

Request for Jurisdictional Determination
I-85 Southbound Bridge Replacement over Norfolk Southern Railroad
Cherokee County, South Carolina
SCDOT PIN 39094
SCDOT File No. 11.039094.11
December 2010

Attachment A – Jurisdictional Determination Request Form

JURISDICTIONAL DETERMINATION REQUEST

For Identifying Waters of the U.S., Including Wetlands and Tributaries

I-85 Southbound Bridge Replacement over Norfolk Southern Railroad;

Project Name: SCDOT File No. 11.039094.11, SCDOT PIN 39094

Date: December 29, 2010

County: Cherokee

Total Acreage of Tract: ~ 11.4 acres (linear project)

Property Owner : South Carolina Department of Transportation

Attn: Randall D. Williamson, P.E.

Address: P.O. Box 191

Address: Columbia, SC 29202-0191

Phone: (803) 737-1385

Email: WilliamsRD@dot.state.sc.us

Agent: STV/Ralph Whitehead Associates

Attn: Michael Iagnocco, PWS

Address: 1000 W. Morehead St, Suite 200

Address: Charlotte, NC 28208

Phone: (704) 372-1885

Email: michael.iagnocco@stvinc.com

Information Required to Accompany Request - Check the items submitted - forward as much information as is available. At a minimum, the first two items must be forwarded:

- ☒ Accurate Location Maps (from County Map, USGS Quad Sheet, etc.)
- ☐ Survey Plat or Tax Map of the Property in Question
- ☒ Soil Survey Sheet (from USDA-NRCS) or Aerial Photo (from County Assessor's Office or other source).
Property boundaries should be shown on the soil survey / photo.
- ☐ Topographic Survey
- ☐ Conceptual Site Plan for the Overall Development
- ☐ Description of the proposed use of the property (residential, commercial, industrial, silvicultural, agricultural, etc.)
- ☒ Status of the project (on-going site work for development, development in planning stages, no plans at this time, etc.)

Type of Determination Requested - Choose one:

- ☐ Preliminary – Preliminary determinations will identify whether wetlands or other waters are present on the site and will presume that they are jurisdictional. This type of determination is likely to be made more quickly and require less information be submitted.
- ☒ Approved – Approved determinations will identify whether wetlands or other waters are present on the site and will include a determination of their jurisdictional status. This type of determination is likely to take longer and require more detailed information be submitted.

IMPORTANT NOTE: Legible printed name and signature required. The person signing this form must be the present property owner or have the specific authority of the property owner to authorize Corps of Engineers employees or their agents to enter onto the property for on-site investigations if such is deemed necessary. Do not sign this form unless you are the owner, or have the specific authority of the property owner.

PRINTED NAME of person signing this form, below: Michael Iagnocco

Signature of Property Owner or Authorized Agent:

