  
TIP No. BR-0111**

*Current status to the project commitments as shown in the CE for the project are printed in italics.*

**NCDOT Division Four – Offsite Detour**

In order to have time to adequately reroute school busses, Edgecombe County Schools will be contacted at least one month prior to road closure. The contact person is Rhonda Wainwright – Director of Transportation at (252) 641-2665.

Edgecombe County Emergency Services will be contacted at least one month prior to road closure to make the necessary temporary reassignments to primary response units. The contact person is Mark Walters – Emergency Services Director at (252) 641-7843.

**NCDOT Hydraulics Unit – FEMA Coordination**

The Hydraulics Unit coordinated with the NC Floodplain Mapping Program (FMP) on October 28, 2019 to determine status of project with regard to applicability of NCDOT's Memorandum of Agreement (MOA), or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

**Status:** *Coordination resulted in approval on February 10, 2020 for the FEMA NFIP (National Flood Insurance Program) under NCDOT's MOA with the FMP.*

**NCDOT Division Four Construction, Resident Engineer's Office – FEMA**

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

**NCDOT Division Hydraulics Unit– Buffer Rules**

The Tar-Pamlico River Basin Rules apply to this project.

**Status:** *Riparian buffer impacts will be avoided and minimized.*

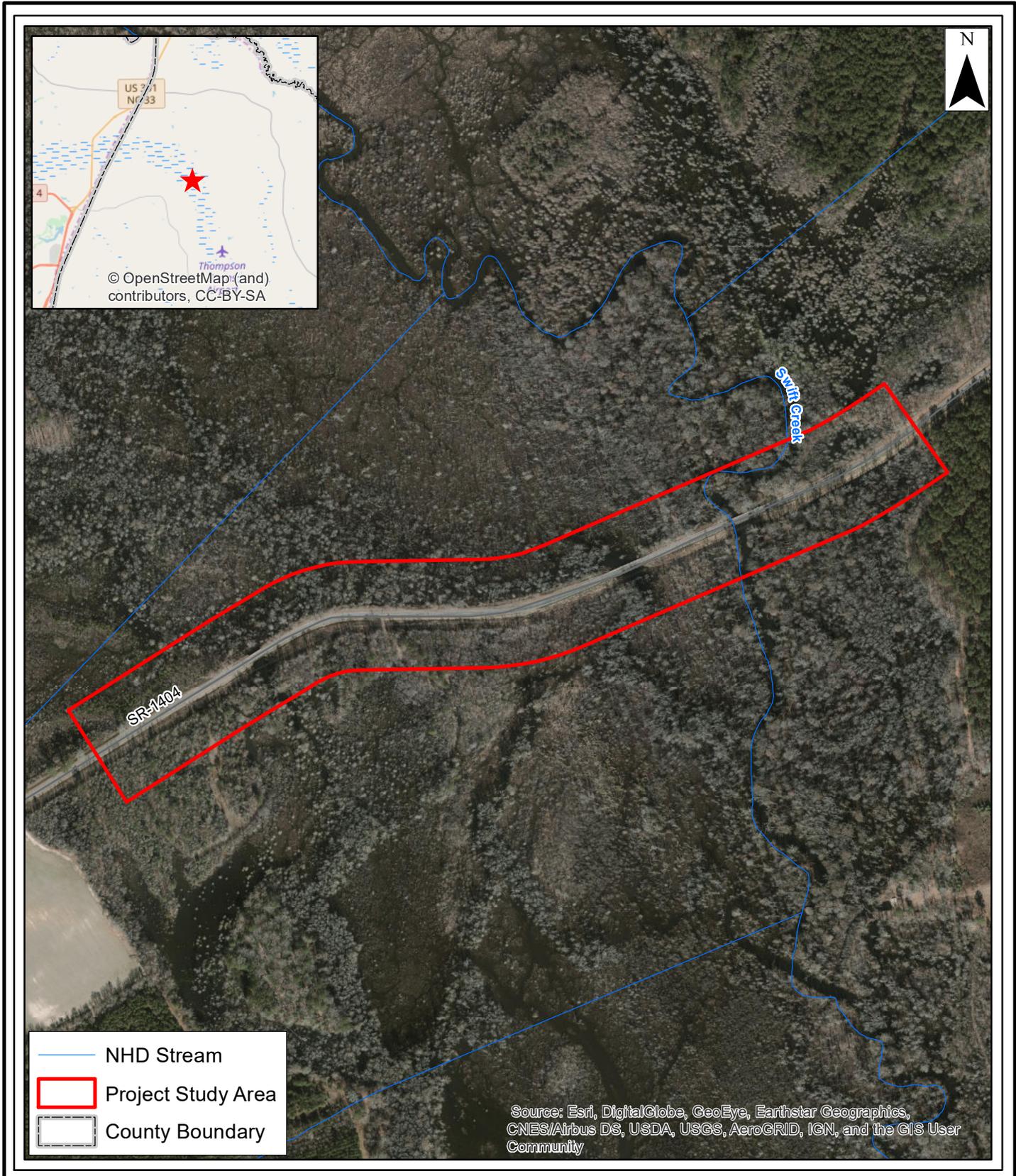
**NCDOT Environmental Analysis Unit – Section 7**

