



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

Project ID P044049

Route S-52 over Motlow Ck

County Spartanburg

Part 1 - Project Description

Include the Project Name/Description

S-52 over Motlow Creek

SCDOT proposes to restore to good condition the structural crossing of Motlow Creek which was damaged during Hurricane Helene. Specific damages erosion of foundational elements and shifting of sub structural elements that resulted roadway instability. The road is currently closed to traffic and a detour is in place. SCDOT proposes to replace the bridge on alignment.

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
3.	Involves acquisitions that result in residential or non-residential displacements	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
4.	Involves any adverse impacts to EJ populations	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Part 3 - Thresholds Continued

5.	Results in capacity expansion of a roadway by adding through lanes	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
6.	Involves construction that would result in <u>*major traffic disruptions</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
7.	Involves <u>*changes in access control</u> requiring FHWA approval	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
8.	An adverse effect determination under Section 106 of the National Historic Preservation Act.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
9.	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
10.	Any use of a Section 6(f) property	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
11.	Requires an Individual USACE 404 Permit	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
12.	Requires an Individual U.S. Coast Guard Permit.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
13.	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
14.	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
15.	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
16.	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
17.	Involves acquisition of land for hardship, protective purposes, or early acquisition	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
18.	Does not meet the latest Conformity Determination for air quality non-attainment areas (if applicable).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
19.	Any known or potential <u>major</u> hazardous waste sites within the right-of-way.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
20.	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).

Environmental Commitments: (Check all that apply)

- | | | |
|---|--|--|
| <input type="checkbox"/> USTs/Hazardous Materials | <input type="checkbox"/> General Permit | <input type="checkbox"/> Right of Way |
| <input checked="" type="checkbox"/> Water Quality | <input type="checkbox"/> Individual Permit | <input checked="" type="checkbox"/> Floodplains |
| <input checked="" type="checkbox"/> Migratory Bird Treaty Act | <input type="checkbox"/> Essential Fish Habitat | <input type="checkbox"/> Lead Based Paint |
| <input checked="" type="checkbox"/> Stormwater | <input checked="" type="checkbox"/> Cultural Resources | |
| <input type="checkbox"/> Coast Guard Permit Exclusion | <input type="checkbox"/> Noise | <input type="checkbox"/> Non-Standard Commitment (see below) |

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.

Approved By: *Will McGoldrick* Date: Dec 2, 2024

Primavera: Yes No NEPA Start Date: Dec 2, 2024 Does the project contain additional commitments?: (if Yes attach to form) Yes No

Date: 12/02/2024



Project ID: P044049 County: Spartanburg District: District 4 Doc Type: PCE Total # of Commitments: 5

Project Name: S-52 Over Motlow Creek

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: Tyler Clark **PHONE #:** (803)-737-4596

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: P044049

SCDOT
NEPA ENVIRONMENTAL COMMITMENTS
FORM



ENVIRONMENTAL COMMITMENTS FOR THE PROJECT

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.

Special Provision

Floodplains

NEPA Doc Ref:

Responsibility:

CONTRACTOR

The Engineer of Record will send a set of final plans and request for floodplain management compliance to the local County Floodplain Administrator.

Special Provision

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-52 (New Cut Rd) over Motlow Creek, which was damaged during Hurricane Helene and is currently closed. The bridge will be replaced on alignment and a small amount of new right-of-way (ROW) may be required. The study area extends 75 feet to each side of the roadway centerline and 600 feet from either end of the bridge. The archaeological survey examined the study area. The architectural survey examined the Area of Potential Effects (APE), which consisted of a 300-foot buffer around the study area. The APE was reviewed using ArchSite, Google Earth, Web Soil Survey, historic topographic maps, and aerial photographs. The review determined that the area has not been previously surveyed for cultural resources and no previously recorded historic properties are located within or in the vicinity of the APE. Web Soil Survey maps all of the soils within the as well drained. About 24 percent are frequently flooded and consisted of slope greater than 25 percent and were moderately eroded. A cultural resources field survey, consisting of a pedestrian reconnaissance of the entire APE augmented by the excavation of shovel tests, was conducted on Nov. 7, 2024. Six shovel test pits (STP) were excavated. The remainder of the study area was found to be significantly disturbed by roadside ditches, buried utilities, or berms, or were heavily sloped. All of the STPs were negative for cultural material. The bridge to be replaced (Asset #363) was built in 2003 and was not assessed for the National Register of Historic Places (NRHP). Five architectural resources and three sub-resources were recorded. These include four ca. 1950 to 1960 commercial buildings (SHPO Site Nos. 1822, 1822.01, 1822.02, and 1824.01), three residential structures built between 1937 and 1957 (SHPO Site Nos. 1823, 1824, and 1826), and one active cemetery (SHPO Site No. 1825, also recorded as archaeological site 38SP490) dating from the late 19th century through the present. All of these resources were assessed as not eligible for the NRHP. No additional cultural resources investigations are recommended.

