

**North Carolina Department of Transportation**  
**PROJECT ENVIRONMENTAL CONSULTATION FORM**  
**I. D. No. B-5124**

I. GENERAL INFORMATION

- a. Consultation Phase: Construction Consultation
- b. Project Description: Replacement of Bridge Nos. 85, 141, 151  
And Culvert No. C70 on US 301 over Swift Creek  
And Culvert No. C161 on US 301 over Lane  
Swamp in Nash County
- c. WBS Project No.: 42270.1.1  
Federal Project: BRSTP-0301(25)
- d. Document Type: Categorical Exclusion 12/20/13  
Date

CONCLUSIONS

The above environmental document has been reevaluated as required by 23 CFR 771. It was determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted below in Section III. 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.

II. CHANGES IN PROPOSED ACTION AND ENVIRONMENTAL CONSEQUENCES

There is no change to the original proposed design.

CULTURAL RESOURCES

This project was screened for Historic Architecture and Archaeological Resources (see attached forms). No surveys are required for Bridge Nos. 85, 141, 151 and Culvert Nos. C70 and C161.

## WATER RESOURCES

Water resource classifications have not changed since the CE was completed. The Water Quality best usage classification for Swift Creek, UT's to Swift Creek and Lane Swamp, remains C; NSW.

## PROTECTED SPECIES

As of December 27, 2012, the U.S. Fish and Wildlife Service (USFWS) list three federally protected species for Nash County. No species have been added to the list for this county since the last document. No biological conclusions have changed since the CE.

### Federally protected species listed for Nash County

Common Name	Scientific Name	Federal Status	Habitat	Biological Conclusion
Red-cockaded woodpecker	<i>Picoides borealis</i>	E	No	No Effect
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	E	No	MA-NLAA
Tar River spinymussel	<i>Elliptio steinstansana</i>	E	No	MA-NLAA

E - Endangered

MA-NLAA – May Affect-Not Likely to Adversely Affect

### *Dwarf wedgemussel and Tar River spinymussel*

Mussel surveys were conducted on May 6, 2009 and August 24, 2011 by NCDOT biologists. During the survey, no mussels or mollusks of any kind were encountered. The dwarf wedgemussel and Tar River spinymussel appear to be limited to creeks and rivers having moving, well-oxygenated water with gravel or sandy, silt-free substrate. Due to little water movement and the presence of large amounts of decaying organic material, this reach of Swift Creek is likely to have low dissolved oxygen and low pH, making it unstable for these species. Subsequent surveys were performed for Lane Swamp and Ut crossings. No suitable habitat for either species was found in these surveys. Because dwarf wedgemussel and Tar River spinymussel have been found in the Swift Creek watershed, their presence in the project area cannot be entirely ruled out. Therefore, the biological conclusion for the dwarf wedgemussel and Tar River spinymussel is “May Affect- Not Likely to Adversely Affect”. Concurrence was issued September 3, 2010 by the USFWS for Swift Creek.

III. LIST OF ENVIRONMENTAL COMMITMENTS

NCDOT will implement all practical measures and procedures to minimize and avoid environmental impacts. Please see attached green sheet.

IV. COORDINATION

Roadway Design Project Engineer: Han Nguyen 12/5/14  
Date

NES-Project Manager: John Merritt 1/15/15  
Date

VI. NCDOT CONCURRENCE

April Annis  
Project Planning Engineer  
Project Development & Environmental Analysis Unit

1/22/15  
Date

Robert P. Hann  
Eastern Project Development Section Head  
Project Development & Environmental Analysis Unit

1/22/15  
Date

VII. FHWA CONCURRENCE

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

\_\_\_\_\_  
Date

## PROJECT COMMITMENTS:

**Nash County**  
**Bridge Nos. 85, 141, 151 and Culvert No. C70 on US 301 over Swift Creek and**  
**Culvert No. C161 on US 301 over Lane Swamp**  
**Federal Aid Project No. BRSTP-0301(25)**  
**W.B.S. No. 42270.1.1**  
**T.I.P. No. B-5124**

### **Division 4 Construction – Offsite Detour**

In order to have time to adequately reroute school busses, Nash County Schools will be contacted at (252) 459-5220 at least one month prior to road closure.

Nash County Emergency Services will be contacted at (252) 459-1352 at least one month prior to road closure to make the necessary temporary reassignments to primary response units.