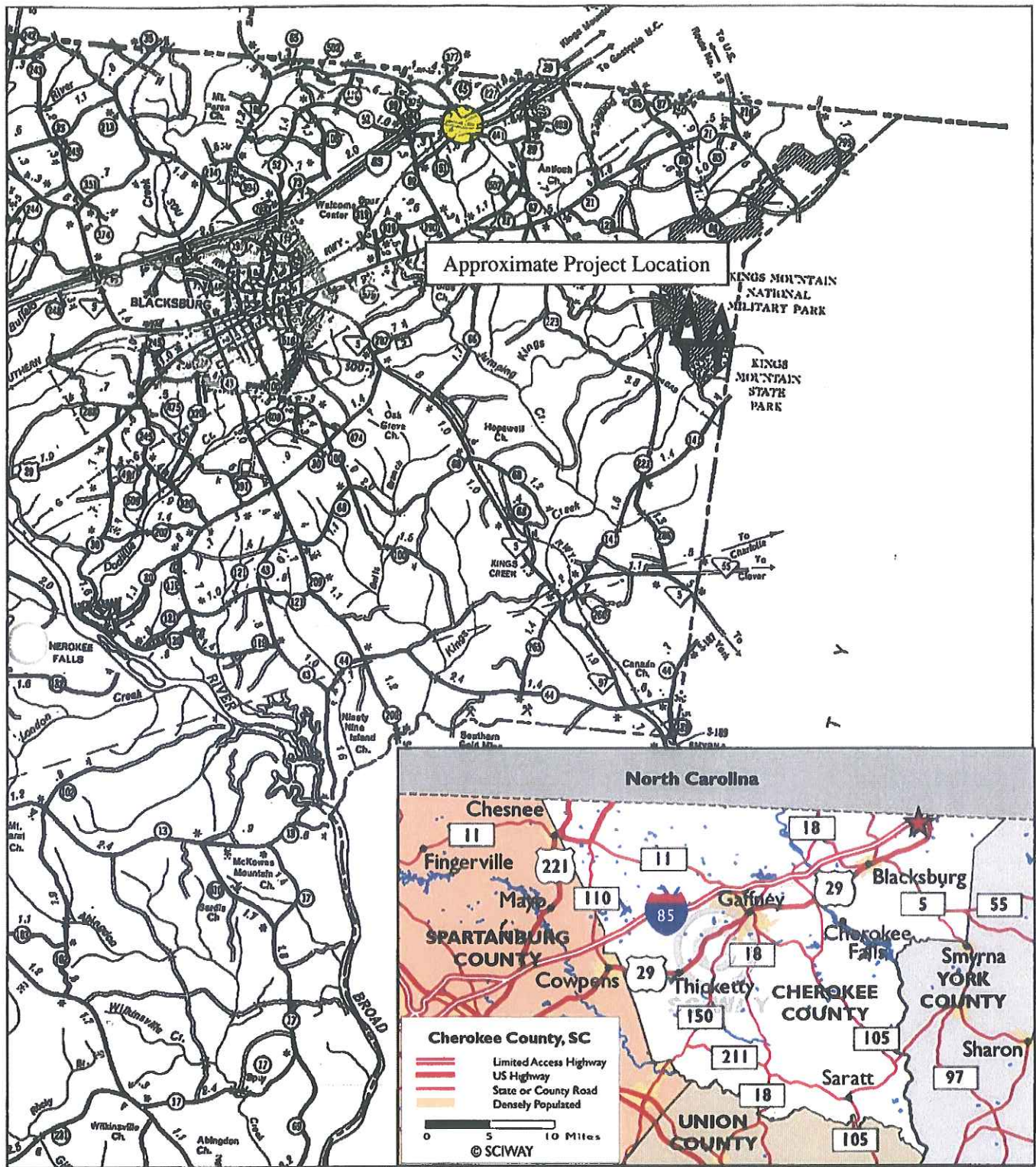
HQ and South Branch
69-A Hagood Avenue
Charleston, SC 29403
843-329-8044

