

Joint Federal and State Application Form For Activities Affecting Waters of the United States Or Critical Areas of the State of South Carolina	This Space for Official Use Only Application No. _____ Date Received _____ Project Manager _____ Watershed # _____
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Authorities: 33 USC 401, 33 USC 403, 33 USC 407, 33 USC 408, 33 USC 1341, 33 USC 1344, 33 USC 1413 and Section 48-39-10 et. Seq of the South Carolina Code of Laws. These laws require permits for activities in, or affecting, navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. The Corps of Engineers and the State of South Carolina have established a joint application process for activities requiring both Federal and State review or approval. Under this joint process, you may use this form, together with the required drawings and supporting information, to apply for both the Federal and/or State permit(s).

Drawings and Supplemental Information Requirements: In addition to the information on this form, you must submit a set of drawings and, in some cases, additional information. A completed application form together with all required drawings and supplemental information is required before an application can be considered complete. See the attached instruction sheets for details regarding these requirements. You may attach additional sheets if necessary to provide complete information.

1. Applicant Last Name:		11. Agent Last Name (agent is not required):	
2. Applicant First Name:		12. Agent First Name:	
3. Applicant Company Name:		13. Agent Company Name:	
4. Applicant Mailing Address:		14. Agent Mailing Address:	
5. Applicant City:		15. Agent City:	
6. Applicant State:	7. Applicant Zip:	16. Agent State:	17. Agent Zip:
8. Applicant Area Code and Phone No.:		18. Agent Area Code and Phone No.:	
9. Applicant Fax No.:		19. Agent Fax No.:	
10. Applicant E-mail:		20. Agent E-mail:	
21. Project Name:		22. Project Street Address:	
23. Project City:	24. Project County:	25. Project Zip Code:	26. Nearest Waterbody:
27. Tax Parcel ID:		28. Property Size (acres):	
29. Latitude:		30. Longitude:	

31. Directions to Project Site (Include Street Numbers, Street Names, and Landmarks and attach additional sheet if necessary):

32. Description of the Overall Project and of Each Activity in or Affecting U.S. Waters or State Critical Areas (attach additional sheets if needed)

33. Overall Project Purpose and the Basic Purpose of Each Activity In or Affecting U.S. Waters (attach additional sheets if needed):

<p>34. Type and quantity of Materials to Be Discharged</p> <p>Dirt or Topsoil: _____ <input type="checkbox"/> cubic yards</p> <p>Clean Sand: _____ <input type="checkbox"/> cubic yards</p> <p>Mud: _____ <input type="checkbox"/> cubic yards</p> <p>Clay: _____ <input type="checkbox"/> cubic yards</p> <p>Gravel, Rock, or Stone: _____ <input type="checkbox"/> cubic yards</p> <p>Concrete: _____ <input type="checkbox"/> cubic yards</p> <p>Other (describe): _____ <input type="checkbox"/> cubic yards</p> <p>TOTAL: _____ cubic yards</p>	<p>35. Type and Quantity of Impacts to U.S. Waters (including wetlands).</p> <p>Filling: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>Backfill & Bedding: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>Landclearing: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>Dredging: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>Flooding: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>Draining/Excavation: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>Shading: _____ <input type="checkbox"/> acres <input type="checkbox"/> sq.ft. _____ <input type="checkbox"/> cubic yards</p> <p>TOTALS: _____ acres _____ sq.ft. _____ cubic yards</p>
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36. Individually list wetland impacts including mechanized clearing, fill, excavation, flooding, draining, shading, etc. and attach a site map with location of each impact (attach additional sheets if needed).

Impact No.	Wetland Type	Distance to Receiving Water body (LF)	Purpose of Impact (road crossing, impoundment, flooding, etc)	Impact Size (acres)
Total Wetland Impacts (acres)				

37. Individually list all seasonal and perennial stream impacts and attach a site map with location of each impact (attach additional sheets)

Impact No.	Seasonal or Perennial Flow	Average Stream Width (LF)	Impact Type (road crossing, impoundment, flooding, etc)	Impact Length (LF)
Total Stream Impacts (Linear Feet)				

38. Have you commenced work on the project site? YES NO If yes, describe all work that has occurred and provide dates.

39. Describe measures taken to avoid and minimize impacts to Waters of the United States:

40. Provide a brief description of the proposed mitigation plan to compensate for impacts to aquatic resources or provide justification as to why mitigation should not be required (Attach a copy of the proposed mitigation plan for review).

41. See the attached sheet to list the names and addresses of adjacent property owners.

42. List all Corps Permit Authorizations and other Federal , State, or Local Certifications, Approvals, Denials received for work described in this application.