### **Division 4 Construction – Construction Moratoria**

Swift Creek supports anadromous fish in the study area. A moratorium prohibiting in-water work will be in place from February 15 – June 15. This moratorium does not apply to Lane Swamp.

### **Hydraulics Unit – FEMA**

The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine status of project with regard to 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).

### **Division 4 Construction – 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.

### **Hydraulics Unit, Natural Environment Section – Buffer Rules**

The Tar-Pamlico Riparian Buffer Rules apply to this project.

### **Roadside Environmental Unit, Division Resident Engineer – Sensitive Watersheds**

Design standards for sensitive watersheds apply to this project.

14-12-0013



## 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

<b>Project No:</b>	B-5124	<b>County:</b>	Nash
<b>WBS No.:</b>	42270.1.1	<b>Document Type:</b>	CE
<b>Fed. Aid No:</b>	BRSTP-0301(25)	<b>Funding:</b>	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
<b>Federal Permit(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Permit Type(s):</b>	unknown
<b>Project Description:</b> Replace Culvert No C161 on US 301 over Lane Swamp.			

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPOWEB GIS Service website and the Nash County GIS website was undertaken on December 22, 2014. Based on this review there are no resources over the age of fifty years in the Area of Potential Effects (APE) of this project. No survey is required.

**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:**

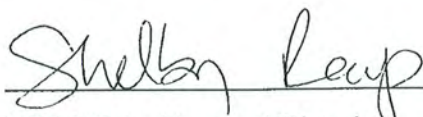
Using HPO GIS website and the Nash County GIS website provides reliable information regarding the structures in the APE. These utilities are considered valid for the purposes of determining the likelihood of historic resources being present.

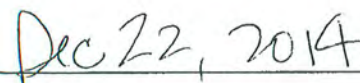
### SUPPORT DOCUMENTATION

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

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

  
NCDOT Architectural Historian

  
Date

14-12-0014



## 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

<b>Project No:</b>	B-5124	<b>County:</b>	Nash
<b>WBS No.:</b>	42270.1.1	<b>Document Type:</b>	CE
<b>Fed. Aid No:</b>		<b>Funding:</b>	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
<b>Federal Permit(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Permit Type(s):</b>	unknown
<b>Project Description:</b> Replace Bridge 151 on NC 301 over Swift Creek.			

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPOWEB GIS Service website was undertaken on December 18, 2014. Based on this review there are no resources in the Area of Potential Effects (APE) of this project. No survey is required.

**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:**

Using HPO GIS website provides reliable information regarding the structures in the APE. This utility is considered valid for the purposes of determining the likelihood of historic resources being present.

### SUPPORT DOCUMENTATION

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

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

*Shelby Reap*  
\_\_\_\_\_  
NCDOT Architectural Historian

*Dec. 19, 2014*  
\_\_\_\_\_  
Date

14-12-0015



## 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

<b>Project No:</b>	B-5124	<b>County:</b>	Nash
<b>WBS No.:</b>	42270.1.1	<b>Document Type:</b>	CE
<b>Fed. Aid No:</b>		<b>Funding:</b>	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
<b>Federal Permit(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Permit Type(s):</b>	unknown
<b>Project Description:</b> Replace Bridge 141 on NC 301 over Swift Creek.			

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPOWEB GIS Service website was undertaken on December 18, 2014. Based on this review there are no resources in the Area of Potential Effects (APE) of this project. No survey is required.

**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:**

Using HPO GIS website provides reliable information regarding the structures in the APE. This utility is considered valid for the purposes of determining the likelihood of historic resources being present.

### SUPPORT DOCUMENTATION

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

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

*Shelby Leap*  
\_\_\_\_\_  
NCDOT Architectural Historian

*Dec 18, 2014*  
\_\_\_\_\_  
Date

14-12-0016



## 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

<b>Project No:</b>	B-5124	<b>County:</b>	Nash
<b>WBS No.:</b>	42270.1.1	<b>Document Type:</b>	CE
<b>Fed. Aid No:</b>		<b>Funding:</b>	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
<b>Federal Permit(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Permit Type(s):</b>	unknown
<b>Project Description:</b> Replace Bridge 85 on NC 301 over Swift Creek.			

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPOWEB GIS Service website and the Nash County GIS website was undertaken on December 18, 2014. Based on this review there are no resources over the age of fifty years in the Area of Potential Effects (APE) of this project. There is a set of three large warehouse buildings however there are well outside the ape of this project. No survey is required.

**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:**

Using HPO GIS website and the Nash County GIS website provides reliable information regarding the structures in the APE. These utilities are considered valid for the purposes of determining the likelihood of historic resources being present.

