

January 8, 2019

Mr. Ivan Fannin  
c/o Miss Amanda Heath  
Regulatory Division  
U.S. Army Corps of Engineers  
69-A Hagood Avenue  
Charleston, SC 29403

**Re:** Modification Request 1 to General Permit SAC-2019-01374 for US 15  
Bridges over Indian Field Swamp located in Dorchester County, SC;  
SCDOT PIN P037127

Dear Mr. Fannin,

On behalf of SCDOT, please find included a modification request for approved GP SAC-2019-01374. It is requested that your office review the included materials in order to approve the noted changes to the permit drawings.

The modification is a result of changes to the project area due to utility coordination. Dominion Energy has electric transmission and distribution lines running parallel to the project on the western side of the roadway that will be in conflict with the construction and replacement of the bridge. The additional clearing is to accommodate the relocation of the power poles on the western side of the project. They will be moving approximately 20-25 feet which resulted in the need for additional clearing not originally known at the time of the original submittal.

The additional clearing will total 0.05 acres (2200 sqft) and be wholly within wetland WWA on the western side of the roadway only. The original total clearing impact area calculated for wetland WWA was 0.47 acres. The new total clearing impacts for wetland WWA are 0.52 acres for a total clearing impact of 0.53 acres for the project.

A second change to the original permit is the proposed mitigation. The original proposed and approved mitigation was for credits to be purchased from the USACE approved mitigation bank, Brosnon Forest. It is being submitted in this modification request that the mitigation for the impacts associated with this project be altered from Brosnon Forest to the USACE approved Biedler Forest Spring Branch Mitigation Bank. The project is located within the primary service area of the approved mitigation bank. The mitigation bank has wetland restoration credits which will be purchased for impacts associated with the bridge replacement.

An updated wetland credit determination worksheet has been completed and is included with this request. The original credits proposed as mitigation for unavoidable impacts was 8.8. With the additional impacts, the credits proposed to be purchased as mitigation for unavoidable impacts now total 9.3 or an additional 0.5 credits.



In addition to this description of the changes and updated proposed mitigation, new permit drawings are being provided to you for your review and approval. These drawings include updated impact areas with indicators, updated impact totals, and revised dates.

If additional information is needed, please feel free to contact me. Thank you.