43. Authorization of Agent. I hereby authorize the agent whose name is given on page one of this application to act in my behalf in the processing of this application and to furnish supplemental information in support of this application. ¹

Applicant's Signature

Date

44. Certification. Application is hereby made for a permit or permits to authorize the work and uses of the work as described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent for the applicant. ¹

Applicant's Signature

Date

Agent's Signature

Date

¹The application must be signed by the person who desires to undertake the proposed activity or it may be signed by a duly authorized agent if the authorization statement in blocks 11 and 43 have been completed and signed. 18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

SCDOT General Permit
Pre-Construction Notification Form

**Pre-Construction Notification Form for SCDOT GP SAC 2015-1280, SAC 2015-1281, SAC 2015-1282,
SAC 2015-1283 SAC 2015-1284, SAC 2015-1285, and SAC 2015-1286**

Project Name _____ **SAC #** _____
County: _____

The following must be completed with each RGP Request. There should be a box checked for each numbered item with all blanks filled in with appropriate information. If a blank is not applicable, state NA. The PCN will not be considered complete unless an answer is provided for every numbered item and the appropriate information listed for each item is enclosed.

1. What is the purpose of the project? _____

2. Completed Joint Federal and State Application Form (enclosed). If additional space is needed, additional sheets may be attached, referencing specific sections of the Joint Application, as appropriate. # 41 is not required for RGP Applications.

3. Wetland Determination. (See Page 1 of the RGP "Type of Project").
 For Improvement Projects, the PCN packet must contain a copy of the Wetland Determination Letter and copy of the referenced JD map, drawing, or plat.
~~SAC~~ _____ dated _____ is enclosed.

 For Maintenance Projects, the PCN packet must contain a (1) Signed Jurisdictional Determination Request form (Approximate-Preliminary), to include information consistent with Charleston District's requirements for delineations and jurisdictional determination submittals (see <http://www.sac.usace.army.mil/missions/regulatory.aspx>).

4. Federal Highway Administration has completed a NEPA document entitled _____ and dated _____.
A copy of the NEPA document is included in PCN packet.

 Federal Highway Administration has not completed a NEPA document because there is no federal funding associated with this project, or it is incomplete at the time of DA submittal.

5. Proposed Plans (enclosed). A location map, plan view, and cross sectional diagram should be provided. For bridge replacement projects, a bridge profile is needed.

6. Impacts. Total Impacts to Wetlands are _____ acre(s) and/or _____ linear feet of waters of the US. This includes _____ acre(s) of impacts to tidally-influenced waters/ wetlands.

7. Provide a detailed discussion of how impacts were avoided and minimized from the initial phase of the project plans to the project plan that is currently being proposed.

8. Historic Properties. See Section II (2).

Note: Attach additional sheets, if needed.

There are no Section 106 Properties that will be affected by the proposed project (no potential to cause effects).

There are Section 106 Properties in the area but they will not be impacted by the proposed project. Provide copies of all correspondence with SHPO. Explain: _____

9. Threatened and Endangered Species. See Section II (3).

There will be no effect on any federally threatened or endangered species or critical habitat. A Biological Assessment is included.

The proposed project is not likely to adversely affect (list appropriate federally threatened or endangered species) _____

The Biological Assessment and copies of all correspondence with USFWS and/or NMFS is included.

10. There will be no impacts to EFH.

The project will impact _____ acres of EFH. The EFH Assessment and copies of all correspondence with NMFS is enclosed. Any NMFS Conservation Recommendations must be clearly addressed and incorporated into the project in order for the PCN to be considered complete.

11. Floodplain Management Statement: Provide a statement that the proposed project complies with any applicable Federal Emergency Management Agency (FEMA) Flood Insurance Program regulations, and/or any State, County, or local regulations and whether the proposed project may cause increases in the base flood elevations to adjacent properties. _____

12. In order to compensate for the impacts to WOTUS, the following is proposed as compensatory mitigation. Compensatory Mitigation Worksheets are enclosed. _____

Prepared By: _____
Consultant or SCDOT Representative Name (Printed) and Signature

Date: _____

Reviewed By: _____
SCDOT Representative Name (Printed) and Signature

Date: _____

Note: Attach additional sheets, if needed.

General Project Information

This project proposes to replace the SC 4 bridge over the South Forth Edisto river. The bridge is currently closed due to structural failures. The existing bridge is approximately 600 feet long and 28 feet wide. The new bridge will be approximately 620 feet long and 44 feet wide meeting current design standards. The project will be constructed on alignment and utilize a close and detour route.

Alternatives Analysis

Two alternatives were considered for this emergency bridge project, No Build or Build. The bridge is currently closed due to a structural failure. Traffic is currently detoured so the bridge can be replaced on its existing alignment with the Build alternative. The No Build alternative would not meet the purpose and need of the project as it would not address the structural failure of the bridge. Therefore, the Build alternative was chosen as the preferred alternative.

