



South Carolina Department of Transportation
On Behalf of the Federal Highway Administration - South Carolina Division Office



PROCESSING FORM FOR PROGRAMMATIC CATEGORICAL EXCLUSIONS
NON MAJOR FEDERAL ACTIONS

State ID P038724

Fed Project # P038724

Route S-119

County Cherokee

Part 1 - Project Description

Include the Project Name/Description

S-119 (Bear Creek Road) over Bear Creek Bridge Replacement

The purpose of this project is to replace the bridge to correct the load restriction placed on it. The existing bridge is posted for load restrictions due to being substandard. It has a sufficiency rating of 49.4. The proposed repair involves replacing the current 35' long bridge with a new bridge on the same alignment.

NEPA studies revealed no significant impacts or effects to resources within the project study area.

It is not anticipated that new right of way will be required for the replacement of this structure. Should additional right of way be needed, it will be minor temporary or permanent strips. Existing right of way has been identified as being 66' or 33' to each side from the centerline. Given the rural locations and field studies conducted, new acquisitions are not anticipated to have negative effects to resources or landowners and will be located within the existing project study area.

Part 2 - PCE Type

Select the appropriate Categorical Exclusion from 23 CFR Part 771.117 that best fits the entire project from the drop-down menu. **Reference Appendix A of the PCE Agreement for a more detailed description of each CE contained in 23 CFR 771.117.**

23 CFR 771.117(c) Bridge rehabilitation, reconstruction, or replacement or railroad crossing improvements

23 CFR 771.117(d)

Part 3 - Thresholds

To be processed as a Programmatic Categorical Exclusion (PCE) the following conditions must be met in addition to the General Criteria (as outlined in the PCE Agreement between FHWA-SC and SCDOT). Place a "X" in the appropriate box below. If the answer is "Yes" to any of the below criteria, SCDOT will consult with FHWA-SC to determine the appropriate level of NEPA documentation required and forward to FHWA-SC for approval. ***Reference Part 4 of the Processing form or Section IV of the PCE Agreement for more details and definitions regarding each threshold.**

1.	Involves any unusual circumstances as described in <u>*23 CFR Part 771.117(b)</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2.	The acquisition of more than <u>*minor amounts</u> of temporary or permanent strips of right-of-way	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Part 3 - Thresholds Continued

3.	Involves acquisitions that result in residential or non-residential displacements	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
4.	Results in capacity expansion of a roadway by adding through lanes	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5.	Involves construction that would result in <u>*major traffic disruptions</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
6.	Involves <u>*changes in access control</u> requiring FHWA approval	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
7.	An adverse effect determination under Section 106 of the National Historic Preservation Act.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
8.	Use of Section 4(f) property that cannot be documented with a FHWA <i>de minimis</i> determination or a programmatic Section 4(f) other than the programmatic evaluation for the use of historic bridges	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
9.	Any use of a Section 6(f) property	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
10.	Requires an Individual USACE 404 Permit	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
11.	Requires an Individual U.S. Coast Guard Permit.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
12.	Work encroaching in a regulatory floodway, adversely affecting the base floodplain (100 yr.) pursuant to E.O. 11988 and 23 CFR Part 650 Subpart A	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
13.	Construction in, across, or adjacent to a river designated as a National Wild and Scenic River	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
14.	Involves an increase of 15 dBA or greater on any noise receptor or abatement measures are found to be feasible and reasonable due to noise impacts	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
15.	May affect and is likely to adversely affect a Federally listed species or designated critical habitat or projects with impacts subject to the BGEPA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
16.	Involves acquisition of land for hardship, protective purposes, or early acquisition	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
17.	Does not meet the latest Conformity Determination for air quality non-attainment areas (if applicable).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
18.	Any known or potential <u>major</u> hazardous waste sites within the right-of-way.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
19.	Is not included in or is inconsistent with the STIP and/or TIP	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Part 3 Continued - Additional criteria to be completed for disposal of excess right-of-way PCE

1. Is the parcel part of a SCDOT environmental mitigation effort or could it be used for environmental mitigation?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Is there a formal plan to use this parcel for a future transportation project (is it part of an approved LRTP)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Part 4 - Threshold Definitions

Unusual Circumstances (23 CFR Part 771.117) - Unusual circumstances are defined as:

- a. Significant environmental impacts;
- b. Substantial controversy on environmental grounds;
- c. Significant impact on properties protected by Section 4(f) of the DOT ACT or Section 106 of the National Historic Preservation Act; or
- d. Inconsistencies with any Federal, State, or local law, requirement, or administrative determination relating to the environmental aspects of the action.

Minor Amount of Right-of-Way (ROW):

A minor amount of ROW is defined as less than 3 acres per linear mile for linear projects or less than 10 acres of impacts for non-linear projects (eg: intersections, bridges), and no removal of major property improvements. Examples of major improvements include residential and business structures, or the removal of other features which would change the functional utility of the property. Removal of minor improvements, such as fencing, landscaping, sprinkler systems, and mailboxes would be allowed.

Major Traffic Disruptions:

A major traffic disruption is defined as an action that would result in: a) adverse effects to through-traffic businesses or schools, b) substantial change in environmental impacts, or c) public controversy associated with the use of the temporary road, detour, or ramp closure.

Changes in Access Control:

Requires approval from FHWA for changes in access control on the Interstate system (eg: Interchange Modification Reports or Interchange Justification Reports).

Additional Comments if Needed:

This bridge is part of a design-build bridge package consisting of 9 bridges to be replaced under one contract. All bridges in this package are located in District 4.

