

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	P041166	Route	S-37-51	County	conee			
	Part 1 - Project Description							
nclude the	nclude the Project Name/Description							
5-37-51 (Snow Creek Road) Bridge Replacement over Snow Creek.								
	South Carolina Department of Transportation (SCDOT) proposes to replace the S-37-51 (Snow Creek Road) Bridge over Snow Creek in Oconee County.							
existing bric According to	lge is posted for load the SCDOT Structu	l restrictions re Inventory	oad restriction placed on the bridge and has one or more components in and Appraisal Report from February 2 uction. The bridge is currently open to	poor condition 2022, the bridg	n. The bridge was bu	uilt in 1952.		
NEPA studie	s revealed no signific	cant impacts	or effects to resources within the pro	ject study are	a.			
			Part 2 - PCE Type					
	elect the appropriate Categorical Exclusion from 23 CFR Part 771.117 that best fits the entire project from the drop-down nenu. Reference Appendix A of the PCE Agreement for a more detailed description of each CE contained in 23 CFR 71.117.							
23 CFR 771.1	17(c) Bridge rehabil	litation, reco	nstruction, or replacement or railroad	crossing imp	rovements			
23 CFR 771.1	17(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 lefinitions regarding each threshold.								
. Invo	lves any unusual circ	cumstances a	as described in * <u>23 CFR Part 771.117(b</u>	<u>)</u>	☐ Yes	⊠ No		
The acquisition of more than *minor amounts of temporary or permanent strips Of right-of-way								
3. Invo	lves acquisitions tha	t result in res	sidential or non-residential displaceme	ents	☐ Yes	⊠ No		
	lves any adverse imp	pacts to EJ po	ppulations		☐ Yes	⊠ No		
- + - b - d - + -	4. 5. 02. 2022					Daga 1 of	າີ	

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PCE Processing Form Continued:

Part 3 - Thresholds Continued							
5.	Results in capacity expansion of a roadway by adding through lanes	☐ Yes	×	No			
6.	Involves construction that would result in *major traffic disruptions	☐ Yes	1	⊠No			
7.	Involves *changes in access control requiring FHWA approval	☐ Yes	×	No			
8.	An adverse effect determination under Section 106 of the National Historic Preservation Act.	☐ Yes	\boxtimes	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	Yes	X	No			
10.	Any use of a Section 6(f) property	☐ Yes	\boxtimes	No			
11.	Requires an Individual USACE 404 Permit	☐ Yes	×	No			
12.	Requires an Individual U.S. Coast Guard Permit.	☐ Yes	×	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	☐ Yes	X	No			
14.	Construction in, across, or adjacent to a river designated as a National Wild and Scenic River	☐ Yes	×	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	☐ Yes	\boxtimes	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	☐ Yes	X	No			
17.	Involves acquisition of land for hardship, protective purposes, or early acquisition	☐ Yes	×	No			
18.	Does not meet the latest Conformity Determination for air quality non-attainment areas (if applicable).	☐ Yes	×	No			
19.	Any known or potential <u>major</u> hazardous waste sites within the right-of-way.	☐ Yes	\times	No			
20.	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							
	e parcel part of a SCDOT environmental mitigation effort or could it be used for environmer gation?	ntal	☐ Yes	☐ No			
2. Is th	2. Is there a formal plan to use this parcel for a future transportation project (is it part of an approved LRTP)?						
Form l	Form Updated: 5-02-2022 Page 2 of 3						

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 lustification Reports).						
Environmental Commitments: (Check all that apply)						
USTs/Hazardous Materials	General Permit	Right of Way				
	☐ Individual Permit					
⊠ Migratory Bird Treaty Act	Essential Fish Habitat	Lead Based Paint				
Coast Guard Permit Exclusion	Noise	☐ 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 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.						
Approved By: Caycee Cleaver Date April 10, 2025						
Primavera: X Yes No NEPA S		s the project contain additional mitments?: (if Yes attach to form) 🗵 Yes 🔲 No				

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Date: 02/28/2025





Project ID :	P041166	County:	Oconee	District	: District 3	Doc Туре	PCE	Total # of Commitments:	4
Project Nan	ne: S-37-51 Snow C	reek Road	over Snow 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: Michael Pitts	s				PHONE	#: <u>(803)737-256</u>	66	
	ENVIRONMENTAL COMMITMENTS FOR THE PROJECT								
		EIN	WIRONWIEN I AL	COMINI	I WIEN 13 FOR	THE PRO	JECI		
Water Qu	ıality		NEPA Doo	Ref:			Responsibility:	SCDOT	
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.									
								☐ Spec	cial Provision
Migrator	y 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							nufactured or g of individual box culverts.		
maintenanc	e has begun, the contract he next course of action.								
	any deterrents by the con any contractor provided		-	_		by the RCE	with coordination fr		ance Division.
Stormwa	ter		NEPA Doc	Ref:			Responsibility:	SCDOT	
disturbar the SCD0 impleme	iter control measunce and/or constru DT's MS4 Permit. Intation of construental Specification	ucted in t The selec uction be	he vicinity of 303 sted contractor w st management p	(d), TMI ould be oractices	DL, ORW, tida required to r , reflecting po	l, and oth minimize olicies cor	er sensitive wa potential storr	aters in accord nwater impact	ance with s through
								☐ Spec	ial Provision

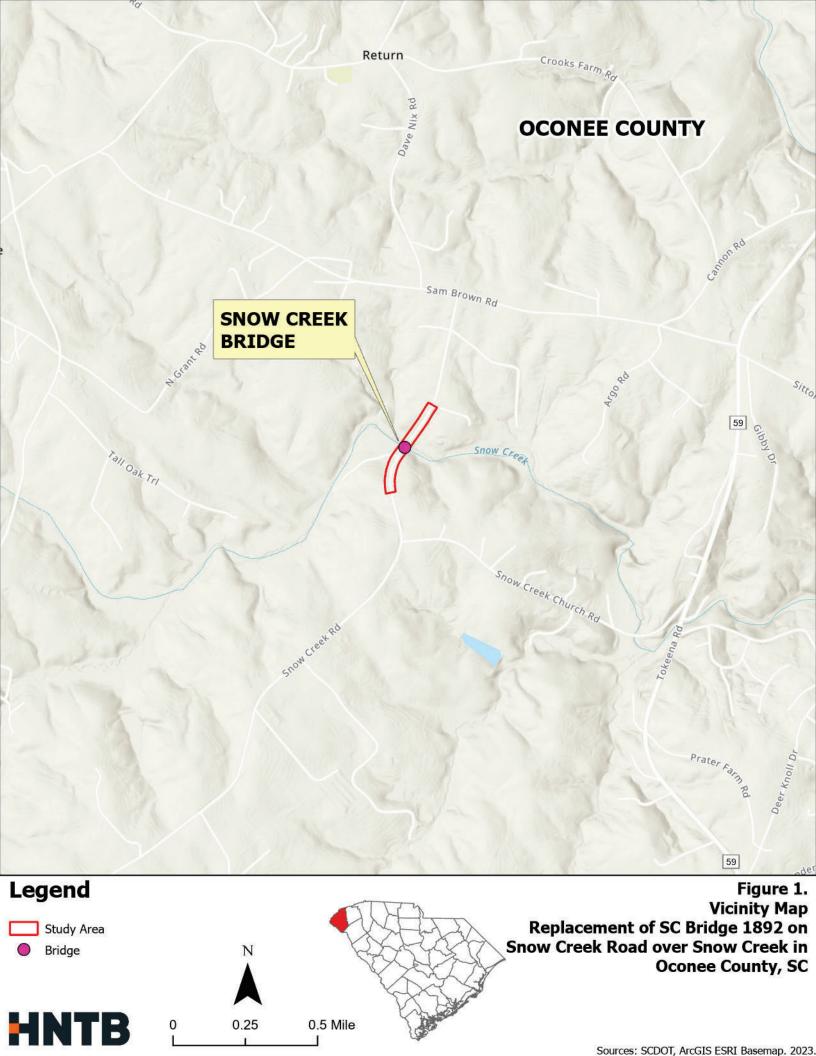
Project ID :	P041166

SCDOT NEPA ENVIRONMENTAL COMMITMENTS FORM



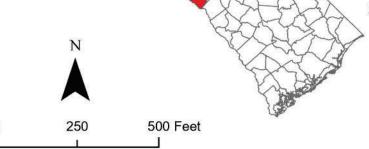
ENVIRONMENTAL COMMITMENTS FOR THE PROJECT

Cultural Resources	NEPA Doc Ref:		Responsibility:	CONTRACTOR
The contractor and subcontractors mus remains, including but not limited to concentrations during the construction Construction Engineer (RCE) will be imm work shall cease until the SCDOT Archaeo	arrowheads, po phase of the pediately notified	ottery, ceramics,flakes, project, if any such re and all work in the vicin	bones, graves, mains are enco	gravestones, or brick buntered, the Resident
				Special Provision
	NEPA Doc Ref:		Responsibility:	
				Special Provision
	NEPA Doc Ref:		Responsibility:	
				Special Provision