Utility Relocations

The existing overhead power line owned by Aiken Electric Cooperative will be need to be relocated as part of the project. Aiken Electric Cooperative requires a minimum of 10 feet of unobstructed space around their power poles (<https://www.aikenco-op.org/easement-area/>). The new bridge will become wider and will encroach into the current 10 foot clearance easement. It is anticipated that four (4) to six (6) power poles will be relocated as part of this project. The utility relocation complies with this RGP because the relocated lines are being installed due to the improvement and expansion of an existing linear transportation project.

The contractor will complete clearing of vegetation to allow Aiken Electric Cooperative to relocate their power poles within SCDOT Right-of-Way. Vegetation will be cut to ground level and is not expected to require the removal of stumps or roots (i.e. grubbing) to complete the utility relocation. Based on coordination with Aiken Electric Cooperative, no fill materials are required to set the new power poles in place. The utility relocation will begin approximately four weeks prior to bridge construction.

Proposed Impacts to WOUS

The contractor will prepare the construction site by clearing, grubbing, and excavating or filling the area to the design grade. This includes removal of topsoil or vegetation. Identified soft spots and unsuitable areas during site preparation my require excavation and backfill with approved borrow or bridge lift material and compact as specified.

Construction access will consist of minimal clearing for installation of elevated working platform(s), timber mat(s) or barge(s). Impacts will be temporary and minor in nature. The contractor will clear and “grub” (i.e. remove stumps, roots, etc.) vegetation as needed to remove

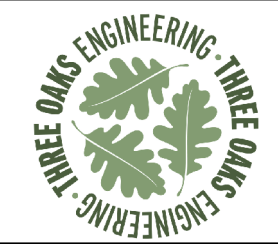
the old bridge and construct the new bridge. Clearing and grubbing will be contained within the defined clearing impact limits as shown on the permit plan sheets. Any removal of vegetation required outside of the clearing impact limits would not include grubbing or removal of stumps, roots, etc. in wetlands. **Clearing impacts to wetlands total approximately 0.7 acres.**

Fill impacts are required to repair and improve the existing shoulder slopes, bridge approaches, and tie the new bridge into the existing roadway alignment. The Build alternative avoids and minimizes impacts to wetlands by using the existing alignment for access and limits the need for fill impacts. The contractor can use the existing roadway as a bridge construction access area which avoids impacts for construction access. However, all areas within the erosion control limits of the project are subject to some form of permanent excavation and/or fill material. **The placement of permanent fill will impact approximately 1.11 acres of wetlands.**

Wetland Impacts			
Clearing Impacts		Permanent Fill Impacts	
Feature	Impact Area (acres)	Feature	Impact Area (acres)
-	-	WD	0.01
WE	0.40	WE	0.35
WF	0.30	WF	0.75
Total Temp. Clearing = 0.70 acres		Total Permanent Fill = 1.11 acres	
Total Impacts = 1.81 acres			

Avoidance and Minimization

- SCDOT will comply with all applicable conditions in the Programmatic Agreement between FHWA and NOAA NMFS regarding Critical Habitat for the Atlantic sturgeon.
- Side slopes have been tightened from 6H:1V, per Highway Design Manual standards, to 4H:1V and 2H:1V where practicable to avoid additional impacts in wetlands.
- The new bridge will be at least 20 feet longer than the existing structure which reduces the need for additional fill at the bridge approaches.
- The Build alternative avoids and minimizes impacts to wetlands by using the existing alignment for access and limits the need for fill impacts. The contractor can use the existing roadway as construction access, which helps minimize impacts to wetlands.
- SCDOT has established the minimum feasible footprint for construction access to reduce impacts to wetlands while still providing the contractor a practical work area.
- SCDOT will ensure that the wetland boundaries are clearly identified (by flagging, fencing, or other means of identification) for the contractor prior to construction.
- Once initiated, the projects will be carried to completion in an expeditious manner in order to minimize the period of disturbance.
- Upon completion, all disturbed areas will be permanently stabilized with vegetative cover and/or rip-rap, as appropriate.