Sincerely,

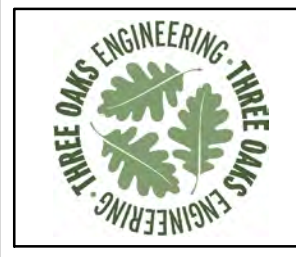
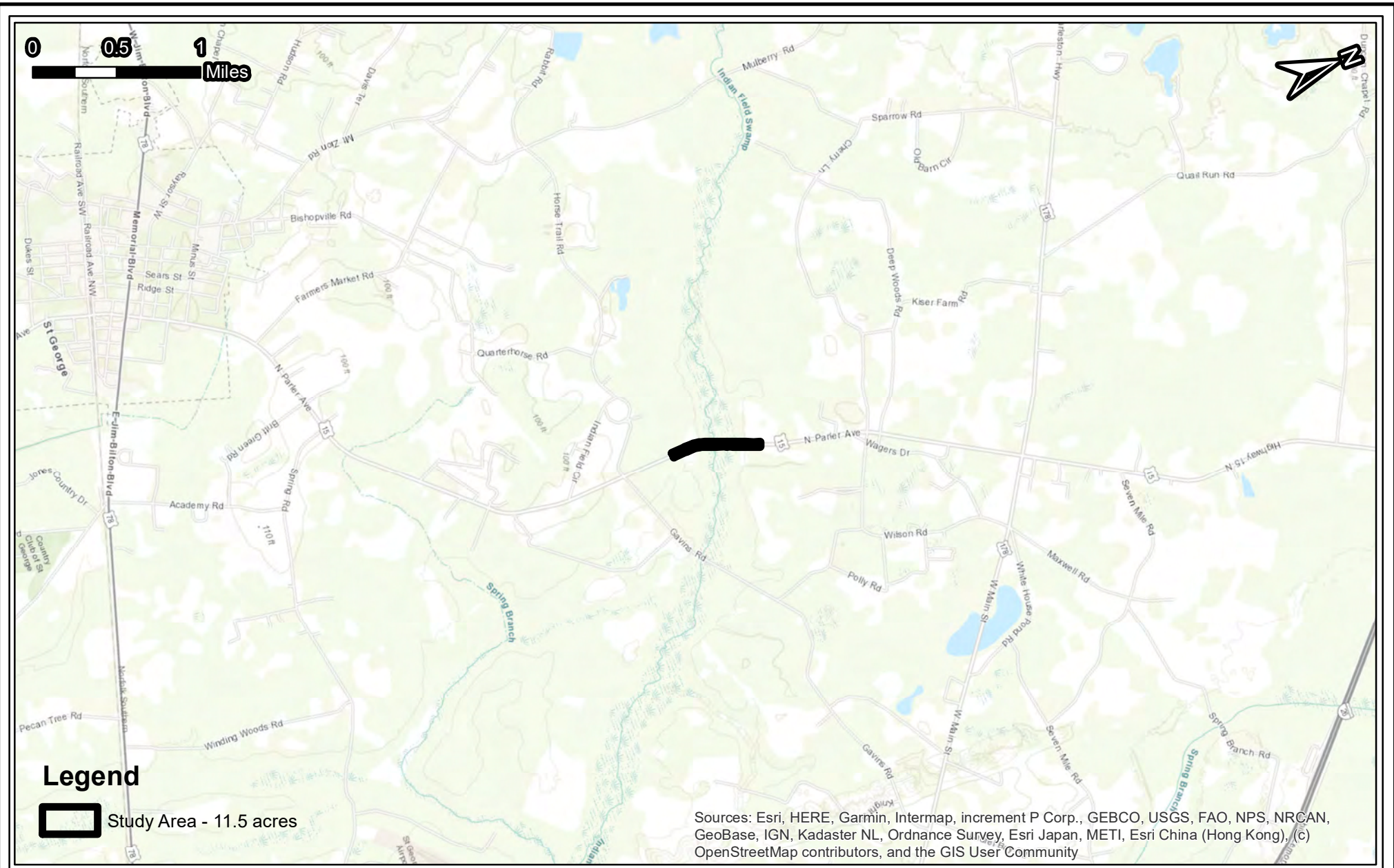


Will McGoldrick  
Design-Build Environmental Coordinator

WRM/wm  
ENV:Design-Build

ec: Mr. Sean Connolly—SCDOT





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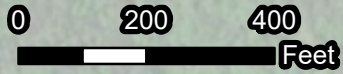
**US 15 over Indian Field Swamp  
Bridge Replacement**

SCDOT General Permit SAC  
2015-1282

Permit Impact Drawings Mod 1  
Dorchester County, South Carolina

Date Revised: January 6, 2020	
Scale: 1:50,000	
Job No.: 19-110	
Drawn By: WCB	Checked By: SCDOT