### SUPPORT DOCUMENTATION

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

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

Shelby Reap  
NCDOT Architectural Historian

Dec. 18, 2014  
Date



14-12-0017



## 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

<b>Project No:</b>	B-5124	<b>County:</b>	Nash
<b>WBS No.:</b>	42270.1.1	<b>Document Type:</b>	CE
<b>Fed. Aid No:</b>	BRSTP-0301(25)	<b>Funding:</b>	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
<b>Federal Permit(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Permit Type(s):</b>	unknown
<b>Project Description:</b> Replace Culvert No C70 on NC 301 over Swift Creek.			

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPOWEB GIS Service website and the Nash County GIS website was undertaken on December 22, 2014. Based on this review there are no resources over the age of fifty years in the Area of Potential Effects (APE) of this project. There is a set of three large warehouse buildings however there are well outside the ape of this project. No survey is required.

**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:**

Using HPO GIS website and the Nash County GIS website provides reliable information regarding the structures in the APE. These utilities are considered valid for the purposes of determining the likelihood of historic resources being present.

### SUPPORT DOCUMENTATION

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

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

*Shelby Reap*  
NCDOT Architectural Historian

*Dec. 22, 2014*  
Date

14-12-0013

**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-5124** County: **Nash**  
 WBS No: **42270.1.1** Document: **CE**  
 F.A. No: Funding:  State  Federal

Federal Permit Required?  Yes  No Permit Type: **NWP 3 or NWP 14**

**Project Description:** This undertaking involves replacing Culvert No. C161, on existing location, with a new structure over Lane Swamp on US 301. For purposes of this review, the project's Area of Potential Effects includes 50 ft to either side of the bridge for a length of 600 ft centered on the culvert. An offsite detour, about ten miles, appears available. The entire APE is considered for archaeological assessment, including new ROW and TDE (temporary drainage easement) on the west side plus a reasonable construction easement. This is a federally permitted project, therefore Section 106 of the NHPA applies. [Also related to B-5124 are PAs 14-12-0014, 14-12-0015 and 14-12-0016]

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

Aerial mapping and topography of this rural highway location was examined. Records at the Office of State Archaeology were consulted and USGS quadrangle mapping depicting previously reviewed areas and site locations was copied. A survey had been completed for the US 301 corridor (Barody, Padgett, Church 1981). Two previously documented archaeological sites, 31 NS42 and 31Ns46, were noted in the nearby vicinity on OSA archaeological mapping and in the 1981 report on the east of the project. Both low density Native American Woodland sites were considered not or not likely considered eligible for listing on the NRHP, and neither resource appears within the limited project APE. ROW expansions and associated fill is proposed on the west of US 301 here, and so these sites are likely to be avoided. For this project, much of the APE has been modified by the existing roadway and culvert construction or is otherwise in a low, swampy area. Expectations that an intact or otherwise significant archaeological resource might be impacted are low for this replace in place project. With such a small footprint at the margins of an existing, improved roadway, locations such as this are often unlikely to impact intact archaeological sites. Expectations that an intact or otherwise significant archaeological site is present and might be impacted are low for this bridge replacement project.

***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 culvert replacement projects seeks to construct a new structure at the existing location. The road and bridge location and natural soils have already been disturbed by the construction of the existing culvert and US 301. There are no known sites recorded within the APE. The project includes low, wet terrain, generally considered poor quality for habitation. For these reasons on a small project, the likelihood that significant, intact archaeological sites are present and would be affected by the undertaking are low. During replacement of the existing bridge, a detour is available. The majority of the APE has been modified, disturbing any intact archaeological context by the existing bridge. For this project, no further archaeological work is warranted.

**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 II

December 29, 2014

Date

14-12-0014



## 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-5124** County: **Nash**  
 WBS No: **42270.1.1** Document: **CE**  
 F.A. No: Funding:  State  Federal

Federal Permit Required?  Yes  No Permit Type: **NWP 3 or NWP 14**

**Project Description:** This undertaking involves replacing Bridge No. 151, on existing location, with a new structure over Swift Creek on US 301. For purposes of this review, the project's Area of Potential Effects includes 50 ft to either side of the bridge for a length of 1000 ft centered on the bridge. An offsite detour, about ten miles, appears available. The entire APE is considered for archaeological assessment, including new ROW and a fifteen foot easement on the west side plus a reasonable, limited construction buffer. A small amount of new ROW is required just east of the bridge. This is a federally permitted project, therefore Section 106 of the NHPA applies. This project was previously reviewed under PA # 10-02-0002, when a "no survey required form" for archeology was issued on 6/12/2010. [Also related to B-5124 are PAs 14-12-0013, 14-12-0015 and 14-12-0016]