Prepared For:
SCDOT
South Carolina Department of Transportation

**SC 4 over
South Fork
Edisto River**

Emergency
Bridge
Replacement

Aiken County, SC

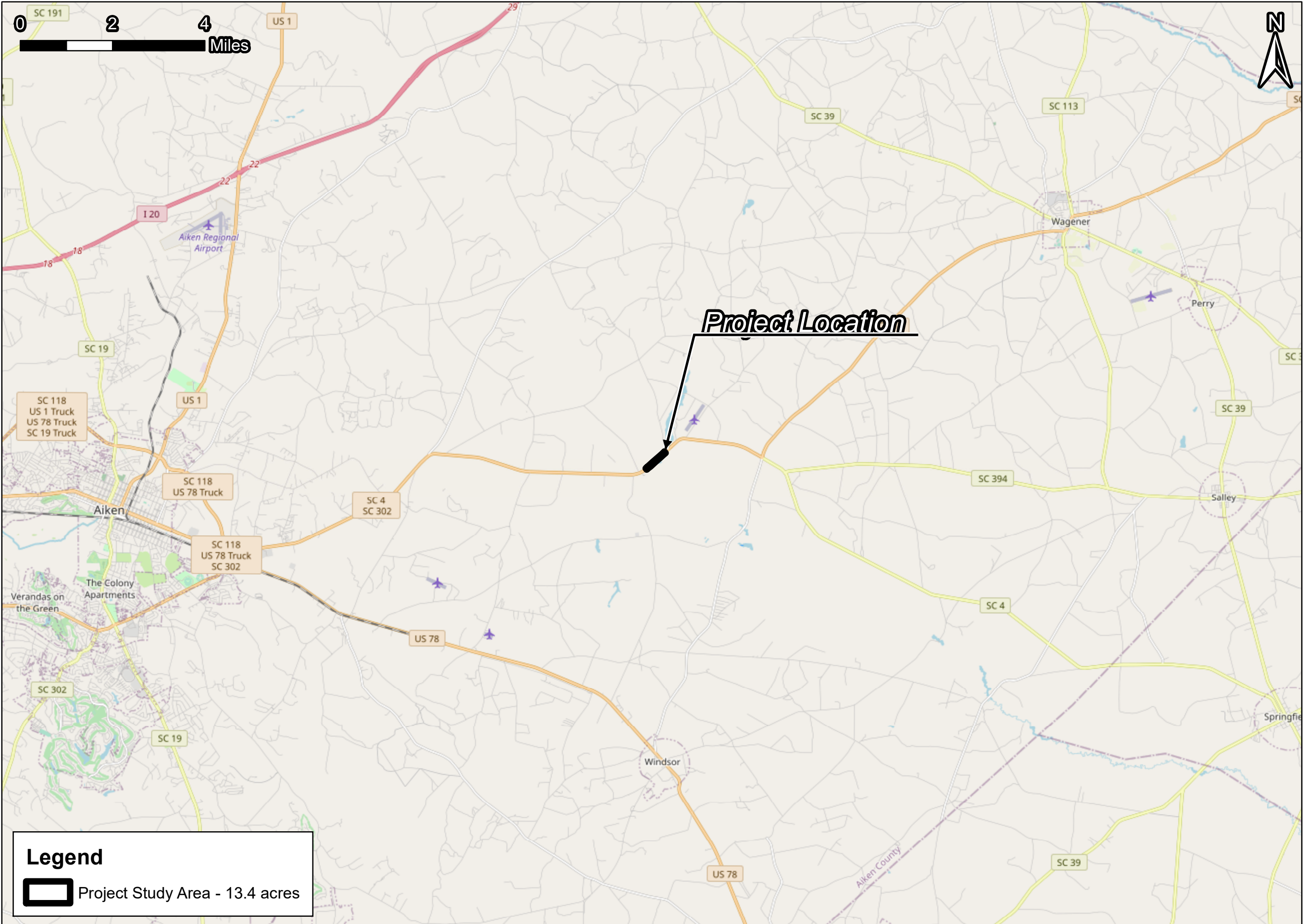
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February 12, 2021

