

Type I and II Ground Disturbing Categorical Exclusion Action Classification Form

STIP Project No.	<u>B-5993</u>
WBS Element	<u>48148.1.1</u>
Federal Project No.	<u>STBG-0620(049)</u>

- A. Project Description: (Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)

This project replaces the City of Fayetteville bridge 250211 along Louise Street over Beaver Creek in Cumberland County. The bridge will be replaced on existing alignment while maintaining the existing off-site detour established by the City of Fayetteville. Sidewalks will be provided along the bridge.

- B. Description of Need and Purpose: The Louise Street bridge was damaged as the result of Hurricane Matthew, October 8, 2016. A subsequent bridge inspection revealed the damage and the bridge was closed off to vehicular traffic.

- C. Categorical Exclusion Action Classification: (Check one)

TYPE I A

- D. Proposed Improvements –

28. Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings, if the actions meet the constraints in 23 CFR 771.117(e)(1-6).

- E. Special Project Information: (Provide a description of relevant project information, which may include: vicinity map, costs, alternative analysis (if any), traffic control and staging, and resource agency/public involvement).

Design Build Municipal Bridge Agreement between the North Carolina Department of Transportation and the City of Fayetteville has been executed. The total available funding for the project is \$1,800,000.

The existing off-site detour will be utilized during construction.

F. Project Impact Criteria Checklists:

<u>Type I & II - Ground Disturbing Actions</u>			
<u>FHWA APPROVAL ACTIVITIES THRESHOLD CRITERIA</u>			
If any of questions 1-7 are marked "yes" then the CE will require FHWA approval.		Yes	No
1	Does the project require formal consultation with U.S. Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Does the project result in impacts subject to the conditions of the Bald and Golden Eagle Protection Act (BGPA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Does the project generate substantial controversy or public opposition, for any reason, following appropriate public involvement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Does the project involve a residential or commercial displacement, or a substantial amount of right of way acquisition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Does the project require an Individual Section 4(f) approval?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Does the project include adverse effects that cannot be resolved with a Memorandum of Agreement (MOA) under Section 106 of the National Historic Preservation Act (NHPA) or have an adverse effect on a National Historic Landmark (NHL)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If any of questions 8 through 31 are marked "yes" then additional information will be required for those questions in Section G.			
<u>Other Considerations</u>		Yes	No
8	Does the project result in a finding of "may affect not likely to adversely affect" for listed species, or designated critical habitat under Section 7 of the Endangered Species Act (ESA)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Is the project located in anadromous fish spawning waters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	Does the project impact waters classified as Outstanding Resource Water (ORW), High Quality Water (HQW), Water Supply Watershed Critical Areas, 303(d) listed impaired water bodies, buffer rules, or Submerged Aquatic Vegetation (SAV)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Does the project impact waters of the United States in any of the designated mountain trout streams?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Does the project require a U.S. Army Corps of Engineers (USACE) Individual Section 404 Permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Will the project require an easement from a Federal Energy Regulatory Commission (FERC) licensed facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Does the project include a Section 106 of the NHPA effects determination other than a no effect, including archaeological remains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Other Considerations (continued)</u>		Yes	No
15	Does the project involve hazardous materials and/or landfills?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	Does the project require work encroaching and adversely affecting a regulatory floodway or work affecting the base floodplain (100-year flood) elevations of a water course or lake, pursuant to Executive Order 11988 and 23 CFR 650 subpart A?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17	Is the project in a Coastal Area Management Act (CAMA) county and substantially affects the coastal zone and/or any Area of Environmental Concern (AEC)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	Does the project require a U.S. Coast Guard (USCG) permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19	Does the project involve construction activities in, across, or adjacent to a designated Wild and Scenic River present within the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20	Does the project involve Coastal Barrier Resources Act (CBRA) resources?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21	Does the project impact federal lands (e.g. U.S. Forest Service (USFS), USFWS, etc.) or Tribal Lands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	Does the project involve any changes in access control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23	Does the project have a permanent adverse effect on local traffic patterns or community cohesiveness?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	Will maintenance of traffic cause substantial disruption?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25	Is the project inconsistent with the STIP or the Metropolitan Planning Organization's (MPO's) Transportation Improvement Program (TIP) (where applicable)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26	Does the project require the acquisition of lands under the protection of Section 6(f) of the Land and Water Conservation Act, the Federal Aid in Fish Restoration Act, the Federal Aid in Wildlife Restoration Act, Tennessee Valley Authority (TVA), or other unique areas or special lands that were acquired in fee or easement with public-use money and have deed restrictions or covenants on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27	Does the project involve Federal Emergency Management Agency (FEMA) buyout properties under the Hazard Mitigation Grant Program (HMGP)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
28	Does the project include a <i>de minimis</i> or programmatic Section 4(f)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29	Is the project considered a Type I under the NCDOT's Noise Policy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30	Is there prime or important farmland soil impacted by this project as defined by the Farmland Protection Policy Act (FPPA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31	Are there other issues that arose during the project development process that affected the project decision?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

