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	P038067	Fed Project #	P038067	Route	S-277	County	Newberry

Part 1 - Project Description

Include the Project Name/Description

S-277 over Big Beaver Dam 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 67.1. The proposed repair involves replacing the current 45' long bridge with a new bridge on the same alignment utilizing the low volume design criteria.

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 these structures. Should additional right of way be needed, it will be minor temporary or permanent strips. Existing right of way for most locations is 33'. 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 *23 CFR Part 771.117(b)	☐ Yes	☒ No
2.	The acquisition of more than *minor amounts of temporary or permanent strips of right-of-way	☐ Yes	☒ No

Part 3 - Thresholds Continued			
3.	Involves acquisitions that result in residential or non-residential displacements	☐ Yes	☒ No
4.	Results in capacity expansion of a roadway by adding through lanes	☐ Yes	☒ No
5.	Involves construction that would result in *major traffic disruptions	☐ Yes	☒ No
6.	Involves *changes in access control requiring FHWA approval	☐ Yes	☒ No
7.	An adverse effect determination under Section 106 of the National Historic Preservation Act.	☐ Yes	☒ No
8.	Use of Section 4(f) property that cannot be documented with a FHWA *de minimis* determination or a programmatic Section 4(f) other than the programmatic evaluation for the use of historic bridges	☐ Yes	☒ No
9.	Any use of a Section 6(f) property	☐ Yes	☒ No
10.	Requires an Individual USACE 404 Permit	☐ Yes	☒ No
11.	Requires an Individual U.S. Coast Guard Permit.	☐ Yes	☒ 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	☐ Yes	☒ No
13.	Construction in, across, or adjacent to a river designated as a National Wild and Scenic River	☐ Yes	☒ 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	☐ Yes	☒ 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	☐ Yes	☒ No
16.	Involves acquisition of land for hardship, protective purposes, or early acquisition	☐ Yes	☒ No
17.	Does not meet the latest Conformity Determination for air quality non-attainment areas (if applicable).	☐ Yes	☒ No
18.	Any known or potential major hazardous waste sites within the right-of-way.	☐ Yes	☒ No
19.	Is not included in or is inconsistent with the STIP and/or TIP	☐ Yes	☒ 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?	☐ Yes	☐ No
2. Is there a formal plan to use this parcel for a future transportation project (is it part of an approved LRTP)?	☐ Yes	☐ 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:

Part of CLRB 2020-1 DB package of 16 bridges

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 bought 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 MCGOLDRICK

Date May 21, 2019

Primavera: ☐ Yes ☒ No

P2S Date: Dec 21, 2018

Does the project contain commitments?: (if Yes attach to form) ☒ Yes ☐ No

Date: 04/17/2019

NEPA ENVIRONMENTAL COMMITMENTS FORM

Project ID : P038067 | County : Newberry | District : District 2 | Doc Type: PCE | Total # of Commitments: 5

Project Name:

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: WILL MCGOLDRICK **PHONE #:** 803-737-1326

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.

Non-Standard Commitment | NEPA Doc Ref: | Responsibility: CONTRACTOR

MIGRATORY BIRDS

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 will 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. SCDOT will be responsible for the removal/management of any active bird nests.

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).

Project ID : P038067	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.

Floodplains	NEPA Doc Ref:		Responsibility:	CONTRACTOR

The selected contractor will send a set of final plans and request for floodplain management compliance to the local

County Floodplain Administrator.

	NEPA Doc Ref:		Responsibility:	

Cultural Resources Project Screening Form

File Number: | PIN: P038067 | Route: S-277 | County: Newberry

Project Name:

S-277 (Paul Long Road) over Branch of Big Beaver Dam Creek Bridge Replacement

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

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)

Project Type

2

Comments

This project replaces the load restricted bridge carrying S-277 over a Branch of Big Beaver Dam Creek. A small amount of new right-of-way (ROW) may be required. The area of potential effects (APE) was established as a 100 foot wide corridor straddling the roadway for a distance of 700 feet to the north and 700 feet to the south of the bridge, widening to 200 feet at the bridge. The architectural APE was a 300 ft buffer around the archaeological APE. Background review found that no cultural resources are recorded within or nearby the APE. A cultural resource survey was conducted on 2/13/2019. Survey consisted of a pedestrian reconnaissance of the project area augmented by the excavation of shovel test pits (STP) at 15 and 30 meter intervals. A total of 26 STPs were excavated. Nine potential STP locations were examined but not excavated due to disturbed ground surface or the presence of hydric soils. Four STPs were positive for historic period artifacts. Two historic archaeological sites (38NE1377 and 38NE1378) and one historic isolated find were recorded. Five new architectural resources were also recorded (Site Nos 1982, 1983, 1983.001, 1984, and 1984.001). All of the newly recorded resources were assessed as not NRHP eligible. No further investigations are recommended.