### SUMMARY OF CULTURAL RESOURCES REVIEW

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

Aerial mapping and topography of this rural highway location was examined. Records at the Office of State Archaeology were consulted and USGS quadrangle mapping depicting previously reviewed areas and site locations was copied. A survey had been completed for the US 301 corridor (Baroody, Padgett, Church 1981). One previously documented archaeological site, 31NS41, was documented on the adjacent hill, northwest of Bridge No. 151. The largest of the Native American sites recorded during the 1981 archaeological survey, about sixty artifacts were noted including lithic debitage, flake tools and NA ceramics. This Native American Woodland site was recommended not eligible for listing on the NRHP. Being on the west side of the project where ROW expansion is proposed, the project may potentially affect outlying remains, though the site is described as being generally further away on the downslope northwest of the bridge replacement construction. For this project, much of the APE has been modified by the existing roadway and bridge construction or is otherwise in a low, swampy area. A previous intensive survey was completed along the US 301 corridor by NCDOT in 1981 and recommended no further archaeological work for one site identified nearby the bridge replacement (31NS41). Expectations that an intact or otherwise significant archaeological resource might be impacted are low for this replace in place project.

**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 bridge (Bridge No 151) replacement projects seeks to construct a new structure at the existing location. The road and bridge location and natural soils have already been disturbed by the construction of the existing bridge and US 301. One site is recorded near the APE to the northwest which was considered not eligible for the NRHP. The project traverses a rise overlooking a swampy creek, and a previous study located a Native American site at this higher probability landform. The remaining low area, considered poor quality for habitation, is unlikely to contain archaeological sites. For these reasons on a small project, the likelihood that significant, intact archaeological sites are present and would be

**14-12-0014**

affected by the undertaking are low. During replacement of the existing bridge, a detour is available. The majority of the APE has been modified, disturbing any intact archaeological context by the existing bridge. For this project, no further archaeological work is warranted.



**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 II

December 31, 2014

Date

14-12-0015

**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-5124**County: **Nash**WBS No: **42270.1.1**Document: **CE**

F.A. No:

Funding:  State  Federal

Federal Permit Required?

 Yes NoPermit Type: **NWP 3 or NWP 14**

**Project Description:** This undertaking involves replacing Bridge No. 141, on existing location, with a new structure over Swift Creek on US 301. For purposes of this review, the project's Area of Potential Effects includes 60 ft to either side of the bridge for a length of 1600 ft centered on the bridge. An offsite detour, about ten miles, appears available. The entire APE is considered for archaeological assessment, including new ROW on the west side plus a reasonable, limited construction buffer. This is a federally permitted project, therefore Section 106 of the NHPA applies. This project was previously reviewed under PA # 10-02-0002, when a "no survey required form" for archeology was issued on 6/12/2010. [Also related to B-5124 are PAs 14-12-0013, 14-12-0014, 14-12-0016 and 14-12-0017]

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

Aerial mapping and topography of this rural highway location was examined. Records at the Office of State Archaeology were consulted and USGS quadrangle mapping depicting previously reviewed areas and site locations was copied. A survey had been completed for the US 301 corridor (Baroody, Padgett, Church 1981). While several sites were located in the vicinity of this bridge along the US 301 corridor, no archaeological sites were identified close to this bridge and no further archaeological work was recommended. For this project, much of the APE has been modified by the existing roadway and bridge construction or is otherwise in a low, swampy area. Expectations that an intact or otherwise significant archaeological resource might be impacted are low for this replace in place project.

***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 bridge (Bridge No 141) replacement projects seeks to construct a new structure at the existing location. The road and bridge location and natural soils have already been disturbed by the construction of the existing bridge and US 301. The project traverses the swamp surrounding Swift Creek, a low and wet area considered poor quality for habitation, and is unlikely to contain archaeological sites. For these reasons on a small project, the likelihood that significant, intact archaeological sites are present and would be affected by the undertaking are low. During replacement of the existing bridge, a detour is available so no extra APE is required for an on-site temporary detour. The majority of the APE has been modified, disturbing any intact archaeological context by the existing bridge. For this project, no further archaeological work is warranted.