Northeast Branch
1949 Industrial Park Rd, Room 140
Conway, SC 29526
843-365-4239

Northwest Branch
1835 Assembly St., Room 865-B1
Columbia, SC 29201
803-253-3444

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December 2010**

Attachment B – Figures



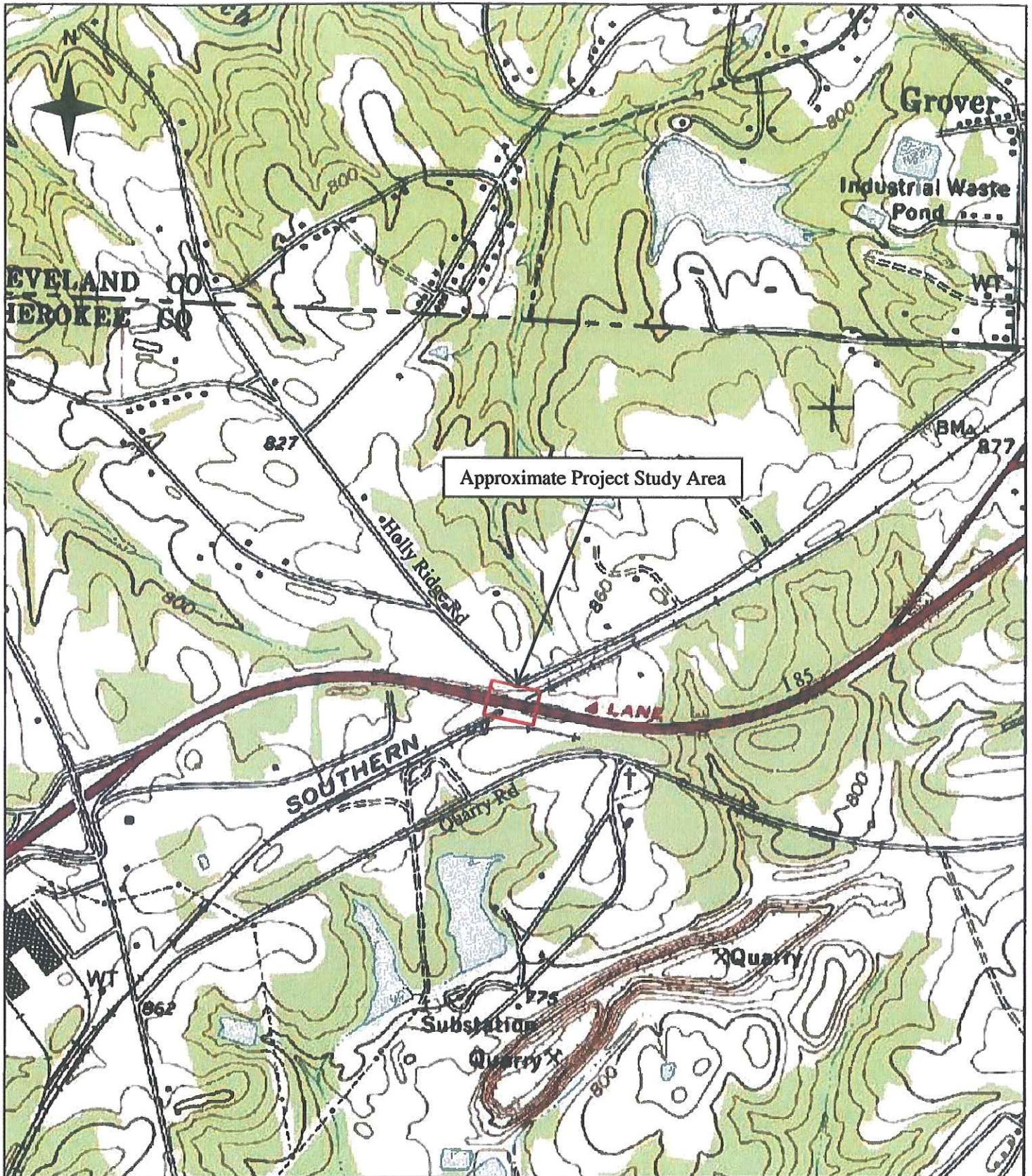
**I-85 Southbound
Bridge Replacement
Over Norfolk Southern Railroad
Cherokee County, SC**