-- Road



Attachments

- **Attachment A- Cultural Resources Field Report**
- **Attachment B- Natural Resources Technical Memorandum**
- **Attachment C- Bridge Replacement Scoping Risk Assessment Form**
- **Attachment D- Floodplain Checklist**



File Number: PIN: 41166 Route: S-51	County: Oconee
Project Name:	
S-51 over Snow Creek Bridge Replacement (CLRB 2022, Package 21)	
Type 1: Resurfacing, installation of fencing, signs, pavement markings,	Project Type
traffic signals, passenger shelters, railroad warning devices, installation of rumble strips, and landscaping	2
Type 2: Bridge replacements on alignment, construction of bicycle/pedestrian facilities, and intersection improvements	

Cultural Resources Project Screening Form

Comments

widening)

SCDOT proposes to replace the S-37-51 (Snow Creek Road) bridge over the Snow Creek in Oconee County. The project area is defined as that area within 75 feet of either side of the roadway centerline and extending approximately 1,500 feet on either side of the bridge. The archaeological survey examined the project area. The architectural survey examined the Area of Potential Effects (APE), which was defined as all above-ground resources with sightlines to the bridge. New South conducted background research and a cultural resources field survey in July of 2023 and created a short form report detailing the project (attached). The current survey consisted of a pedestrian reconnaissance of the entire APE augmented by the excavation of shovel tests. A total of 31 shovel test locations were investigated, all of which were negative for cultural material. The historic architecture survey identified one new resource with two sub-resources. SHPO Site No. 0161 is a circa-1945 front-gabled bungalow with an outbuilding and garage built in the 1950s (SHPO Site Nos. 0161.01 and 0161.02) All resources were assessed as not eligible for the National Register of Historic Places (NRHP). The bridge to be replaced, Asset ID 1892, is a prestressed concrete channel beam structure that was constructed in 1952. This bridge was not recorded and evaluated for inclusion on the NRHP because it qualifies for streamlined review under the FHWA's Post-1945 Bridges Program Comment. No historic properties will be affected by this project. No additional cultural resources investigations are recommended.

Effect Determination:	No Historic Properties Affected
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Type 3: Projects that do not fall into Type 1 and Type 2 categories (e.g. road

*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:	Rebecca Shepherd	Review Date:	7/16/2024
Prepared by:	Rebecca Snephero	Review Date:	//16/2

CULTURAL RESOURCE FIELD REPORT

SCDOT ENVIRONMENTAL SECTION



TITLE: Phase I Cultural Resources Survey of Proposed Improvements to the S-37-51 Bridge over Snow Creek

DATE OF RESEARCH: 7/24/23 ARCHAEOLOGIST: Lauren Christian, MA, RPA

ARCHITECTURAL HISTORIAN: Sean Stucker, MHP

COUNTY: Oconee **PROJECT**: Closed and Load Restricted Bridge Replacements- Package 19

<u>F. A. No.:</u> <u>File No.</u> <u>PIN</u>: P041166

DESCRIPTION:

The South Carolina Department of Transportation (SCDOT) proposes to replace various closed or load-restricted bridges including the S-37-51 (Snow Creek Road) bridge over Snow Creek in Oconee County, South Carolina. The project area is defined as that area within 75 feet of either side of the proposed roadway centerline and extending 1,500 feet, centered on the bridge. The archaeological survey covered the entire project area, while the architectural survey examined the Area of Potential Effects (APE), defined as all above-ground resources with sightlines to the bridge. This cultural resource survey was performed under contract with HNTB.

LOCATION:

The project is located along Snow Creek Road (State Road S-37-51) approximately 4.75 miles southwest of the city of Seneca in southern Oconee County, South Carolina (Figure 1).

<u>USGS QUADRANGLE</u>: Seneca, SC, and Fair Play, SC <u>DATE</u>: 2014 <u>SCALE</u>: 1:24000

UTM: NAD83 ZONE: 17N EASTING: 317161 NORTHING: 3833121

ENVIRONMENTAL SETTING:

The project area is situated in the Piedmont physiographic region, which is characterized by rolling hills formed from extensive weathering of ancient mountain ranges. The topography in the project area ranges from 790 feet above mean sea level (amsl) at the north and south terminus to 850 feet amsl in the vicinity of Snow Creek. The surrounding landscape is mostly rural. Vegetation in the southeastern portion consists of pasture, manicured lawn, residential buildings, and mixed pines and hardwoods with a moderate understory.

NEAREST RIVER/STREAM AND DISTANCE:

Snow Creek bisects the project area and flows into Coneross Creek (Hydrological unit code [HUC] 0306010105) approximately 2.5 miles west of the project area. Coneross Creek drains into Lake Hartwell-Seneca River (HUC 0306010108), which is a tributary of the Savannah River (HUC 03060103) approximately 12.5 miles east of Hartwell, Georgia, approximately 21 miles southeast of the project area.

SOIL TYPE:

Soils in the project area were formed from alluvium or residuum weathered from granite, gneiss, and/or diorite. All of the soils in the project area are well-drained. By the early twentieth century, continuous row cropping destroyed soil nutrients, and large tracts of farmland were rendered unsuitable for cultivation. The Natural Resource Conservation Service (NCRS) maps six of the seven soil types in the project area (76.8 percent) as eroded (Table 1; Figure 2).

Table 1. Soils Mapped in the Project Area

Map Unit	Map Name	Drainage Class	Notes	Acres in Project Area	Percent of Project Area
CdD2	Cecil sandy loam	Well Drained	10-15% slopes, eroded	0.6	11.4
HsB2	Hiwassee sandy loam	Well Drained	2–6% slopes, eroded	0.3	5.4
LdB2	Lloyd sandy loam	Well Drained	2–6% slopes, eroded	0.2	4.5
LdC2	Lloyd sandy loam	Well Drained	6–10% slopes, eroded	1.2	23.6
LdD2	Lloyd sandy loam	Well Drained	10–15% slopes, eroded	0.4	7.0
LdE2	Lloyd sandy loam	Well Drained	15–25% slopes, eroded	1.3	24.9
Mv	Riverview-Chewacla complex	Well Drained	0–2% slopes, frequently floods	1.2	23.2
		Total		5.2	100

REFERENCE FOR SOILS INFORMATION:

USDA-NCRS Soil Survey Division, Custom Soil Resource Report (websoilsurvey.sc.egov.usda.gov).

<u>GROUND SURFACE VISIBILITY</u>: 0% __ 1-25% <u>X</u> 26-50% __ 51-75% __ 76-100% __

CURRENT VEGETATION:

The vegetation in the project area primarily consists of mixed pines and hardwoods with a moderately dense understory mostly in the northwest portion and the southern bank of Snow Creek. The northeastern portion primarily contains a large, manicured lawn and the southwest portion consists of an enclosed, overgrown pasture. Additionally, exposed subsoil is present along the northeastern bank of the creek, which shows signs of moderate erosion (Figures 3–5).

INVESTIGATION:

BACKGROUND RESEARCH

New South Associates, Inc. (NSA) conducted background research prior to fieldwork using the ArchSite GIS database maintained by the South Carolina Institute of Archaeology and Anthropology (SCIAA) and the South Carolina Department of Archives and History (SCDAH). The background research indicated that there are no previously recorded cultural resources within the project area or the 0.5-mile search radius, and no cultural resources surveys have been conducted in the vicinity of the project area.

SURVEY RESULTS

The archaeological survey identified no sites or isolated finds within the project area. The architectural survey recorded one new resource with two sub-resources. The results of both the archaeological and architectural surveys are discussed below.

ARCHAEOLOGY

The Phase I Archaeology Survey was conducted on July 24, 2023. Lauren Christian, MA, RPA, served as Field Director and was assisted in the field by Archaeological Technician John Tomko. The archaeological investigation included a pedestrian walkover of the entire project area and the excavation of shovel tests at 30-meter (100-foot)

intervals within the project area. Shovel tests were placed along a single transect parallel to either side of Snow Creek Road (State Road S-37-51). Soil profiles were recorded for all excavated shovel tests, and location data was recorded for all investigated shovel tests using handheld GPS instruments.

Thirty-one shovel test locations were plotted at 30-meter intervals across the project area. All areas were documented by shovel test excavation or by examining exposed subsoil (Figure 6). Along both sides of S-37-51, spotty exposed subsoil could be seen along the entirety of the project area except for the south end, where STs 12 to 23 contained little to no surface visibility.

The general soil profile noted was subsoil on the surface, consisting of 10+ centimeters of reddish brown (5YR 4/4) sandy clay subsoil (Figure 7), while one shovel test consisted of approximately four centimeters of dark reddish brown (5YR 3/4) silty loam Ap horizon overlying a reddish brown (5YR 4/4) sandy clay subsoil (Figure 8). No archaeological sites or isolated finds were identified in the project area.