Relevant field studies and environmental reviews have been completed to determine that the project meets the criteria set forth in the Programmatic Categorical Exclusion Agreement signed by FHWA-SC and SCDOT. It is understood that any additions/deletions to the project may void environmentally processing the project as presently classified; consequently, any engineering changes must be brought to the attention of SCDOT Environmental Services Office immediately. A copy of this form is included in the project file and one (1) copy has been provided to FHWA.

Prepared By:

Will McGoldrickDigitally signed by Will McGoldrick
Date: 2021.01.08 10:14:35 -05'00'

Date Jan 8, 2021

Primavera:

☐

Yes

☐

No

P2S Date:

Apr 30, 2020

Does the project contain

commitments?: (if Yes attach to form)

☒

Yes

☐

No

Date: 01/08/2021

SCDOT
NEPA ENVIRONMENTAL COMMITMENTS FORM



Project ID : P038724 County : Cherokee District : District 4 Doc Type: PCE Total # of Commitments: 5

Project Name: S-119 (Bear Creek Road) over Bear Creek Bridge Replacement

The Environmental Commitment **Contractor Responsible** measures listed below **are to be included in the contract and must be implemented**. It is the responsibility of the Program Manager to make sure the Environmental Commitment **SCDOT Responsible** measures are adhered to. If there are questions regarding the commitments listed please contact:

CONTACT NAME: Brad Reynolds

PHONE #: 803-737-1440

ENVIRONMENTAL COMMITMENTS FOR THE PROJECT

Water Quality

NEPA Doc Ref:

Responsibility:

CONTRACTOR

The contractor will be required to minimize possible water quality impacts through implementation of BMPs, reflecting policies contained in 23 CFR 650B and the Department's Supplemental Specification on Erosion Control Measures (latest edition) and Supplemental Technical Specifications on Seeding (latest edition). Other measures including seeding, silt fences, sediment basins, etc. as appropriate will be implemented during construction to minimize impacts to water quality.

☐ Special Provision

Migratory Bird Treaty Act

NEPA Doc Ref:

Responsibility:

CONTRACTOR

The federal Migratory Bird Treaty Act, 16 USC § 703-711, states that it is unlawful to pursue, hunt, take, capture or kill; attempt to take, capture or kill; possess, offer to or sell, barter, purchase, deliver or cause to be shipped, exported, imported, transported, carried or received any migratory bird, part, nest, egg or product, manufactured or not. The South Carolina Department of Transportation (SCDOT) will comply with the Migratory Bird Treaty Act of 1918 in regard to the avoidance of taking of individual migratory birds and the destruction of their active nests.

The contractor shall notify the Resident Construction Engineer (RCE) at least four (4) weeks prior to construction/demolition/maintenance of bridges and box culverts. The RCE will coordinate with SCDOT Environmental Services Office (ESO), Compliance Division, to determine if there are any active birds using the structure. After this coordination, it will be determined when construction/demolition/maintenance can begin. If a nest is observed that was not discovered after construction/demolition/maintenance has begun, the contractor will cease work and immediately notify the RCE, who will notify the ESO Compliance Division. The ESO Compliance Division will determine the next course of action.

The use of any deterrents by the contractor designed to prevent birds from nesting, shall be approved by the RCE with coordination from the ESO Compliance Division. The cost for any contractor provided deterrents will be provided at no additional cost to SCDOT.

☐ Special Provision

Stormwater


NEPA Doc Ref:


Responsibility:

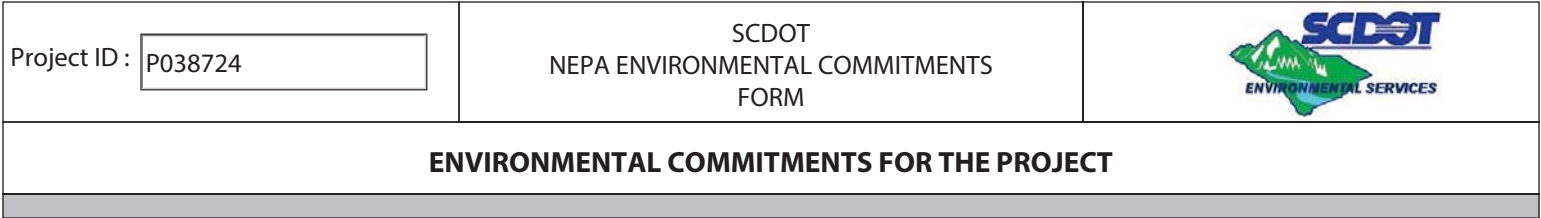
CONTRACTOR

Stormwater control measures, both during construction and post-construction, are required for SCDOT projects with land disturbance and/or constructed in the vicinity of 303(d), TMDL, ORW, tidal, and other sensitive waters in accordance with the SCDOT's MS4 Permit. The selected contractor would be required to minimize potential stormwater impacts through implementation of construction best management practices, reflecting policies contained in 23 CFR 650 B and SCDOT's Supplemental Specifications on Seed and Erosion Control Measures (latest edition).

☐ Special Provision

Project ID : <input type="text" value="P038724"/>	SCDOT NEPA ENVIRONMENTAL COMMITMENTS FORM	
ENVIRONMENTAL COMMITMENTS FOR THE PROJECT		
<div></div>		

Project ID : <input type="text" value="P038724"/>	SCDOT NEPA ENVIRONMENTAL COMMITMENTS FORM	
ENVIRONMENTAL COMMITMENTS FOR THE PROJECT		
<div></div>		



Project ID : <input type="text" value="P038724"/>	SCDOT NEPA ENVIRONMENTAL COMMITMENTS FORM	
ENVIRONMENTAL COMMITMENTS FOR THE PROJECT		
<div></div>		

Cultural Resources	NEPA Doc Ref:		Responsibility:	CONTRACTOR
---------------------------	---------------	--	-----------------	------------

Cultural Resources	NEPA Doc Ref:		Responsibility:	CONTRACTOR
---------------------------	---------------	--	-----------------	------------

Cultural Resources	NEPA Doc Ref:		Responsibility:	CONTRACTOR
---------------------------	---------------	--	-----------------	------------

Cultural Resources	NEPA Doc Ref:		Responsibility:	CONTRACTOR
---------------------------	---------------	--	-----------------	------------

The contractor and subcontractors must notify their workers to watch for the presence of any prehistoric or historic remains, including but not limited to arrowheads, pottery, ceramics, flakes, bones, graves, gravestones, or brick concentrations during the construction phase of the project, if any such remains are encountered, the Resident Construction Engineer (RCE) will be immediately notified and all work in the vicinity of the discovered materials and site work shall cease until the SCDOT Archaeologist directs otherwise.