Section 7 will need to be resolved for the Tar River spiny mussel prior to permitting and construction.

**Status:** *Section 7 for this project will be satisfied by payment to the NC Non-Game Aquatic Species Fund as set in the US FWS Programmatic Biological Opinion for freshwater mussels.*

**COMMITMENTS FROM PERMITTING**

No special commitments were made during permitting.



Replacement of Bridge Nos. 03,  
04, and 05 on SR 1404 (Seven  
Bridges Rd.) over Swift Creek  
STIP No. BR-0111  
Project Vicinity Map  
Edgecombe County, North Carolina

Date: MAY 2019

Scale: 0 200 400 Feet

Job No.: 18-025

Drawn By: JSM | Checked By: NDH

Figure  
**1**



**NO NATIONAL REGISTER OF HISTORIC PLACES  
ELIGIBLE OR LISTED ARCHAEOLOGICAL SITES  
PRESENT FORM**



This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.

### PROJECT INFORMATION

Project No: **BR-0111** County: **Edgecombe**  
 WBS No: **67111.1.1** Document: **Federal CE**  
 F.A. No: Funding:  State  Federal  
 Federal Permit Required?  Yes  No Permit Type: **USACE**

**Project Description:** This project proposes to replace Bridges 3,4, & 5 on SR 1404 (Seven Bridges Rd) over Swift Creek in Edgecombe County, North Carolina. The archaeological Area of Potential Effects (APE) encompasses all areas of potential ground disturbing activity. (see attached shape file map).

### SUMMARY OF ARCHAEOLOGICAL FINDINGS

*The North Carolina Department of Transportation (NCDOT) Archaeology Group reviewed the subject project and determined:*

- There are no National Register listed or eligible ARCHAEOLOGICAL SITES present within the project's area of potential effects. (Attach any notes or documents as needed)
- No subsurface archaeological investigations were required for this project.
- Subsurface investigations did not reveal the presence of any archaeological resources.
- Subsurface investigations did not reveal the presence of any archaeological resources considered eligible for the National Register.
- All identified archaeological sites located within the APE have been considered and all compliance for archaeological resources with Section 106 of the National Historic Preservation Act and GS 121-12(a) has been completed for this project.

***Brief description of review activities, results of review, and conclusions:***

To determine the cultural resource potential of the APE, numerous sources of information were considered. First, preliminary construction design, funding, and other data was examined for defining the potential impacts to the APE ground surfaces and for determining the level of effort necessary for compliance. In this case, the project is federally-funded with federal (USACE) interaction and subject to Section 106 of the National Historic Preservation Act.

Next, a map review and site file search was conducted at the Office of State Archaeology (OSA) on Thursday, September 27, 2018. One previously documented archaeological site (31ED7) is located within or adjacent to the APE. This site is situated within a wetland area according to the Whitakers topographic map. The 31ED7 site form contained only the date it was recorded (1979) and that the sites location was found to be inconsistent or unreliable. Examination of National Register of Historic Places (NRHP), State Study Listed (SL), Locally Designated (LD), Determined Eligible (DE), and Surveyed Site (SS)

properties employing resources available on the North Carolina State Historic Preservation Office (NCSHPO) website demonstrated that no resources with potential archaeological deposits were located in the vicinity of the APE. Also, historic maps of Edgecombe County were appraised for former structure locations, land use patterns, cemeteries, or other confirmation of historic occupation in the project vicinity. Archaeological/historical reference materials were reviewed as well.

