

MINIMUM CRITERIA DETERMINATION CHECKLIST

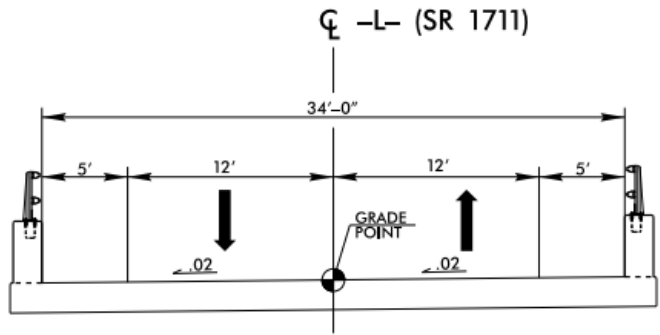
The following questions provide direction in determining when the Department is required to prepare environmental documents for state-funded construction and maintenance activities. Answer questions for Parts A through C by checking either “Yes” or “No”. Complete Part D of the checklist when Minimum Criteria Rule categories #8, 12(i) or #15 are used.

TIP Project No.: **BR-0051**

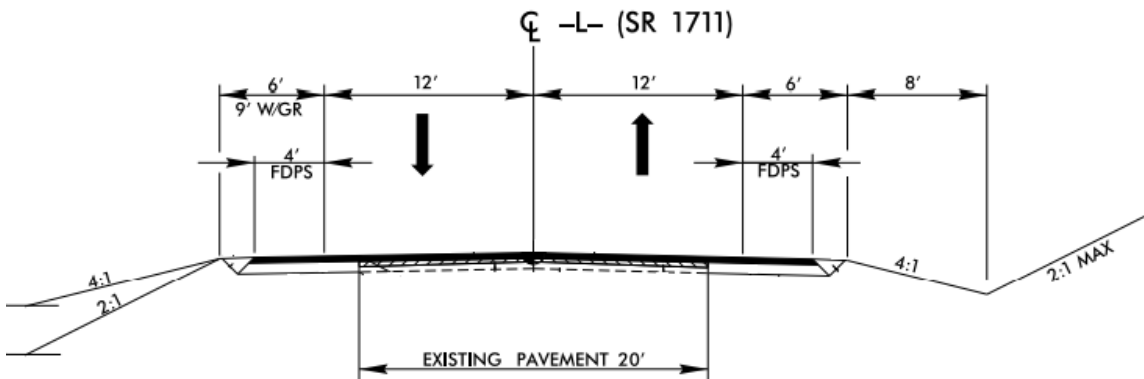
State Project No.: **67051.1.1**

Project Location: **Yadkin County, North Carolina (see attached vicinity map)**

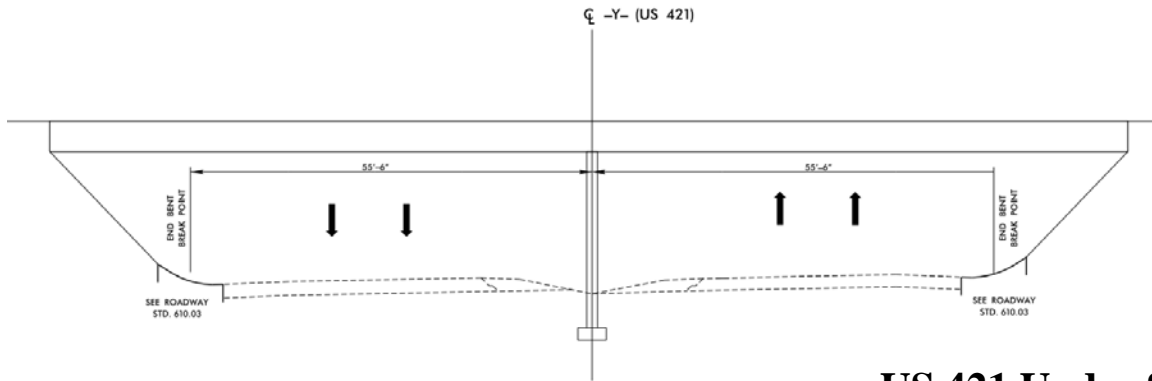
Project Description: Replace Yadkin County Bridge No. 90 on SR 1711 (Speer Bridge Road) over US 421. The new bridge will be placed on the existing location while traffic is detoured offsite during construction. No work will occur on US 421. The typical sections for the bridge, approaches and US 421 underneath are as follows:



Bridge Typical



Approach Typical



US 421 Under Structure

Anticipated Permit or Consultation Requirements: No Permits are anticipated.

Special Project Information:

Public Involvement

A Land Owner Notification Letter was sent to all property holders within the study area. No comment has been received to date and no further public involvement is anticipated prior to right of way acquisition.

Offsite Detour

The four ramps will be left open for the majority of construction, but the bridge crossing will be closed as the old bridge is removed and the new constructed. Traffic will be detoured offsite during periods of closure. The detour route will depend on the origin and destination.