G. Additional Documentation as Required from Section F

Question 8 – Endangered Species: On May 4, 2015, the USFWS adopted a Programmatic Opinion for the Northern Long-eared bat for all projects and activities in the NCDOT Division 1-8 (including Cumberland County where B-5993 is located) and the Biological Conclusion for the NCDOT program is “May Affect, Likely to Adversely Affect.” The Biological Opinion provides an incidental take statement for all NCDOT projects in eastern North Carolina for the next five years. An incidental take is when a non-federal activity will result in the loss or “take”

of a threatened or endangered animal. As a condition of the incidental take statement, NCDOT has agreed to conservation measures to minimize adverse effect, and benefit or promote the recovery of the species.

H. Project Commitments

**Cumberland County
Louise Street Bridge (250211)
Federal Project No. STBG-0620(049)
WBS No. 48148.1.1
TIP No. B-5993**

Division 6 Bridge Maintenance Supervisor Schedule the construction of the bridge outside of the school year for Lewis Chapel School and Anne Chestnut Middle School.

Division 6 Bridge Maintenance Supervisor Contact the Lewis Chapel School , Anne Chestnut Middle School and Cumberland County School System to ensure bus transportation is provided to school students along Louise Street.

Division 6 Construction, Resident Engineer's Office This project involves construction activities on or adjacent to a FEMA-regulated stream. Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of the project construction, certifying that the drainage structure and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

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

I. Categorical Exclusion Approval

STIP Project No. B-5993
WBS Element 48148.1.1
Federal Project No. STBG-0620(049)

Prepared By:

08/09/18 _____
Date <James J Rerko, PWS
North Carolina Department of Transportation

Prepared For: North Carolina Department of Transportation

Reviewed By:

08/09/2018 _____
Date John Gauthier DDC Engineer
North Carolina Department of



Approved

If all of the threshold questions (1 through 7) of Section F are answered "no," NCDOT approves this Categorical Exclusion.



Certified

If any of the threshold questions (1 through 7) of Section F are answered "yes," NCDOT certifies this Categorical Exclusion.

08/09/2018 _____
Date C.W. Huff
Christy Huff, PE Division 6 Bridge Management Supervisor
On behalf of Greg Burns, PE Division 6 Engineer
North Carolina Department of Transportation

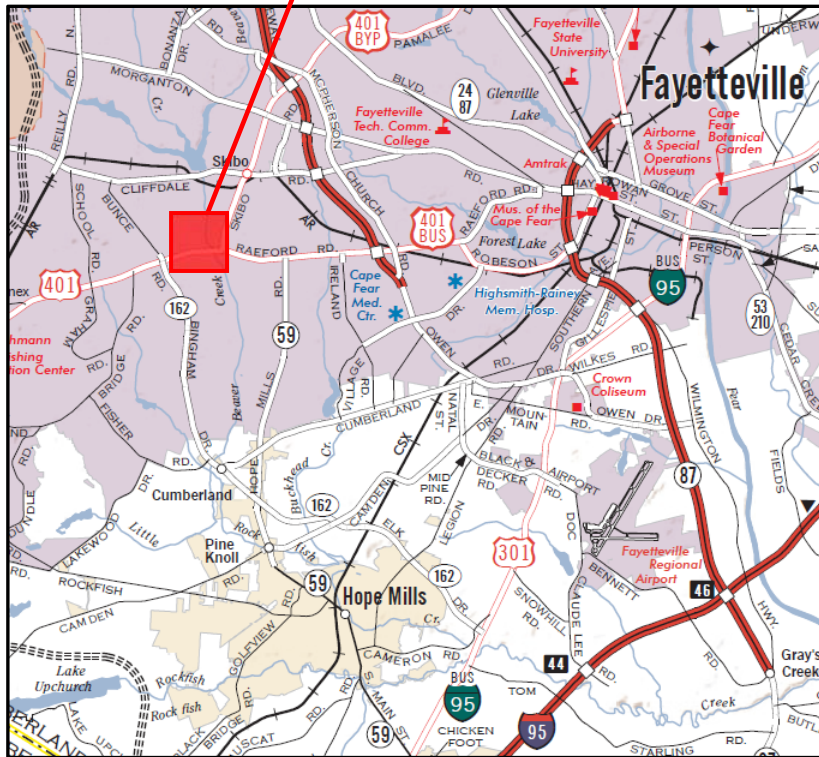
FHWA Approved: For Projects Certified by NCDOT (above), FHWA signature required.

