

Type I and II Ground Disturbing Categorical Exclusion Action Classification Form

STIP Project No.	<u>B-6011</u>
WBS Element	<u>48209.1.1</u>
Federal Project No.	<u>BRZ-1781 (001)</u>

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

Bridge Replacement for Bridge 110145 over Bristol Creek on SR 1430 (Harland Road), Burke County, NC. The bridge will be replaced with a single span bridge.

- B. Description of Need and Purpose:

The project is needed to replace a structurally deficient bridge.

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

TYPE I

TYPE II

- 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).

The project will use an off-site detour 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	Does the project impact anadromous fish?	<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 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

8. The Northern Long-eared Bat (NLEB) is listed as a threatened species on the current U.S. Fish and Wildlife Service (USFWS) list of protected species in Burke County. However, the project study area is not located within a county or watershed known to contain NLEB hibernation or maternity roost sites. Therefore, the project has met the criteria required for the USFWS 4(d) Rule, and any associated take is exempt. Due to the exemption under the 4(d) ruling, it has been determined that the proposed project "May Affect, Not Likely to Adversely

Affect” the NLEB. The bridge was surveyed for bats on April 2, 2019 and no evidence of bats/usage were noted.

A survey for Dwarf-flowered heartleaf was conducted on April 2, 2019 and no plants or suitable habitat were present. Therefore, a determination of “No Effect” for the species was made.

H. Project Commitments

**Burke County
Bridge 110145
Federal Project No. BRZ-1781(001)
WBS No. 48209.1.1
TIP No. B-6011**

The project is not likely to affect any properties or archaeological sites listed or eligible for listing on the National Register of Historic Places. NCDOT will complete Section 106 Tribal consultation following completion of the design.

All activities will follow NCDOT best management practices for erosion control.

Categorical Exclusion Approval

STIP Project No. B-6011
WBS Element 48209.1.1
Federal Project No. BRZ-1781 (001)

Prepared By:

4/9/2019

Date

DocuSigned by:
Roger D. Bryan
33242C738EB8411...
Roger D. Bryan
Division Environmental Officer

Prepared For:

Division 13
North Carolina Department of Transportation

Reviewed By:

4/9/2019

Date

DocuSigned by:
M.K. Calloway
45D3FED3257B4CA...
M.K. Calloway
Division Bridge Program Manager



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.

4/10/2019

Date

DocuSigned by:
Steve Cannon
0FE6B6ABEE95408...
Steve Cannon, P.E.
Project Development Engineer

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

Date

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

18-12-0016



HISTORIC ARCHITECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED 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-6011	County:	Burke
WBS No.:	48206.1.1	Document Type:	CE
Fed. Aid No:	BRZ-1430(009)	Funding:	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
Federal Permit(s):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Permit Type(s):	
<u>Project Description:</u> Replace Bridge No. 145 over Bristol Creek on SR 1430 (Hartland Road).			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

- There are no National Register-listed or Study Listed properties within the project's area of potential effects.
- There are no properties less than fifty years old which are considered to meet Criteria Consideration G within the project's area of potential effects.
- There are no properties within the project's area of potential effects.
- There are properties over fifty years old within the area of potential effects, but they do not meet the criteria for listing on the National Register.
- There are no historic properties present or affected by this project. (Attach any notes or documents as needed.)

Date of field visit: February 5, 2019

Description of review activities, results, and conclusions:

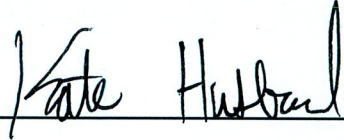
Review of HPO quad maps, HPO GIS information, historic designations roster, and indexes was undertaken on December 12, 2018. Based on this review, there are no existing NR, SL, LD, DE, or SS properties in the Area of Potential Effects, which is defined on the following maps. An undocumented property over fifty years of age is within the APE and will require a survey for historic architecture, which was performed February 5, 2019. Based on this field visit, there are no properties over fifty year of age that warrant further evaluation, and there are no National Register listed or eligible properties. Bridge No. 145 is not eligible for NR listing. If design plans change, additional review will be required.

SUPPORT DOCUMENTATION

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

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes – **NO HISTORIC PROPERTIES PRESENT OR AFFECTED**



NCDOT Architectural Historian

2/11/2019

Date



Project Location.



State Historic Preservation Office GIS.



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-6011 *County:* Burke
WBS No: 48206 *Document:* Federal Categorical Exclusion
Federal Aid No: BRZ-1430(009) *Funding:* State Federal
Federal Permit Required? Yes No *Permit Type:* USACE

Project Description:

Replace Bridge 145 on SR 1430 (Hartland Rd.) over Bristol Creek in Burke County. The Area of Potential Effects (A.P.E.) is approximately 113 meters (370 ft.) long and 30 meters (100 ft.) wide. Project is Federally-funded and will require Federal permits. Easements will be required.

SUMMARY OF CULTURAL RESOURCES REVIEW

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

The review included an examination of a topographic map, the Burke County web soil survey, an aerial photograph, and records about previously recorded sites, previous archaeological surveys, and previous environmental reviews at the North Carolina Office of State Archaeology (OSA) in Raleigh. The bridge is oriented approximately north-south.