ARCHITECTURAL SURVEY

On August 31, 2023, Architectural Historian Sean Stucker, MHP, conducted the architectural survey of the APE, which was defined as all above-ground resources 50 years of age or older with sightlines to the bridge. Such resources were documented with South Carolina State Survey forms and photography and assessed for NRHP eligibility in accordance with the South Carolina State Historic Preservation Office (SHPO) Survey Manual: South Carolina Statewide Survey of Historic Places. One architectural resource and two sub-resources were recorded, but the bridge itself, constructed in 1952, was not evaluated per the exemptions associated with the FHWA's Post-1945 Bridges Program Comment (U.S. Department of Transportation, Federal Highway Administration 2012). This bridge (ID 01892) is of a common type, with a substructure comprised of prestressed concrete channel beams and cross-braced wood piers that are embedded into the creek banks, a precast-concrete panel deck structure, and a bituminous decking surface (Figure 9). Newly identified resources are listed in Table 2 and are depicted in Figure 10, and they are discussed below.

Table 2. Newly Recorded Architectural Resources

Site No.	Address	Style/Type	Build Date	NRHP Recommendation
0161	150 Snow Creek Road	Front-gabled bungalow	c. 1945	Not Eligible
0161.01	150 Snow Creek Road	Outbuilding	c. 1950s	Not Eligible
0161.02	150 Snow Creek Road	Garage	c. 1950s	Not Eligible

SHPO Site Numbers 0161-0161.02 – 150 Snow Creek Road

Facing east from its site on the west side of Snow Creek Road and located approximately 400 feet north of the subject bridge over Snow Creek, SHPO Site Number 0161 is a front-gabled bungalow for which Oconee County tax records list a construction date of 1950. However, it is visible in 1947 aerial imagery, but is not represented on the South Carolina Department of Transportation County Road Map for Oconee County from 1939, so the house is assumed to have been built circa 1945 (NETRonline 2023; South Carolina Department of Transportation 1939). The house does not appear to be occupied, and heavy foliage surrounding it during the survey obscured most of both side elevations.

The one-story frame house has a rectangular historic core, a front-gabled composition shingle roof, and what appears to be a three-bay symmetrical façade with a central door flanked by single windows. Much of the façade is obscured by the variety of items that are stored on the front porch. The façade windows and the few that are visible on the side and rear elevations are all three-pane metal awning units, and the top half of the front door has three staggered rectangular panes that resemble the three-pane windows. A gabled roof structure that is stepped down several feet from the main gable and that is supported on square wooden posts covers the front porch. The porch spans most of the façade, and it has a raised, poured concrete surface with a single concrete step centered on the front door. A similar concrete porch is located on the rear, though it is raised higher on a concrete masonry unit (CMU) foundation with

stacked CMUs for steps. This porch is engaged beneath a continuous roofline instead of being sheltered by a separate gable structure, suggesting it may have been added. A one-room shed roof addition that is also on a CMU foundation, and which appears to contain a bathroom (based on the vent stack and room size) is appended to the south end. It is accessed only from the porch. The exterior walls and eaves are clad in vinyl, much of it in failing condition, and the roof is covered in biological growth. An interior brick chimney with an arched brick cap is on the north slope near the rear of the house. The core foundation is not visible (Figure 11).

SHPO Site Numbers 0161.01 and 0161.02 are outbuildings that do not seem to appear in the grainy 1947 aerial imagery, but the house appears to be surrounded by multiple structures in imagery from 1956, so they are assumed to have been built circa 1950s (NETRonline 2023; United States Geological Survey 1956). These outbuildings do not appear to be in active use. A modular home located about 100 feet to the south is the only occupied building on the property. SHPO Site Number 0161.01 is a frame storage outbuilding with a front-gabled raised seam metal roof with exposed rafter tails. Facing east, a single-leaf vertical-board wooden door centered on this primary elevation is held up by a single hinge, but no windows or other openings are visible elsewhere across the three visible elevations (north, south, and east). Although some boards are cracked, and the building is heavily weathered, the flushboard siding is in stable condition overall, including at ground level where it obscures the foundation. The building's original use is unknown (Figure 21). Sited fewer than 10 feet to the south of SHPO Site Number 0161.01, SHPO Site Number 0161.02 is a small frame building with a raised seam metal shed roof that pitches eastward. There are no openings across the three visible elevations (north, south, and east), and, while the building's original use is unknown, its size and design suggest a well or pump house of some sort. The flushboard siding and metal roofing matches that of the neighboring SHPO Site Number 0161.01 (Figure 13).

Although SHPO Site Number 0161 is a circa 1945 front-gabled bungalow, it is not a distinctive or noteworthy example of this commonplace South Carolina house type. Its integrity is, furthermore, impacted by both the additions and the replacement exterior cladding. SHPO Site Number 0161.01 and SHPO Site Number 0161.02 are similarly unnoteworthy examples of common South Carolina building types (rural outbuildings), neither of which appear to function as historically intended or to be in use at all. None of the three buildings were found to embody the distinctive characteristics of a style, period, or method of construction nor to possess significance for their engineering or materials. They are not known to be associated with events or persons significant in the past. Therefore, these resources are recommended as not individually eligible for the NRHP under Criteria A, B, or C.

REMARKS AND RECOMMENDATIONS:

The survey identified no archaeological sites or isolated finds. One new architectural resource and two sub-resources were recorded, but none are recommended as eligible for the NRHP. The proposed project, as currently defined, would have no effects on historic properties.

SIGNATURE: Principal Investigator DATE: April 17, 2024

BIBLIOGRAPHY AND FIGURES

- NETRonline. 2023. NETRonline: Historic Aerials Viewer. *Historic Aerials*. https://www.historicaerials.com/viewer, accessed August 25, 2023.
- South Carolina Department of Transportation. 1939. Oconee County. South Carolina Department of Transportation County Road Maps. United States Federal Highway Administration. University of South Carolina Government Information and Maps Department. University of South Carolina Digital Collections.
- United States Geological Survey. 1956. 1956 Aerial Photo of Pickens County, South Carolina Aerial Photograph. Earth Explorer.
- U.S. Department of Transportation, Federal Highway Administration. 2012. Program Comment for Actions Affecting Post-1945 Concrete and Steel Bridges. Advisory Council on Historic Preservation, Washington, D.C.

Figure 1: Project Location Map

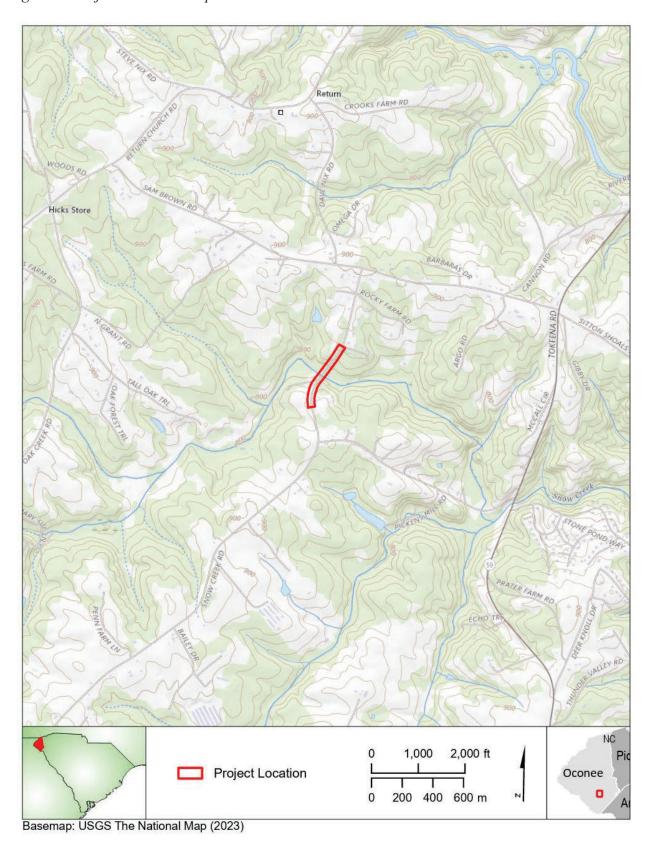
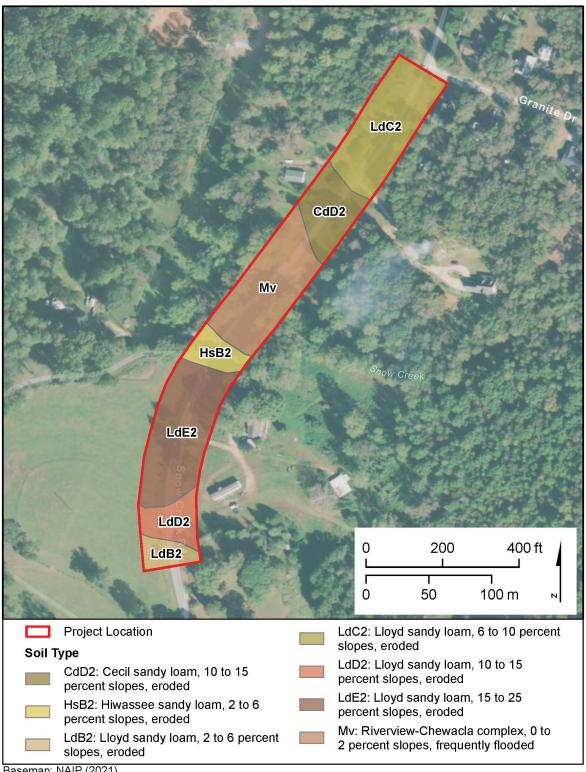