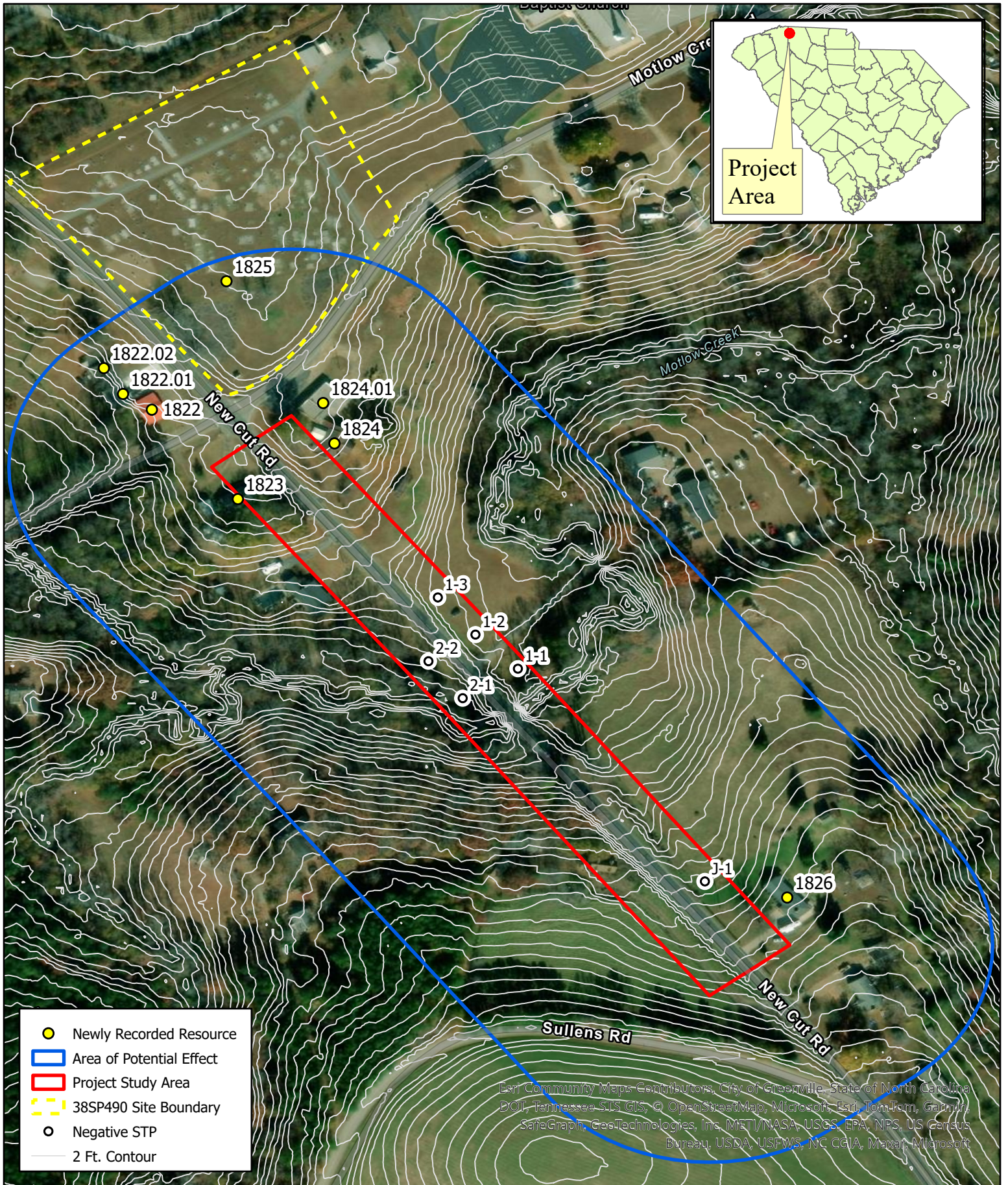
Effect Determination:

*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:

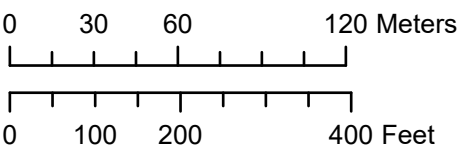


- Newly Recorded Resource
- ▭ Area of Potential Effect
- ▭ Project Study Area
- - - 38SP490 Site Boundary
- Negative STP
- 2 Ft. Contour

Esri Community Maps Contributors, City of Greenville, State of North Carolina DOT, Tennessee SUTS GIS, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NC CGIA, Maxar, Microsoft

S-52 (New Cut Road) over Motlow Creek Emergency Bridge Replacement

Date: 11/22/2024
 County: Spartanburg PIN: N/A





Biological Assessment Report

Project Title: S-52 over Motlow Creek

County: Spartanburg

SCDOT PIN:

Date: 11/27/2024

Prepared By: Erin Jenkins *Erin Jenkins*

Pursuant to Section 7 of the Endangered Species Act a field survey was conducted within the project corridor. The project was also entered into the USFWS Information for Planning Consultation (IPaC) tool. A copy of the official species list letter from IPaC is included in Appendix A. The following list of threatened (T) and endangered (E) species was evaluated:

Description

The project involves the replacement of the S-52 over Motlow Creek in Spartanburg County, South Carolina. The existing bridge was damaged during hurricane Helene and is closed to traffic. The project study area (PSA) includes waters of the Motlow Creek and approximately 5 acres of forested upland habitats. The corridor consists mostly of mowed lawns and maintained right of way. However, directly adjacent to the bridge includes white oak, an occasional sycamore and kudzu. The area around the bridge is sparsely vegetated and the project should require minimal clearing. The bridge will be replaced on existing alignment and will involve some minor clearing and in-water work for construction access.