The contractor and subcontractors must notify their workers to watch for the presence of any prehistoric or historic remains, including but not limited to arrowheads, pottery, ceramics, flakes, bones, graves, gravestones, or brick concentrations during the construction phase of the project, if any such remains are encountered, the Resident Construction Engineer (RCE) will be immediately notified and all work in the vicinity of the discovered materials and site work shall cease until the SCDOT Archaeologist directs otherwise.

Lead-Based Paint	NEPA Doc Ref:		Responsibility:	CONTRACTOR
-------------------------	---------------	--	-----------------	------------

Lead-Based Paint	NEPA Doc Ref:		Responsibility:	CONTRACTOR
-------------------------	---------------	--	-----------------	------------

Lead-Based Paint	NEPA Doc Ref:		Responsibility:	CONTRACTOR
-------------------------	---------------	--	-----------------	------------

Lead-Based Paint	NEPA Doc Ref:		Responsibility:	CONTRACTOR
-------------------------	---------------	--	-----------------	------------

The existing structures shall be removed and disposed of by the Contractor in accordance with Subsection 202.4.2 of the Standard Specifications. The Contractor's attention is called to the fact that this project may require removal and disposal of structural components containing lead-based paints. Removal and disposal of structural components containing lead-based paints shall comply with all applicable Federal, State, and Local requirements for lead as waste, lead in air, lead in water, lead in soil, and worker health and safety.

The existing structures shall be removed and disposed of by the Contractor in accordance with Subsection 202.4.2 of the Standard Specifications. The Contractor's attention is called to the fact that this project may require removal and disposal of structural components containing lead-based paints. Removal and disposal of structural components containing lead-based paints shall comply with all applicable Federal, State, and Local requirements for lead as waste, lead in air, lead in water, lead in soil, and worker health and safety.

NEPA Doc Ref: Responsibility:

NEPA Doc Ref: Responsibility:

☐ Special Provision



Cultural Resources Project Screening Form

File Number: PIN: Route: County:

Project Name:

Type 1: Resurfacing, installation of fencing, signs, pavement markings, traffic signals, passenger shelters, railroad warning devices, installation of rumble strips, and landscaping

Project Type

Type 2: Bridge replacements on alignment, construction of bicycle/pedestrian facilities, and intersection improvements

Type 3: Projects that do not fall into Type 1 and Type 2 categories (e.g. road widening)

Comments

This project will replace the bridge carrying S-119 (Bear Creek Road) over Bear Creek in Cherokee County. A small amount of new right-of-way (ROW) will be required. The Project Study Area (PSA) was established as a 100 foot wide corridor along S-97 for a distance of 500 feet on either side of the bridge, widening to 150 feet at the bridge. The architectural study area extends 300 feet beyond the PSA. Background review indicated a previously recorded cultural resource, a historic bridge (Asset Number 2308) is present within the PSA. A cultural resources survey of the project area was conducted August 19, 2020. The survey consisted of a pedestrian reconnaissance of the entire project area. No shovel test pits were excavated due to heavy ground disturbance, standing water, or slope. One resource was identified, the current bridge carrying S-119 over Bear Creek, which was recorded as SHPO Site Number 0276. This resource was constructed in 1956 and is composed of cast in place concrete with a total length of 35.1 feet. This resource is recommended not eligible for the National Register of Historic Places. No additional cultural resources investigations are recommended.