Scale:
1 in = 2 miles

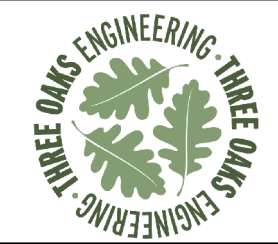
Job No.:
21-101 / P040306

Drawn By: WCB Checked By: TRC

Figure
1 of 6



Legend
Project Study Area - 13.4 acres



Prepared For:
SCDOT
 South Carolina Department of Transportation

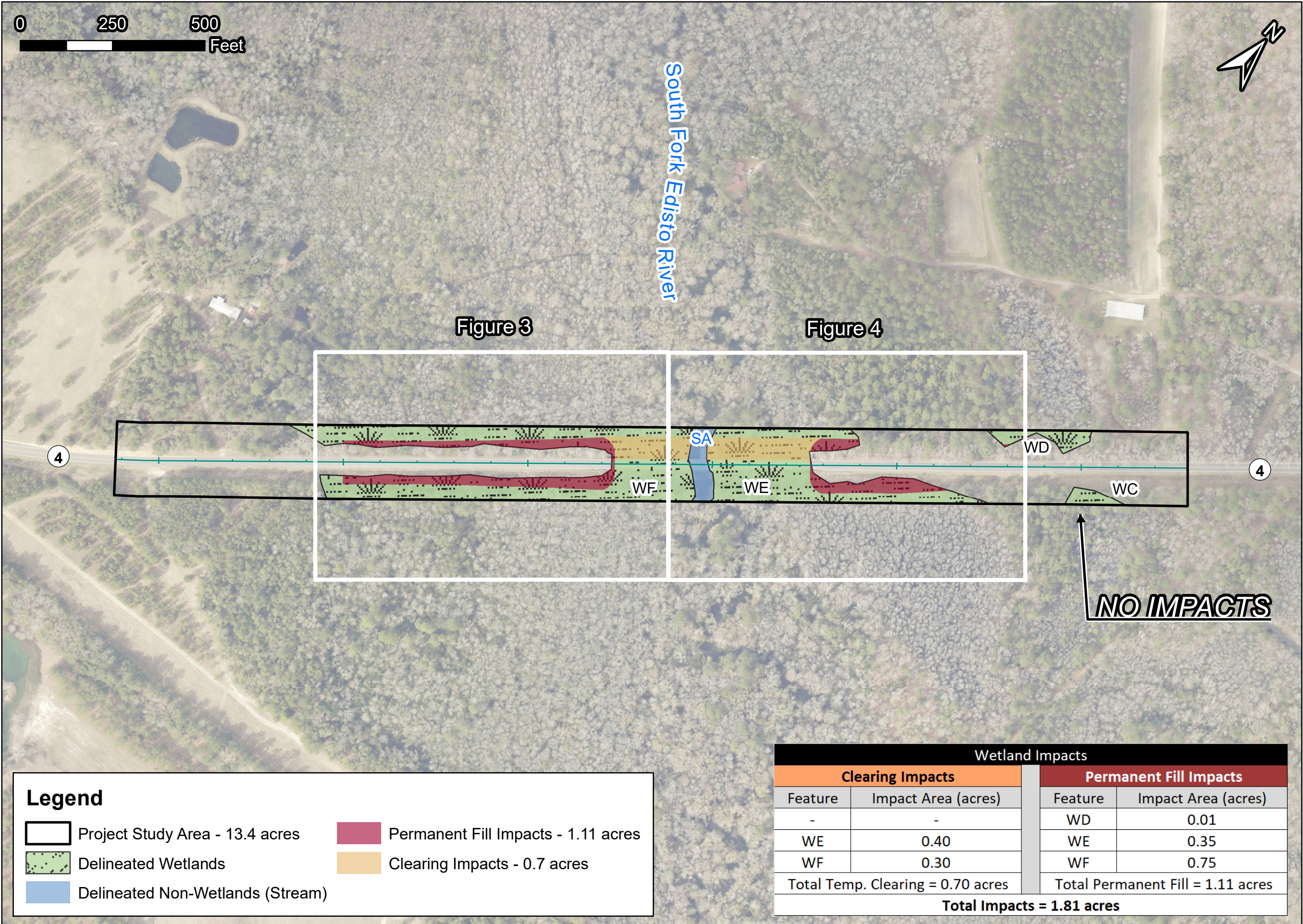
SC 4 over South Fork Edisto River

Emergency Bridge Replacement

Aiken County, SC

Date: February 12, 2021
 Scale: 1 in = 250 ft
 Job No.: 21-101 / P040306
 Drawn By: WCB Checked By: TRC

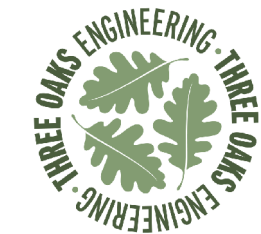
Figure
2 of 6



Legend

Project Study Area - 13.4 acres	Permanent Fill Impacts - 1.11 acres
Delineated Wetlands	Clearing Impacts - 0.7 acres
Delineated Non-Wetlands (Stream)	

Wetland Impacts			
Clearing Impacts		Permanent Fill Impacts	
Feature	Impact Area (acres)	Feature	Impact Area (acres)
-	-	WD	0.01
WE	0.40	WE	0.35
WF	0.30	WF	0.75
Total Temp. Clearing = 0.70 acres		Total Permanent Fill = 1.11 acres	
Total Impacts = 1.81 acres			



Prepared For:



SC 4 over South Fork Edisto River

Emergency Bridge Replacement

Aiken County, SC

Date: February 12, 2021

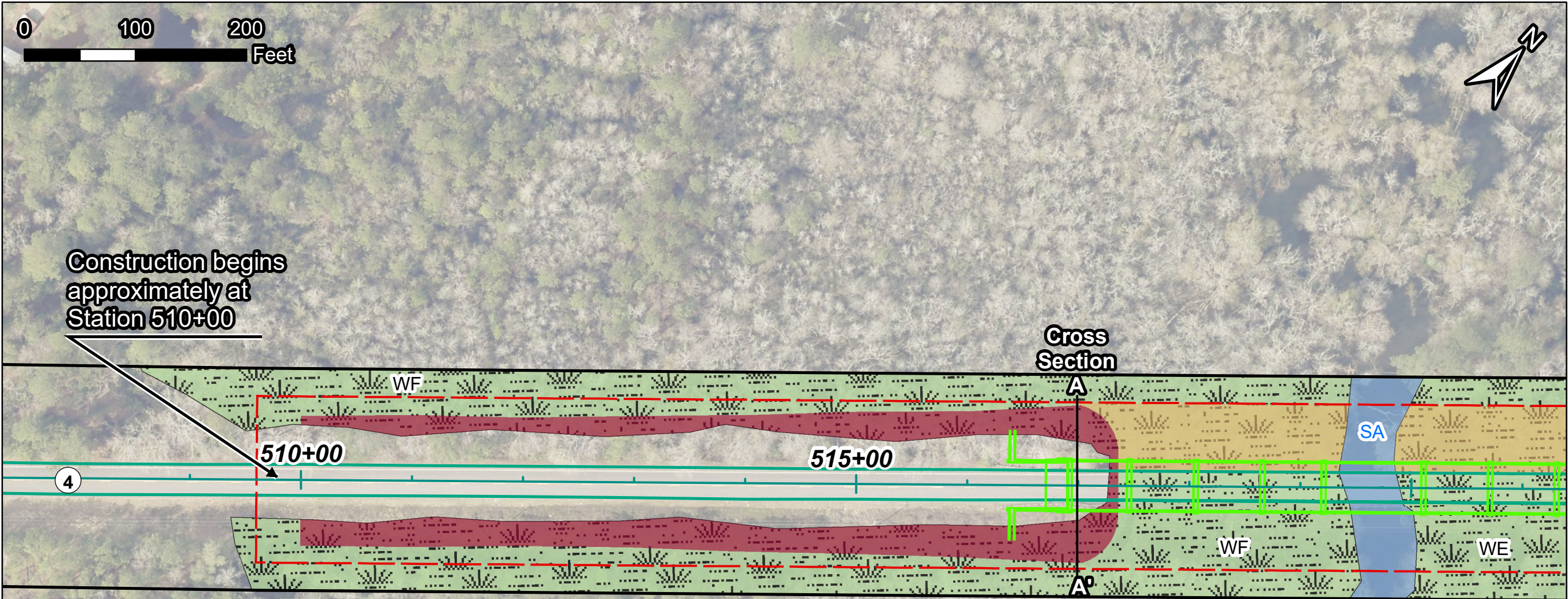
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Job No.: 21-101 / P040306

Drawn By: WCB Checked By: TRC

Figure

3 of 6

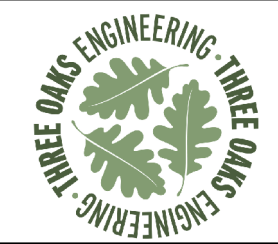


Legend

- Project Study Area - 13.4 acres
- Proposed Bridge
- Existing Roadway
- Proposed Right of Way
- Delineated Wetlands
- Delineated Non-Wetlands (Stream)
- Permanent Fill Impacts - 1.11 acres
- Clearing Impacts - 0.7 acres

Clearing and grubbing will be contained within the defined clearing impact limits as shown on the permit plan sheets. Any removal of vegetation required outside of the clearing impact limits would not include grubbing or removal of stumps, roots, etc. in wetlands.