Species List

Species	Federal Protection Status	Effect Determination
Monarch butterfly (<i>Danaus plexippus</i>)	Canidate	NE
Tricolored bat (<i>Perimyotis subflavus</i>)	Endangered*	NE
Dwarf flowered heartleaf (<i>Hexastylis naniflora</i>)	Threatened	NE

*Tricolored bat was proposed as endangered in September 2022. The effect determination will be updated when the listing becomes final.

Plant Species

There is one species of plant on the threatened or endangered species list in Spartanburg County. There is no suitable habitat in the PSA for this species and there are no known occurrences in the vicinity of the PSA according to the SCDNR Natural Heritage Viewer. There were also no observations of the species during the field review, the project will have no effect on these plant species.

Mammals

The tricolored bat (TCB) are found within Spartanburg County. The area around the bridge is sparsely vegetated and the majority of the PSA consists of mowed lawns and maintained right of way. There will be very minimal clearing for this project. The trees did not appear to be suitable habitat for TCB and no bats were found utilizing the bridge structure during the field review on Nov 13, 2024. Due to lack of habitat and minimal clearing the project will have no effect on TCB.

Results

The impacts of the project will be minimal and will have no effect on the dwarf flowered heartleaf and monarch butterfly. The project will involve minimal clearing of trees that did not appear to be suitable habitat for TCB during the field review. Due to lack of suitable habitat within the PSA the project will have no effect on the listed species.

Appendix A – Agency Correspondence



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



In Reply Refer To:

Project Code: 2025-0017878

Project Name: S-52 over Motlow Creek

11/12/2024 12:40:00 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act

(MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: Responsibilities of Federal Agencies to Protect Migratory Birds, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

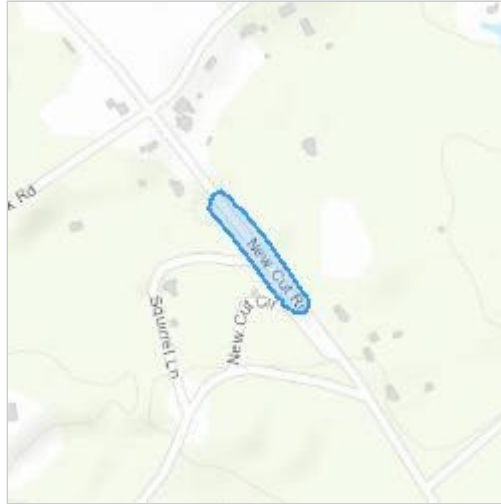
South Carolina Ecological Services

176 Croghan Spur Road, Suite 200
Charleston, SC 29407-7558
(843) 727-4707

PROJECT SUMMARY

Project Code: 2025-0017878
Project Name: S-52 over Motlow Creek
Project Type: Bridge - Maintenance Project Description:
emergency bridge replacement Project Location:

The approximate location of the project can be viewed in Google Maps: [https://
www.google.com/maps/@35.084139949999994,-82.19088123659031,14z](https://www.google.com/maps/@35.084139949999994,-82.19088123659031,14z)



Counties: Spartanburg County, South Carolina

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

¹. [NOAA Fisheries](https://www.noaa.gov/), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

NAME	STATUS
Dwarf-flowered Heartleaf <i>Hexastylis naniflora</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2458	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i>	Breeds Sep 1 to Jul 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

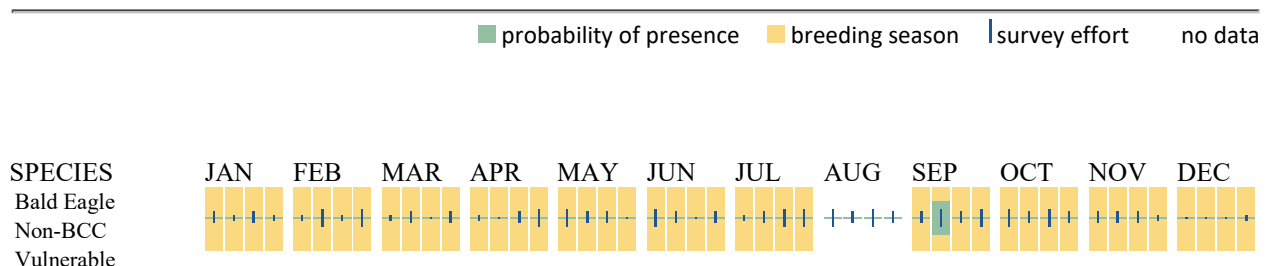
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act² and the Bald and Golden Eagle Protection Act³.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats⁴ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Chuck-will's-widow <i>Antrostomus carolinensis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9604	Breeds May 10 to Jul 10
Grasshopper Sparrow <i>Ammodramus savannarum perpallidus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8329	Breeds Jun 1 to Aug 20

² . The [Migratory Birds Treaty Act](#) of 1918.