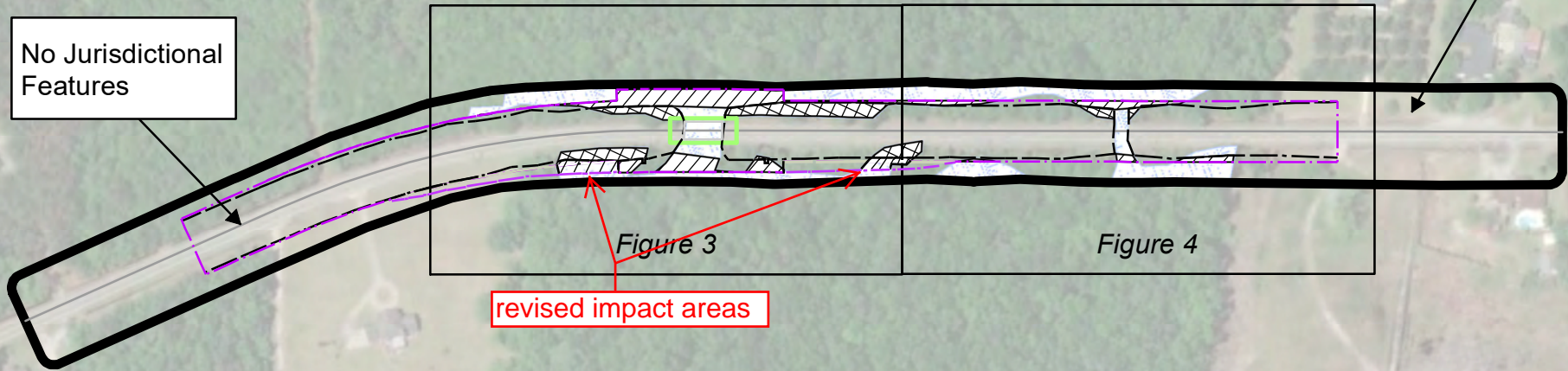
Figure  
1 of 7



Proposed Impacts					
Clearing			Fill		
WWA	0.52	acres	WWA	0.39	acres
WWB	0.01	acres			
TOTAL	0.53	acres	TOTAL	0.39	acres
<b>Total Impacts: 0.92 acres</b>					

No Jurisdictional Features

No Jurisdictional Features



revised impact areas

### Legend

- Study Area - 11.5 acres
- Clearing Limits
- Fill Impacts
- Fill Limits
- Clearing Impacts
- Proposed Bridge
- Wetlands
- Existing Roadway
- Existing Bridge

**NOT FOR CONSTRUCTION PURPOSES**

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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### US 15 over Indian Field Swamp Bridge Replacement

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2015-1282  
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Dorchester County, South Carolina

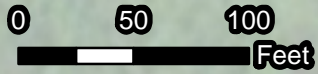
Date Revised:  
January 6, 2020

Scale:  
1:3,600

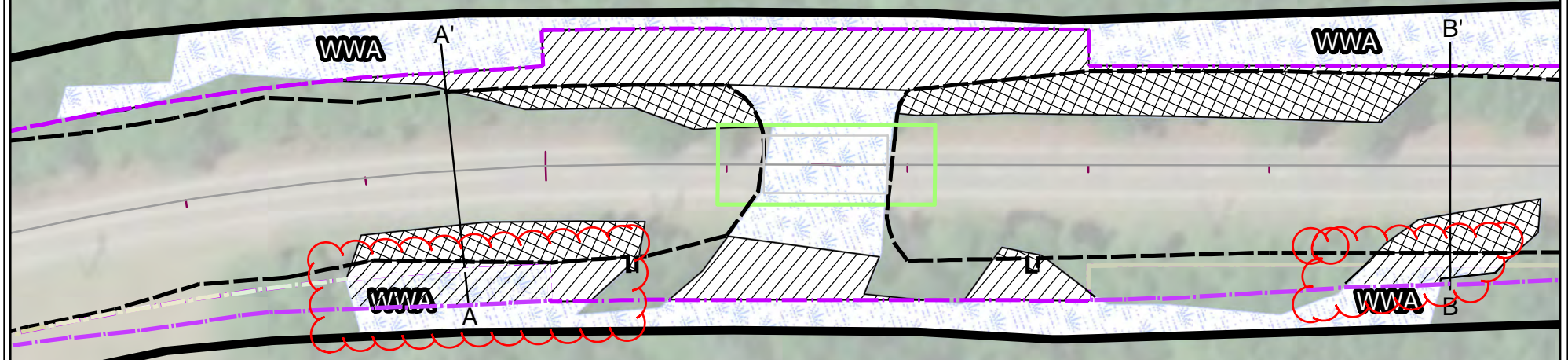
Job No.:  
19-110

Drawn By: WCB  
Checked By: SCDOT

Figure  
2 of 7



Proposed Impacts						
	Clearing			Fill		
WWA	0.52	acres	WWA	0.39	acres	
WWB	0.01	acres				
<b>TOTAL</b>	<b>0.53</b>	<b>acres</b>	<b>TOTAL</b>	<b>0.39</b>	<b>acres</b>	
<b>Total Impacts: 0.92 acres</b>						