Figure 2: Soils Mapped in the Project Area



Basemap: NAIP (2021)

Figure 3: Wooded Portion of Project Area (Looking South)



Figure 4: Pasture in Southwest Portion of Project Area



Figure 5: Manicured Landscape in Northeast Portion of Project Area and Vegetation along Creek Banks (Looking North)



Figure 6: Shovel Tests Results Map

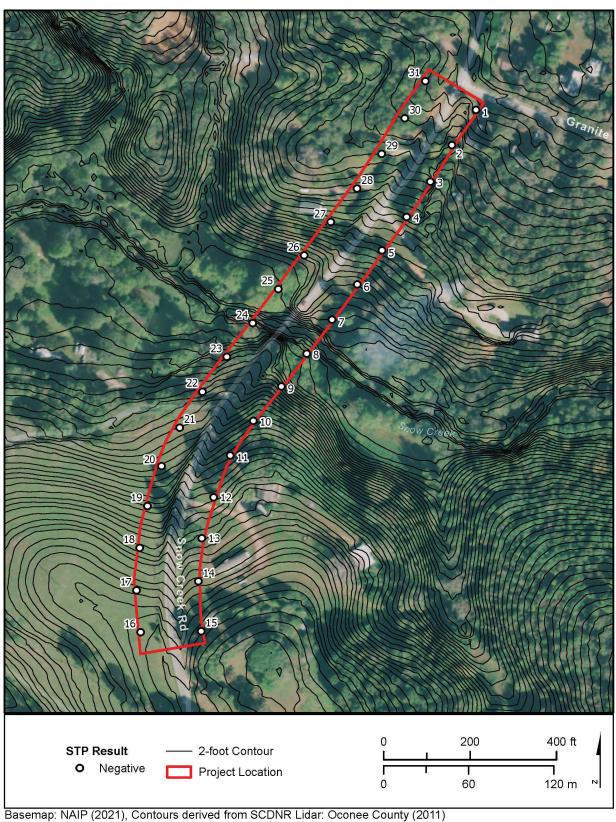


Figure 7: Soil Profile of STP 28 (Looking North)



Figure 8: Soil Profile of STP 16 (Looking North)



Figure 9: S-37-51 Bridge over Snow Creek, Built 1952 and Not Assessed (Looking Northwest)



Figure 10: Newly Recorded Cultural Resources Map



Basemap: NAIP (2021)

Figure 11: SHPO Site Number 0161 – 150 Snow Creek Road



a. Oblique, Looking Southwest



b. Façade, Looking West



c. Rear Oblique, Looking Southeast



d. Roof Detail, Looking South

Figure 12: SHPO Site Number 0161.01 – 150 Snow Creek Road



a. Façade, Looking West



b. Oblique, Looking Southwest



c. Oblique with both Outbuildings, Looking Northwest

Figure 13: SHPO Site Number 0161.02 – 150 Snow Creek Road



a. Oblique, Looking Southwest



b. Oblique, Looking Northwest

Attachment B- Natural Resources Technical Memorandum



Natural Resources Technical Memorandum

S-51 (Snow Creek Road) Bridge Replacement over Snow Creek

SCDOT Project ID: P041166



Introduction

The South Carolina Department of Transportation (SCDOT) proposes to replace the S-51 bridge over Snow Creek in Oconee County, South Carolina. Specifically, the project is located in an unincorporated area, approximately 1.2 miles south of the City of Seneca. The project lies within the Seneca River Watershed (03060101 8-digit Hydrologic Unit Code) and the 45b Southern Outer Piedmont Level IV Ecoregion. Please see Attachment A, Figure 1 for a Site Location Map.

A Project Study Area (PSA) has been established, based on preliminary design, to encompass all potential impacts of the project. The PSA encompasses an area approximately 5.18 acres in size and approximately 1,500 feet (0.28 mile) in total length, generally centered on Snow Creek in either direction. Furthermore, the PSA is 150 feet in total width, generally centered on the centerline of Snow Creek Road.

Robbins & DeWitt conducted a desktop analysis, scientific literature review, and field surveys for natural resources associated with the proposed bridge replacement. This technical memorandum provides a summary of methods and findings related to natural resources and potential project related impacts. Attached to this memorandum are supporting figures, a SCDOT Permit Determination Form, South Carolina Department of Health and Environmental Control (SCDHEC) Watershed and Water Quality Information Report, and a biological evaluation for federally protected species.

Desktop Analysis Methods

A desktop analysis was completed as part of an initial evaluation of the PSA to identify key environmental resources to be considered for permitting and/or avoidance and minimization by the design team. The potential resources identified in the desktop evaluation were field verified by Robbins & DeWitt to ensure that critical regulatory items would not be adversely impacted by the project. The following resources were consulted during the desktop analysis:

- Federal Emergency Management Agency (FEMA) Map Service Center (https://msc.fema.gov/portal)
- SCDHEC Watershed Atlas (https://gis.dhec.sc.gov/watersheds)
- South Carolina Department of Natural Resources (SCDNR) and South Carolina Natural Heritage Program (SCNHP) (https://schtportal.dnr.sc.gov/portal/apps/sites/#/natural-heritage-program)
- SCDNR Digital Elevation Mapping (DEM) and Light Detection and Ranging (LiDAR) (https://www.dnr.sc.gov/GIS/lidar.html)
- SCDNR Open Source Geospatial Data (https://data-scdnr.opendata.arcgis.com/)
- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (https://websoilsurvey.nrcs.usda.gov/app/)
- U.S. Fish and Wildlife Services (USFWS) Environmental Conservation Online System (ECOS) (https://ecos.fws.gov/ecp/)
- USFWS Information for Planning and Consultation (IPaC) (https://ecos.fws.gov/ipac/)
- USFWS National Wetland Inventory (NWI) (http://www.fws.gov/wetlands)
- U.S. Geological Survey (USGS) National Hydrography Dataset (NHD) (http://nhd.usgs.gov/)
- USGS Topographic Quadrangle Maps (1:24,000-scale) Fair Play, SC Quadrangle

Jurisdictional Waters of the U.S.

After completing the desktop analysis, Robbins & DeWitt performed field reviews to determine the boundaries of jurisdictional waters of the U.S., including wetlands, in the PSA. Field reviews were conducted on July 19, 2023, and January 18, 2024. A summary of jurisdictional features identified in the PSA is provided in Table 1.

Table 1 - Summary of Delineated Streams and Non-Wetland Waters in the Project Study Area

Stream	Latitude	Longitude	Centerline Length (feet)	Area (acre)
Stream A	34.6234947	-82.9945363	157	0.08
Total			157 feet	0.08 acres

Permitting Considerations

Based on the conceptual bridge design, impacts to jurisdictional waters have been avoided; therefore, a Section 404/401 permit is not anticipated. A completed SCDOT Permit Determination Form and SCDHEC Watershed and Water Quality Information Report are provided in Attachment B.

Federally Protected Species

Environmental scientists performed literature and field reviews to determine the likelihood of protected species within the PSA and the potential for project-related impacts. Field reviews were conducted on July 19, 2023, and January 18, 2024. The SCDNR South Carolina Natural Heritage Species Viewer was also reviewed to determine the presence of known populations of protected species within the vicinity of the project. Based on the literature and field reviews it is determined that the proposed project will have a biological conclusion of 'no effect' on federally protected species. A Biological Evaluation is provided in Attachment C.

Migratory Birds

Certain bird species are protected under the Migratory Bird Treaty Act of 1918. The USFWS IPaC online database was reviewed for information pertaining to migratory bird species. Migratory birds were observed nesting on the existing bridge.

Vegetation

Land use in the PSA includes undeveloped lands and residential housing. The only vegetative community observed within the PSA is a small stream forest. Refer to the Biotic Communities section in Attachment C for a detailed description of vegetation observed in the PSA.

Soils

According to the (USDA-NRCS) Soil Survey Geographic (SSURGO) data, 7 Soil Map Units (SMU) are mapped within the PSA. Each SMU IS included in Table 2 below.