³ . The [Bald and Golden Eagle Protection Act](#) of 1940.

⁴ . 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

Prairie Warbler <i>Setophaga discolor</i>	Breeds May 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9513	
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i>	Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	
Rusty Blackbird <i>Euphagus carolinus</i>	Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	
Wood Thrush <i>Hylocichla mustelina</i>	Breeds May 10 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

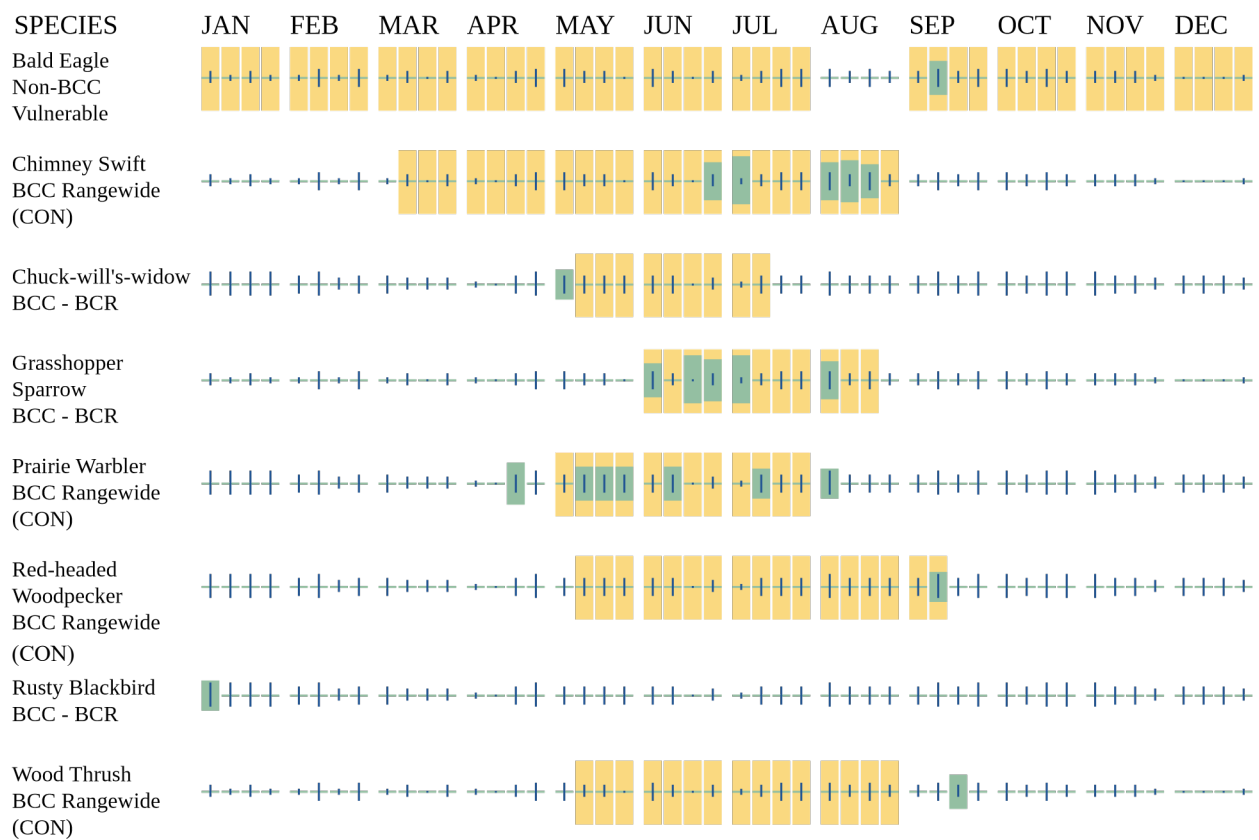
Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

■ probability of presence ■ breeding season | survey effort no data



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

RIVERINE

- R4SBC

IPAC USER CONTACT INFORMATION

Agency: South Carolina Department of Transportation

Name: Erin Jenkins

Address: 955 Park St

City: Columbia

State: SC

Zip: 29201

Email: jenkinsen@scdot.org

Phone: 8037375812

PERMIT DETERMINATION

Date:

Project ID:

From: Will McGoldrick

Company: SCDOT

Contact Info (phone and/or email): mcgoldrwr@scdot.org

Permit Manager: Will McGoldrick - Alternative Delivery Coordinator

Project Name: S-52 Bridge Replacement over Motlow Creek

County:

(Optional) Structure #: 363

STUDY AREA:

Does there appear to be WOTUS in the study area? YES NO

PERMIT TYPE:

It has been determined that no permit is required because:

The following permit(s) is/are necessary:

(Please check which type(s) of permit the project will need)

USACE Permit	GP <input type="checkbox"/>	IP <input type="checkbox"/>	NWP <input checked="" type="checkbox"/>
OCRM Permit	Individual CAP <input type="checkbox"/>	CAP GP <input type="checkbox"/>	
Navigable Permit	State NAV <input type="checkbox"/>	USCG <input type="checkbox"/>	

408 PROJECT INFO:

Is it within a 408 Project: YES NO

408 Project Name: _____

MITIGATION:

Mitigation Bank: YES NO

Mitigation Bank Name: Two Rivers Wetland and Stream Mit Bank

Comments:

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: 2024.11.26 14:15:09 -05'00'

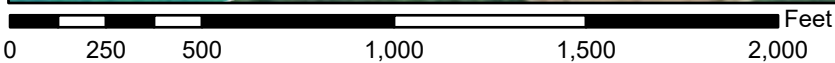
Biologist, SCDOT/Consultant

Date

National Flood Hazard Layer FIRMMette



82°12'30"W 33°54'48"N



1:6,000

82°11'52"W 33°54'18"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		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

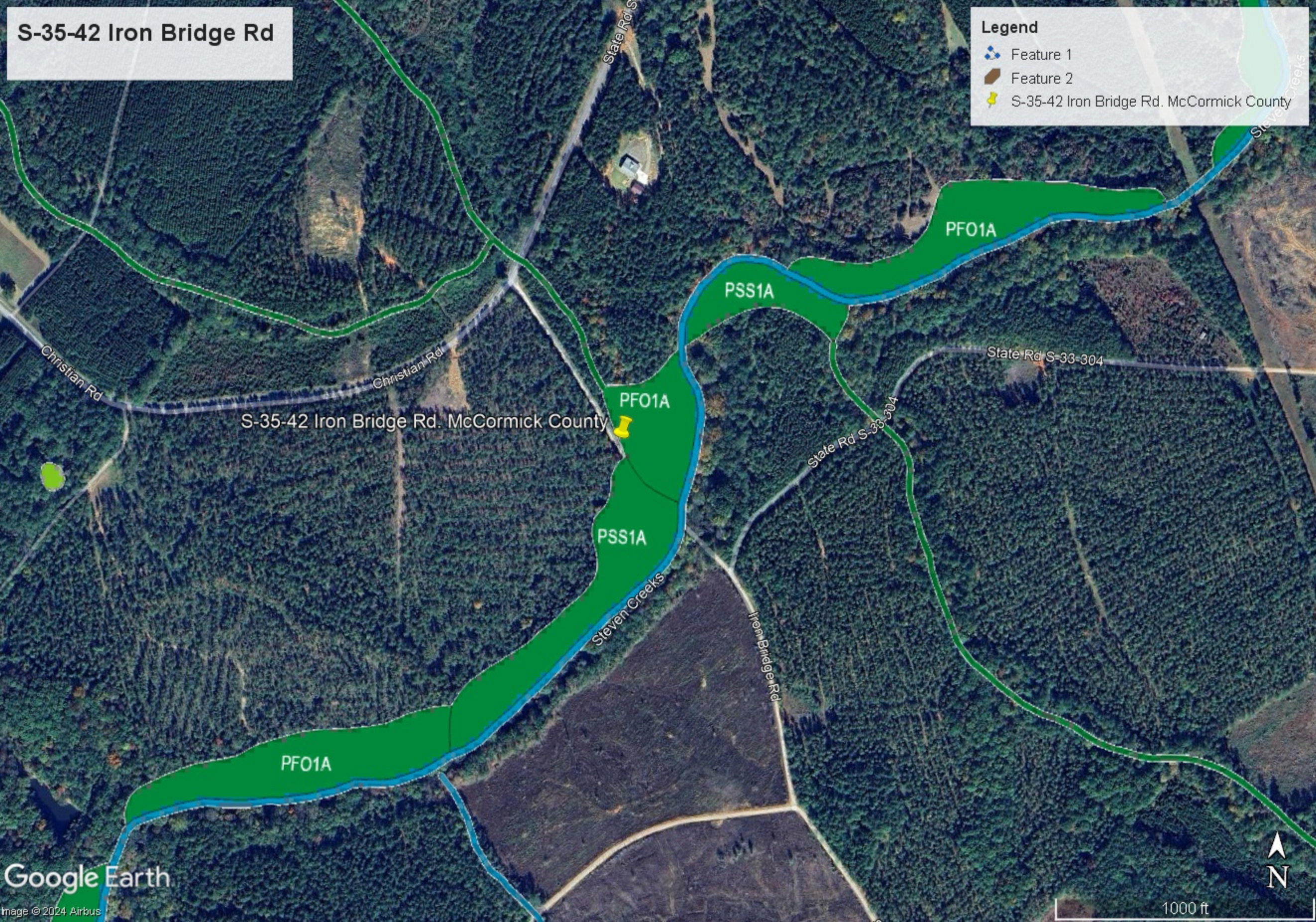
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/29/2024 at 2:20 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded 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-35-42 Iron Bridge Rd

Legend

-  Feature 1
-  Feature 2
-  S-35-42 Iron Bridge Rd. McCormick County



**South Carolina Department of Transportation
Location and Hydraulic Design of Encroachments on Floodplains Checklist**

23 CFR 650, this regulation shall apply to all encroachments and to all actions which affect base floodplains, except for repairs made with emergency funds. Note: These studies shall be summarized in the environmental review documents prepared pursuant to 23 CFR 771.

