

## Type I and II Ground Disturbing Categorical Exclusion Action Classification Form

STIP Project No.	B-5900
WBS Element	17BP.14.R.186
Federal Project No.	BRZ-1835(001)

**A. Project Description:**

Replace Bridge Number 382 on SR 1835 (Israel Road) over Dutch Cove Creek in Haywood County. The existing bridge is 26 feet long, with a deck width of 20 feet. The proposed replacement structure is a single 26'x7' bottomless concrete culvert with a deck width of 27 feet, which will accommodate two 10-ft lanes. The bridge will be replaced to the downstream side of the existing bridge, utilizing phased construction. See attached vicinity and study area maps.



Bridge Number 382

**B. Description of Need and Purpose:**

The purpose of the project is to address a structurally deficient 54-year-old bridge with a narrow deck and low posted weight limit. Bridge Number 382 has a sufficiency rating of 8.48 out of a possible 100 for a new structure.

The bridge is considered structurally deficient due to its structural evaluation and deck geometry being rated 3 out of 9, and superstructure and substructure conditions being rated 4 out of 9, based on Federal Highway Administration (FHWA) standards. The 20-foot-wide deck is substandard, and bridge beams and abutments have deteriorated significantly. Bridge Number 382 is approaching the end of its useful life.

**C. Categorical Exclusion Action Classification:**

TYPE I A

**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:**

**Alternatives Discussion:**

**No-Build:** The No-Build Alternative was not selected because it would have resulted in the closure of Bridge Number 382, which is unacceptable because there is no public road access east of the bridge.

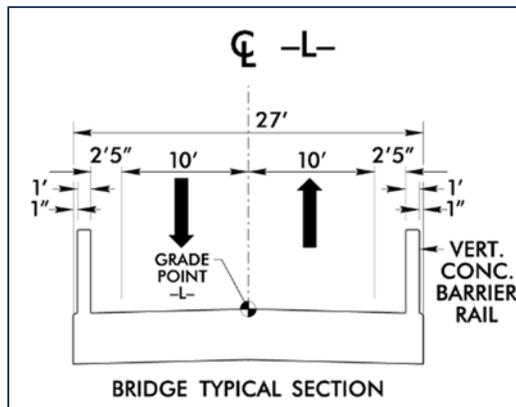
**Offsite Detour:** An offsite detour was not selected because there is no public road access east of the bridge.

**Phased Construction:** Because there is no public road access east of the bridge, the bridge will be replaced utilizing phased construction that maintains one lane of traffic during construction.

**Estimated Costs:**

Structure Costs	\$ 248,570
Roadway Costs	\$ 155,800
Misc. & Mob.	\$ 108,630
Eng. & Contingencies	\$ 87,000
<b>Total Construction Cost</b>	<b>\$ 600,000</b>
Right-of-Way Cost	\$ 16,600
<b>Total Project Cost</b>	<b>\$616,600</b>

**Typical Section for Bridge:**



**F. Project Impact Criteria Checklists:**

<u>Type I &amp; II - Ground Disturbing Actions</u>				
<b><u>FHWA APPROVAL ACTIVITIES THRESHOLD CRITERIA</u></b>				
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	Is the project located in anadromous fish spawning waters?	<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/or 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. Although no evidence of bats was found during surveys, Indiana bats are currently known from Haywood County; therefore, the biological conclusion for the Indiana bat is "May Affect, Not Likely to Adversely Affect". Any tree clearing required for construction will occur between October 15 and April 15 to avoid potential impacts to Indiana bats.

While there are no Northern long-eared bat (NLEB) hibernacula within 0.25 mile of the project study area and no known NLEB roost trees within 150 feet of the project study area, NCDOT has agreed to commitments in order to prevent incidental takes.

For the proposed action, NCDOT has committed to the conservation measures listed below:

- 1) No alterations of a known hibernaculum's entrance or interior environment if it impairs an essential behavioral pattern, including sheltering Northern long-eared bats (January 1 through December 31);
- 2) No tree removal within a 0.25 mile radius of a known hibernacula (January 1 through December 31); and
- 3) No cutting or destroying a known, occupied maternity roost tree, or any other trees within a 150-foot radius from the known, occupied maternity tree during the period from June 1 through and including July 31.