Table 2 - Soil Map Units (SMU) in the Project Study Area

SMU	SMU Name	Area (acres)	Percentage of PSA
CdD2	Cecil sandy loam, 10 to 15 percent slopes, eroded	0.6	11.4%
HsB2	Hiwassee sandy loam, 2 to 6 percent slopes, eroded	0.3	5.4%
LdB2	Lloyd sandy loam, 2 to 6 percent slopes, eroded	0.2	4.5%
LdC2	Lloyd sandy loam, 6 to 10 percent slopes, eroded	1.2	23.7%
LdD2	Lloyd sandy loam, 10 to 15 percent slopes, eroded	0.4	7.0%
LdE2	Lloyd sandy loam, 15 to 25 percent slopes, eroded	1.3	24.7%
Mv	Riverview-Chewacla complex, 0 to 2 percent slopes, frequently flooded	1.2	23.1%

If you have any questions, or if Robbins & DeWitt can be of additional assistance, please feel free to contact Matt DeWitt at (864) 201-8446 or matt.dewitt@robbins-dewitt.com.

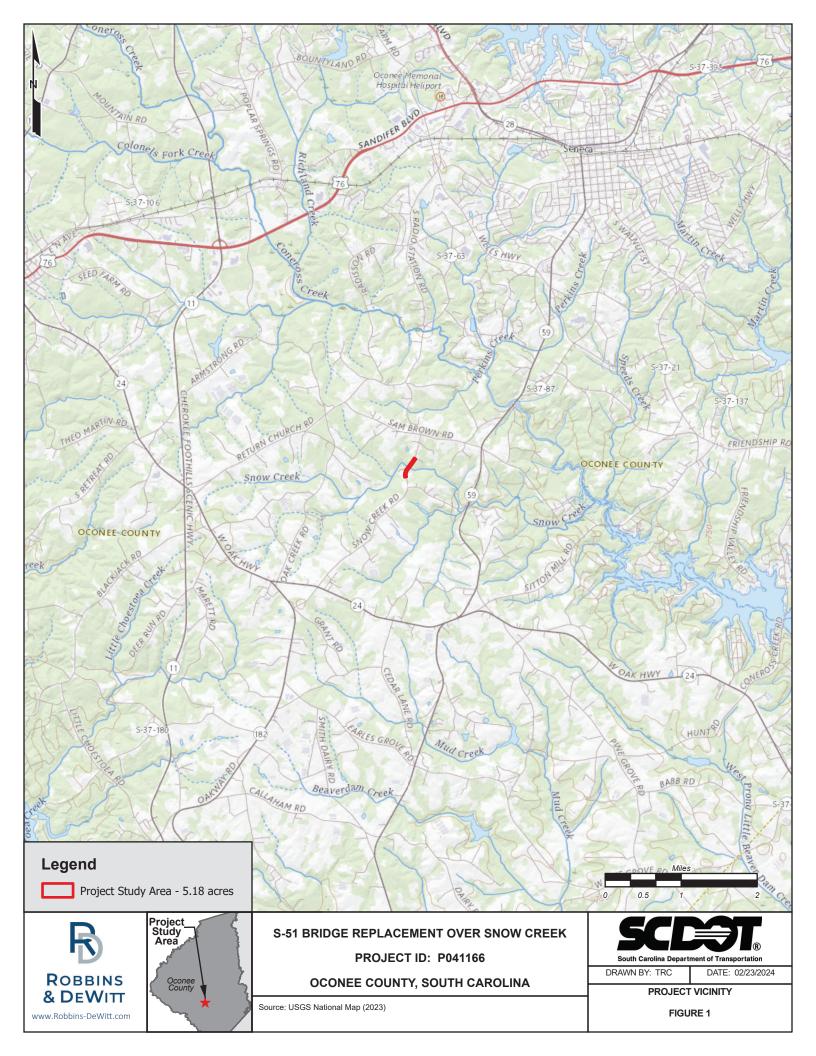
Respectfully Submitted

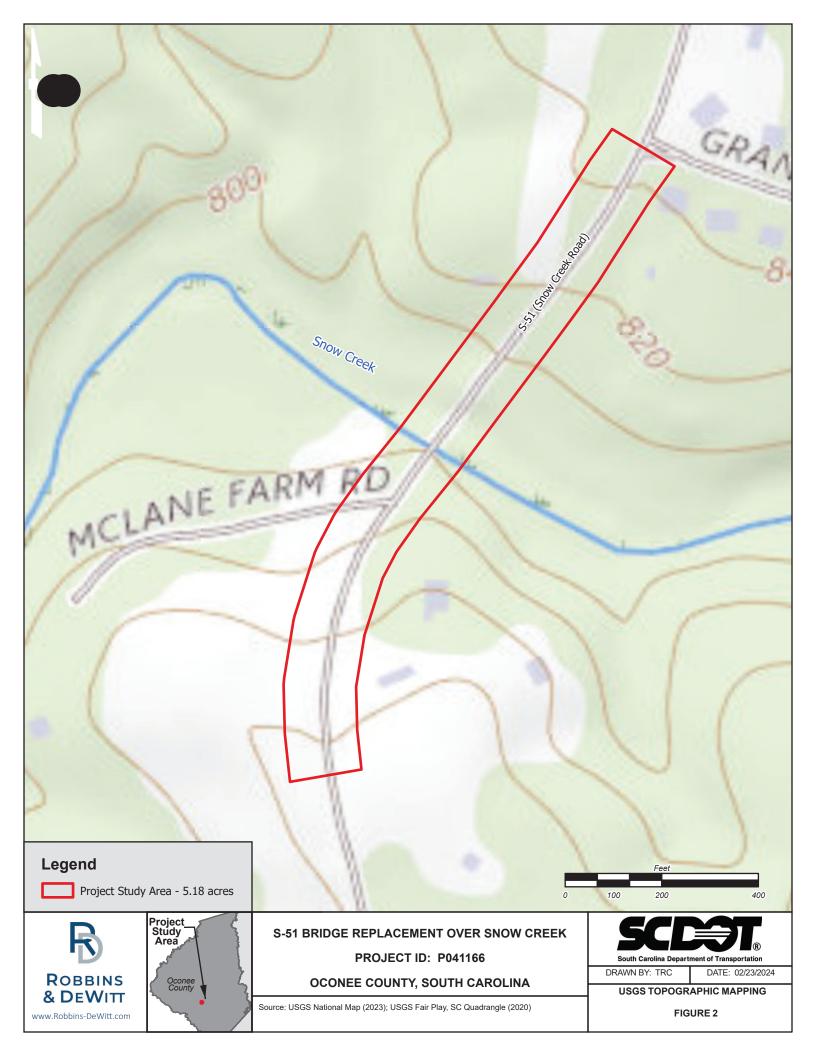
Matt DeWitt, AICP Robbins & DeWitt, LLC

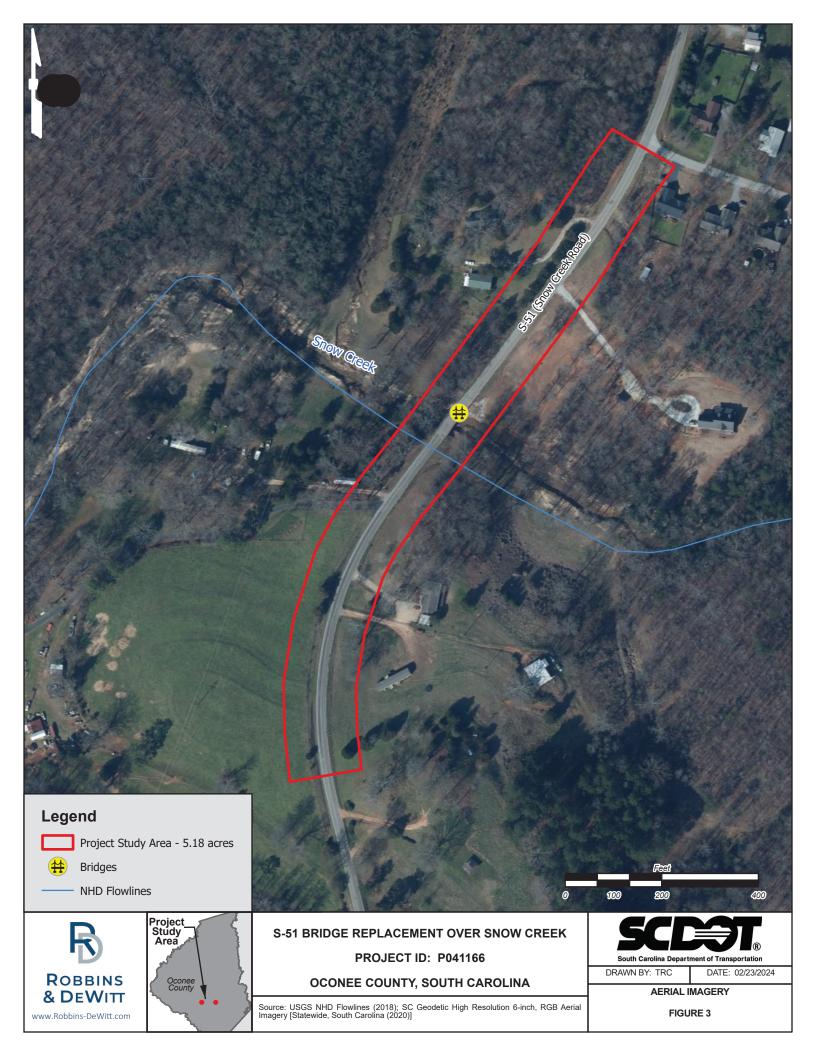
Attachment A

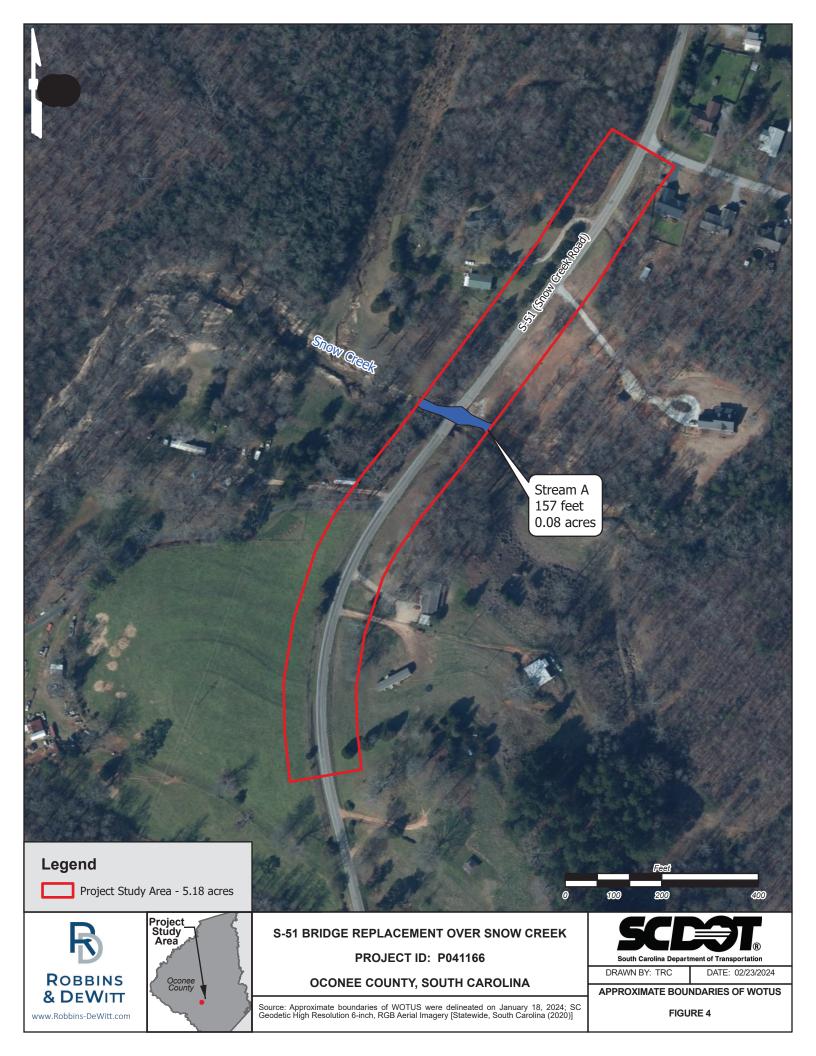
Figures











Attachment B

SCDOT Permit Determination Form & Water Quality Information Report



PERMIT DETERMINATION

Date: Jan 24, 2025	Project ID: P041166
From:Matt DeWitt	_Company:Robbins & DeWitt
Contact Info (phone and/or email): matt.dewitte	@robbins-dewitt.com
Permit Manager: Will McGoldrick - Alternative	e Delivery Coordinator
Project Name: S-51 over Snow Creek	
County: Oconee	(Optional) Structure #:
STUDY AREA: Does there appear to be WOTUS in the	study area? • YES O NO
PERMIT TYPE: It has been determined that no permit is re-	aguired because
Based on the conceptual bridge design, impacts to juris	
The following permit(s) is/are necessary: (Please check which type(s) of permit the USACE Permit GP IP	he project will need) NWP CAP GP SCG
408 PROJECT INFO:	
Is it within a 408 Project: \(\text{YES} \)	NO
408 Project Name:	
MITIGATION: Mitigation Bank: Mitigation Bank N	O ame: Big Generostee Creek Mitigation Bank
Comments:	
is a preliminary determination and is subject to	t recently available information at the time. This change if the design of the project is modified. 02/13/2025 st, SCDOT/Consultant Date

Revised 04/2024



Watershed and Water Quality Information

Monitoring Station: SV-236

SC Department of Environmental Services

General Information

Applicant Name: SCDOT Permit Type: Construction

Address: 158 SNOW CREEK RD, SENECA, SC, 29678 Latitude/Longitude: 34.623493 / -82.994632

MS4 Designation: Not in designated area

Within Coastal Critical Area: No Water Classification (Provisional): FW

Waterbody Name: SNOW CREEK Entered Waterbody Name:

Parameter Description

NH3N Ammonia CD CR Chromium Cadmium Mercury CU Copper HG NI Nickel ΡВ Lead ΖN Zinc DO

PB Lead ZN Zinc DO Dissolved Oxygen
PH pH TURBIDITY Turbidity ECOLI Escherichia coli (Freshwaters)

FC Fecal Coliform (Shellfish) BIO Macroinvertebrates (Bio) TP (Lakes) Phosphorus