I. PROJECT DESCRIPTION

S-52 Bridge Replacement over Motlow Creek in Spartanburg County. Asset ID: 363 (Bridge Package 31)

A. Narrative Describing Purpose and Need for Project

- a. Relevant Project History:
- b. General Project Description and Nature of Work (attach Location and Project Map):
- c. Major Issues and Concerns:

SCDOT proposes to restore to good condition the structural crossing of Motlow Creek which was damaged during Hurricane Helene. Specific damages erosion of foundational elements and shifting of substructural elements that resulted roadway instability. The road is currently closed to traffic and a detour is in place.

B. Are there any floodplain(s) regulated by FEMA located in the project area?

Yes No

C. Will the placing of fill occur within a 100-year floodplain?

Yes No

D. Will the existing profile grade be raised within the floodplain?

Yes. To meet Roadway criteria the grade will be raised.

E. If applicable, please discuss the practicability of alternatives to any longitudinal encroachments.

F. Please include a discussion of the following: commensurate with the significance of the risk or environmental impact for all alternatives containing encroachments and those actions which would support base floodplain development:

a. What are the risks associated with implementation of the action?

Risks are minimal. The new bridge should qualify for a statement of no impact.

b. What are the impacts on the natural and beneficial floodplain values?

No impacts are anticipated.

c. What measures were used to minimize floodplain impacts associated with the action?

Proposed bridge designed to minimize any impacts.

d. Were any measures used to restore and preserve the natural and beneficial floodplain values impacted by the action?

No impacts are anticipated.

G. Please discuss the practicability of alternatives to any significant encroachments or any support of incompatible floodplain development.

No encroachments are anticipated.

H. Were local, state, and federal water resources and floodplain management agencies consulted to determine if the proposed highway action is consistent with existing watershed and floodplain management programs and to obtain current information on development and proposed actions in the affected? Please include agency documentation.

All analysis for the project will be performed in accordance with SCDOT, FEMA, and local regulations.

Levi McLeod
SCDOT Hydraulic Engineer

Digitally signed by Levi McLeod
Date: 2024.11.19 15:14:49
-05'00'

11/19/24

Date

BRIDGE SCOPE AND RISK ASSESSMENT FORM

COUNTY: Spartanburg

DATE: 11/18/2024

ROAD #: S-52

STREAM CROSSING: Reedy River

Purpose & Need for the Project:

S-52 over Motlow Creek Emergency Replacement over Motlow Creek (Hurricane Helene Damage). Structure was damaged from Hurricane Helene and is no longer safe or functional. Route is currently closed to traffic and a detour is in place. Replacement under emergency funds.

I. FEMA Acknowledgement

Is this project located in a regulated FEMA Floodway? Yes No

Panel Number: 450226 Effective Date: 04/04/2011 (See Attached)

II. FEMA Floodmap Investigation

FEMA Flood Profile Sheet Number _____ illustrates the existing 100 year flood:

- Passes under the existing low chord elevation.
- Is in contact with the existing low chord elevation.
- Overtops the existing bridge finished grade elevation.

III. No Rise/CLOMR Preliminary Determination

- Preliminary assessment indicates this project may be constructed to meet the "No-Rise" requirements. A detailed hydraulic analysis will be performed to verify this assessment.

Justification: Replace culvert with single span bridge. Length designed to minimize impacts.

- Preliminary assessment indicates this project may require a CLOMR/LOMR. Impacts will be determined by a detailed hydraulic analysis.

Justification: _____

BRIDGE SCOPE AND RISK ASSESSMENT FORM

IV. Preliminary Bridge Assessment

A. Locate Existing Plans

a. Bridge Plans Yes File No. CTC#3014 Sheet No. 2 (See Attached)
 No

b. Road Plans Yes File No. 42.275 Sheet No. 9 (See Attached)
 No

B. Historical Highwater Data

a. USGS Gage Yes Gage No. _____ Results: _____
 No

b. SCDOT/USGS Documented Highwater Elevations
 Yes Results: _____
 No

c. Existing Plans Yes See Above
 No

V. Field Review

A. Existing Bridge

Length: 40 ft. Width: 36 ft. Max. span Length: 40 ft.

Alignment: Tangent Curved

Bridge Skewed: Yes No Angle: _____

End Abutment Type: vertical walls

Riprap on End Fills: Yes No Condition: missing

Superstructure Type: 3 sided precast concrete culvert

Substructure Type: spread footings

Utilities Present: Yes No

Describe:

Debris Accumulation on Bridge: Percent Blocked Horizontally: 0 %
Percent Blocked Vertically: 0 %

Hydraulic Problems: Yes No

Describe:

BRIDGE SCOPE AND RISK ASSESSMENT FORM

V. Field Review (cont.)

B. Hydraulic Features

a. Scour Present: Yes No Location: around upstream wing wall

b. Distance from F.G. to Normal Water Elevation: 11 ft.

c. Distance from Low Steel to Normal Water Elev.: 9 ft.

d. Distance from F.G. to High Water Elevation: 4 ft.

e. Distance from Low Steel to High Water Elev.: 2 ft.

f. Channel Banks Stable: Yes No

Describe:

stable and vegetated upstream and downstream.

g. Soil Type: silty sand

h. Exposed Rock: Yes No Location: _____

i. Give Description and Location of any structures or other property that could be damaged due to additional backwater.

houses upstream and downstream

C. Existing Roadway Geometry

a. Can the existing roadway be closed for an On-Alignment Bridge Replacement

Yes No

Describe:

Road currently closed due to washout around culvert

If "yes", does the existing vertical and horizontal curves meet the proposed design speed criteria?