When the bridge is closed but the ramps are open, north bound through traffic would be detoured via the eastbound on ramp to Dinkins Bottom Road/US 421 Interchange and back again resulting in 3 additional miles travel. Similarly, southbound through traffic would be detoured to the Old Stage Road/US 421 Interchange and back again resulting in 4.4 additional miles of travel.

When ramps are closed, US 421 traffic will access at either the Dinkins Bottom Road/US 421 interchange 1.5 miles to the east or the Old Stage Rd/US421 Interchange 2.2 miles to the west.

When both bridge and ramps are closed, US 421 traffic will have access via either of the previously referenced interchanges. Through traffic on the bridges would be detoured around via Courtney-Huntsville, to Shallowford Road, to Dinkins Bottom Road Rd, to Old US 421 for a total of 8.5 miles additional travel.

PART A: MINIMUM CRITERIA

Item 1 to be completed by the Engineer.

- 1. Is the proposed project listed as a type and class of activity allowed under the Minimum Criteria Rule in which environmental documentation is not required?

YES

NO

If the answer to number 1 is “no”, then the project does not qualify as a minimum criteria project. A state environmental assessment is required.

If yes, under which category?

(26) Implementation of any project which qualifies as a "categorical exclusion" under the National Environmental Policy Act by one of the Agencies of the U.S. Department of Transportation

If either category #8, #12(i) or #15 is used complete Part D of this checklist.

PART B: MINIMUM CRITERIA EXCEPTIONS

Items 2 – 4 to be completed by the Engineer.

- 2. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts? *The proposed project will only replace the function of the existing bridge.*
- 3. Will the proposed activity have secondary impacts or cumulative impacts that may result in a significant adverse impact to human health or the environment? *The proposed project will only replace the function of the existing bridge.*
- 4. Is the proposed activity of such an unusual nature or does the proposed activity have such widespread implications, that an uncommon concern for its environmental effects has been expressed to the Department? *No concerns have been expressed.*

YES

NO

Item 5-8 to be completed by Division Environmental Officer.

- 5. Does the proposed activity have a significant adverse effect on wetlands; surface waters such as rivers, streams, and estuaries; parklands; prime or unique agricultural lands; or areas of recognized scenic, recreational, archaeological, or historical value? *No. Source: NRTR and CIA in file and cultural resources screenings attached.*
- 6. Will the proposed activity endanger the existence of a species on the Department of Interior's threatened and endangered species list? *Source: See NRTR and explanation in Question 9 below*

7. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse water quality or ground water impacts?
The proposed project will only replace the function of the existing bridge.
8. Is the proposed activity expected to have a significant adverse effect on long-term recreational benefits or shellfish, finfish, wildlife, or their natural habitats.
The impacts of the project will be very limited both during and after construction.

If any questions 2 through 8 are answered “yes”, the proposed project may not qualify as a Minimum Criteria project. A state environmental assessment (EA) may be required. For assistance, contact:

Manager, Environmental Analysis Unit
 1598 Mail Service Center
 Raleigh, NC 27699-1598
 (919) 707 – 6000
 Fax: (919) 212-5785

PART C: COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

- Items 9- 12 to be completed by Division Environmental Officer.*** **YES** **NO**
9. Is a federally protected threatened or endangered species, or its habitat, likely to be impacted by the proposed action?
The Northern Long eared bat is currently unresolved but with the anticipated outcome of either “No Effect” or “May Affect, Not Likely to Adversely Affect”.
The issue will be resolved and addressed prior to receiving a permit.
10. Does the action require the placement of temporary or permanent fill in waters of the United States?
11. Does the project require the placement of a significant amount of fill in high quality or relatively rare wetland ecosystems, such as mountain bogs or pine savannahs?
Source: NRTR
12. Is the proposed action located in an Area of Environmental Concern, as defined in the coastal Area Management Act?
Source: Not in the 20 CAMA counties
- Items 13 – 15 to be completed by the Engineer.*** **YES** **NO**
13. Does the project require stream relocation or channel changes?
No streams are present in project footprint.

Cultural Resources

14. Will the project have an “effect” on a property or site listed on the National Register of Historic Places?
[See attached Section 106 forms](#)
15. Will the proposed action require acquisition of additional right of way from publicly owned parkland or recreational areas?
[No right of way is required for this project.](#)

Questions in Part “C” are designed to assist the Engineer and the Division Environmental Officer in determining whether a permit or consultation with a state or federal resource agency may be required. If any questions in Part “C” are answered “yes”, follow the appropriate permitting procedures prior to beginning project construction.

PROJECT COMMITMENTS:

T.I.P. No. BR-0051

There are no special commitments for this project through the development of the State Minimum Criteria Checklist.