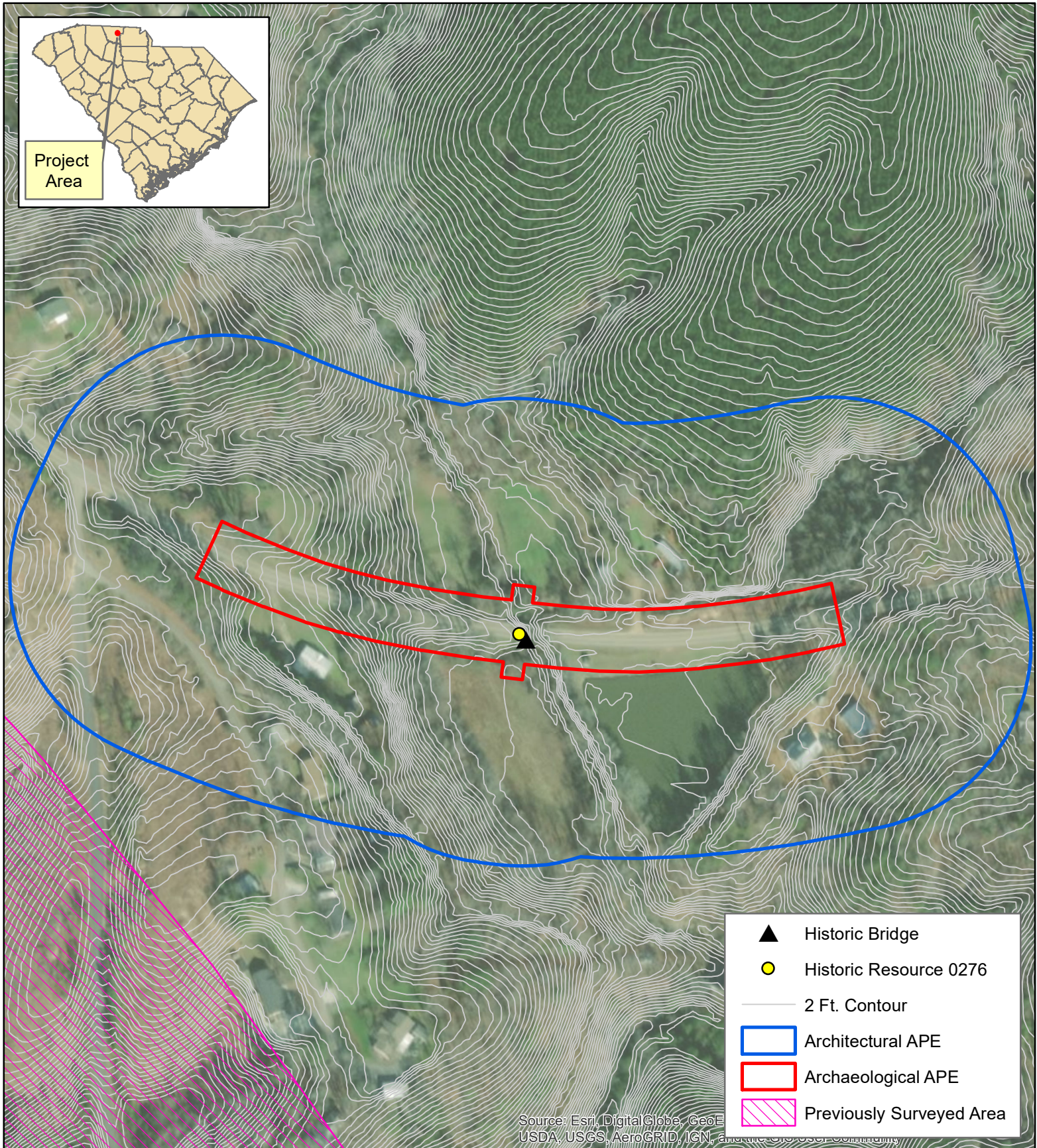
Effect Determination:

*SHPO consultation is required for all Type 3 projects and any project with a No Adverse or Adverse Effect Determination.

This screening form was developed to satisfy documentation requirements for Type I and Type II projects under a Programmatic Agreement between the Federal Highway Administration, the South Carolina State Historic Preservation Office, the US Army Corps of Engineers, and the South Carolina Department of Transportation. For Type I and Type II projects that have no effect on historic properties, the completion of this screening form with supporting documentation (e.g. ArchSite Map) provides evidence of FHWA and SCDOT's compliance with Section 106 of the National Historic Preservation Act.

Prepared by:

Review Date:

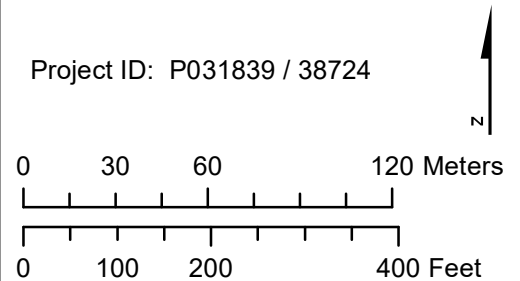


Date:
September 14, 2020



Cherokee County
S-119 (Bear Creek Road)
over Bear Creek
Bridge Replacement

Project ID: P031839 / 38724





United States Department of the Interior

FISH AND WILDLIFE SERVICE

South Carolina Ecological Services
176 Croghan Spur Road, Suite 200
Charleston, SC 29407-7558
Phone: (843) 727-4707 Fax: (843) 727-4218
<http://www.fws.gov/charleston/>



IPaC Record Locator: 804-23045460

August 18, 2020

Subject: Consistency letter for the 'S-119' project (TAILS 04ES1000-2020-R-1198) under the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request to verify that the **S-119** (Proposed Action) may rely on the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action will have **no effect** on the endangered Indiana bat (*Myotis sodalis*) or the threatened Northern long-eared bat (*Myotis septentrionalis*). If the Proposed Action is not modified, **no consultation is required for these two species**.

For Proposed Actions that include bridge/structure removal, replacement, and/or maintenance activities: If your initial bridge/structure assessments failed to detect Indiana bats, but you later detect bats during construction, please submit the Post Assessment Discovery of Bats at Bridge/Structure Form (User Guide Appendix E) to this Service Office. In these instances, potential incidental take of Indiana bats may be exempted provided that the take is reported to the Service.

If the Proposed Action may affect any other federally-listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency accordingly.

The following species may occur in your project area and **are not** covered by this determination:

- Dwarf-flowered Heartleaf, *Hexastylis naniflora* (Threatened)

Project Description

The following project name and description was collected in IPaC as part of the endangered species review process.

Name

S-119

Description

S-119

Determination Key Result

Based on the information you provided, you have determined that the Proposed Action will have no effect on the endangered Indiana bat and/or the threatened Northern long-eared bat. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for these two species.

Qualification Interview

1. Is the project within the range of the Indiana bat^[1]?

[1] See [Indiana bat species profile](#)

Automatically answered

No

2. Is the project within the range of the Northern long-eared bat^[1]?

[1] See [Northern long-eared bat species profile](#)

Automatically answered

Yes

3. Which Federal Agency is the lead for the action?

A) Federal Highway Administration (FHWA)

4. Are *all* project activities limited to non-construction^[1] activities only? (examples of non-construction activities include: bridge/abandoned structure assessments, surveys, planning and technical studies, property inspections, and property sales)

[1] Construction refers to activities involving ground disturbance, percussive noise, and/or lighting.