The topographic map (Morganton North) shows the A.P.E. is located in a wide creek valley. The landforms in the A.P.E. appear to be mostly floodplain. (A contour line on the north side of the bridge is dotted, indicating the contour is "approximate or indefinite." The purpose of the dotted contour may be to show the difference in contour interval between the 1:24,000-scale Morganton North map [1956] and the 1:62,500-scale Lenoir map [1956].) A stream joins Bristol Creek a short distance east of the bridge. The floodplain is depicted as cleared in the northwest and northeast quadrants. The floodplain in the southwest and southeast quadrants is depicted as wooded. A road joins SR 1430 at the north end of the northwest quadrant. SR 1431 joins SR 1430 next to the bridge in the southwest quadrant.

The Burke County soil survey shows there are two soil types in the A.P.E., Arkaqua loam (0-2% slopes), occasionally flooded, and Fairview sandy clay loam (15-25% slopes), moderately eroded. The majority soil type is Arkaqua loam (97%). It is described as a somewhat poorly drained soil found on floodplains.

The aerial photograph shows the A.P.E. is cleared in the northwest and northeast quadrants. There are driveways at the north ends of both quadrants. The southwest and southeast quadrants are wooded. The land in the southeast quadrant appears to be a narrow strip between SR 1430 and the creek.

There are no previously recorded archaeological sites within or adjacent to the A.P.E. The A.P.E. is not within any areas that have been previously surveyed for archaeological sites. The A.P.E. is not within any projects that have been reviewed by the State Historic Preservation Office (HPO).

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

The landforms within the A.P.E. have a low to moderate potential for archaeological sites. The floodplain landforms have poorly-drained soil.

SUPPORT DOCUMENTATION

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

FINDING BY NCDOT ARCHAEOLOGIST

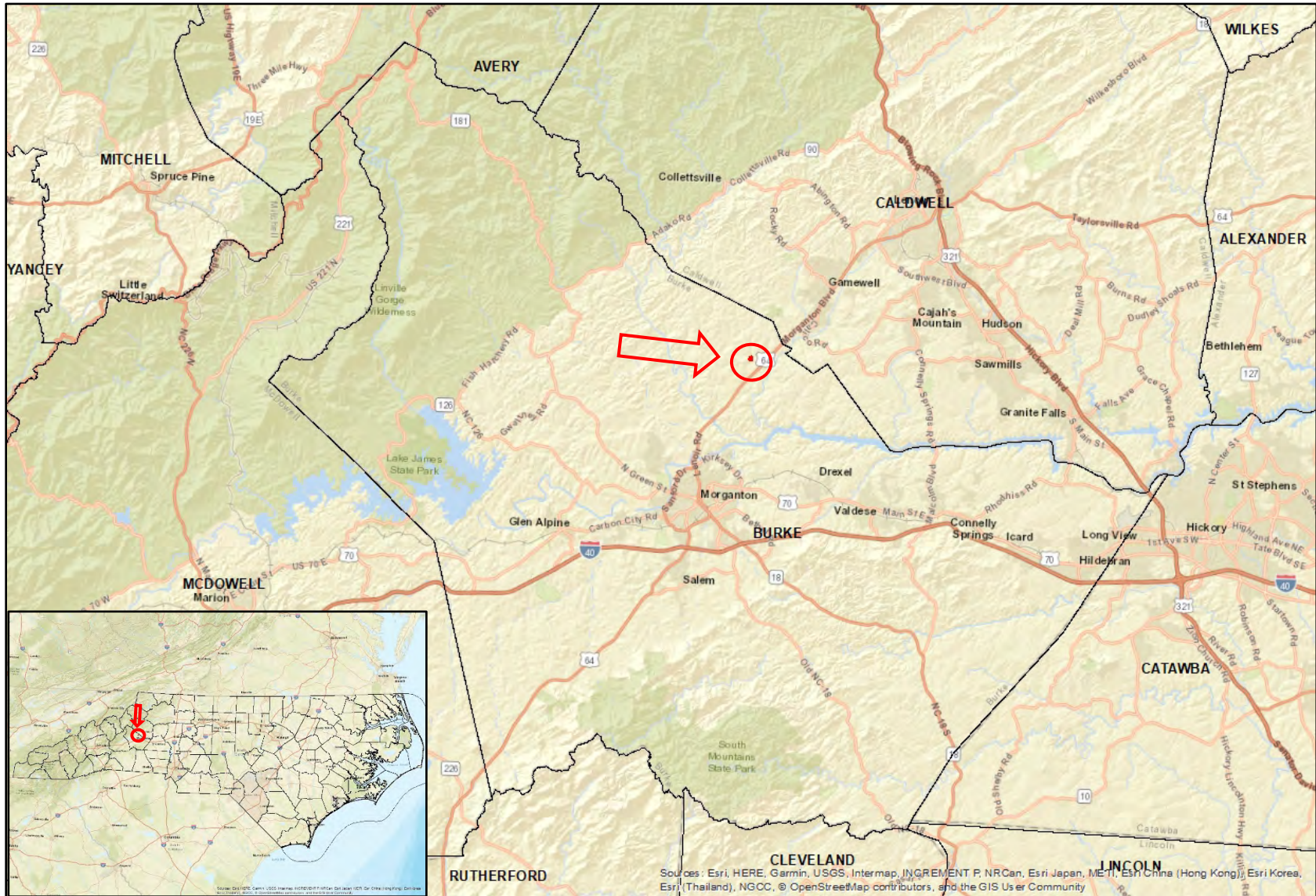
NO ARCHAEOLOGY SURVEY REQUIRED

Caleb Smith

3/5/2019

NCDOT ARCHAEOLOGIST II

Date



"No ARCHAEOLOGY SURVEY REQUIRED" form for Minor Transportation Projects as Qualified in the 2015 Programmatic Agreement.