STV/Ralph Whitehead Associates

SCDOT

Site Location

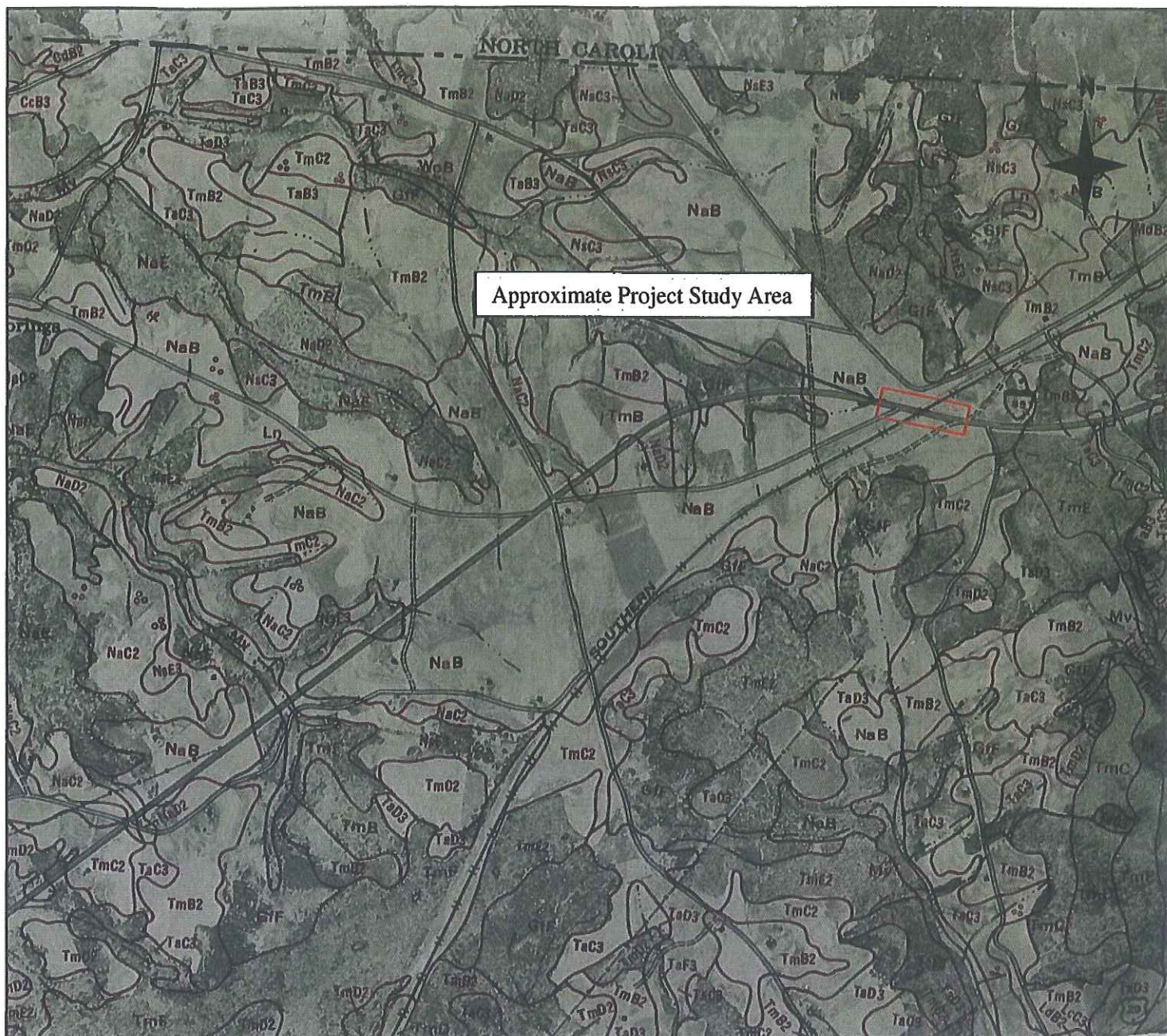
FIGURE 1



Ref. MSR Maps, Kings Creek, SC and Grover, NC Quadrangles 1969

Approximate Scale: 1:24,000

<p>I-85 Southbound Bridge Replacement Over Norfolk Southern Railroad Cherokee County, SC</p>	<p>STV/Ralph Whitehead Associates</p> <p>SCDOT</p>	<p>USGS Site Location Map</p> <p>FIGURE 2</p>
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Ref: USDA Soil Survey of Cherokee County, South Carolina, Sheet 4 (1962).