No

5. Does the project include *any* activities that are **greater than** 300 feet from existing road/rail surfaces^[1]?

[1] Road surface is defined as the actively used [e.g. motorized vehicles] driving surface and shoulders [may be pavement, gravel, etc.] and rail surface is defined as the edge of the actively used rail ballast.

No

6. Does the project include *any* activities **within** 0.5 miles of a known Indiana bat and/or NLEB hibernaculum^[1]?

[1] For the purpose of this consultation, a hibernaculum is a site, most often a cave or mine, where bats hibernate during the winter (see suitable habitat), but could also include bridges and structures if bats are found to be hibernating there during the winter.

No

7. Is the project located **within** a karst area?

No

8. Is there *any* suitable^[1] summer habitat for Indiana Bat or NLEB **within** the project action area^[2]? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's [summer survey guidance](#) for our current definitions of suitable habitat.

[2] The action area is defined as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 CFR Section 402.02). Further clarification is provided by the [national consultation FAQs](#).

No

9. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?

No

10. Does the project include slash pile burning?

No

11. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)?

Yes

12. Is there *any* suitable habitat^[1] for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)

[1] See the Service's current [summer survey guidance](#) for our current definitions of suitable habitat.

No

13. Does the project include the removal, replacement, and/or maintenance of *any* structure other than a bridge? (e.g., rest areas, offices, sheds, outbuildings, barns, parking garages, etc.)

No

14. Will the project involve the use of **temporary** lighting *during* the active season?

No

15. Will the project install new or replace existing **permanent** lighting?

No

16. Does the project include percussives or other activities (**not including tree removal/trimming or bridge/structure work**) that will increase noise levels above existing traffic/background levels?

No

17. Are *all* project activities that are **not associated with** habitat removal, tree removal/trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives, limited to actions that DO NOT cause any additional stressors to the bat species?

Examples: lining roadways, unlighted signage, rail road crossing signals, signal lighting, and minor road repair such as asphalt fill of potholes, etc.

Yes

18. Will the project raise the road profile **above the tree canopy**?

No

19. Is the location of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the project action area is not within suitable Indiana bat and/or NLEB summer habitat and is outside of 0.5 miles of a hibernaculum.

20. Is the bridge removal, replacement, or maintenance activities portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the bridge is more than 1,000 feet from the nearest suitable habitat and is therefore considered unsuitable for use by bats

Determination Key Description: FHWA, FRA, FTA Programmatic Consultation For Transportation Projects Affecting NLEB Or Indiana Bat

This key was last updated in IPaC on December 02, 2019. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the threatened **Northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should only be used to verify project applicability with the Service's [February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects](#). The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

Biological Survey of Bridge Replacement S-119 over Bear Creek
Cherokee County, S.C.
PIN P031839/P038724

Pursuant to Section 7 of the Endangered Species Act a field survey was conducted on the proposed new right of way. The following list of species that are endangered (E), threatened (T) and Bald and Golden Eagle Protection Act (BGEPA) was obtained from the U.S. Fish and Wildlife Service:

Animals

Northern long-eared bat *Myotis septentrionalis*

Plants

Dwarf-flowered heartleaf *Hexastylis naniflora*- Threatened

Methods

The project area was examined by GIS and Google Earth on August 17, 2020. Habitats surveyed were determined by each species' ecological requirements.

Results

The proposed project consists of replacing the bridge on S-119 over Bear Creek. The project corridor consists of residential areas interspersed with forest.

According to the Heritage Trust database of endangered, threatened and rare species, there have been no recorded observations of any of the above species in the vicinity of the project. Dwarf-flowered heartleaf grows on north-facing slopes with mature hardwoods adjacent to streams. The Northern Long-eared bat hibernates in caves and mines in the winter and roosts in cavities or crevices of trees during the summer. They occasionally roost in structures like barns. These habitats are not in the project area.

Based on lack of suitable habitat and/or no observations of the listed species, results of the threatened and endangered species study indicate that the proposed action will not affect any threatened or endangered species or critical habitats currently listed by the USFWS.

Ann-Marie Altman

August 17, 2020

Date: 9/15/20

PERMIT DETERMINATION

FROM Will McGoldrick COMPANY SCDOT

CONTACT INFO (phone and/or email) 803-737-1326; mcgoldriwr@scdot.org

SCDOT PROJECT ENGINEER Brad Reynolds

TO <select one>

Project Description CLRB 2021-1 District 2 Bridge Replacement Package; replace 2 bridges over Bear Creek

Route or Road No. S-119 County Cherokee

CONST. PIN P038724 OTHER PINS or STRUCTURE # _____

RESPONSE:

☒ It has been determined that no permits are required because:
Streams should be avoided and no wetlands identified in field.

☐ The following permit(s) is/are necessary:
(Please check which type(s) of permit the project will need)

USACE Permit ☐ GP ☐ IP ☐ 401 ☐ JD

OCRM Permit ☐ CAP ☐ CZC

Navigable ☐ SCDHEC NAVGP — if checked a USCG and/or USACE navigable permit may also be required, but will be determined during the NEPA and Permitting stages.

Other _____

Water Classification: FW *Print and attach the SCDHEC water quality report*

303(d) listed ☒ no ☐ yes, for * _____

TMDL developed ☐ no ☒ yes, for * Fecal

*List all that apply using the SCDHEC abbreviations

Comments: part of 9 bridge package;

The determination above was based on the most recently available information at the time. This is a preliminary determination and is subject to change if the design of the project is modified.