Horizontal - yes. Vertical will be adjusted to move low point off of bridge (currently zero grade at bottom of sag curves.

If "No", will the proposed bridge be:

Staged Constructed

Replaced on New Alignment

BRIDGE SCOPE AND RISK ASSESSMENT FORM

VI. Field Review (cont.)

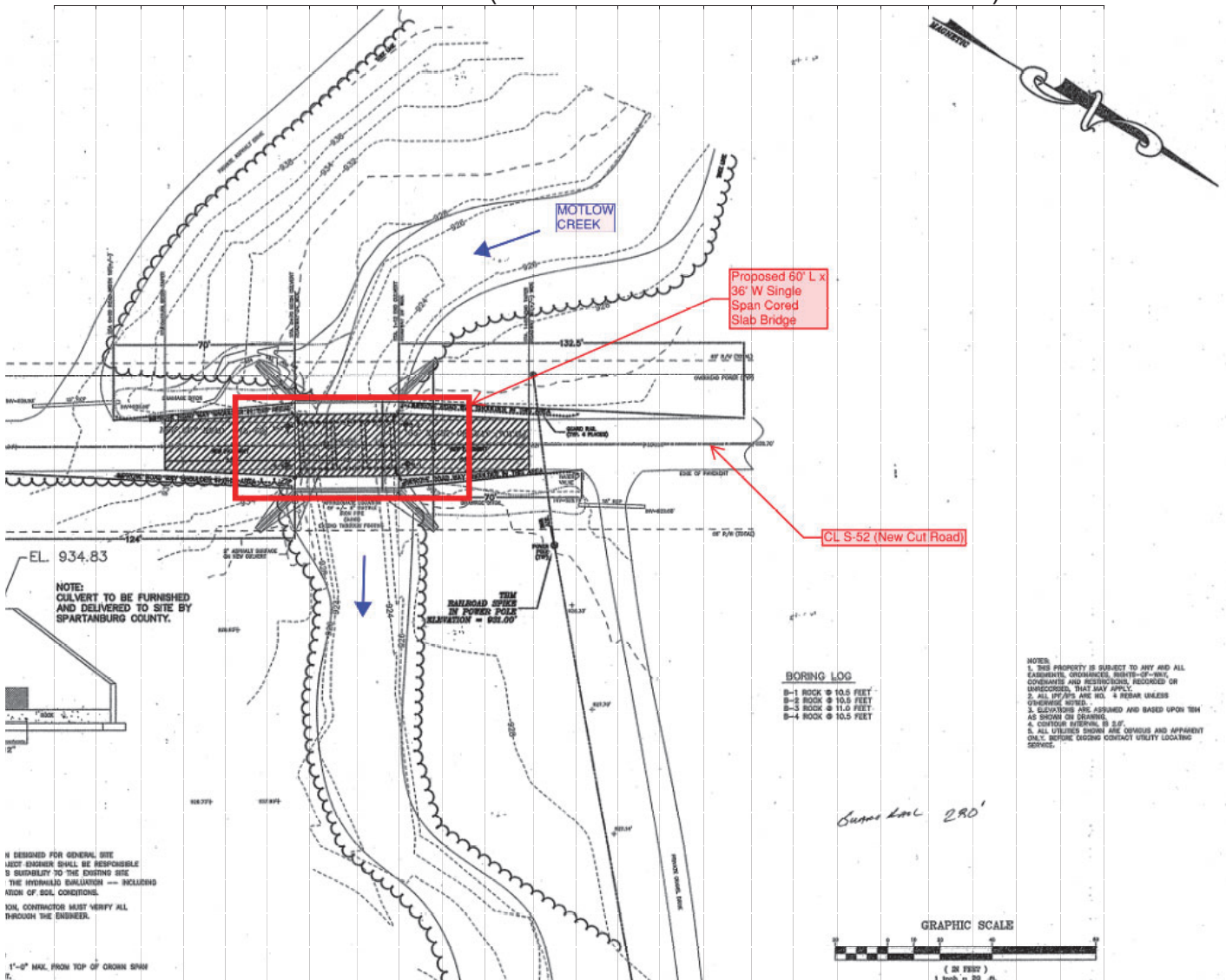
A. Proposed Bridge Recommendation:

Length: 60 ft. Width: 36 ft. Elevation: hold L.C. ft.

Span Arrangement: 60' single span cored slab

Notes: Adjust new end slopes / banks to maintain existing conveyance opening, to
avoid impacts to downstream property owner.