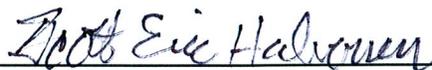
In addition, topographic, geologic, flood boundary, lidar, and NRCS soil survey maps were referenced for the evaluation of geomorphological, pedological, hydrological, and other environmental-type elements that may have resulted in past occupation at this location. Finally, review of aerial and on-ground images (NCDOT Spatial Data Viewer, Google, ARC-GIS) afforded first-hand perspectives of the overall study area which were useful for assessing localized disturbances, both natural and human induced, which compromise the integrity of archaeological sites/deposits. Based on environmental determinants, the APE is considered to have a very low potential for the recovery of archaeological artifacts, deposits, or features. However, the site locational consistency of 31ED7 must be assessed. An archaeological survey will therefore be recommended for the project.

An in-field reconnaissance and visual survey was conducted by NCDOT archaeologists Scott Halvorsen and Paul Mohler on November 13, 2018. First, a visual inspection of the entire APE was completed. No above-ground historic features or cemeteries were encountered. All portions of the APE, excepting for the roadway and shoulders, were inundated with standing water. Our assessment of the project area and APE is that the entirety is within a wetland. No dry lands were identified within the APE for shovel testing. Furthermore, it is our belief that 31ED7 has been inconsistently located on the OSA's Whitaker topographic map. There appears to be no archaeological sites within the project's APE.

Following investigation of the BR-0111 project area, no further archaeological consultation will be necessary. Our work found the APE to be situated within a wetland just as the topographic map illustrated. The entire APE was visually inspected and no sign of 31ED7 was made nor any cultural remains recovered. A finding of "No historic properties present" is deemed appropriate.

## SUPPORT DOCUMENTATION

See attached:  Map(s)     Previous Survey Info     Photos     Correspondence  
Signed:



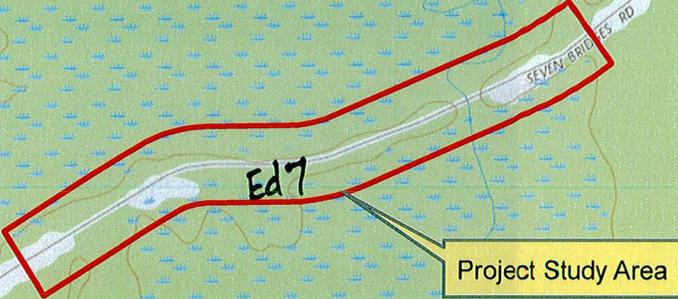
9/14/2020

NCDOT ARCHAEOLOGIST

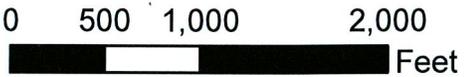
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EDGECOMBE  
COUNTY