Approximate Scale 1:20,000

Mapped Soil Units in Project Study Area

NaB – Nason very fine sandy loam, 2 to 6 percent slopes

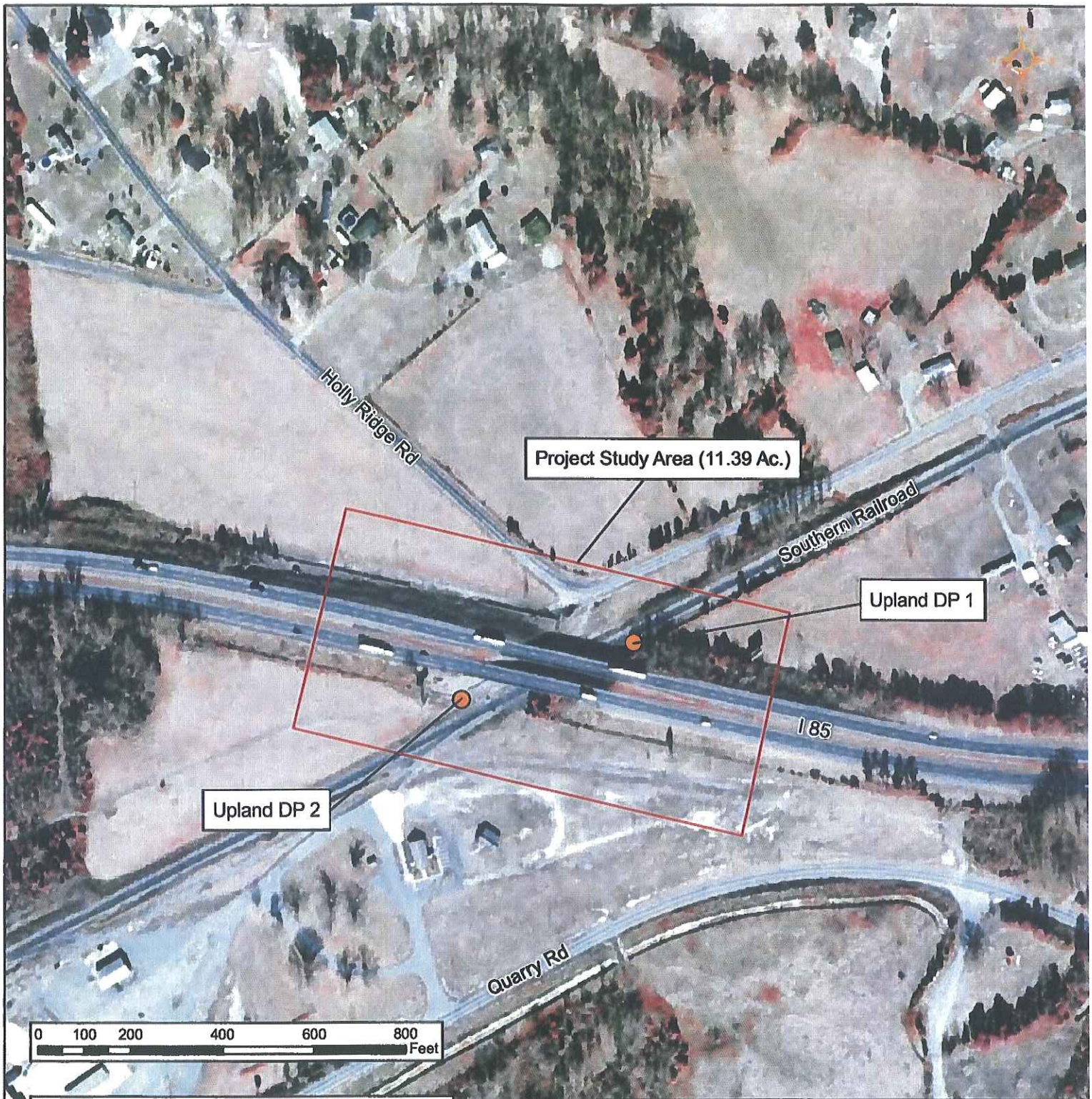
I-85 Southbound
Bridge Replacement
Over Norfolk Southern Railroad
Cherokee County, SC

STV/Ralph Whitehead Associates

SCDOT

Soils Map

FIGURE 3



Legend

Project Study Area

● Wetland Determination Data Point

Note:
 1. No potential jurisdictional waters of the U.S. were found by STV/Ralph Whitehead Associates during the field review conducted on August 12, 2010. Upland GPS data points were surveyed using a Trimble GEOXH hand-held GPS unit capable of submeter accuracy. This map is intended for planning purposes only.