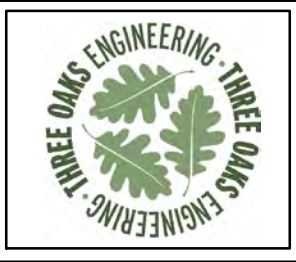


**Legend**

- Study Area - 11.5 acres
- Clearing Limits
- Fill Impacts
- Fill Limits
- Clearing Impacts
- Proposed Bridge
- Wetlands
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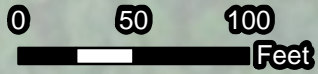


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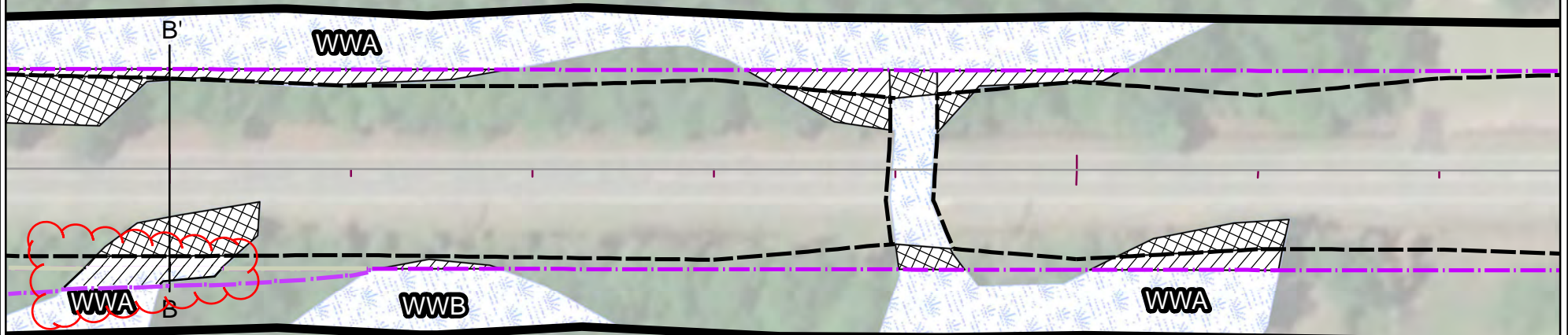
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 Scale:  
 1:1,000  
 Job No.:  
 19-110  
 Drawn By: WCB      Checked By: SCDOT

Figure  
 3 of 7



Proposed Impacts						
	Clearing			Fill		
WWA	0.52	acres	WWA	0.39	acres	
WWB	0.01	acres				
<b>TOTAL</b>	<b>0.53</b>	<b>acres</b>	<b>TOTAL</b>	<b>0.39</b>	<b>acres</b>	
<b>Total Impacts: 0.92 acres</b>						

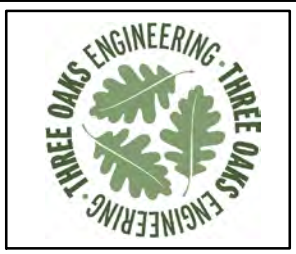


**Legend**

- Study Area - 11.5 acres
- Fill Impacts
- Clearing Impacts
- Wetlands
- Clearing Limits
- Fill Limits
- Proposed Bridge
- Existing Roadway
- Existing Bridge