Wetland Impacts			
Clearing Impacts		Permanent Fill Impacts	
Feature	Impact Area (acres)	Feature	Impact Area (acres)
-	-	WD	0.01
WE	0.40	WE	0.35
WF	0.30	WF	0.75
Total Temp. Clearing = 0.70 acres		Total Permanent Fill = 1.11 acres	
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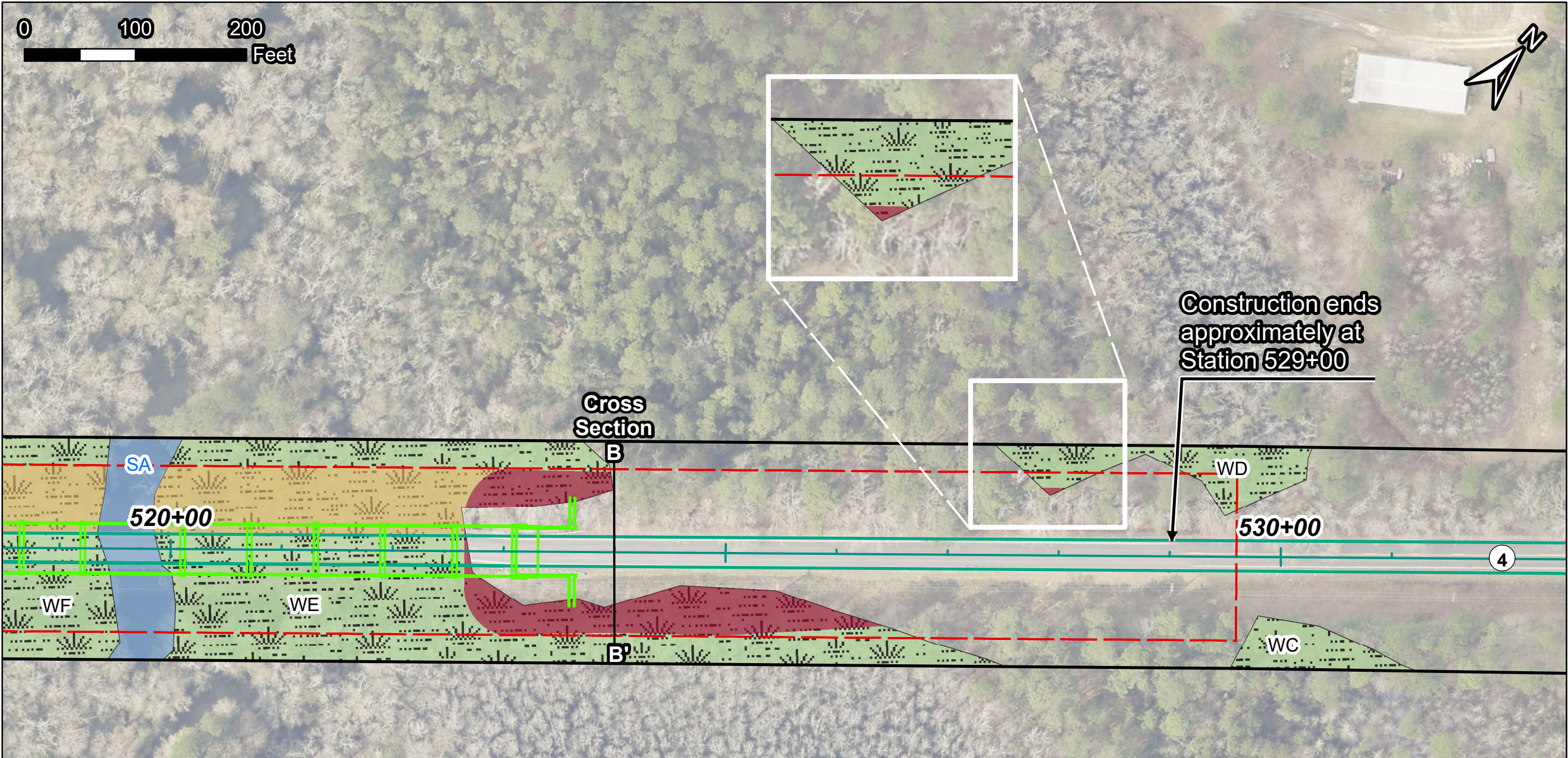
Prepared For:
SCDOT
 South Carolina Department of Transportation

SC 4 over South Fork Edisto River

Emergency Bridge Replacement

Aiken County, SC

Date: February 12, 2021
 Scale: 1 in = 100 ft
 Job No.: 21-101 / P040306
 Drawn By: WCB Checked By: TRC



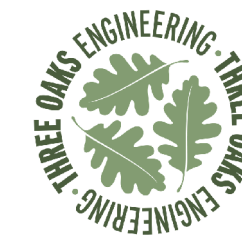
Legend

Project Study Area - 13.4 acres	Delineated Wetlands
Proposed Bridge	Delineated Non-Wetlands (Stream)
Existing Roadway	Permanent Fill Impacts - 1.11 acres
Proposed Right of Way	Clearing Impacts - 0.7 acres

Clearing and grubbing will be contained within the defined clearing impact limits as shown on the permit plan sheets. Any removal of vegetation required outside of the clearing impact limits would not include grubbing or removal of stumps, roots, etc. in wetlands.