USGS Topo Quad - Whitakers

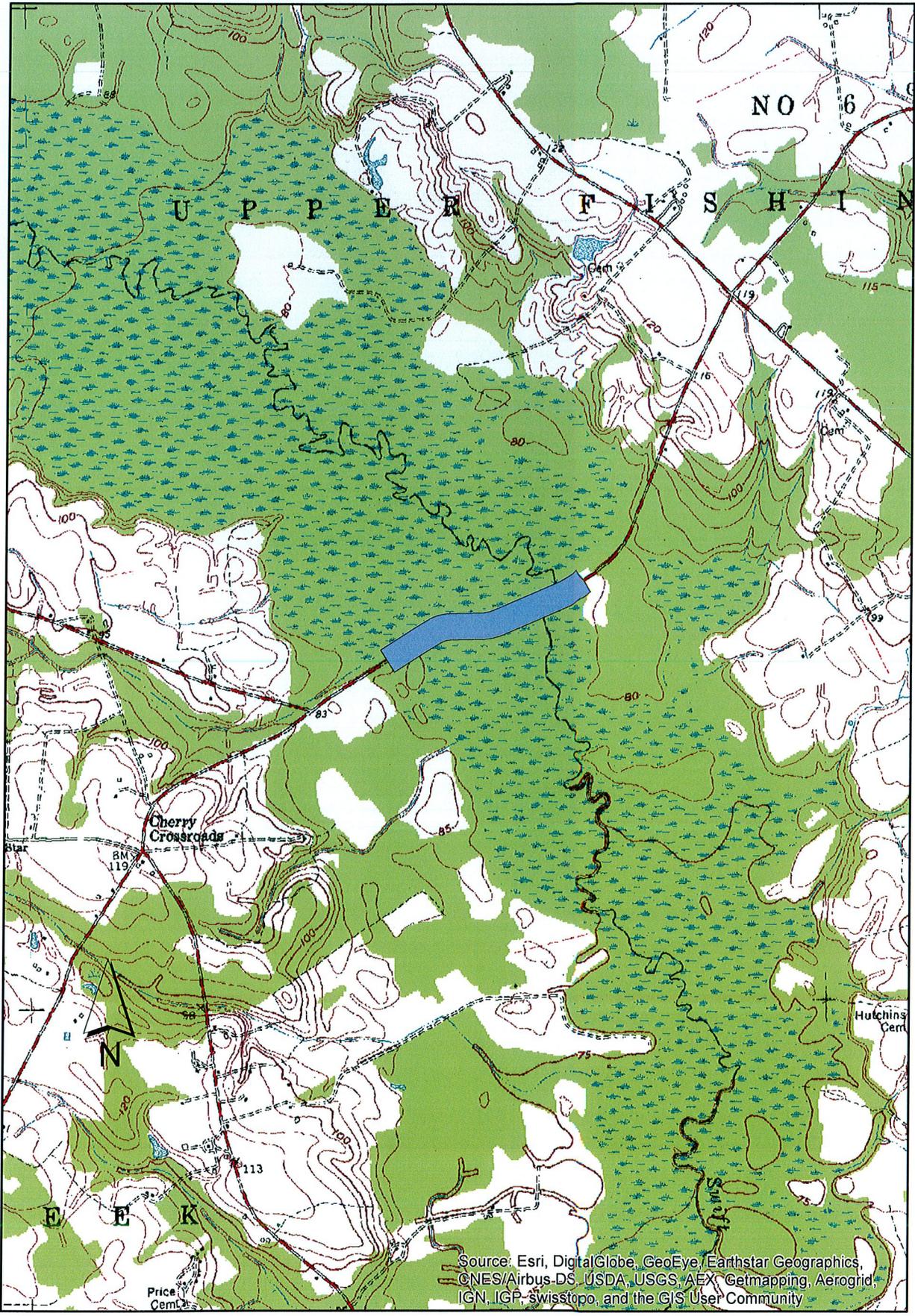


BR-0111



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, ICP, swisstopo, and the GIS User Community

ARC-GIS aerial shape file map showing the boundaries and location of the APE in Edgecombe County, North Carolina.



Portion of the Whitakers topographic map exhibiting the boundaries and location of the APE in Edgecombe County, North Carolina.

18-09-0081

**Second Revision**

## HISTORIC ARCHITECTURE AND LANDSCAPES NO SURVEY REQUIRED FORM

**This form supercedes that dated 30 April 2019 and 27 June 2019**

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

### PROJECT INFORMATION

<b>Project No:</b>	BR-0111	<b>County:</b>	Edgecombe
<b>WBS No.:</b>	48820.1.1	<b>Document Type:</b>	
<b>Fed. Aid No:</b>	1404019	<b>Funding:</b>	State    X    Federal
<b>Federal Permit(s):</b>	X Yes    No	<b>Permit Type(s):</b>	USACE

**Project Description:** Replace Bridge Numbers 3, 4, and 5 on SR 1404 (Seven Bridges Road) over Swift Creek (off-site detour planned, no improvements). **Resubmitted 14 September 2020 – new WBS number and funding change, final design.**

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**DESCRIPTION OF REVIEW ACTIVITIES, RESULTS, AND CONCLUSIONS:** HPOWeb reviewed on 24 October 2018 and 15 September 2020 and yielded no NR, SL, LD, DE, or SS properties in the Area of Potential Effects (APE). Edgecombe County current GIS mapping and aerial photography indicated an undeveloped APE of woodland and wetland (viewed 24 October 2018 and 15 September 2020). Both constructed in 1964, Bridge Nos. 3 and 4, as well as nearby Bridge No. 5, are not eligible for the National Register as they are neither technologically nor aesthetically significant. Google Maps "Street View" confirmed the absence of critical architectural or landscape resources in the APE (viewed 24 October 2018 and 15 September 2020). Bridge No. 5 added to project June 2019 – finding remains valid. **The resubmitted request allocated four instead of the usual thirty days for review, apparently in anticipation of a November 2020 let. Moreover, had additional resources appeared, this failure to consult with NCDOT Historic Architecture in a timely manner likely would have affected the project schedule. Fortunately, no additional investigation is required.**