**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 II

January 2, 2014

Date

14-12-0016



## 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-5124** County: **Nash**  
 WBS No: **42270.1.1** Document: **CE**  
 F.A. No: Funding:  State  Federal

Federal Permit Required?  Yes  No Permit Type: **NWP 3 or NWP 14**

**Project Description:** This undertaking involves replacing Bridge No. 85, on existing location, with a new structure over Swift Creek on US 301. For purposes of this review, the project's Area of Potential Effects includes 60 ft to either side of the bridge for a length of 1200 ft centered on the bridge. An offsite detour, about ten miles, appears available. The entire APE is considered for archaeological assessment, including new ROW on the west side plus a reasonable, limited construction buffer. This is a federally permitted project, therefore Section 106 of the NHPA applies. [Also related to B-5124 are PAs 14-12-0013, 14-12-0014, 14-12-0015 and 14-12-0017]

### SUMMARY OF CULTURAL RESOURCES REVIEW

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

Aerial mapping and topography of this rural highway location was examined. Records at the Office of State Archaeology were consulted and USGS quadrangle mapping depicting previously reviewed areas and site locations was copied. A survey had been completed for the US 301 corridor (Baroody, Padgett, Church 1981). While several sites were located in the vicinity of this bridge along the US 301 corridor, no archaeological sites were identified close to this bridge and no further archaeological work was recommended. For this project, much of the APE has been modified by the existing roadway and bridge construction or is otherwise in a low, swampy area. Expectations that an intact or otherwise significant archaeological resource might be impacted are low for this replace in place project.

***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 bridge (Bridge No 141) replacement projects seeks to construct a new structure at the existing location. The road and bridge location and natural soils have already been disturbed by the construction of the existing bridge and US 301. The project traverses the swamp surrounding Swift Creek, a low and wet area considered poor quality for habitation, and is unlikely to contain archaeological sites. For these reasons on a small project, the likelihood that significant, intact archaeological sites are present and would be affected by the undertaking are low. During replacement of the existing bridge, a detour is available so no extra APE is required for an on-site temporary detour. The majority of the APE has been modified, disturbing any intact archaeological context by the existing bridge. For this project, no further archaeological work is warranted.



**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 II

January 2, 2014

Date

14-12-0017



## 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-5124** County: **Nash**  
 WBS No: **42270.1.1** Document: **CE**  
 F.A. No: Funding:  State  Federal

Federal Permit Required?  Yes  No Permit Type: **NWP 3 or NWP 14**

**Project Description:** This undertaking involves replacing Culvert No. C70, on existing location, with a new structure over Swift Creek on US 301. For purposes of this review, the project's Area of Potential Effects includes 60 ft to either side of the bridge for a length of 1200 ft centered on the bridge. An offsite detour, about ten miles, appears available. The entire APE is considered for archaeological assessment, including new ROW on the west side plus a reasonable, limited construction buffer. This is a federally permitted project, therefore Section 106 of the NHPA applies. [Also related to B-5124 are PAs 14-12-0013, 14-12-0014, 14-12-0015 and 14-12-0016]]

### SUMMARY OF CULTURAL RESOURCES REVIEW

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

Aerial mapping and topography of this rural highway location was examined. Records at the Office of State Archaeology were consulted and USGS quadrangle mapping depicting previously reviewed areas and site locations was copied. A survey had been completed for the US 301 corridor (Baroody, Padgett, Church 1981). While several sites were located in the vicinity of this bridge along the US 301 corridor, no archaeological sites were identified close to this bridge and no further archaeological work was recommended. Two isolated lithic flakes were noted further south at separate locations near the swamp's margin, outside of the the APE. For this project, much of the APE has been modified by the existing roadway and bridge construction or is otherwise in a low, swampy area. Expectations that an intact or otherwise significant archaeological resource might be impacted are low for this replace in place project.

**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 culvert (No C70) replacement projects seeks to construct a new structure at the existing location. The road and natural soils have already been disturbed by the construction of the existing culvert and US 301. The project traverses the swamp surrounding Swift Creek, a low and wet area considered poor quality for habitation, and is unlikely to contain archaeological sites. For these reasons on a small project, the likelihood that significant, intact archaeological sites are present and would be affected by the undertaking are low. During replacement of the existing bridge, a detour is available so no extra APE is required for an on-site temporary detour. The majority of the APE has been modified, disturbing any intact archaeological context by the existing facility. For this project, no further archaeological work is warranted.

**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 II

January 2, 2014

Date