

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.: B-5389 (Replace Bridge 105 on US 421 over Yadkin River overflow channel)

State Project No.: 46104.1.1

Project Location: Bridge No. 105 on the US 421 northbound lanes over the Yadkin River overflow channel in unincorporated Yadkin County, in NCDOT Division 11.

Project Description: The proposed project will replace the existing two-lane bridge (Bridge No. 105) with another two-lane bridge in the same location. The proposed replacement structure will be a multi-span structure that is approximately 0.087 mile (455 feet) in length, with a 38-foot wide clear deck width. The project’s total length is 0.343 mile (1,812 feet). The existing northbound lane bridge will be replaced with a new structure at the existing location. Traffic on the northbound lanes will be maintained during construction with an on-site detour located north of the existing bridge location. The project is included in the 2018-2027 North Carolina Department of Transportation (NCDOT) State Transportation Improvement Program (STIP). Refer to Figure 1 (Vicinity Map).

Anticipated Permit or Consultation Requirements: A Nationwide Permit will likely be required for impacts to “Waters of the United States” resulting from this project. A NC Division of Water Resources Section 401 Water Quality General Certification may be required prior to the issuance of a Section 404 Permit. The US Army Corps of Engineers holds the final discretion as to what permit will be required for the project. Because the project is within a 100-year floodplain, it is likely that a FEMA Floodplain Development Permit will be required.

Special Project Information:

Pedestrian and Bicycle Accommodations: Bridge No. 105 is not located on a currently designated bicycle or pedestrian route nor is there an indication of substantial bike or pedestrian usage. No special considerations for bicyclists or pedestrians are recommended. Neither permanent nor temporary bicycle or pedestrian accommodations are required for this project.

Environmental Commitments: The list of project commitments is located at the end of this checklist.

PART A: MINIMUM CRITERIA

- | <i>Item 1 to be completed by the Engineer</i> | YES | NO |
|--|-------------------------------------|--------------------------|
| 1. Is the proposed project listed as a type and class of activity allowed under the Minimum Criteria Rule in which environmental documentation is <u>not</u> required? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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? **Category 9**

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

PART B: MINIMUM CRITERIA EXEPTIONS

- | <i>Items 2 – 4 to be completed by the Engineer</i> | YES | NO |
|---|--------------------------|-------------------------------------|
| 2. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Items 5-8 to be completed by the 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Will the proposed activity endanger the existence of a species on the Department of Interior's threatened and endangered species list? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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:

Jaquelyn Bowles, PE, Project Manager
 1581 Mail Service Center
 Raleigh, NC 27699-1581
 Telephone: (919) 707-6559, Email: jkbowles@ncdot.gov

PART C: COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

- | | | YES | NO |
|---|--|-------------------------------------|-------------------------------------|
| <i>Items 9 – 12 to be completed by Division Environmental Officer</i> | | | |
| 9. | Is a federally protected threatened or endangered species, or its habitat, likely to be impacted by the proposed action? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. | Does the action require the placement of temporary or permanent fill in waters of the United States? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. | Is the proposed action located in an Area of Environmental Concern, as defined in the coastal Area Management Act? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Items 13 – 15 to be completed by the Engineer.

- | | | | |
|-----|--|--------------------------|-------------------------------------|
| 13. | Does the project require stream relocation or channel changes? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-----|--|--------------------------|-------------------------------------|

Cultural Resources

- | | | | |
|-----|---|--------------------------|-------------------------------------|
| 14. | Will the project have an “effect” on a property or site listed on the National Register of Historic Places? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. | Will the proposed action require acquisition of additional right of way from publicly owned parkland or recreational areas? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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.

Responses to Questions in Part C:

Response to Question 9: *While there is suitable habitat for the northern long-eared bat (NLEB), this species is consistent with the 4(d) rule. A memo documenting this was prepared by the NCDOT biologists in April 2017, and sent to the USFWS on September 19, 2017. No response was received within 30 days. Therefore, Section 7 of the Endangered Species Act has been satisfied.*

Response to Question 10: *The project area has 0.02 acres of wetland impacts, and will temporarily impact 208.21 linear feet of streams.*

PART D:(To be completed when either category #8, 12(i) or #15 of the rules are used.)

Items 16 - 22 to be completed by Division Environmental Officer.

- 16. Project length:
- 17. Right of Way width:
- 18. Project completion date:
- 19. Total acres of newly disturbed ground surface:
- 20. Total acres of wetland impacts:
- 21. Total linear feet of stream impacts:
- 22. Project purpose:

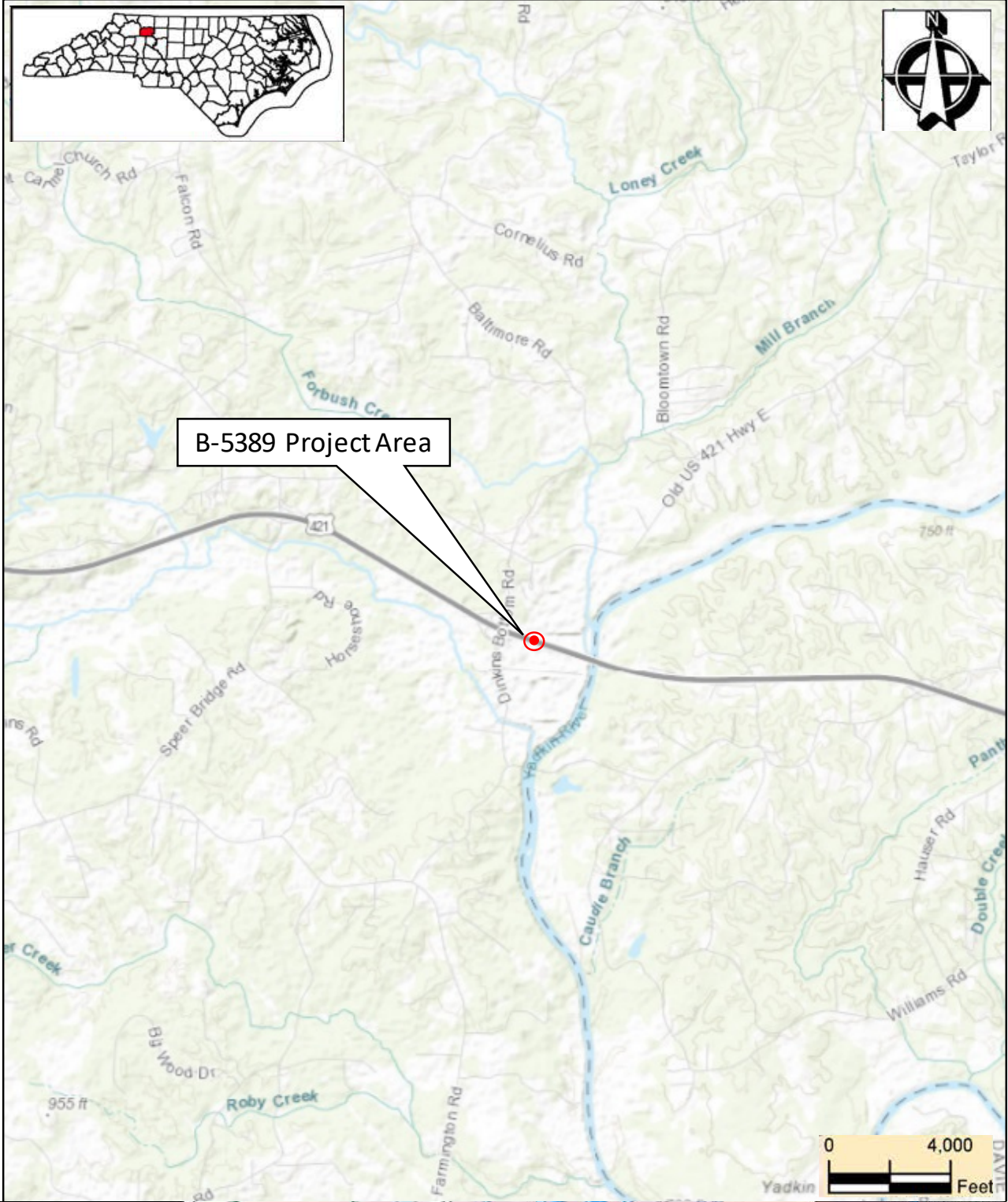
If Part D of the checklist is completed, send a copy of the entire checklist document to:

Don G. Lee
State Roadside Environmental Engineer
Mail Service Center 1557
Raleigh, NC 27699-1557
Telephone: (919) 733-2920
Fax: (919) 733-9810
Email: dlee@dot.state.nc.us

Reviewed by:

DocuSigned by:
Kevin Fischer
EP19A18D98EG496...
SMU Representative

Date: 4/18/2018



B-5389 Project Area



VICINITY MAP
Bridge No. 105 over Yadkin River Overflow
On US 421 Northbound Lanes

YADKIN COUNTY
 TIP PROJECT B-5389

County:	YADKIN
Div:	11
TIP#	B-5389
WBS:	46104.1.1
Date:	FEBRUARY 2015

Figure
1

Project Commitments

**Yadkin County
Bridge No. 105 on US 421 over Yadkin River
overflow channel
WBS No. 46104.1.1
TIP No. B-5389**

- Standard Environmental Commitments
 - All standard procedures will be implemented to avoid or minimize environmental impacts.
 - All practical Best Management Practices (BMPs) will be included and properly maintained during project construction.
 - NCDOT will implement Best Management Practices for Bridge Demolition and Removal.
- NCDOT Division 11 Construction
 - During construction, heavy equipment will not be operated in stream channels.
 - Siltation will be kept to a minimum by avoiding any unnecessary construction equipment traffic within the stream.
 - Sediment and erosion control measures will be employed.
 - Disturbed areas will be stabilized, primarily by reseeded.
- NCDOT Division 11/SMU/Hydraulics Unit
 - 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.
 - The Division/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).