Will McGoldrick Digitally signed by Will McGoldrick
Date: 2020.09.16 14:36:11 -04'00'

Biologist, SCDOT/Consultant

Date



8/4/2020

Watershed and Water Quality Information

General Information

Applicant Name: SCDOT **Permit Type:** MS4
Latitude: 35.0580 **Longitude:** -81.5183
MS4 Designation: Not in designated area **Monitoring Station:** B-044
Within Coastal Critical Area: NO **Water Classification (Provisional):** FW
Waterbody Name: BEAR CREEK **Entered Waterbody Name:**

Parameter Descriptions

NH3N
 CR
 CU
 HG
 NI
 PB
 ZN
 DO
 PH

Ammonia
 Chromium
 Copper
 Mercury
 Nickel
 Lead
 Zinc
 Dissolved Oxygen
 pH

FC
 FCB
 BIO
 TP
 TN
 CHLA
 ENTERO
 HGF
 PCB

Fecal Coliform
 Fecal Coliform (Shellfish)
 Macroinvertebrates (Bio)
 (Lakes) Phosphorus
 (Lakes) Nitrogen
 (Lakes) Chlorophyll a
 (Beach) Enterococcus
 Mercury (Fish)
 PCB (Fish)

Impaired Status (downstream sites)

Station	NH3N	CR	CU	HG	NI	PB	ZN	DO	PH	TURBIDITY	ECOLI	FCB	BIO	TP	TN	CHLA	ENTERO	HGF	PCB
B-044	F	F	F	F	F	X	F	F	F	F	T	A	X	X	X	X	X	X	X

F = Standards Fully Supported
 N = Standards Not Supported

A = Assessed at Upstream Station
 X = Parameter Not Assessed at Station

T = Within TMDL Approved Watershed

Parameters to be addressed (those not supporting standards)

ECOLI

Fish Consumption Advisory

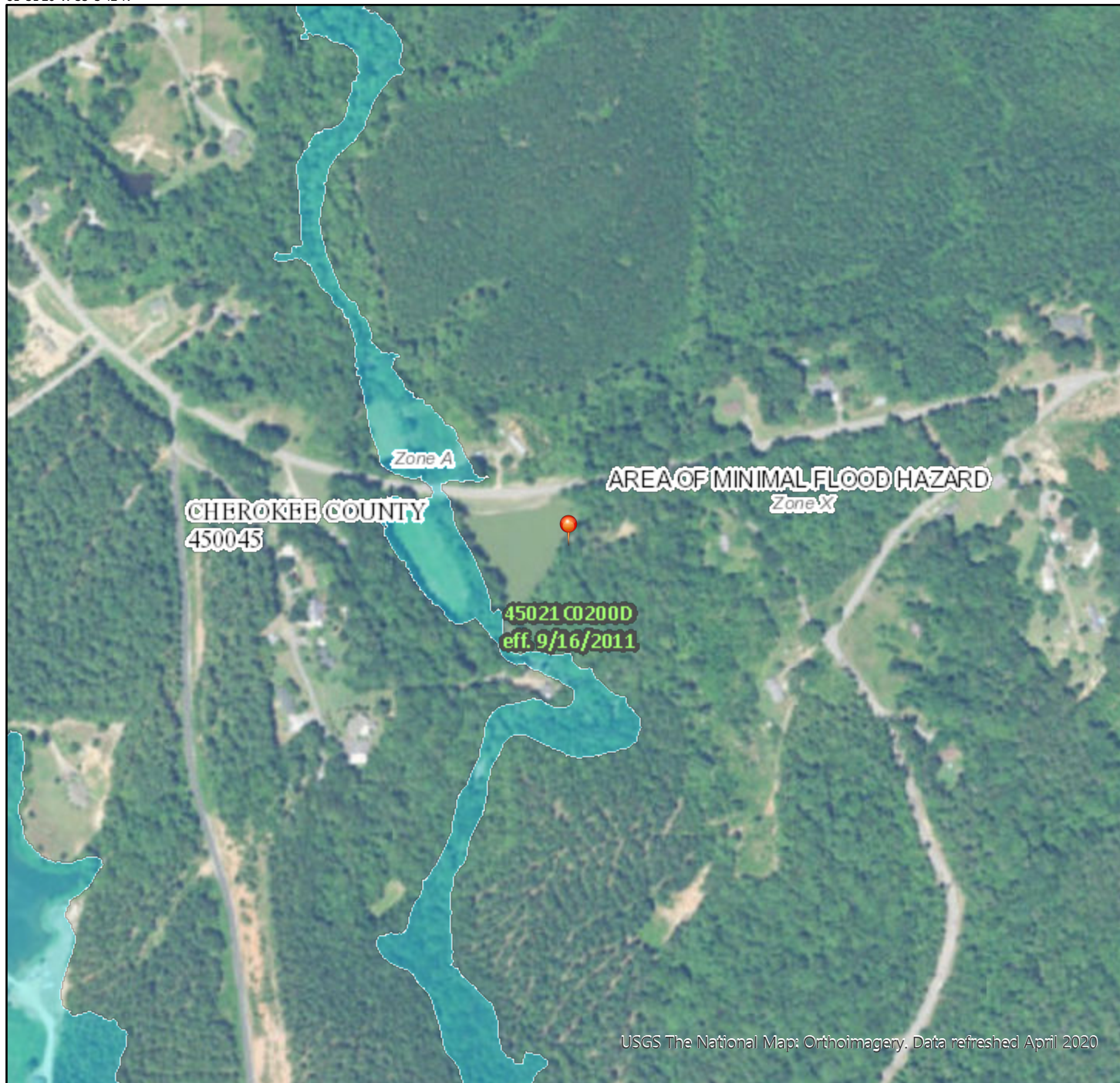
TMDL Information - TMDL Parameters to be addressed