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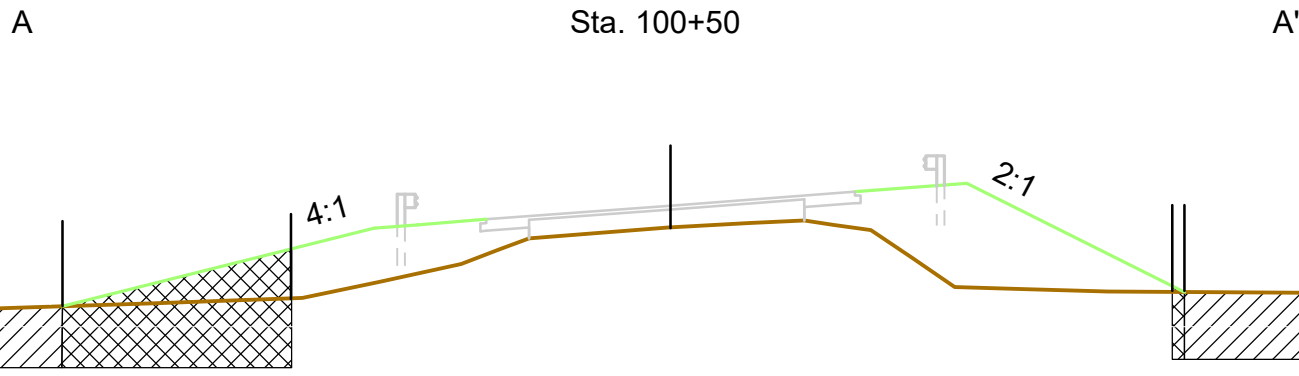
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Figure  
4 of 7

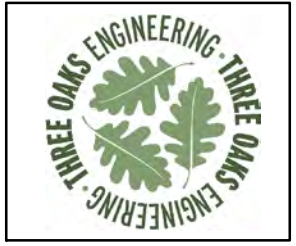
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Clearing			Fill		
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WWB	0.01	acres			
TOTAL	0.53	acres	TOTAL	0.39	acres
<b>Total Impacts: 0.92 acres</b>					



**Legend**

- Roadway Elements
- Proposed Fill
- Existing Ground
- Impact Limits
- ▨ Fill Impacts
- ▨ Clearing Impacts

*NOT TO SCALE  
NOT FOR CONSTRUCTION PURPOSES*



Prepared For:  
**SCDOT**

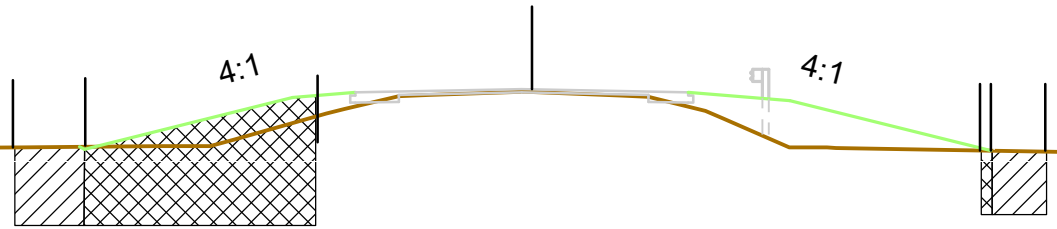
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Figure  
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Proposed Impacts					
Clearing			Fill		
WWA	0.52	acres	WWA	0.39	acres
WWB	0.01	acres			
TOTAL	0.53	acres	TOTAL	0.39	acres
<b>Total Impacts: 0.92 acres</b>					

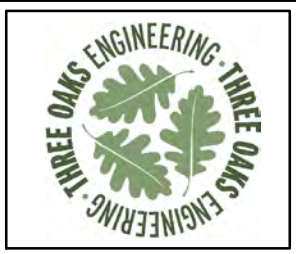
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**Legend**

- Roadway Elements
- Proposed Fill
- Existing Ground
- Impact Limits
- ▨ Fill Impacts
- ▨ Clearing Impacts