TN (Lakes) Nitrogen CHLA (Lakes) Chlorophyll a ENTERO Enterococcus (Coastal Waters)
HGF Mercury (Fish Tissue) PCB PCB (Fish)

Impaired Status (downstream sites)

Station	NH3N	CD	CR	CU	HG	NI	РВ	ZN	DO	PH	TURBIDITY	ECOLI	FC	BIO	TP	TN	CHLA	ENTERO	HGF	РСВ
SV-236	Х	F	F	F	F	F	F	F	F	F	F	F	Х	Х	F	F	F	Х	Х	Х
SV-799	Х	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Х	Х	Α	Α	Α	Х	N	N
RL-19179	Х	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Х	Х	Α	Α	Α	Х	Α	Α
SV-339	Х	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Х	Х	Α	Α	Α	Х	Α	Α
RL-17065	Х	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Х	Х	Α	Α	Α	Х	Α	Α
SV-340	Х	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Х	Х	Α	Α	Α	Х	Α	Α
RL-20191	Х	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Х	Х	Α	Α	Α	Х	Α	Α
SV-642	Х	Δ	Δ	Δ	Δ	Δ	Δ	Α	Δ	Δ	Δ	Δ	Х	Х	Δ	Δ	Δ	χ	Δ	Δ

F = Standards full supported N = Standards not supported A = Assessed at upstream station X = Parameter not assessed at station WnTN = Within TMDL, parameter not supported InTN = In TMDL, parameter not supported

WnTF = Within TMDL, parameter full supported InTF = In TMDL, parameter full supported

Parameters to be addressed (those not supporting standards)

Fish Consumption Advisory

HGF - Mercury (Fish Tissue)

PCB - PCB (Fish)

Waters of Concern (WOC)

TMDL Information - TMDL Parameters to be addressed

In TMDL Watershed: No TMDL Report No: TMDL Document Link: TMDL Site: TMDL Parameter:

Report Date: January 24, 2025

Attachment C

Biological Evaluation - Section 7 of the Endangered Species Act



Introduction

The proposed project consists of replacing the S-51 (Snow Creek Road) bridge over Snow Creek, and associated road work, in Oconee County, South Carolina.

Pursuant to Section 7 of the Endangered Species Act (ESA), a field survey was conducted within the Project Study Area (PSA) for the project. A Resource List was also requested from the USFWS Information for Planning and Consultation (IPaC) in January 2025 to detail protected species under USFWS jurisdiction that are known or expected to be on or near the project area. Table 1 below includes the species that appear on this resource.

Federally Protected Species

Species with the federal classification of Endangered (E) or Threatened (T) or Threatened due to Similarity of Appearance (T [S/A]) are protected under the ESA of 1973, as amended (16 U.S.C. 1531 et seg.). Although Section 7 of the ESA does not provide protections for Candidate species, they are listed in Table 1 in the event of a status changes prior to completion of the project. Additionally, species that are proposed for listing are not subject to Section 7 compliance until the time they are formally listed. The bald eagle is protected by the Bald and Golden Eagle Protection Act (BGEPA) and is included in this evaluation.

