

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

|                         |                  |
|-------------------------|------------------|
| STIP Project No.        | <u>BR-0120</u>   |
| WBS Element             | <u>48829.1.1</u> |
| Federal Aid Project No. | <u>2020001</u>   |

A. Project Description, Location, and Purpose:

This project is comprised of the replacement of Bridge #730123 on SR 1552 (Tucker-Bullock Road) over Meadow Branch in Pitt County.

The proposed bridge will be approximately 72 feet long with a clear roadway width of 24.8 feet. The approach roadway will extend approximately 170 feet and 217 feet on the south and north ends of the bridge, respectively, using two-foot paved shoulders.

The bridge will be replaced on the existing alignment while detouring traffic offsite.

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) 9/5/19

Additional Notes: Type I A

D. Changes in Proposed Action & Environmental Consequences:

Protected Species

As of September 17, 2020, there have been no changes to the US Fish and Wildlife Service (USFWS) list of federally-protected species for Pitt County since completion of the CE for the project.

Changes to the Proposed Design

There have been some minor changes in the design of the project since the completion of the CE.

The approach roadway lengths as noted in Section A were shortened to approximately 170 feet and approximately 218 feet on the south and north ends of the bridge, respectively. The beginning project station remains at 11+50.00 and the ending station remains at 16+10.00, therefore the overall length of the project is the same.

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:          | Sam Cullum    | 9/17/2020 |
| Environmental Specialist: | Deanna Riffey | 9/17/2020 |
| FHWA (if applicable):     | Name          | Date      |
| Other:                    | Name          | Date      |

G. Consultation Approval for NCDOT Project BR-0120

**Prepared By:**

10/8/2020

Date

DocuSigned by:  
*Kim L. Gillespie, PE*  
E9AA3A8EE2574FE...

Kim L. Gillespie, PE, Project Manager  
NCDOT – Project Management Unit

**Prepared For:**

DocuSigned by:  
*Jacquelyn Bowles, PE*  
DD20E87EDFB047E...

Jacquelyn Bowles, PE  
NCDOT, Structures Management Unit

**Reviewed By:**

10/12/2020

Date

DocuSigned by:  
*Colin Mellor*  
33683EFFD0F44D3...

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.

10/12/2020

Date

DocuSigned by:  
*David Stutts*  
A4A2999A8BC64E2...

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.

N/A

Date

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

H. Project Commitments (as of September 18, 2020)

**Pitt County**  
**Bridge #730123 over Meadow Branch on**  
**SR 1552 (Tucker-Bullock Road)**  
**WBS No. 48829.1.1**  
**TIP No. BR-0120**

NCDOT has agreed to the following special commitments:

**NCDOT Division 2 – Emergency Services**

Pitt County emergency services at (252) 902-3950 of project construction at least one month prior to the beginning of construction to make necessary temporary reassignment to primary response units.

**NCDOT Division 2 – Access**

Access will be maintained throughout construction for local traffic as well as for farms and active fields that are located near both ends of the bridge.

**NCDOT Hydraulics Unit – FEMA Coordination**

The Hydraulics Unit coordinated with the NC Floodplain Mapping Program (FMP) on September 20, 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). Coordination resulted in approval on December 18, 2019 for the FEMA NFIP (National Flood Insurance Program) under NCDOT's MOA with the FMP.