In TMDL Watershed: Yes **TMDL Site:** B-044
TMDL Report No: 022-04 **TMDL Parameter:** Fecal
TMDL Document Link: https://www.scdhec.gov/sites/default/files/docs/HomeAndEnvironment/Docs/tmdl_ubroad_fc.pdf

National Flood Hazard Layer FIRMette



81°31'20"W 35°3'42"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

81°30'42"W 35°3'13"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **8/4/2020 at 8:35 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

S-119 Cherokee

Bridge over Bear Creek
P031839/38724

Legend



Wetland Types

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other

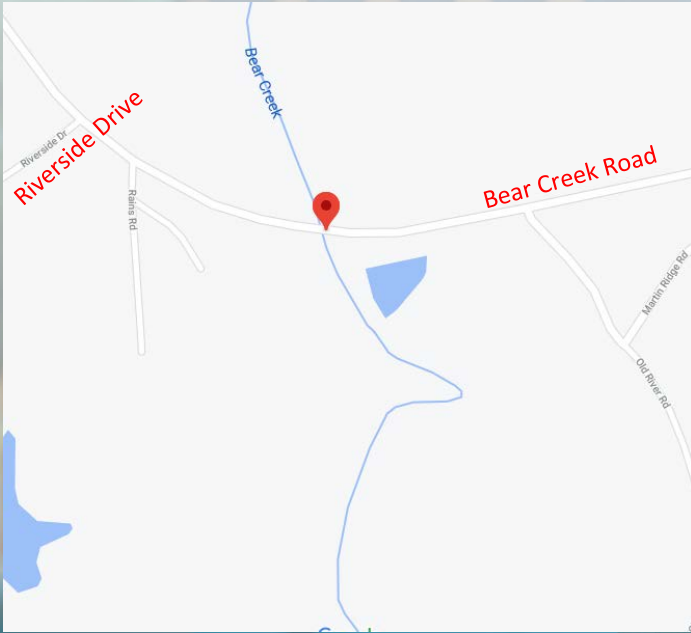
Status Map

- Digital Data
- No Data



PUBLIC ANNOUNCEMENT

SCDOT proposes to replace the S-119 (Bear Creek Road) Bridge over Bear Creek in Cherokee County



This design-build project bridge package consists of all work necessary to replace the bridges to improve safety and address bridge deficiencies that could lead to bridge failure. The current bridges will be replaced with new bridges on the same alignment.

Work will include the associated roadway and drainage work necessary to tie the new approaches to the existing roadway. All of these bridges will be closed and detoured during construction.

Visit the project website to view more information and to make comments on the project. You can also make comments by contacting the project manager at the information below.

scdotgis.online/CLRB2021

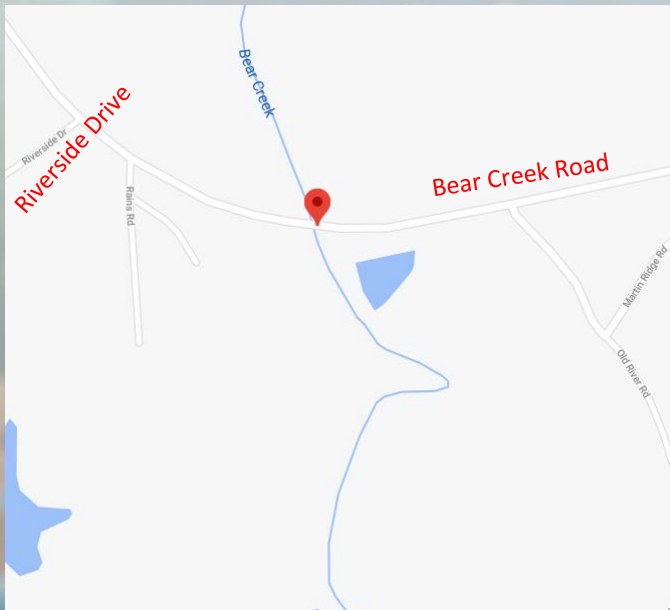
Limited Internet access? Contact the Project Manager to request hard copies of project information.

Questions or concerns, please contact Michael Pitts (803) 737-2566 or PittsME@scdot.org



PUBLIC ANNOUNCEMENT

SCDOT proposes to replace the S-119 (Bear Creek Road) Bridge over Bear Creek in Cherokee County



This design-build project bridge package consists of all work necessary to replace the bridges to improve safety and address bridge deficiencies that could lead to bridge failure. The current bridges will be replaced with new bridges on the same alignment. Work will include the associated roadway and drainage work necessary to tie the new approaches to the existing roadway. All of these bridges will be closed and detoured during construction.

Visit the project website to view more information and to make comments on the project. You can also make comments by contacting the project manager at the information below.

scdotgis.online/CLRB2021

Limited Internet access? Contact the Project Manager to request hard copies of project information.

Questions or concerns, please contact Michael Pitts (803) 737-2566 or PittsME@scdot.org



ENVIRONMENTAL SERVICES OFFICE
PO BOX 191
COLUMBIA SOUTH CAROLINA 29202

PRSR STD
U.S. POSTAGE
PAID
COLUMBIA, SC
PERMIT NO.108

*To speak with an
interpreter, please contact
SCDOT at (855) 467-2368
or (803) 737-1200.*

*Para hablar con un
intérprete, comuníquese
con SCDOT al (855) 467-
2368 número gratuito ó
(803) 737-1200.*

*****ECRWSEDDM*****

Postal Customer
Blacksburg, SC 29702



ENVIRONMENTAL SERVICES OFFICE
PO BOX 191
COLUMBIA SOUTH CAROLINA 29202

PRSR STD
U.S. POSTAGE
PAID
COLUMBIA, SC
PERMIT NO.108

*To speak with an
interpreter, please contact
SCDOT at (855) 467-2368
or (803) 737-1200.*