_____ Date John F. Sullivan, III, PE, Division Administrator
Federal Highway Administration

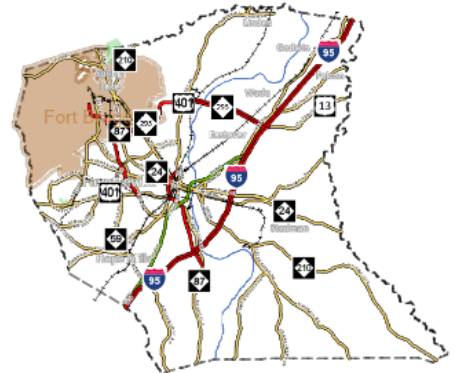
VICINITY MAP

B-5993

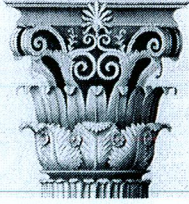
Bridge No. 250211 on Louise Street over Beaver Creek



Cumberland County



18-07-0004



HISTORIC ARCHITECTURE AND LANDSCAPES NO SURVEY REQUIRED FORM

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

Project No:	B-5993	County:	Cumberland
WBS No.:	48148.1.1	Document Type:	
Fed. Aid No:	STBG-0620(049)	Funding:	State <input type="checkbox"/> Federal <input checked="" type="checkbox"/>
Federal Permit(s):	X Yes No	Permit Type(s):	Not specified in review request
Project Description: Replace Bridge No. 211 on Louise Street over Beaver Creek in Fayetteville (no off-site detour specified in review request).			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

Description of review activities, results, and conclusions: HPOWeb reviewed on 10 July 2018 and yielded no NR, SL, DE, LD, or SS properties in the Area of Potential Effects (APE). Cumberland County current GIS mapping, aerial photography, and tax information indicated an undeveloped APE of mostly woodland and wetland with several unexceptional, residential resources dating from the mid-1960s and a commercial resource dating to the 1970s (viewed 10 July 2018). Bridge No. 211 is not eligible for the National Register, as it is neither aesthetically nor technologically significant. Google Maps "Street View" confirmed the absence of critical historic structures and landscapes in the APE (viewed 10 July 2018).

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: The APE extends 400 feet from either end of the existing bridge and 150 feet to either side of the Louise Street centerline to encompass anticipated construction activities and possible impacts. The comprehensive county architectural survey (1970s) as well as later studies recorded no resources in the APE. County GIS/tax materials and other visuals clearly illustrate the absence of significant architectural and landscape resources. No National Register-listed properties are located within the APE.