Ref. SCDNR GIS Data Clearinghouse, 2006 Aerial Photography

I-85 Southbound Bridge Replacement Over Norfolk Southern Railroad Cherokee County, SC				
STV/ Ralph Whitehead Associates			SCDOT	
Approximate Waters of the U.S. Boundary Map			FIGURE 4	
BJP DELINEATED BY	AWN PREPARED BY	BJP CHECKED BY	MAI APPROVED BY	8/13/10 DATE
2514104/1200	1"=300'	N:\PROJ\2514104\reports\10 Bridges Field Maps\I85 over SBL-Southern RR\Waters.mxd		SHEET 1 OF 1

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Attachment C – Representative Photographs

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Photograph 1. View of bridge looking south.



Photograph 2. View of bridge looking northeast.

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Photograph 3. View of bridge looking northwest.

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Attachment D – Routine Wetland Determination Data Forms

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site:	I-85 Southbound Bridge Replacement over Norfolk Southern Railroad	Date:	08/12/10
Applicant/Owner:	SCDOT	County:	Cherokee
Investigator(s):	Brandon Phillips, C.H.M.M	State:	SC
Do Normal Circumstances exist on the site?		<input checked="" type="radio"/> Yes	<input type="radio"/> No
Is the site significantly disturbed (Atypical Situation)?		<input type="radio"/> Yes	<input checked="" type="radio"/> No
Is the area a potential Problem Area? (If needed, explain on reverse.)		<input type="radio"/> Yes	<input checked="" type="radio"/> No
		Community ID:	Upland
		Transect ID:	
		Plot ID:	DP1

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1 <i>Liquidambar styraciflua</i>	tree	FAC+	9		
2 <i>Acer negundo</i>	tree	FACW	10		
3 <i>Ligustrum sinense</i>	shrub	FAC	11		
4 <i>Pueraria montana</i>	vine	NL	12		
5 <i>Lonicera japonica</i>	vine	FAC-	13		
6			14		
7			15		
8			16		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) **3/5 = 60%**

60% of the dominant plant species are FAC or wetter.

HYDROLOGY

<p>Recorded Data (Describe in remarks):</p> <p><input type="checkbox"/> Stream, Lake or Tide Gauge</p> <p><input type="checkbox"/> Aerial Photographs</p> <p><input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p><input type="checkbox"/> Inundated</p> <p><input type="checkbox"/> Saturated in Upper 12 Inches</p> <p><input type="checkbox"/> Water Marks</p> <p><input type="checkbox"/> Drift Lines</p> <p><input type="checkbox"/> Sediment Deposits (on leaves)</p> <p><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p><input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches</p> <p><input type="checkbox"/> Water-Stained Leaves</p> <p><input type="checkbox"/> Local Soil Survey Data</p> <p><input type="checkbox"/> FAC-Neutral Test</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p>Depth of Surface Water: <u>N/A</u> (in.)</p> <p>Depth to Free Water in Pit: <u>>18"</u> (in.)</p> <p>Depth to Saturated Soil: <u>>18"</u> (in.)</p>	
<p>Remarks:</p> <p>Wetland hydrology indicators are not present.</p>	

SOILS

DP 1 Continued

Map Unit Name		(Series and Phase):	<u>Nason very fine sandy loam, 2 to 6 percent slopes (NaB)</u>	Drainage Class	<u>well drained</u>
Reference: USDA Soil Survey of Cherokee County (1962)					
Taxonomy (Subgroup):		<u>Typic Hapludults</u>		Indicate Mapped Type? Yes No	
Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
<u>0-6</u>	<u>A</u>	<u>10YR 3/6</u>	<u>None</u>	<u>None</u>	<u>fine sandy loam</u>
<u>6-18</u>	<u>B</u>	<u>5 YR 4/6</u>	<u>None</u>	<u>None</u>	<u>fine sandy loam</u>

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List (Inclusions) <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks:

Indicators of hydric soils are not present.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No (Circle)	
Wetland Hydrology Present?	Yes	<input type="radio"/> No	(Circle)
Hydric Soils Present?	Yes	<input type="radio"/> No	Is this Sampling Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks:			
<u>Data point is not representative of a jurisdictional wetland area. DP 1 located near northeast bridge corner.</u>			

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: I-85 Southbound Bridge Replacement over Norfolk Southern Railroad	Date: 08/12/10
Applicant/Owner: SCDOT	County: Cherokee
Investigator(s): Brandon Phillips, C.H.M.M	State: SC
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>Upland</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	Transect ID: _____
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Plot ID: DP2