NCDOT has determined that the proposed action does not require separate consultation on the grounds that the proposed action is consistent with the final Section 4(d) rule, codified at 50 C.F.R. §17.40(o) and effective February 16, 2016. Section 7 responsibilities are therefore considered fulfilled.

## **H. Project Commitments**

**Haywood County  
Replacement of Bridge Number 382 on SR 1835 (Israel Road)  
Over Dutch Cove Creek  
Federal Project No. BRZ-1835(001)  
WBS No. 17BP.14.R.186  
TIP No. B-5900**

### **Division 14 Construction**

1. Any tree clearing required for construction will occur between October 15 and April 15 to avoid potential impacts to Indiana bats.
2. The following conservation measures will be enacted in relation to the protection of the Northern long-eared bat:
  - No alterations of a known hibernacula entrance or interior environment if it impairs an essential behavioral pattern, including sheltering northern long-eared bats (January 1 through December 31)
  - No tree removal within a 0.25 mile radius of a known hibernacula (January 1 through December 31)
  - No cutting or destroying a known, occupied maternity roost tree, or any other trees within a 150-foot radius from the known, occupied maternity tree during the period from June 1 through and including July 31.

**I. Categorical Exclusion Approval**

STIP Project No.	<u>B-5900</u>
WBS Element	<u>17BP.14.R.186</u>
Federal Project No.	<u>BRZ-1835(001)</u>

**Prepared By:**

10/16/2018

Date

DocuSigned by:

*Colista Freeman*

Colista Freeman, PE, Planning Senior Project Manager  
CALYX Engineers and Consultants, an NV5 Company

**Prepared For:**

North Carolina Department of Transportation

**Reviewed By:**

10/22/2018

Date

DocuSigned by:

*Adam Dockery*

Adam Dockery, Division 14 Bridge Program Manager  
North Carolina Department of Transportation



**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.

10/22/2018

Date

DocuSigned by:

*Brian Burch*

Brian Burch, Division 14 Engineer  
North Carolina Department of Transportation

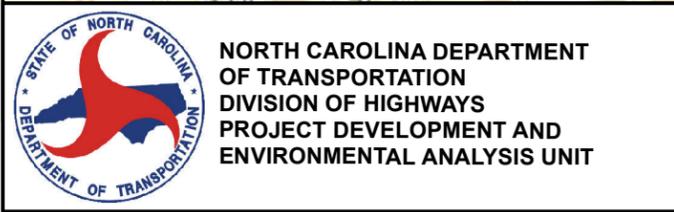
**FHWA Approved:** For Projects Certified by NCDOT (above), FHWA signature required.

Date

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



● Other Nearby STIP Project



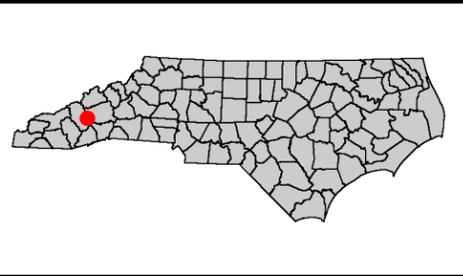
**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION**  
 DIVISION OF HIGHWAYS  
 PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS UNIT

**VICINITY MAP**  
 Replace Bridge No. 382 on SR 1835  
 over Dutch Cove Creek in Haywood County  
 TIP Project B-5900



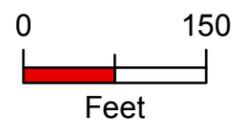
Div: 14	TIP# B-5900
Date: DECEMBER 2015	

**Figure**  
**1**



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS UNIT

**STUDY AREA MAP**  
**Replace Bridge No. 382 on SR 1835**  
**over Dutch Cove Creek in Haywood County**  
TIP Project B-5900



Div: 14	TIP# B-5900
Date: DECEMBER 2015	

**Figure**  
**2**