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

SUPPORT DOCUMENTATION

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

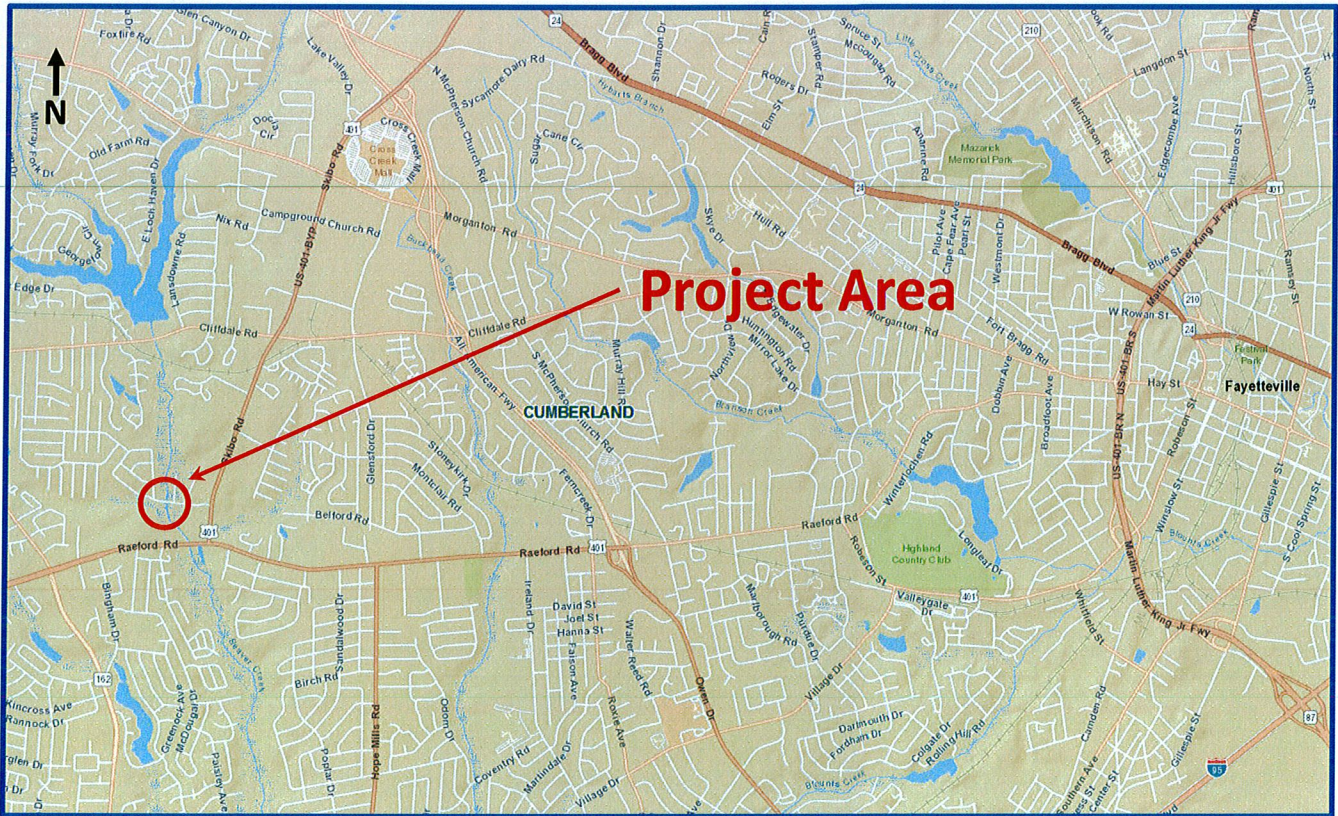
FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

Vanessa E. Patrick

NCDOT Architectural Historian

10 July 2018
Date



B-5993

Bridge No. 211 Replacement

Cumberland County

WBS No. 48148.1.1

Base map: HPOWeb, nts

NCDOT – Historic Architecture

July 2018

Tracking No. 18-07-0004

18-07-0004**NO ARCHAEOLOGICAL SURVEY REQUIRED 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: **B-5993** *County:* **Cumberland**
WBS No: **48148.1.1 or 17BP.6.PE.2** *Document:* **Federal PCE**
F.A. No: **STBG-0620(049)** *Funding:* State Federal

Federal Permit Required? Yes No *Permit Type:* **Not Specified**

Project Description: NCDOT's Design Build Unit on behalf of Division 6 proposes to replace Bridge No. 211 on Louise Street (non-system) crossing Beaver Creek in the City of Fayetteville, Cumberland County. At the request of the city, this replacement project was added to the NCDOT's STIP. Existing ROW along Louise Street measures approximately 60 feet. Project length measures about 422 feet (0.08 mile). However, since Preliminary Design Plans have not been developed yet, a Study Area for the project has been generated in order to facilitate environmental planning purposes at this stage. The Study Area will be centered on the bridge location and measure 300 feet from either end of the bridge and 100 feet off of centerline, encompassing about 3.01 acres, inclusive of the existing roadway, structure to be replaced, and any modern development.