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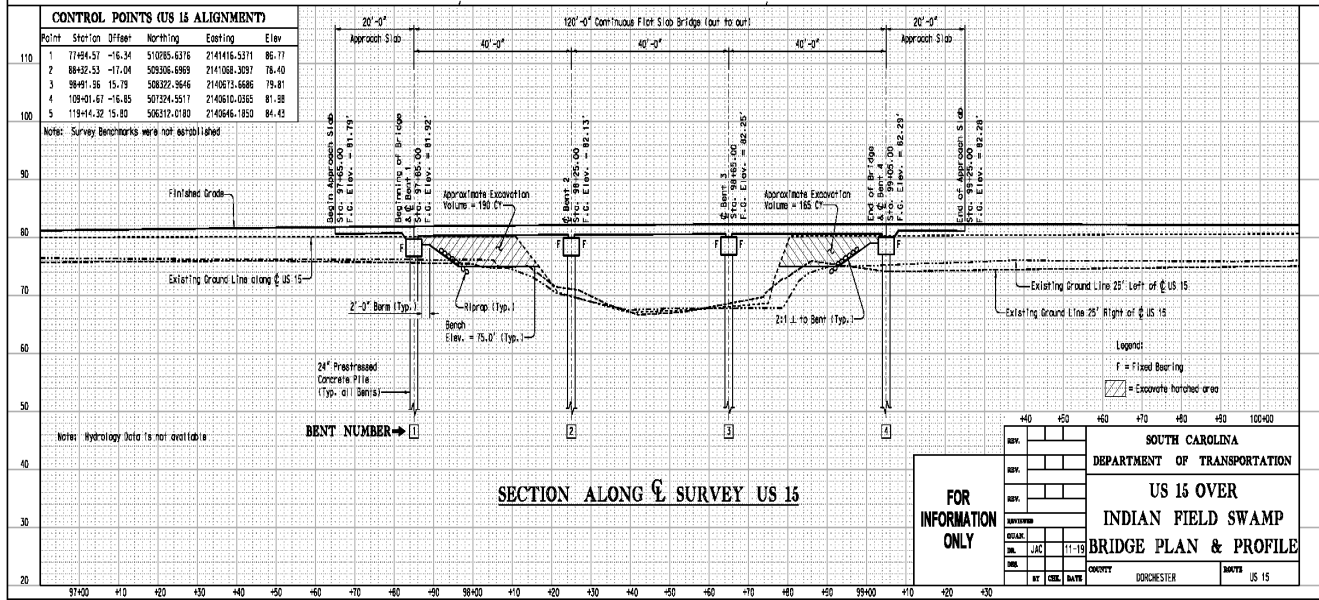
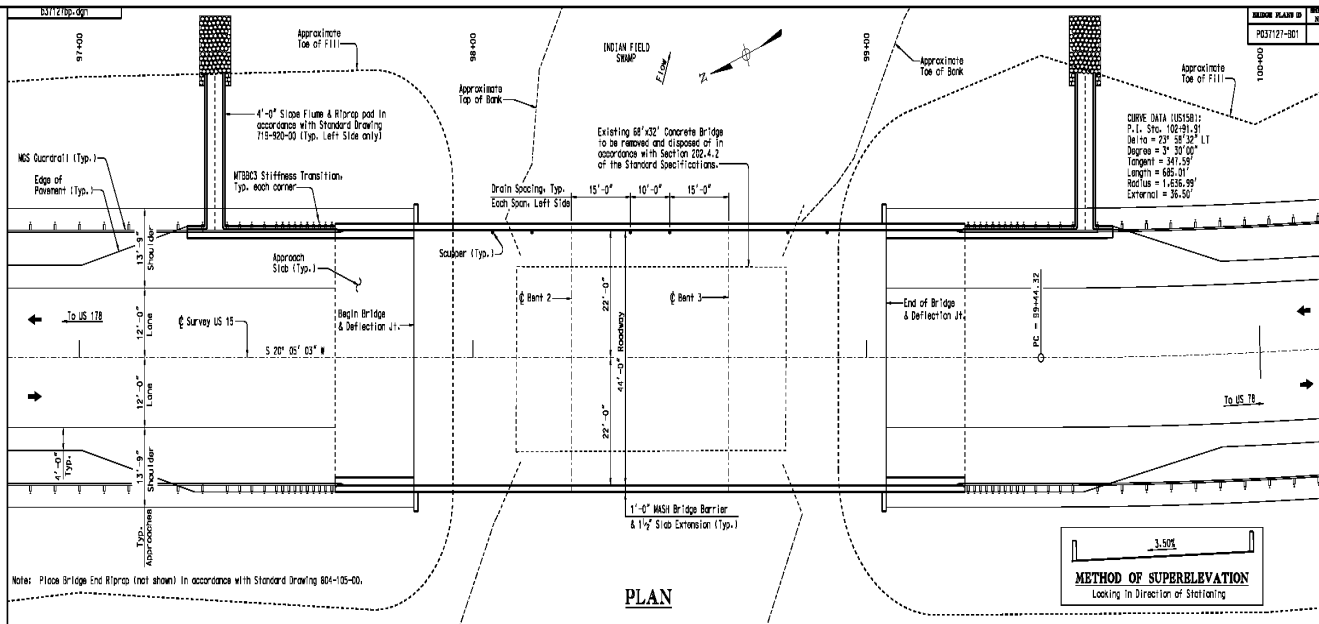
Prepared For:  
**SCDOT**