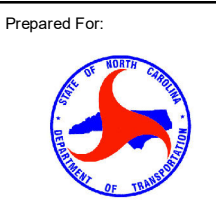
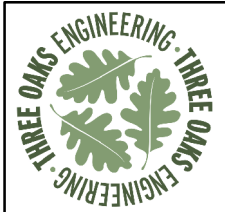
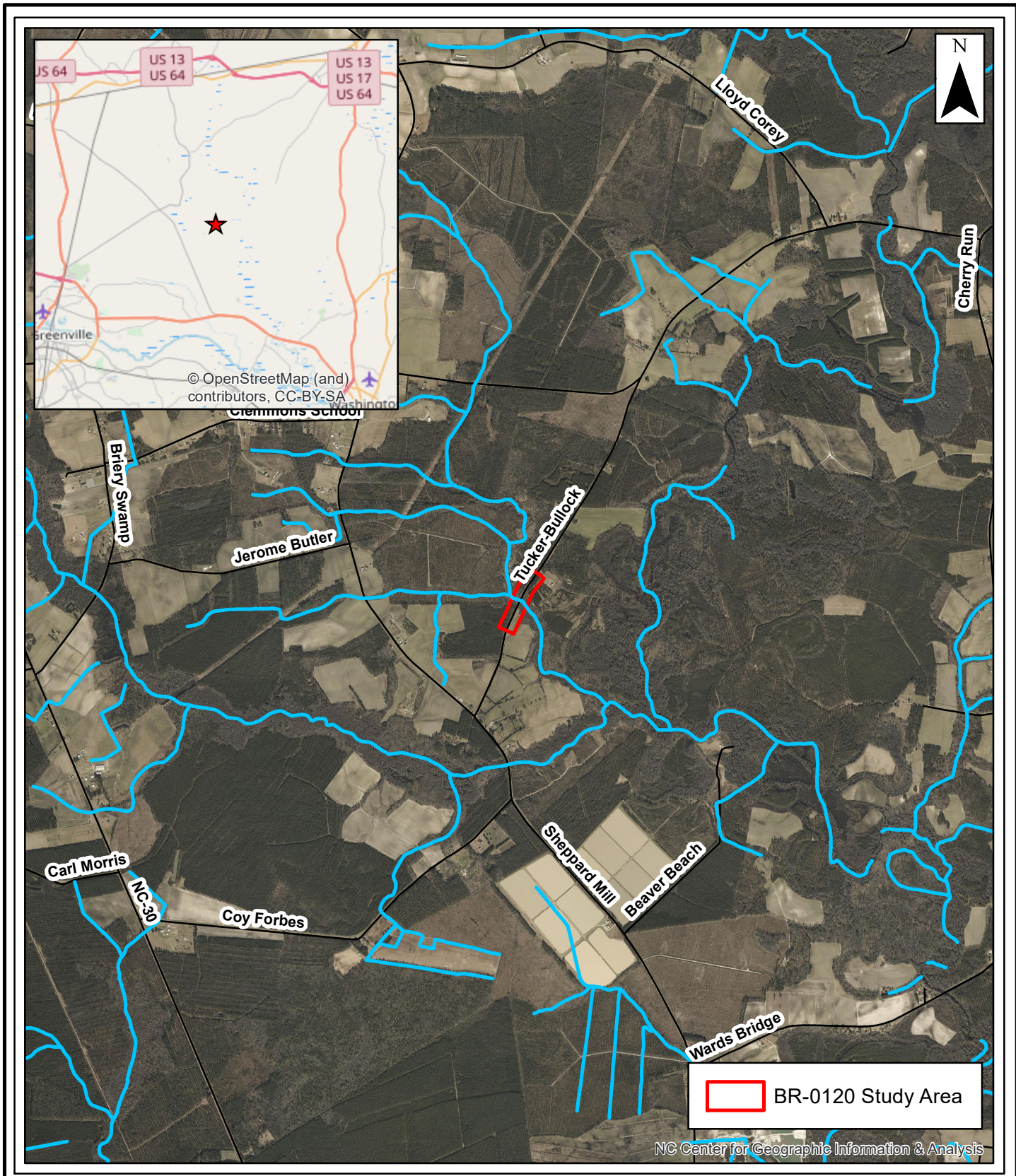
This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located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

**NCDOT Division 2 – Prime or Important Farmland**

Construction involves a five-mile offsite detour to maintain access to active fields located near both ends of the bridge. Early coordination efforts will be implemented with farmers to minimize impact on operations and avoid project delays.

**COMMITMENTS FROM PERMITTING**

No special commitments were made during permitting.



Replacement of Bridge No. 123 on  
 SR 1552 (Tucker-Bullock Rd)  
 over Meadow Branch  
 STIP BR-0120  
 Project Vicinity Map  
 Pitt County, North Carolina

Date: July 2019  
 Scale: 0 990 1,980 Feet  
 Job No.: 18-025  
 Drawn By: ETM      Checked By: JSM

Figure  
**1**

18-09-0076

**Revised**

**HISTORIC ARCHITECTURE AND  
LANDSCAPES -- NO SURVEY REQUIRED FORM**  
**This form supercedes that dated 8 October 2018**