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1 <i>Pueraria montana</i>	vine	NL	9 <i>Lonicera japonica</i>	vine	FAC-
2 <i>Lonicera japonica</i>	vine	FAC-	10 _____		
3 <i>Lespedeza cuneata</i>	herb	NI	11 _____		
4 <i>Ambrosia artemisiifolia</i>	herb	FACU	12 _____		
5 <i>Sorghum halepense</i>	herb	FACU	13 _____		
6 _____			14 _____		
7 _____			15 _____		
8 _____			16 _____		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) **0/5 = 0%**

None of the dominant plant species are FAC or wetter.

HYDROLOGY

<p>Recorded Data (Describe in remarks):</p> <p>_____ Stream, Lake or Tide Gauge</p> <p>_____ Aerial Photographs</p> <p>_____ Other</p> <p>X No Recorded Data Available</p> <p>Field Observations:</p> <p>Depth of Surface Water: <u>N/A</u> (in.)</p> <p>Depth to Free Water in Pit: <u>>18"</u> (in.)</p> <p>Depth to Saturated Soil: <u>>18"</u> (in.)</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p>_____ Inundated</p> <p>_____ Saturated in Upper 12 Inches</p> <p>_____ Water Marks</p> <p>_____ Drift Lines</p> <p>_____ Sediment Deposits (on leaves)</p> <p>_____ Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or more required):</p> <p>_____ Oxidized Root Channels in Upper 12 Inches</p> <p>_____ Water-Stained Leaves</p> <p>_____ Local Soil Survey Data</p> <p>_____ FAC-Neutral Test</p> <p>_____ Other (Explain in Remarks)</p>
<p>Remarks:</p> <p><u>Wetland hydrology indicators are not present.</u></p>	

DP 2 Continued

WETLAND DETERMINATION

Approved by HQUSACE 2/92



STV/Ralph Whitehead Associates

I-85 Bridge Replacements over Norfolk Southern Railroad
Cherokee County, South Carolina
SCDOT File No. 11.039094.11 – SCDOT PIN 39094
JD Request Addendum – April 2012

ATTACHMENT F

Previously Issued USACE JD Letter



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403-5107



July 27, 2011

Regulatory Division

Mr. Randy Williamson, P.E.
South Carolina Department of Transportation
P.O. Box 191, 955 Park Street
Columbia, South Carolina 29201

Dear Mr. Williamson:

This is in response to a letter from your consultant, STV/Ralph Whitehead Associates, requesting a wetland determination, on behalf of the South Carolina Department of Transportation, for an 11.39 acre tract, I-85 Southbound Bridge Replacement over Norfolk Southern Railroad (SCDOT PIN 39094), located adjacent to I-85, northeast of Blacksburg, Cherokee County, South Carolina. The project area is depicted on the enclosed sketch prepared by STV/Ralph Whitehead Associates entitled "I-85 Southbound Bridge Replacement Over Norfolk Southern Railroad, Cherokee County" and dated August 13, 2010.

Based on a review of topographic maps, aerial photography, and soil survey information, it has been determined that the referenced property does not contain any wetland areas or other waters of the United States and, as such, Department of the Army authorization will not be required for mechanized land clearing, excavation, or the placement of dredged or fill material on this site.

Please be advised that this determination is valid for five (5) years from the date of this letter unless new information warrants revision of the delineation before the expiration date. All actions concerning this determination must be complete within this time frame, or an additional delineation must be conducted. For the purposes of 33 CFR 331.2, this is considered to be an approved jurisdictional determination.

In future correspondence concerning this matter, please refer to SAC 2011-0020-DJS. If you have any questions concerning this matter, please contact Stephen A. Brumagin at 803-253-3445.

Sincerely,

Travis G. Hughes
Chief, Special Projects Branch

Enclosures:
Approved Jurisdictional Determination Form
Notification of Appeal Options

Copy Furnished:

STV/Ralph Whitehead Associates
Attn: Mr. Michael Iagnocco
1000 W. Morehead Street, Suite 200
Charlotte, North Carolina 28208