T 11 4	- 1	- 1			
Table 1.	Threatened	and	Endana	orpd	Sheries
TUDIC 1.	IIIICULCIICU	ullu	LIIGUIIG	-1 CU .	Species

Category	Common Name	Scientific Name	Protection Status
Bird	Bald eagle	Haliaeetus leucocephalus	BGEPA
Insect	Monarch butterfly	Danaus plexippus	Proposed Threatened
Flowering Plant	Small Whorled Pogonia	Isotria medeoloides	Threatened
Flowering Plant	Dwarf-flowered Heartleaf	Hexastylis naniflora	Threatened

Methodology

Environmental scientists performed literature and field reviews to determine the likelihood of protected species within the PSA and the potential for project-related impacts. Field reviews were conducted on July 19, 2023, and January 18, 2024. The SCDNR South Carolina Natural Heritage Species Viewer was also reviewed to determine the presence of known populations of protected species within the vicinity of the project.

Biotic Communities

Land use in the PSA is composed of undeveloped lands and residential housing. The only vegetative community observed within the PSA is a small stream forest. Invasive kudzu (Pueraria montana) was also observed in the PSA, primarily along the banks of Snow Creek and its riparian zone.

The small stream forest consists of an open to dense understory or shrub layer and a sparse to dense herb layer. The canopy has a mixture of bottomland and mesophytic trees including river birch (Betula nigra), sycamore (Platanus occidentalis), sweetgum (Liquidambar styraciflua), tulip poplar (Liriodendron tulipifera), American elm (Ulmus americana), hackberry (Celtis laevigata), green ash (Fraxinus pennsylvanica), and red maple (Acer rubrum). Vine species are typically common and can include poison ivy (Toxicodendron radicans), summer grape (Vitis aestivalis), and crossvine (Bignonia capreolata). The subcanopy consists of young canopy species and many tall shrubs including pawpaw (Asimina triloba) and blackhaw (V. prunifolium). The herb layer contains cardinal flower (Lobelia cardinalis), longleaf lobelia (L. elongata), Nepalese browntop (Microstegium vimineum), netted chainfern (Woodwardia areolatea), royal fern (Osmunda regalis), and eastern marsh fern (Thelypteris palustris).

Results

The SCDNR South Carolina Natural Heritage Species Viewer does not identify any known occurrences of federally protected species within the PSA or within a one-mile radius of the PSA.

Field reviews of the PSA found no suitable habitat for small whorled pogonia, or bald eagle. Invasive kudzu (Pueraria montana) dominates the banks of Snow Creek and adjacent riparian zone, eliminating any potential habitat for dwarf-flowered heartleaf. Additionally, no individuals of protected species were identified during field review.

Conclusions

Based on desktop review for known occurrences and field surveys, the project will have a biological conclusion of 'no effect' on small whorled pogonia or dwarf-flowered heartleaf.

Effect conclusions for the bald eagle are not required under the Endangered Species Act. However, the project is not anticipated to result in the mortality of any bald eagles or limit the ability of the species to adequately breed, feed, or shelter.

If you have any questions, or if Robbins & DeWitt can be of additional assistance, please feel free to contact Matt DeWitt at (864) 201-8446 or matt.dewitt@robbins-dewitt.com.

Respectfully Submitted

Matt DeWitt, AICP Robbins & DeWitt, LLC

Attachment D

Biological Assessment Attachments



IPaC U.S. Fish & Wildlife Service

IPaC resource list

However, determining the likeliho

Please note that the Federal Highways Programmatic Consultation for This report is an automatically ge Transportation Projects affecting NLEB or Indiana Bat Determination Key U.S. Fish and Wildlife Service's (US is temporarily offline for updates and will be available soon. We apologize include trust resources that occur for any inconvenience this may cause.

to as trust resources) under the iced below. The list may also by activities in the project area. ring additional site-specific (e.g.,

×

vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Oconee County, South Carolina



Local office

South Carolina Ecological Services

(843) 727-4707

(843) 727-4218

176 Croghan Spur Road, Suite 200 Charleston, SC 29407-7558

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

- 1. Draw the project location and click CONTINUE.
- 2. Click DEFINE PROJECT.
- 3. Log in (if directed to do so).
- 4. Provide a name and description for your project.
- 5. Click REQUEST SPECIES LIST.

Listed species and their critical habitats are managed by the <u>Ecological Services Program</u> of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact <u>NOAA Fisheries</u> for <u>species under their jurisdiction</u>.

- 1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
- 2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus	Proposed Threatened
Wherever found	
There is proposed critical habitat for this species. Your location does not overlap the critical habitat.	
https://ecos.fws.gov/ecp/species/9743	
Flowering Plants	
,	STATUS
NAME	STATUS
Small Whorled Pogonia Isotria medeoloides	Threatened
No critical habitat has been designated for this species.	
https://ecos.fws.gov/ecp/species/1890	
Smooth Coneflower Echinacea laevigata	Threatened
Wherever found	
No critical habitat has been designated for this species.	
https://ecos.fws.gov/ecp/species/3473	
11ctps.//ecos.tws.8ov/eep/species/5-7/5	

CTATLIC

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act 2 and the Migratory Bird Treaty Act (MBTA) 1 . Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The <u>data</u> in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the <u>Supplemental Information on Migratory Birds and Eagles document</u> to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

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-incidental-take-migratory-birds
- Nationwide avoidance and minimization 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

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the <u>Avian Knowledge Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey, banding, and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle (<u>Bald and Golden Eagle Protection Act</u> requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate 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.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.

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-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds
- 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

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases <u>birds of concern</u>, including <u>Birds of Conservation Concern (BCC)</u>, in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the <u>Nationwide avoidance and minimization measures for birds</u> document, and any other project-specific avoidance and minimization measures suggested at the link <u>Measures for avoiding and minimizing impacts to birds</u> for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the <u>Supplemental Information on Migratory Birds and Eagles document</u>, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

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.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Chimney Swift Chaetura pelagica This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Chuck-will's-widow Antrostomus carolinensis This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 10 to Jul 10
Prairie Warbler Setophaga discolor This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Red-headed Woodpecker Melanerpes erythrocephalus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

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 (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

- 1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
- 2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee

- is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
- 3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (=)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (I)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (-)

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

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Avoidance & Minimization Measures for Birds describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the Bald and Golden Eagle Protection Act and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the <u>Avian Knowledge Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey, banding, and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle (<u>Bald and Golden Eagle Protection Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the Rapid Avian Information Locator (RAIL) Tool.

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the <u>Avian Knowledge Network (AKN)</u>. This data is derived from a growing collection of <u>survey, banding, and citizen science datasets</u>.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list),

there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

- 1. "BCC Rangewide" birds are <u>Birds of Conservation Concern</u> (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
- 2. "BCC BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
- 3. "Non-BCC Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the <u>Bald and Golden Eagle Protection Act</u> requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or odata bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate 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.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the <u>National Wildlife Refuge</u> 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 at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to <u>NWI wetlands</u> 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>U.S. Army Corps of Engineers District</u>.

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.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

PFO1A

A full description for each wetland code can be found at the National Wetlands Inventory website