**US 15 over Indian Field Swamp  
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19-110  
Drawn By: WCB  
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Figure  
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## US 15 over Indian Field Swamp Bridge Replacement

SCDOT General Permit  
 SAC 2015-1282  
 Permit Impact Drawings Mod 1  
 Dorchester County, South Carolina

Date:  
 January ## 2020

Scale:  
 Not to Scale

Job No.:  
 19-110

Drawn By: WCB  
 Checked By: SCDOT

Figure  
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# Required Wetland Mitigation Credit Table and Worksheet



**TIP:** Leave cursor over each factor or option below to pop-up helpful information or definitions.

Required Wetland Mitigation Credit Table						
FACTORS	OPTIONS					
Lost Type	Type C 0.2		Type B 2.0		Type A 3.0	
Priority Category	Tertiary 0.5		Secondary 1.5		Primary 2.0	
Existing Condition	Very Impaired 0.1	Impaired 1.0		Partially Impaired 2.0		Fully Functional 2.5
Duration	0 to 1 Year 0.2	1 to 3 Years 0.5	3 to 5 Years 1.0	5 to 10 Years 1.5	Over 10 Years 2.0	
Dominant Impact	Shade 0.2	Clear 1.0	Drain 2.0	Dredge 2.5	Impound/Flood 2.5	Fill 3.0
Cumulative Impact	< 0.25 Acre 0.1	0.25 - 0.99 Acres 0.2	1.0 - 2.99 Acres 0.5	3.0 - 9.99 Acres 1.0	≥ 10.0 Acres 2.0	

**NOTE:** The cumulative impact factor for the overall project should be included in the sum of factors for each impacted area on the Required Wetland Mitigation Credit Worksheet

Required Wetland Mitigation Credit Worksheet						
FACTOR	WWA	WWA	WWB	AREA 4	AREA 5	AREA 6
Lost Type	Type A	Type A	Type A			
Priority Category	Tertiary	Tertiary	Tertiary			
Existing Condition	Fully Functional	Fully Functional	Fully Functional			
Duration	Over 10 Years	Over 10 Years	Over 10 Years			
Dominant Impact	Fill	Clear	Clear			
Cumulative Impact	0.25 - 0.99 Acres	0.25 - 0.99 Acres	0.25 - 0.99 Acres			
Sum of Factors	11.2	9.2	9.2			
Impacted Area	0.39	0.52	.01			
R x AA=	4.368	4.784	0.092			

**Required Wetland Mitigation Credits =  $\Sigma$  (R x A) =**

<b>9.244</b>
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