Effect Determination: No Historic Properties Affected

*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: Tracy Martin | Review Date: 2/21/2019

February 22, 2019

SCDOT
South Carolina Department of Transportation

Load Restricted Bridge
Newberry County

S-277 Over Branch
of Big Beaver Dam Creek

Shovel Test Map

Project ID: P038067

N

0 30 60 Meters

0 100 200 Feet

February 28, 2019

SCDOT
South Carolina Department of Transportation

Load Restricted Bridge
Newberry County

S-277 Over Branch
of Big Beaver Dam Creek

Newly Recorded Resources

Project ID: P038067

N

0 50 100 Meters

0 150 300 Feet

Biological Survey for the Proposed S-277 Bridge Replacement over Branch of Big Beaverdam Creek in Newberry County, South Carolina
PID: P038067

Prepared by Biologist: Ed Frierson

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 protected species (Bald and Golden Eagle Protection Act) was obtained from the U. S. Fish and Wildlife Service (USFWS):

ANIMALS

Bald eagle – *Haliaeetus leucocephalus* – (BGEPA)

METHODS

The project area was examined utilizing remote sensing methods. In addition, GIS was utilized for any past sightings that may have occurred in the area.

RESULTS

The improvements will require primarily areas of mowed roadsides and some upland forested areas. In addition, Branch of Big Beaverdam Creek which is a riverine unconsolidated bottom wetland would be traversed.

Although the Bald eagle is a wetland species, they prefer large rivers or lakes for nesting and feeding habitat. Such large water bodies are not present in the project area. Therefore, the proposed action will have no effect on any protected species currently listed by the USFWS for Newberry County.

Date: 4-12-19

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 Will McGoldrick - Design Build Coordinator

Project Description CLOSED AND LOAD RESTRICTED BRIDGE REPLACEMENT

Route or Road No. S-277 County NEWBERRY

CONST. PIN P038067 OTHER PINS or STRUCTURE # 3670027700100

RESPONSE:

(●) It has been determined that no permits are required because:

NO WATERS OF US PRESENT

( ) 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: _____

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
cn=Will McGoldrick, o=SCDOT, ou=Environmental Services Office, email=mcgoldriwr@scdot.org, c=US
2019.04.17 09:48:37 -04'00'

Biologist, SCDOT/Consultant

4-12-19
Date

Revised 11/2018

P038067 S277
Quad and NWI
Legend
P038067_Newberry S277 over Big Beaverdam
P038067_Newberry S277 over Big Beaverdam
State Rd S-36-277
State Rd S-36-56
Paul Long Rd
Thunder Rd
Paddock Trail
Goodman Rd
Clarendon Dr
Bill Donna Dr
Sewage Dis
Pond
Wetland Types
Estuarine and Marine Deepwater
Estuarine and Marine Wetland
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Lake
Other
Riverine
Google Earth
Earth Point
2000 ft
N
© 2018 Google

2/4/2019

Watershed and Water Quality Information

Genaral Information

Applicant Name:	SCDOT	**Permit Type:**	MS4
Latitude:	34.295483	**Longitude:**	-81.667650
MS4 Designation:	Not in designated area	**Monitoring Station:**	RS-01044
Within Coastal Critical Area:		**Water Classification (Provisional):**	FW
Waterbody Name:	REEDY CREEK	**Entered Waterbody Name:**	

Parameter Descriptions

NH3N	Ammonia	FC	Fecal Coliform
CR	Chromium	FCB	Fecal Coliform (Shellfish)
CU	Copper	BIO	Macroinvertebrates (Bio)
HG	Mercury	TP	(Lakes) Phosphorus
NI	Nickel	TN	(Lakes) Nitrogen
PB	Lead	CHLA	(Lakes) Chlorophyll a
ZN	Zinc	ENTERO	(Beach) Enterococcus
DO	Dissolved Oxygen	HGF	Mercury (Fish)
PH	pH	PCB	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
RS-01044	X	X	X	X	X	X	X	X	X	X	X	X	N	X	X	X	X	X	X
S-102	F	F	F	F	F	X	F	F	F	F	T	A	A	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

BIO

Fish Consumption Advisory

TMDL Information - TMDL Parameters to be addressed

In TMDL Watershed:	Yes	**TMDL Site:**	S-102
TMDL Report No:	009-01	**TMDL Parameter:**	Fecal
TMDL Document Link:	http://www.scdhec.gov/HomeAndEnvironment/Docs/tmdlbush2.pdf		

Map Legend

Map La...	Map Sym...
☑ Monitoring Stations	
☑ TMDL Stations	
☑ Watersheds (10 Digits Hydrologic Units)	
☐ Coastal Critical Area	
☐ MS4 Designation	
☑ TMDL Watershed	
☐ 319 Project Area	
☑ Selected Monitoring Stations	
☑ Streams*	

* Grayed out until mid-level of full zoom

Location Searched

Location Accepted

National Flood Hazard Layer FIRMette

FEMA

34°17'57.69"N

81°40'21.48"W

81°39'44.02"W

34°17'27.96"N

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

1:6,000

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
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- B 20.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 1/3/2019 at 1:54:08 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.