BRIDGE SITE DIAGRAM: (Show North Arrow and Direction of Flow)



Performed By: John Caver & Levi McLeod

NATIONAL BRIDGE INVENTORY

IDENTIFICATION				CLASSIFICATION			
(1) State Name- SOUTH CAROLINA	Code	454		Sufficiency Rating	=	98.0	
(8) Structure Number # 0004270005200100	Asset ID	363		Functionally Obsolete	=	NO	
(5) Inventory Route (On/Under)	On -	171000520		Structurally Deficient	=	NO	
(2) State Highway Department District		3					
(3) County Code 83	(4) Place Code						
(6) Features Intersected	MOTLOW CREEK						
(7) Facility Carried	S-42-52						
(9) Location	6.5MI NW INMAN						
(11) Milepoint		2.748					
(12) Base Highway Network - NOT PART OF NET	Code	0					
(13) LRS Inventory Route & Subroute							
(16) Latitude 35 Degrees 5 Minutes 3.51 Seconds							
(17) Longitude 82 Degrees 11 Minutes 27.85 Seconds							
(98) Border Bridge State Code	% SHARE	%					
(99) Border Bridge Structure No.	#						
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) Structure Type Main: MATERIAL - CONCRETE	Type -	CULVERT (INCL. FRAME CULV)	Code 119	(112) NBIS Bridge Length -		YES	
(44) Structure Type Main: MATERIAL - OTHER OR N/A	Type -	OTHER OR N/A	Code 000	(104) Highway System - NOT NHS		0	
(45) Number of Spans in Main Unit		1		(26) Functional System - RURAL-MAJ COLL		4	
(46) Number of Approach Spans		0		(100) Strahnet Highway - NOT STRAH HWY		0	
(107) Deck Structure Type - N/A	Code	N		(101) Parallel Structure - NONE EXIST		N	
(108) Wearing Surface / Protective System:				(102) Direction of Traffic - 2-WAY TRAFFIC		2	
A) Type of Wearing Surface - N/A	Code	N		(103) Temporary Structure -			
B) Type of Membrane - N/A	Code	N		(105) Federal Lands Highways - N/A		0	
C) Type of Deck Protection - N/A	Code	N		(110) Designated National Network - NO		0	
				(20) Toll - ON FREE ROAD		3	
				(21) Maintain - SCDOT		1	
				(22) Owner - SCDOT		1	
				(37) Historical Significance - NOT DETERMINABLE		4	
AGE AND SERVICE				LOAD RATING AND POSTING			
(27) Year Built		2003		(31) Design Load -HS 20		5	
(106) Year Reconstructed		0		(64) Operating Rating - LF		57.67	
(42) Type of Service On - HIGHWAY				(66) Inventory Rating - LF		34.34	
Under -WATERWAY	Code	5		(70) Bridge Posting - EQUAL/ABOVE LEGAL LOADS		5	
(28) Lanes: On Structure = 2 Under Structure = 0				(41) Structure Open, Posted or Closed -		A	
(29) Average Daily Traffic		1250		Description - OPEN, NO RESTRICT			
(30) Year of ADT 2023	(109) Truck ADT	08 %					
(19) Bypass, Detour Length		1.000 MI					
GEOMETRIC DATA				APPRAISAL			
(48) Length of Maximum Span		42.000 FT		(67) Structure Evaluation - BETTER THAN MIN CRITERIA		7	
(49) Structure Length		42.000 FT		(68) Deck Geometry		6	
(50) Curb or Sidewalk: Left .0 FT Right .0 FT				(69) Underclearances, Vertical and Horizontal		N	
(51) Bridge Roadway Width Curb to Curb		33.400 FT		(71) Waterway Adequacy		7	
(52) Deck Width Out to Out		36.4 FT		(72) Approach Roadway Alignment		8	
(32) Approach Roadway Width (W/Shoulders)		23.900 FT		(36) Traffic Safety Features		0NN1	
(33) Bridge Median - NONE	Code	0		(113) Scour Critical Bridges - CALC SCOUR ABOVE FOOT		8	
(34) Skew 0 Deg	(35) Structure Flared	NO					
(10) Inventory Route Min Vert Clear	99 FT	99 IN					
(47) Inventory Route Total Horz Clear		FT					
(53) Min Vert Clear Over Bridge Roadway	99 FT	99 IN					
(54) Min Vert Underclear Ref - NOT HWY OR RXR	0 FT	IN					
(55) Min Lat Underclear Right Ref - NOT HWY OR RXR	.0 FT						
(56) Min Lat Underclear Left	.0 FT						
NAVIGATION DATA				PROPOSED IMPROVEMENTS			
(38) Navigation Control - NONE	Code	0		(75) Type of Work -		Code	
(111) Pier Protection -	Code			(76) Length of Structure Improvement		42.0 FT	
(39) Navigation Vertical Clearance		FT		(94) Bridge Improvement Cost		\$0.00	
(116) Vert-Lift Bridge Min Vert Clear		0.000 FT		(95) Roadway Improvement Costs		\$0.00	
(40) Navigation Horizontal Clearance		FT		(96) Total Project Cost		\$0.00	
				(97) Year of Improvement Cost Estimate		2024	
				(114) Future AADT		1825	
				(115) Year of Future AADT		2043	
INSPECTIONS							
(90) Inspection Date	09/2023	(91) Frequency	24 Mo				
(92) Critical Feature Inspection:		(93) CFI Date					
A) Fracture Crit Detail	NO	Mo	A)				
B) Underwater Insp	NO	Mo	B)				
C) Other Special Insp	NO	Mo	C)				