Wetland Impacts			
Clearing Impacts		Permanent Fill Impacts	
Feature	Impact Area (acres)	Feature	Impact Area (acres)
-	-	WD	0.01
WE	0.40	WE	0.35
WF	0.30	WF	0.75
Total Temp. Clearing = 0.70 acres		Total Permanent Fill = 1.11 acres	
Total Impacts = 1.81 acres			

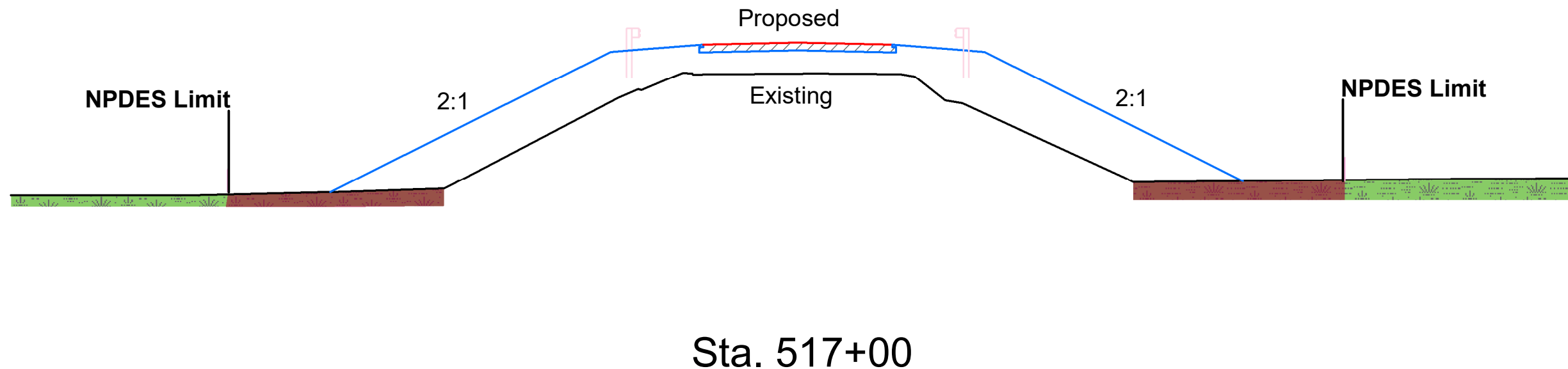
Figure
4 of 6





A

Cross Section A

A'



Legend

-  Wetlands
-  Wetland Permanent Fill

Prepared For:



SC 4 over South Fork Edisto River

Emergency Bridge Replacement

Aiken County, SC

Date: February 12, 2021

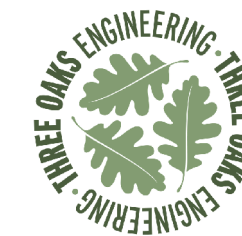
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Job No.: 21-101 / P040306

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Figure

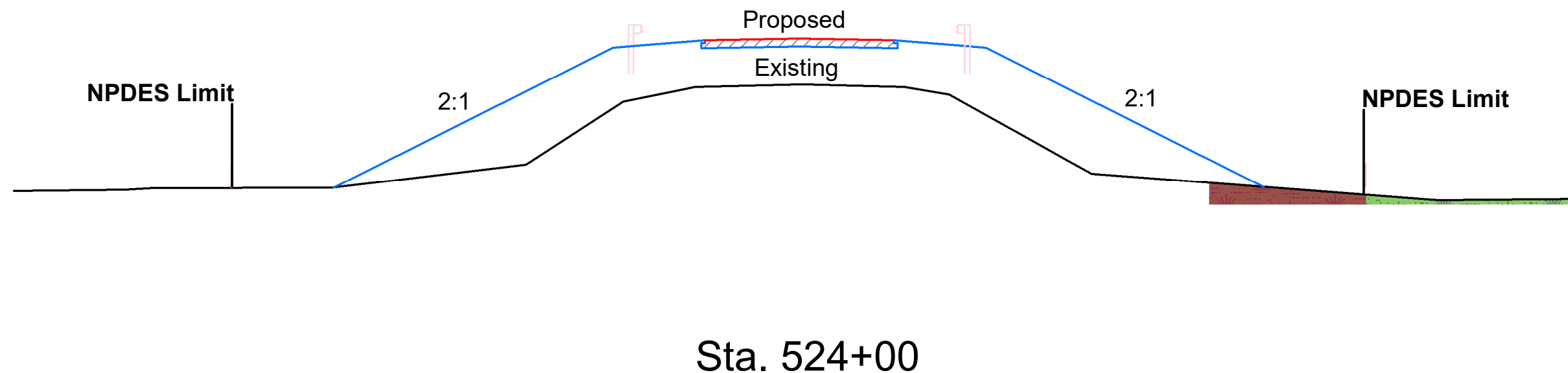
5 of 6



B

Cross Section B

B'



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SC 4 over South Fork Edisto River

Emergency
Bridge
Replacement

Aiken County, SC

Date:
February 12, 2021

Scale:
Not to Scale

Job No.:
21-101 / P040306

Drawn By: WCB
Checked By: TRC

Legend

-  Wetlands
-  Wetland Permanent Fill

Figure

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