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-0120     | <b>County:</b>         | Pitt               |
| <b>WBS No.:</b>  | 48829.1.1   | <b>Document Type:</b>  |                    |
| <b>Fed. Aid No:</b>  | 1551006     | <b>Funding:</b>        | State    X Federal |
| <b>Federal Permit(s):</b>  | X Yes    No | <b>Permit Type(s):</b> | USACE              |
| <b><i>Project Description:</i></b> Replace Bridge No. 123 on SR 1552 (Tucker-Bullock Road) over Meadow Branch (off-site detour, no improvements specified in review request).<br><b>Resubmitted 14 September 2020 – new WBS number and funding change, final design.</b> |             |                        |                    |

**SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW**

***DESCRIPTION OF REVIEW ACTIVITIES, RESULTS, AND CONCLUSIONS:*** HPOWeb reviewed on 8 October 2018 and 15 September 2020 and yielded no NR, SL, DE, LD, or SS properties in the Area of Potential Effects (APE). Pitt County current GIS mapping, aerial photography, and tax information indicated an APE of woodland and cultivated fields with one circa-2000 resource (viewed 8 October 2018 and 15 September 2020). Constructed in 1958, Bridge No. 123 is neither aesthetically nor technologically significant according to the NCDOT Historic Bridge Inventory. Google Maps "Street View" confirmed the absence of critical architectural and landscape resources in the APE (viewed 8 October 2018 and 15 September 2020). **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:*** The APE conforms to the study area provided with the original review request (see attached), which remains unchanged. Current design plans (see attached) confirm validity of APE. The county architectural survey and related publication, as well as later investigations, recorded no properties in the APE (Scott Power, *The Historic Architecture of Pitt County, North Carolina*, Greenville: Pitt County Historical Society, 1991). 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 within the APE.