*Para hablar con un
intérprete, comuníquese
con SCDOT al (855) 467-
2368 número gratuito ó
(803) 737-1200.*

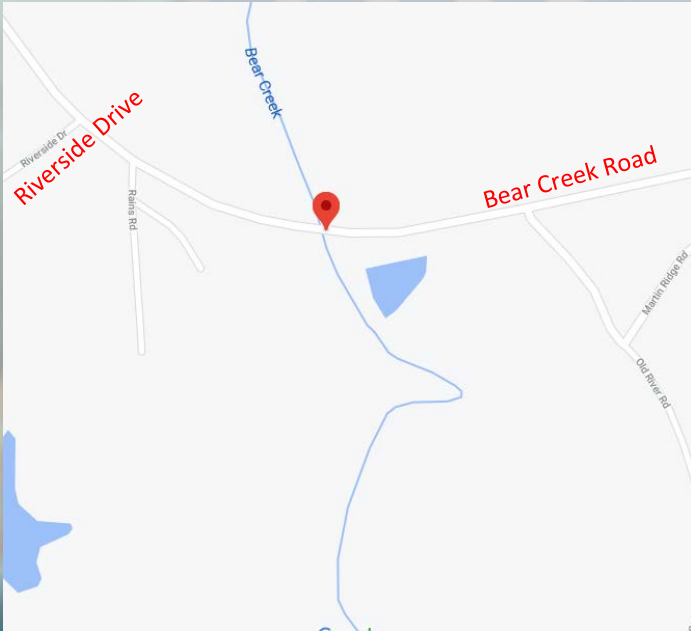
*****ECRWSEDDM*****

Postal Customer
Blacksburg, SC 29702



PUBLIC ANNOUNCEMENT

SCDOT proposes to replace the S-119 (Bear Creek Road) Bridge over Bear Creek in Cherokee County



This design-build project bridge package consists of all work necessary to replace the bridges to improve safety and address bridge deficiencies that could lead to bridge failure. The current bridges will be replaced with new bridges on same alignment. Work will include the associated roadway and drainage work necessary to tie the new approaches to the existing roadway. All of these bridges will be closed and detoured through construction.

Visit the project website to view more information and to make comments on the project. You can also make comments by contacting the project manager at the information below.

scdotgis.online/CLRB2021

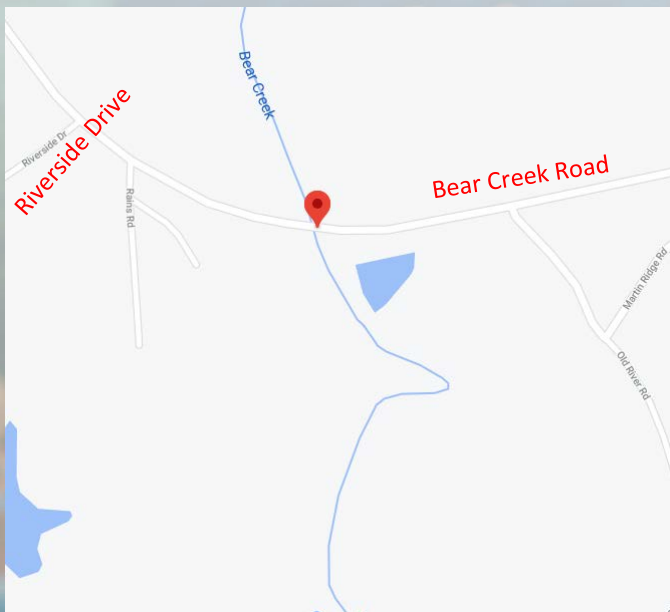
Limited Internet access? Contact the Project Manager to request hard copies of project information.

Questions or concerns, please contact Michael Pitts (803) 737-2566 or PittsME@scdot.org



PUBLIC ANNOUNCEMENT

SCDOT proposes to replace the S-119 (Bear Creek Road) Bridge over Bear Creek in Cherokee County



This design-build project bridge package consists of all work necessary to replace the bridges to improve safety and address bridge deficiencies that could lead to bridge failure. The current bridges will be replaced with new bridges on same alignment. Work will include the associated roadway and drainage work necessary to tie the new approaches to the existing roadway. All of these bridges will be closed and detoured through construction.

Visit the project website to view more information and to make comments on the project. You can also make comments by contacting the project manager at the information below.

scdotgis.online/CLRB2021

Limited Internet access? Contact the Project Manager to request hard copies of project information.

Questions or concerns, please contact Michael Pitts (803) 737-2566 or PittsME@scdot.org



ENVIRONMENTAL SERVICES OFFICE
PO BOX 191
COLUMBIA SOUTH CAROLINA 29202

PRSR STD
U.S. POSTAGE
PAID
COLUMBIA, SC
PERMIT NO.108

*To speak with an
interpreter, please contact
SCDOT at (855) 467-2368
or (803) 737-1200.*

*Para hablar con un
intérprete, comuníquese
con SCDOT al (855) 467-
2368 número gratuito ó
(803) 737-1200.*

*****ECRWSEDDM*****

Postal Customer
Blacksburg, SC 29702



ENVIRONMENTAL SERVICES OFFICE
PO BOX 191
COLUMBIA SOUTH CAROLINA 29202

PRSR STD
U.S. POSTAGE
PAID
COLUMBIA, SC
PERMIT NO.108

*To speak with an
interpreter, please contact
SCDOT at (855) 467-2368
or (803) 737-1200.*

*Para hablar con un
intérprete, comuníquese
con SCDOT al (855) 467-
2368 número gratuito ó
(803) 737-1200.*

*****ECRWSEDDM*****

Postal Customer
Blacksburg, SC 29702