**No architectural survey is required for the project as currently defined.**

**WHY THE AVAILABLE INFORMATION PROVIDES A RELIABLE BASIS FOR REASONABLY PREDICTING THAT THERE ARE NO UNIDENTIFIED SIGNIFICANT HISTORIC ARCHITECTURAL OR LANDSCAPE RESOURCES IN THE PROJECT AREA:** APE equates with the study area provided in the original review request (see attached), remains unchanged, and its validity is confirmed by the current design plans (see attached). The comprehensive county architectural survey (1985), as well as later studies record no properties in the APE. County GIS/tax materials and other visuals support the absence of significant architectural and landscape resources in the APE. No National Register-listed properties are located in the APE.

**Should the project limits or any aspect of the project design change, please notify NCDOT Historic Architecture as additional review may be necessary.**

**SUPPORT DOCUMENTATION**

X Map(s)     Previous Survey Info.     Photos     Correspondence    X Design Plans

**FINDING BY NCDOT ARCHITECTURAL HISTORIAN**

Historic Architecture and Landscapes -- **NO SURVEY REQUIRED**

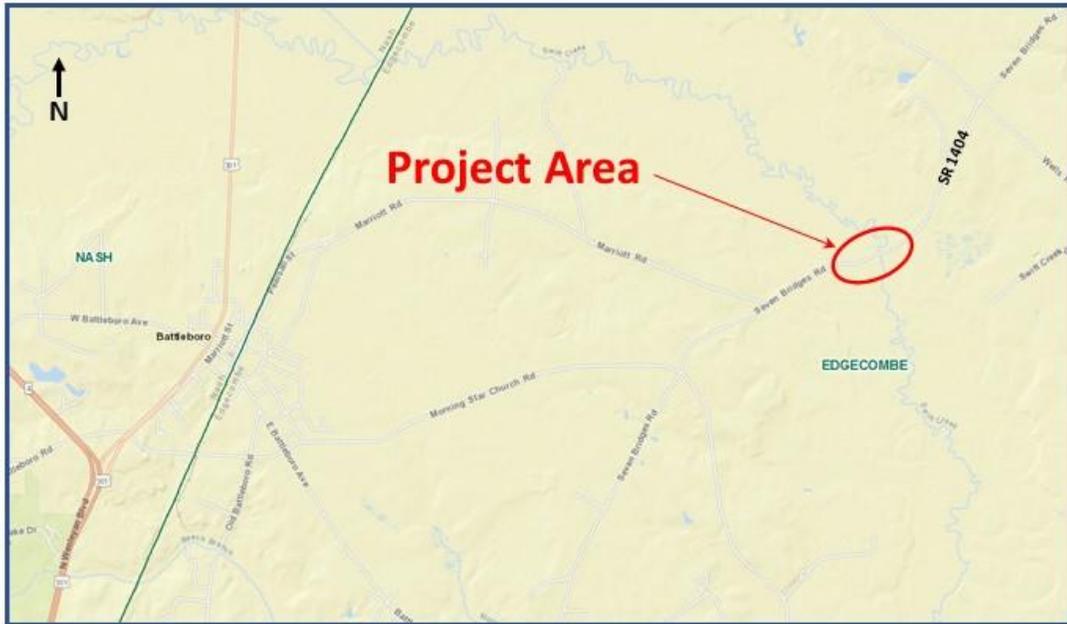


NCDOT Architectural Historian