**Should the funding, project limits, or 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**



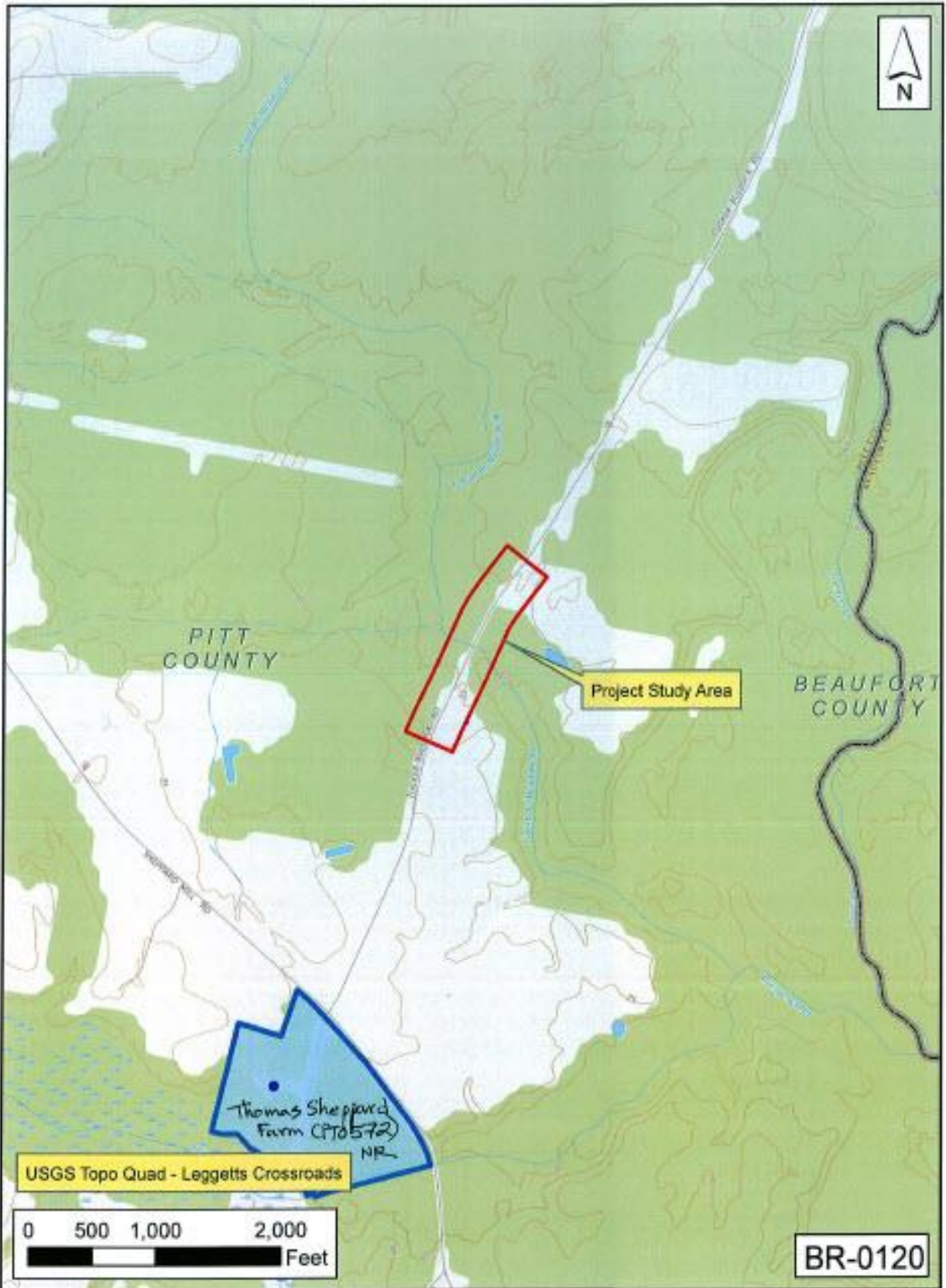
18 September 2020

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NCDOT Architectural Historian

Date

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

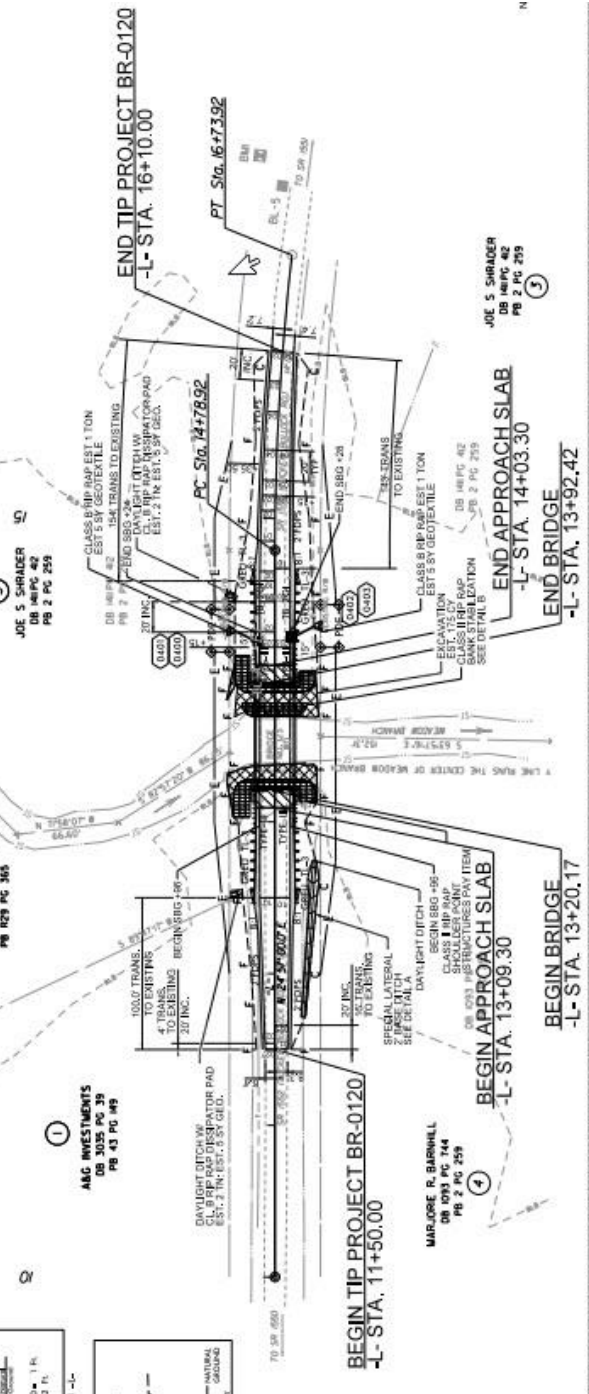
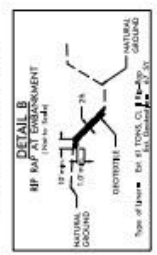