SHACKTOWN

Shacktown Road

Shacktown Road

Old Stage Road

Watkins Road

Speer Bridge Road

421

Dinkins Bottom Road

Tabernacle United Church of Christ

Courtney Huntville Road

Huntsville Road

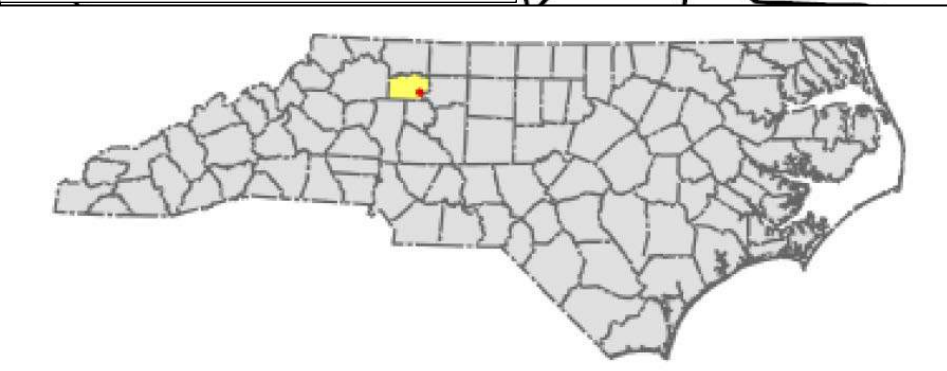
YADKIN COUNTY
FORSYTH COUNTY

Courtney

HUNTSVILLE

Farmington Road

Possible Detours



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION 11

BR-0051
Replace Yadkin Co. Bridge No. 90
On SR 1711 (Speer Bridge Rd) over US 421

Vicinity Map

Figure 1



STUDY AREA

421

SB

SA

SB

SC

SA

SPEER BRIDGE RD

0 200 400 feet

	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 11
	BR-0051 Replace Yadkin Co. Bridge No. 90 On SR 1711 (Speer Bridge Rd) over US 421 Yadkin County
Proposed Design on Aerial	
Figure 2	

17-12-0010



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:	BR-0051	County:	Yadkin
WBS No.:	67051.1.1	Document Type:	MCC
Fed. Aid No:	N/A	Funding:	<input checked="" type="checkbox"/> State <input type="checkbox"/> Federal
Federal Permit(s):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Permit Type(s):	USACE
Project Description: Replace Bridge No. 980090 over US 421 on SR 1711 (Speer Bridge Road)			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

Description of review activities, results, and conclusions:

Review of HPO quad maps, HPO GIS information, historic designations roster, and indexes was undertaken on December 18, 2017. Based on this review, there are no existing NR, SL, LD, DE, or SS properties in the Area of Potential Effects, which is 300' from each end of the bridge and 150' from the centerline each way. There are no properties over fifty years of age within the APE. Bridge No. 90 is not eligible for NR listing based on the NCDOT Historic Bridge Inventory. There are no National Register listed or eligible properties and no survey is required. If design plans change, additional review will be 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:

HPO quad maps and GIS information recording NR, SL, LD, DE, and SS properties for the Yadkin County survey, Yadkin County GIS/Tax information, and Google Maps are considered valid for the purposes of determining the likelihood of historic resources being present. There are no National Register listed or eligible properties within the APE and no survey is required.

SUPPORT DOCUMENTATION

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

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

Kate Hubbs

NCDOT Architectural Historian

12/18/2017

Date



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-0051 *County:* Yadkin
WBS No: 67051.1.1 *Document:* State Minimum Criteria Checklist
Federal Aid No: *Funding:* State Federal
Federal Permit Required? Yes No *Permit Type:* USACE

Project Description:

Replace Bridge 90 on SR 1711 over US 421 in Yadkin County. Area of Potential Effects (A.P.E.) is approximately 845 meters (2,773 ft.) long and 222 meters (729 ft.) wide at its widest. No design plans were provided. The project is State-funded, and Federal permits will be required. No 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, an aerial photograph, and listings of previously recorded sites, previous archaeological surveys, and previous environmental reviews at the Office of State Archaeology (O.S.A.). SR 1711 is oriented north-south, and US 421 is oriented east-west.

The topographic map (Farmington, N.C.) shows the A.P.E. is located on a series of ridge toes overlooking the Deep River. The A.P.E. includes the existing US 421, SR 1711 overpass, and entrance and exit ramps, so it is hard to tell what the original landforms were. The A.P.E. appears to be located on two moderately-sloped ridge toes. This landform has a low to moderate potential for archaeological sites.

The aerial photograph shows the A.P.E. is wooded along the SR 1711 and US 421 roadsides. The A.P.E. is cleared within the entrance and exit ramps.

A review of information at the O.S.A. shows there are no previously recorded archaeological sites within or near the A.P.E. The A.P.E. is not within any areas that have been 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 A.P.E. includes existing roads, overpass, and exit and entrance ramps and appears to be mostly

disturbed by road construction and maintenance.

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

1/17/2018

NCDOT ARCHAEOLOGIST II

Date