18 September 2020

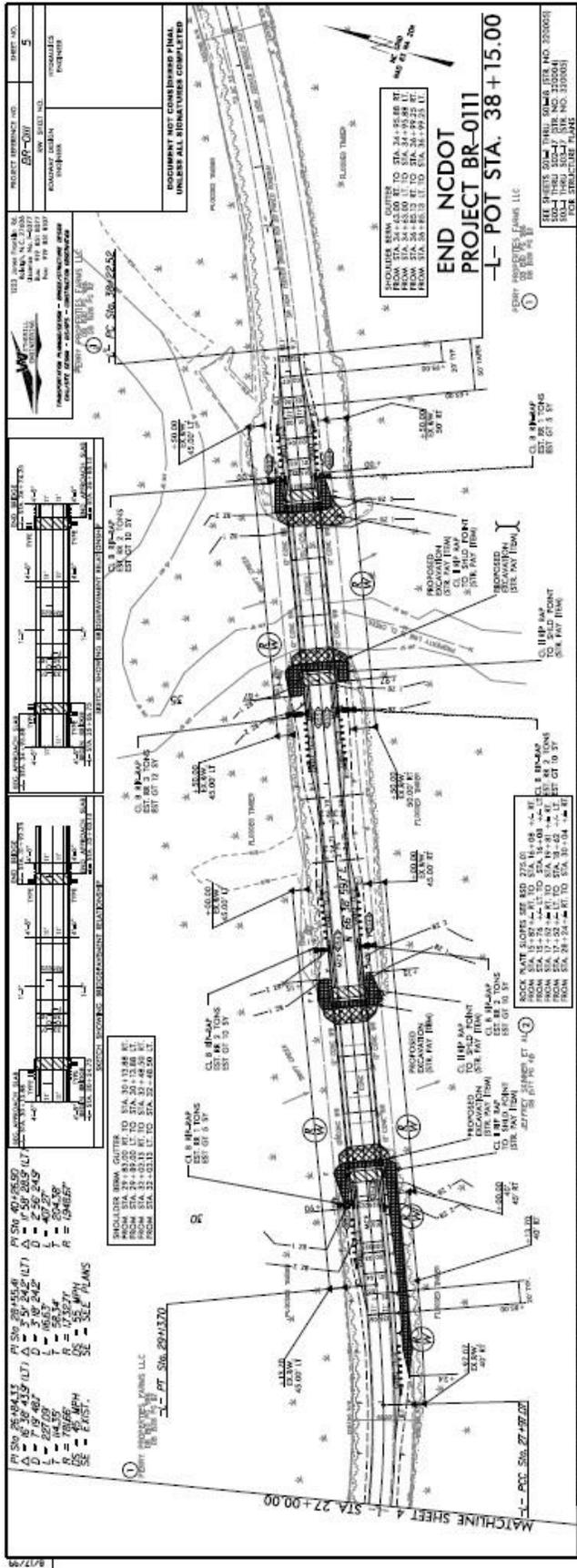
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*Historic Architecture and Landscapes NO SURVEY REQUIRED form for Minor Transportation Projects as Qualified in the 2007 Programmatic Agreement.*



BR-0111 Bridge Numbers 3, 4, and 5 Replacement Edgecombe County  
WBS No. 67111.1.1 Base Map: HPOWeb, nts





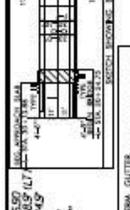
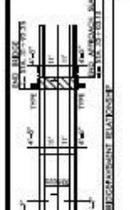
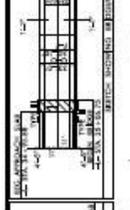
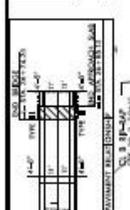
PROJECT REFERENCE NO.	017-001
SHEET NO.	5
DATE	08/11/11
DESIGNED BY	W. J. B. B. B.
CHECKED BY	W. J. B. B. B.
APPROVED BY	W. J. B. B. B.
PROJECT TITLE	ROADWAY IMPROVEMENT PROJECT

REQUIREMENT NOT CONSIDERED FINAL  
UNLESS ALL STRUCTURES COMPLETED

SHOULDER BERM GUTTER TO STA. 34+25.00 FT  
FROM STA. 34+25.00 FT TO STA. 34+95.00 FT  
FROM STA. 34+95.00 FT TO STA. 36+75.00 FT  
FROM STA. 36+75.00 FT TO STA. 38+15.00 FT

**END NCDOT  
PROJECT BR-0111  
-L- POT STA. 38 + 15.00**

DESIGNED BY: W. J. B. B. B.  
CHECKED BY: W. J. B. B. B.  
APPROVED BY: W. J. B. B. B.  
DATE: 08/11/11



SHOULDER BERM GUTTER  
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