SUMMARY OF CULTURAL RESOURCES REVIEW***Brief description of review activities, results of review, and conclusions:***

This project was accepted on Tuesday, July 10, 2018. A map review and site file search was conducted at the Office of State Archaeology (OSA) on Thursday, July 12, 2018. No archaeological surveys have occurred at or near this particular bridge location, and only two (2) archaeological sites (31CD94 and 31CD311) have been recorded within one (1) mile of the proposed project, neither of which was deemed eligible for the National Register of Historic Places (NRHP). Digital copies of HPO's maps (Fayetteville Quadrangle) as well as the HPOWEB GIS Service (<http://gis.ncdcr.gov/hpoweb/>) were last reviewed on Friday, June 13, 2018. There are no known historic architectural resources located within or adjacent to the Study Area for which intact archaeological deposits would be anticipated within the footprint of the proposed project. In addition, topographic maps, historic maps (NCMaps website), USDA soil survey maps, and aerial photographs were utilized and inspected to gauge environmental factors that may have contributed to historic or prehistoric settlement within the project limits, and to assess the level of modern, slope, agricultural, hydrological, and other erosive-type disturbances within and surrounding the Study Area.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

This is a federally funded project for which a Federal permit may be necessary. Permanent/temporary easements may also be necessary; however, the need for additional ROW was not conveyed as part of the submittal. The size and shape of the Study Area have been drawn in a way to capture any possible impacts beyond the NCDOT's existing ROW along Louise Street. At this time, we are in compliance with NC GS 121-12a, since there are no eligible (i.e. National Register-listed) archaeological resources

18-07-0004

located within the project's Study Area that would require our attention. Based on the description of the proposed project, activities may take place beyond the NCDOT's existing ROW. From an environmental perspective, the Study Area falls within a narrow floodplain setting bordered by various forms of urban development (1960s residential development as well as commercial development along Skibo Road and Raeford Road). The Study Area is located in the Sandhills physiographic region of North Carolina and consists of two (2) soil types: Johnston loam (Jt) and Pactolus loamy sand (Pa). Both soil types range from somewhat poorly drained to very poorly drained and would not be considered high probability factors. In addition, all mapping suggests that this area is a fairly active flood zone. Depicted as wetlands/swamp since 1950, Beaver Creek appears to have also been extensively rechanneled in the early 1960s when Louise Street was first constructed, connecting the Hollywood Heights subdivision to Skibo Road. From a topographical perspective, both of the archaeological sites (31CD94 and 31CD311) in the area are/were situated in upland-like settings, roughly 100 to 600 feet beyond the limits of the flood zone of Beaver Creek. Based on the poor drainage conditions, the rechannelization of the creek, and the contrary topographical situations of nearby archaeological sites, the preservation of intact archaeological resources within the Study Area would not be anticipated. The Office of State Archaeology (OSA) has reviewed various projects within the vicinity of the Study Area for environmental compliance, including residential development (ERs 01-8839, 01-0623, and 92-0270), utility/sewer improvements (ERs 01-8970, 97-7484, and 98-8465), transportation improvements (ERs 97-9029 [TIP# U-3424], 99-7971 [TIP# U-3846], and 93-8872 [TIP# U-2207]), cell towers (CT 01-0763 and ER 98-7363), and a borrow pit (ER 92-7665). Although OSA did not recommend archaeological surveys for any of these projects, a survey was conducted for mitigative efforts for potential 4(f) resources along Skibo Road, which resulted in the documentation of Site 31CD311 (Robinson 1993), which was recommended not eligible for the NRHP. Within five (5) miles of the Study Area, NCDOT's Archaeology Group has reviewed at least eight (8) transportation-related projects for environmental compliance under the Programmatic Agreement (PA) with the State Historic Preservation Office (NC-HPO), three of which are located within one (1) mile of the proposed project. No archaeological surveys were recommended for any of these projects based on each urbanized setting and the level of modern disturbances within each project's Study Area. Given the poor soil conditions and disturbed nature of the Study Area and based on the results of previously reviewed and surveyed areas in the vicinity, there is a low probability for significant prehistoric and/or historic archaeological materials to be present. Therefore, it is believed that the current Study Area, as depicted, is unlikely to contain intact and significant archaeological resources. No archaeological survey is required for this project. If design plans change or are made available prior to construction, then additional consultation regarding archaeology will be required. At this time, no further archaeological work is recommended. If archaeological materials are uncovered during project activities, then such resources will be dealt with according to the procedures set forth for "unanticipated discoveries," to include notification of NCDOT's Archaeology Group.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Photocopy of County Survey Notes Other:

FINDING BY NCDOT ARCHAEOLOGIST**NO ARCHAEOLOGY SURVEY REQUIRED**


NCDOT ARCHAEOLOGIST

July 13, 2018

Date

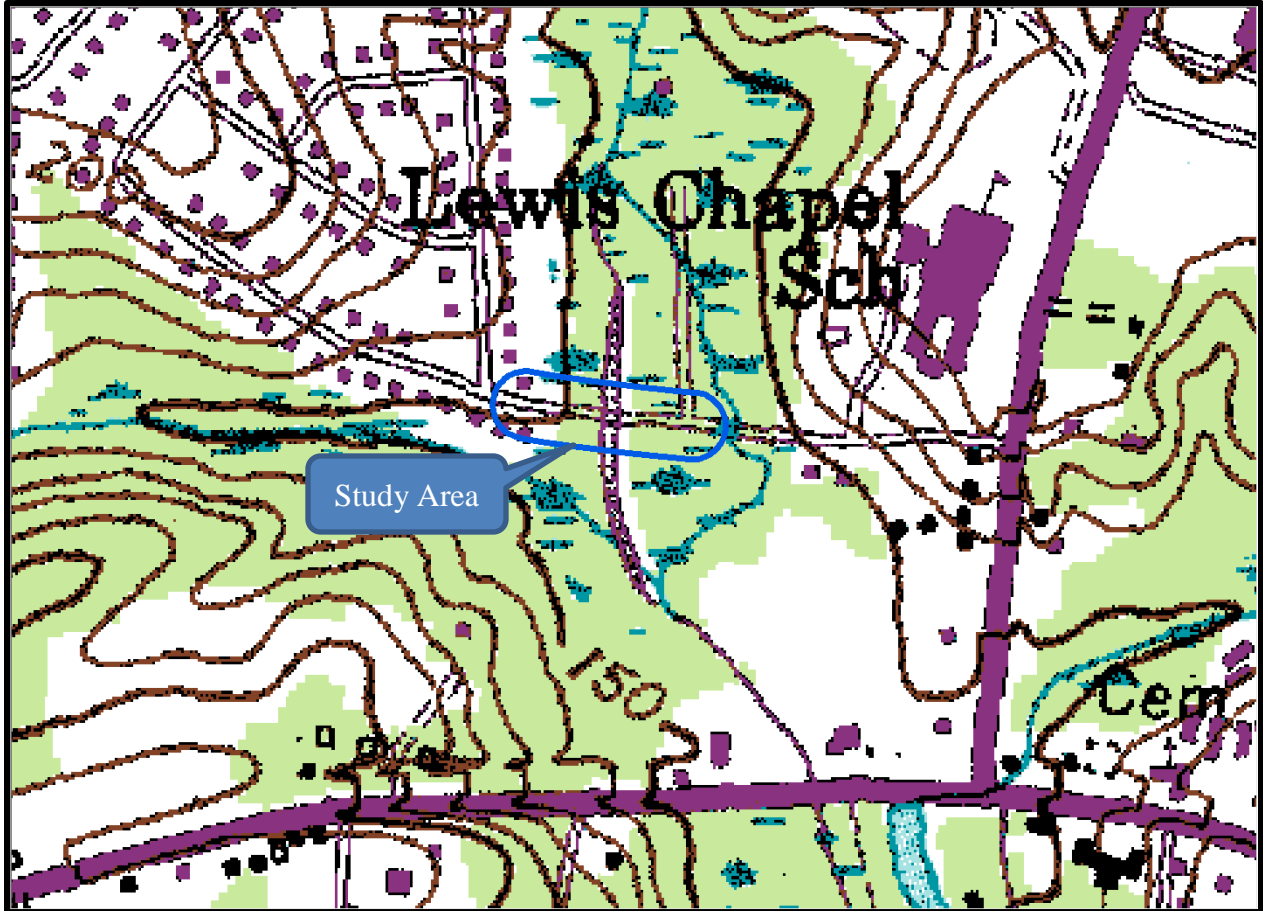












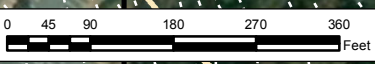
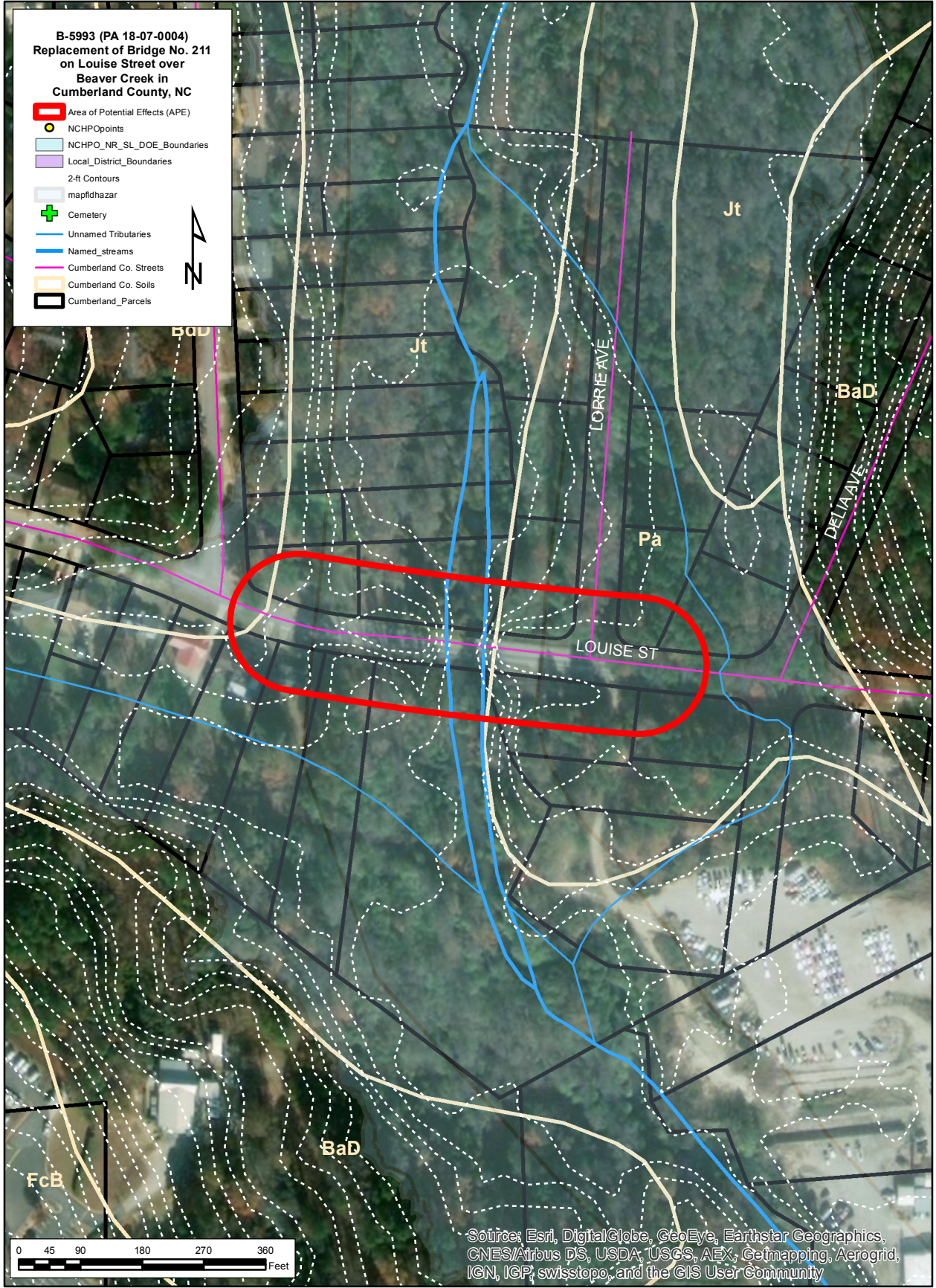


Figure 1: Fayetteville, NC (USGS 1957 [PR87]).

**B-5993 (PA 18-07-0004)
Replacement of Bridge No. 211
on Louise Street over
Beaver Creek in
Cumberland County, NC**

-  Area of Potential Effects (APE)
-  NCHPOpoints
-  NCHPO_NR_SL_DOE_Boundaries
-  Local_District_Boundaries
-  2-ft Contours
-  mapfldhazar
-  Cemetery
-  Unnamed Tributaries
-  Named_streams
-  Cumberland Co. Streets
-  Cumberland Co. Soils
-  Cumberland_Parcels



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