Tracking No. 18-09-0076

PITT COUNTY



-1-  
 PI Sta 15+76.52  
 $\Delta = 6.54$  193 (RT)  
 $D = 3.22$  132  
 $L = 195.00$   
 $R = 170.00'$   
 $SE = 42'$   
 $LI = 120'$



**BR-0120, Pitt County**  
**Sheet 4**



## 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: **BR-0120 (Structure 730123)** County: **Pitt**  
 WBS No: **48829.1.1** Document: **Federal CE**  
 F.A. No: **Not Known** Funding:  State  Federal

Federal Permit Required?  Yes  No Permit Type: **USACE (not specified)**

**Project Description:** NCDOT's Division 2 proposes to replace Bridge No. 123 on SR 1552 (Tucker-Bullock Road) over Meadow Branch in Pitt County. Bridge No. 123 was built in 1958 and has been chosen to be replaced. Presumably, this is to be a replace-in-place project. Existing ROW along the road appears to be 60 feet whereas a Proposed ROW width was not conveyed as part of the submittal. Project length is listed as about 0.50 mile. Since Preliminary Design Plans have not been developed yet, a Study Area has been generated in order to facilitate environmental planning purposes at this stage. The Study Area is centered on the bridge location and measures about 400 feet wide by about 1,613 feet long. The Study Area encompasses about 14.8 acres, inclusive of all existing roadways and any modern development.

### SUMMARY OF CULTURAL RESOURCES REVIEW

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

This project was accepted on Thursday, September 17, 2020. A review for this project was originally accepted on Monday, September 17, 2018. Since then, there have been no changes to the Study Area for the proposed project. The map review and site file search at the Office of State Archaeology (OSA) conducted on Wednesday, September 19, 2018 remains valid. This form is merely an update to that form. No archaeological surveys have been conducted at this bridge location and no archaeological sites have been recorded within one (1) mile of the proposed project. Digital copies of HPO's maps (Leggetts Crossroads Quadrangle) as well as the HPOWEB GIS Service (<http://gis.ncdcr.gov/hpweb/>) were last reviewed on Friday, September 28, 2018; an additional review took place on Thursday, September 17, 2020. 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 now a Federally funded project for which a Federal permit is anticipated. Permanent/temporary easements will be necessary. Although the need for additional ROW has now been conveyed, the size and shape of the Study Area initially reviewed captured any possible ground-disturbing activities associated with this project beyond NCDOT's existing ROW. At this time, we are still in compliance

with NC GS 121-12a, since there are no eligible (i.e. National Register-listed) archaeological resources 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 along the Tucker-Bullock Road corridor. From an environmental perspective, the Study Area consists of nearly level terrain to either side of Meadow Branch, typical of the Coastal Plain physiographic region of North Carolina. The Study Area is primarily composed of three (3) soil types, Bibb complex [Bb], Bladen fine sandy loam [Bd], and Craven fine sandy loam, 1-6% slopes, eroded [CrB2], two poorly drained soil types and one that has succumbed to erosion. Based on the poor hydrology north of Bridge No. 123 and the eroded nature of the landscape to the south, the archaeological probability within the Study Area would be considered low. Intact archaeological resources would not be anticipated within such environmental settings. Within the vicinity, the Office of State Archaeology (OSA) has reviewed only one (1) project for environmental compliance, that being what may have been the proposed widening of Tucker-Bullock Road through the Study Area (ER 08-0725). OSA did not recommend an archaeological survey for that project, presumably based on the constricted nature of that project (i.e. within existing ROW). Within five (5) miles of the Study Area, NCDOT's Archaeology Group has reviewed five (5) transportation-related projects (six [6] when one includes the previous review for this very project) for environmental compliance under the Programmatic Agreement (PA) with the State Historic Preservation Office (NC-HPO). Archaeological surveys were recommended and conducted for three (3) of those projects, based on favorable soil conditions (i.e. well-drained) and topographical situations. Six (6) archaeological sites were documented as a result of those surveys, none of which was deemed eligible for the NRHP. Despite the recordation of archaeological sites in the general region as a result of transportation-related improvements, the poor hydrology along Meadow Branch and the eroded soil conditions at this particular location would suggest an archaeological survey would not be necessary. Based on the information above, 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