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



Photograph 1

Date: 07/19/2023

Taken By: Amanda Chandler

S-51 bridge from Snow Creek, facing west East of S-51



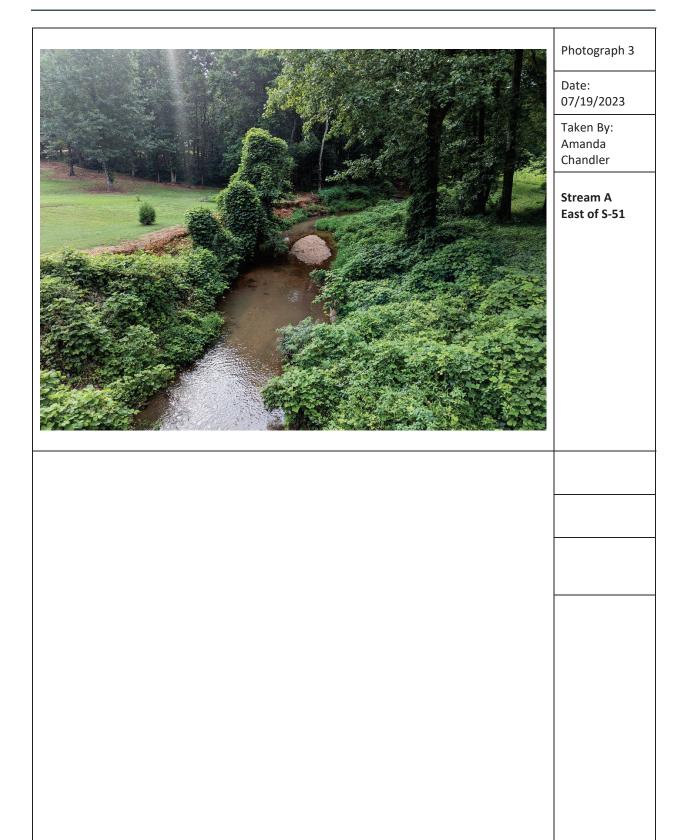
Photograph 2

Date: 07/19/2023

Taken By: Amanda Chandler

Stream A West of S-51







Attachment C- Bridge Replacement Scoping Risk Assessment Form

COUNTY:	Oconee		DATE: <u>02/04/2025</u>
ROAD #:	S-51	STREAM CROSSING:	Snow Creek
Purpose 8	and restore a	Project: of the project is to correct the load res Il components to good condition. The ns and has one or more components i	existing bridge is posted for
	Acknowledge	ment ated in a regulated FEMA Floodway?	☐Yes ☒ No
		45073C0430C Effective Date:	09/11/2009 (See Attached)
	Passes unde Is in contact v	vestigation file Sheet Number <u>N/A</u> illustrate r the existing low chord elevation. with the existing low chord elevation. existing bridge finished grade elevation	, , , , , , , , , , , , , , , , , , ,
_	Preliminary a "No-Rise" red this assessm	eliminary Determination ssessment indicates this project may lauirements. A detailed hydraulic analysent. Bridge is located in FEMA Zone AE was Preliminary analysis indicates the proschool criteria for determine a finding	rithout a floodway established.
		ssessmnet indicates this project may i be determined by a detailed hydraulic a	·
	Justification:		

IV. Preliminary Bridge Assessment A. Locate Existing Plans a. Bridge Plans File No. 37.341.1 Sheet No. 11 (See Attached) Yes No File No. 37.341 Sheet No. 11 (See Attached) b. Road Plans ✓ Yes No B. Historical Highwater Data Gage No. Results: a. USGS Gage Yes No b. SCDOT/USGS Documented Highwater Elevations ✓ Yes Results: 770.6' No c. Existing Plans Yes See Above No V. Field Review A. Existing Bridge 90 ft. Width: 25.9 ft. Max. span Length: 30 ft. Length: Bridge Skewed: Yes V No Angle: End Abutment Type: Spill Through Riprap on End Fills: Yes No Condition: Superstructure Type: Concrete Deck with 2" Asphalt Overlay Substructure Type: RC Caps with Timber Piles **Utilities Present:** ✓ Yes No Describe: 1-1/4" Pipe at cap level on upstream side. Debris Accumulation on Bridge: Percent Blocked Horizontally: <5 % Percent Blocked Vertically: Hydraulic Problems: ✓ No Yes Describe:

Field Review (cont.)
B. Hydraulic Features a. Scour Present: ☐ Yes ✔ No Location:
b. Distance from F.G. to Normal Water Elevation: c. Distance from Low Steel to Normal Water Elev.: d. Distance from F.G. to High Water Elevation: e. Distance from Low Steel to High Water Elev.: -0.36 ft. -2.24 ft.
f. Channel Banks Stable: Yes Describe: General condition of banks are stable with minor erosion/scour.
g. Soil Type: <u>Sand / Gravel</u>
h. Exposed Rock: Yes V No Location:
 i. Give Description and Location of any structures or other property that could be damaged due to additional backwater. The majority of the adjacent land is undeveloped or pasture. Sparse residential properties flank the creek immediately upstream of the road crossing.
C. Existing Roadway Geometry a. Can the existing roadway be closed for an On-Alignment Bridge Replacement
Yes No Describe:
An adequate detour route is available.
If "yes", does the existing vertical and horizontal curves meet the proposed design speed criteria?
Yes
If "No", will the proposed bridge be: Staged Constructed Replaced on New Alignment

- VI. Field Review (cont.)
- A. Proposed Bridge Recommendation:

Length:	100 ft.	Width:	25.9 ft.	Elevation:	811.06 ft.

Span Arangement: Single span

Notes: <u>Proposed minimum low chord elevation is 811.06'</u>. <u>Proposed minimum profile/deck elevation is 814.31</u>. <u>Proposed 39" deep box beam superstructure with asphalt surface course</u>.

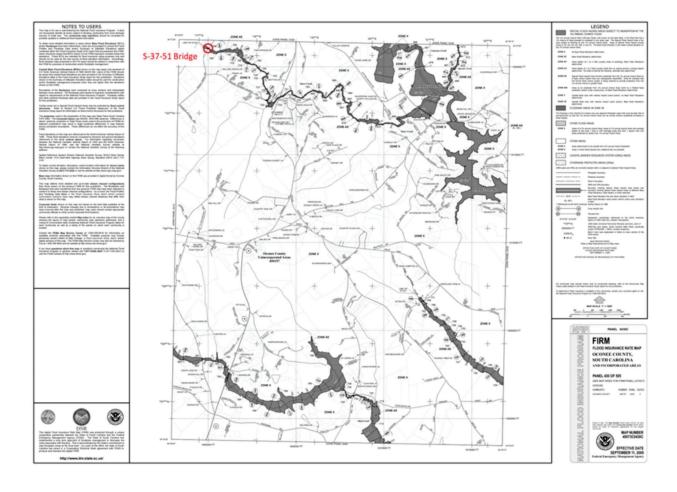
BRIDGE SITE DIAGRAM: (Show North Arrow and Direction of Flow)



Performed By: Hassan Ismail

Title: Project Manager

Page 4 of 4





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.

PROJECT DESCRIPTION

The purpose of the project is to correct the load restriction placed on the bridge and restore all components to good condition. The existing bridge is posted for load restrictions and has one or more components in poor condition.

- 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:

Roadway improvements are limited to those associated with accommodating the new structure.

The project crosses Snow Creek which is shown on the Flood Insurance Rate Map (FIRM) Panel 073C0430C. Snow Creek is within a designated Special Flood Hazard Area Zone AE in the vicinity of the Project. The project is not expected to be a significant or longitudinal encroachment as defined under 23 CFR 650A, nor is it expected to have an appreciable environmental impact on the base flood elevation. In addition, the project would be developed to comply with all appropriate floodplain regulations and guidelines.

В.	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?
	The roadway grade will be raised to accommodate the larger bridge structure.

E.		cable, please discuss the practicability of alternatives to any longitudinal chments.
		longitudinal encroachments are expected based on the revised roadway profile idge will be constructed on existing alignment to reduce longitudinal impacts.
F.	risk or e	include a discussion of the following: commensurate with the significance of the environmental impact for all alternatives containing encroachments and those which would support base floodplain development: What are the risks associated with implementation of the action?
		Risks are minimal; the project will replace the existing bridge with larger bridge opening. The increased opening will have a minimal impact on the BFE's along the floodplain.
	b.	What are the impacts on the natural and beneficial floodplain values?
		The project is not expected to impact the floodplain values, as the hydraulics will be retained/improved.
	C.	What measures were used to minimize floodplain impacts associated with the action?
		A similar bridge size will be used and constructed on the existing alignment.
	d.	Were any measures used to restore and preserve the natural and beneficial floodplain values impacted by the action?
		Not Applicable

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

The impacts are not considered significant encroachments and would not support incompatible floodplain development. The proposed project will have no significant impact to base flood elevations along the stream and will not impact the potential for development within the floodplain

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 was performed in accordance with SCDOT, FEMA, and local regulations.

As the project progresses to final construction plans, the hydraulic modeling will be updated based on the final bridge layout

Janes 4 February 2025 .

SCDOT Hydraulic Engineer

Date

Attachment E- Public Comments and Responses

Date	Full	Comment	Response
Received	Name		
1/31/2025 Susan	Susan	Thank you, for the consideration of the replacement of our	Thank you for your comment on the proposed replacement of the S-37-51
8:24	Head	bridge. We've lived here at 160 for over 35 years and have	bridge on Snow Creek Road in Oconee County, SC. Your feedback has been
		noticed the deterioration of the bridge. With all of the new	reviewed and logged in the project record. We appreciate your input and
		homes and new school it is needed! The amount of traffic has	engagement in this important project.
		increased dramatically. So thanks again!	

From: PITTS, MICHAEL, E.

To: eyesseeitall@gmail.com

 Cc:
 MCGOLDRICK, WILLIAM, R.; Robert Flagler; Nicole Weirich

 Subject:
 SCDOT Bridge Package 21 - Public Comment Response

Date: Tuesday, March 11, 2025 12:38:50 PM

External Email: Use caution when clicking on links, replying, or opening attachments.

Good Afternoon -

Thank you for your comment on the proposed replacement of the S-37-51 bridge on Snow Creek Road in Oconee County, SC. Your feedback and support is appreciated.

Thank you,



Michael Pitts, PE, Assoc. DBIA

Office of Alternative Delivery

P 803-737-2566 E pittsme@scdot.org

South Carolina Department of Transportation 955 Park Street, P.O. Box 191, Columbia, SC 29202-0191