September 17, 2020

Date

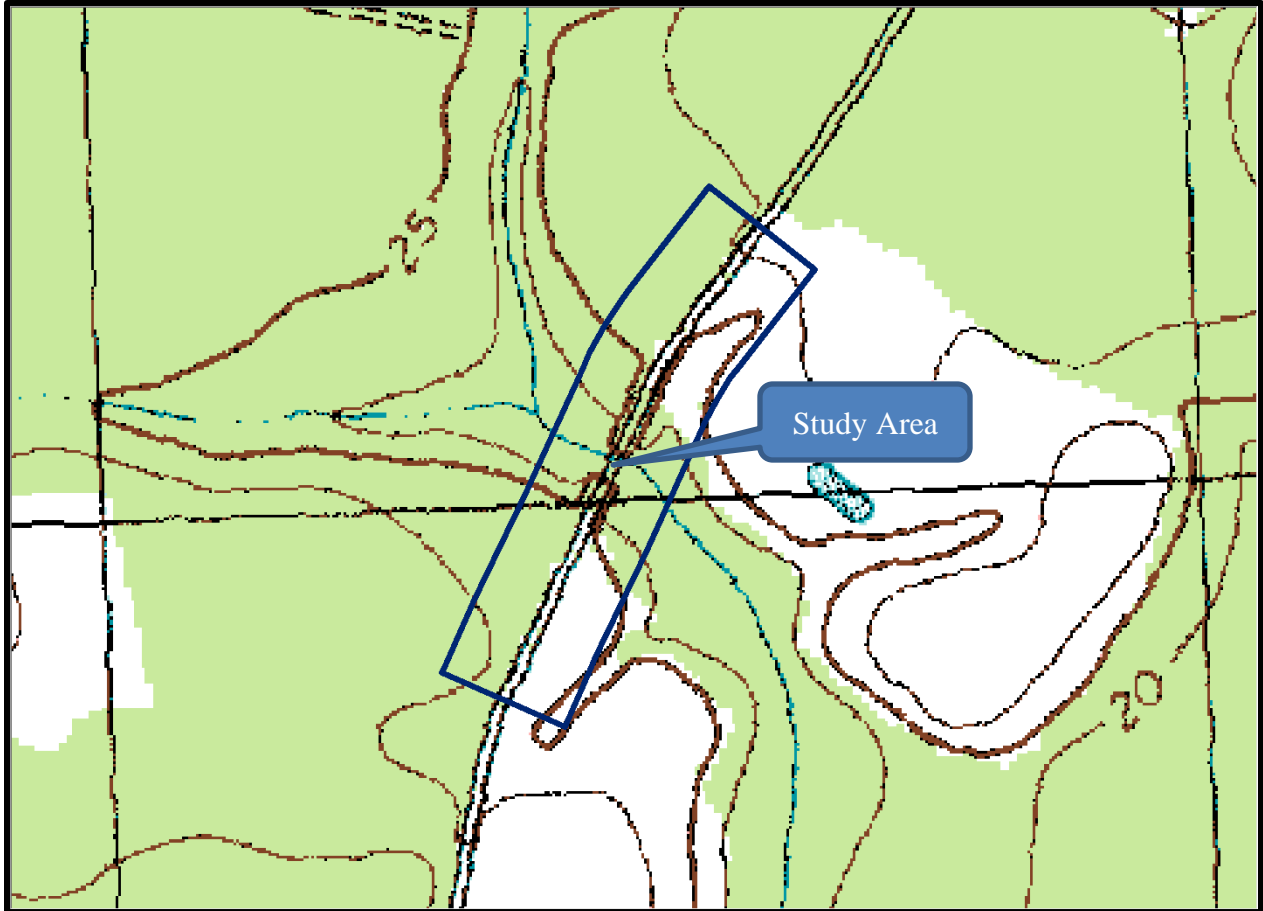
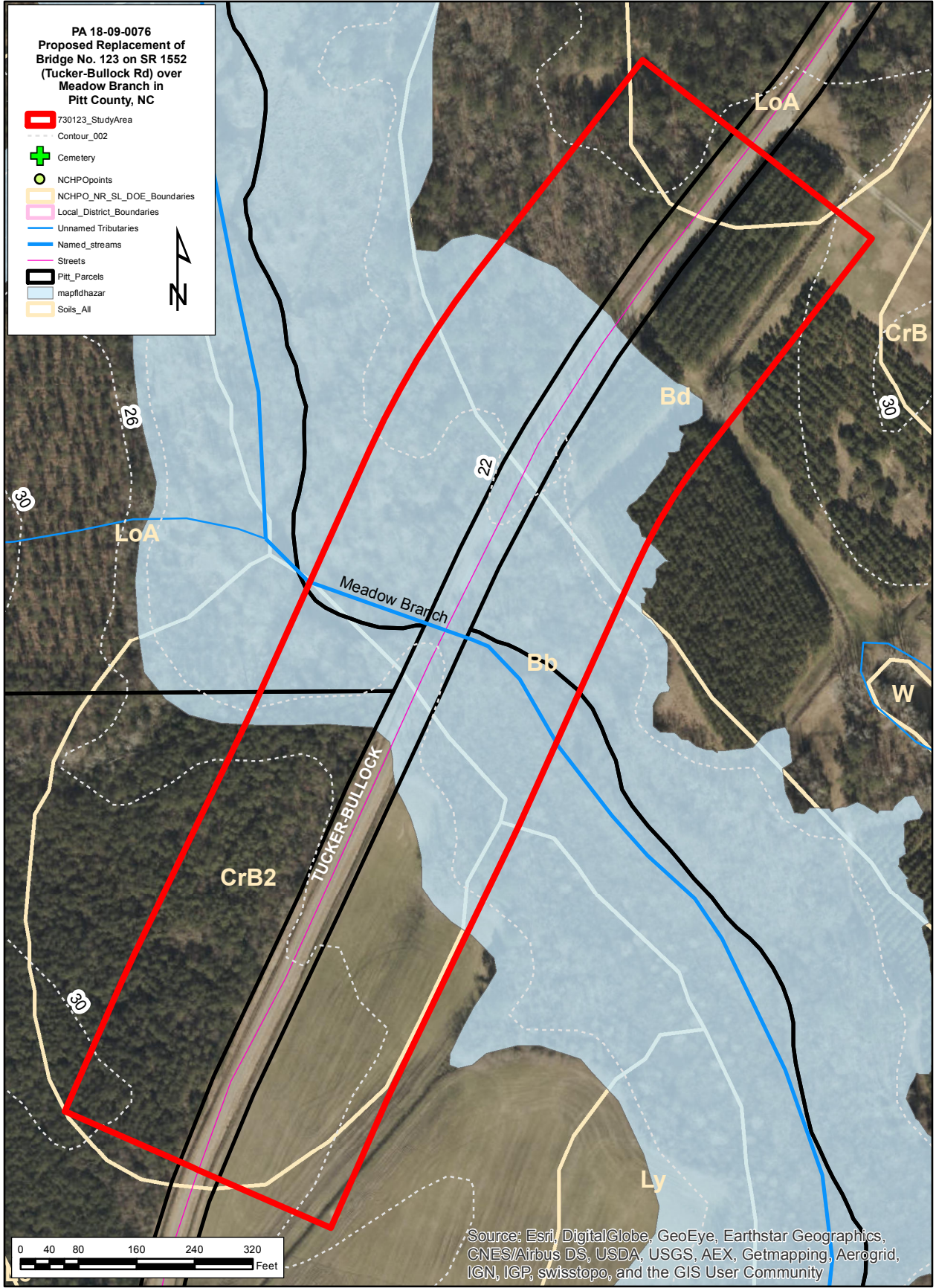


Figure 1: Leggetts Crossroads, NC (USGS 1979).

**PA 18-09-0076  
Proposed Replacement of  
Bridge No. 123 on SR 1552  
(Tucker-Bullock Rd) over  
Meadow Branch in  
Pitt County, NC**

- ▭ 730123\_StudyArea
- Contour\_002
- + Cemetery
- NCHPOpoints
- ▭ NCHPO\_NR\_SL\_DOE\_Boundaries
- ▭ Local\_District\_Boundaries
- Unnamed Tributaries
- Named\_streams
- Streets
- ▭ Pitt\_Parcels
- ▭ mapfldhazar
- ▭ Soils\_All



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