

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER Governor JAMES H. TROGDON, III Secretary

September 16, 2019

N.C. Dept. of Environmental Quality Division of Coastal Management 400 Commerce Avenue Morehead City, NC 28557

- ATTN: Mr. Stephen Lane NCDOT Coordinator
- Subject: Application for CAMA Major Development Permit for the Proposed Replacement of Bridge No. 43 over Pungo Swamp on US 264 in Beaufort County, North Carolina; TIP No. B-4414; Federal Aid Project No. BRSTP-0264(31); Debit \$475 from WBS No. 38358.1.2.

Dear Sir,

The North Carolina Department of Transportation (NCDOT) proposes to replace the existing 113-foot, three-span with crutch bent bridge No. 43 with a 155-foot, three-span bridge on existing alignment. Traffic will be maintained using an off-site detour. Permanent impacts to coastal wetlands total 0.07 acre, with an additional 0.08 acre permanent impact to riparian wetlands. There will be 147 linear feet of permanent stream impact due to the replacement structure and relocation of an unnamed tributary. All utilities will be relocated with no impacts to jurisdictional streams or wetlands.

Please see enclosed copies of the Division of Coastal Management Major Permit Forms 1 and 5, Division of Mitigation Services Acceptance Letter, permit drawings, stormwater management plan, and utility drawings for the above referenced project. A Categorical Exclusion (CE) was completed in April 2017 and distributed shortly after. Additional copies are available at the NCDOT website: http://207.4.62.65/PDEA/EnvironmentalDocs/

This project calls for a letting date of April 21, 2020 and a review date of March 3, 2020. The project schedule may be advanced if funding becomes available.

The bridge replacement was originally designed on new alignment approximately 50 feet upstream of the existing bridge; however, per agency comments, it was redesigned on existing alignment which reduced total wetland impacts from over 1 acre to less than 0.3 acre and reduced permanent channel change impacts from 236 feet to 105 feet. The typical roadway section is the minimum width per roadway design standards while the fill slopes are set to the maximum slope per geotechnical recommendations. Slopes along the unnamed tributary in the northwest quadrant have been further steepened with rock plating.

Telephone: (919) 707-6000 Fax: (919) 212-5785 Customer Service: 1-877-368-4968 Location: 1000 Birch Ridge Drive Raleigh NC 27610

Website: www.ncdot.gov

Regulatory Approvals

<u>CAMA Major Development Permit</u>: NCDOT requests that the proposed work be authorized under a Coastal Area Management Act Major Permit. Adjacent riparian landowner certified mail return receipts will be provided once they are received. Authorization to debit the \$475 Permit Application Fee from WBS Element 383581.1.2 is hereby given.

<u>Section 10 Permit</u>: Application for a Section 10 Permit as required for the above-described activities in accordance with Section 10 of the Rivers and Harbors Act of March 3, 1899 (33 U.S.C. 403) has been requested under separate letter.

<u>Section 404 Permit</u>: Application for a Section 404 Nationwide Permit 23 in accordance with Section 404 of the Clean Water Act (33 U.S.C. 1344) has been requested under separate letter.

<u>Section 401 Permit and Buffer Authorization</u>: Application for a Section 401 General Certification and Tar-Pamlico Riparian Buffer Authorization has been requested under separate letter.

A copy of this permit application will be posted on the NCDOT Website at <u>https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx</u>, under *Quick Links > Permit Applications*. Should you have any questions regarding this information, please contact Jason Dilday at (919) 707-6111 or jldilday@ncdot.gov.

Sincerely,

That CRIM IT

Philip S. Harris III, P.E., C.P.M., Unit Head Environmental Analysis Unit

cc: NCDOT Permit Application Standard Distribution List

APPLICATION for Major Development Permit





North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information								
Business Name			Project Name (if applicable)					
North Carolina Departme	ent Of Transportation			B-4414 Bridge Re	placement US	5 264 ove	er Pungo Swamp	
Applicant 1: First Name		MI		Last Name				
Philip		S		Harris				
Applicant 2: First Name		МІ		Last Name				
If additional applicants, plea	se attach an additional pag	ge(s)	with names l	ïsted.				
Mailing Address				PO Box	City	City State		
1598 Mail Service Cente	r				Raleigh		NC	
ZIP	Country		Phone No.	FAX 1		FAX No.	0.	
27699 1581 USA 919 - 71		919 - 707 -	707 - 6111 ext.					
Street Address (if different from above)				City	State		ZIP	
1000 Birch Ridge Drive				Raleigh	NC		27610-	
Email								
jldilday@ncdot.gov								

2. Agent/Contract	or Information						
Business Name							
Agent/ Contractor 1: First Name		МІ	Last Name				
Agent/ Contractor 2: First N	MI	Last Name					
Mailing Address			PO Box	City			State
ZIP		Phone No. 1			Phone No. 2		
		-	- ext.		-	-	ext.
FAX No.		Contractor #					
Street Address (if different from above)			City	State	9	ZIP	-
Email							

<Form continues on back>

3. Project Location						
County (can be multiple) Beaufort	Street Address US 264			State Rd. # US 264		
Subdivision Name n/a		City Pinetowr	1	State NC	Zip 27865 -	
Phone No. ext.		1	Lot No.(s) <i>(if many, attach</i>	n additional ,	page with list)	
a. In which NC river basin is the projec Tar-Pamlico	t located?		b. Name of body of water Pungo Swamp	nearest to	proposed project	
c. Is the water body identified in (b) abo ⊠Natural □Manmade □Unknow	ove, natural or manma n	ade?	d. Name the closest majo Pungo Creek / Pung	r water bod jo River	y to the proposed project site.	
e. Is proposed work within city limits or ⊠Yes □No	planning jurisdiction?		f. If applicable, list the pla work falls within. Town of Pinetown, NC	nning jurisd	liction or city limit the proposed	
4. Site Description						
a. Total length of shoreline on the tract 886	(ft.)		b. Size of entire tract (sq.ft.)110,154 sq. ft.			
 c. Size of individual lot(s) n/a, , , , , , , , , , , , , , , , , , ,			 d. Approximate elevation of tract above NHW (normal high water) or NWL (normal water level) 1' to 8' □NHW or ⊠NWL 			
e. Vegetation on tract Marsh						
f. Man-made features and uses now on tract NCDOT roadway and bridge.						
 g. Identify and describe the existing land uses <u>adjacent</u> to the proposed project site. Cropland, woods, rural residential. 						
h. How does local government zone the	Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) □Yes □No ☑NA					
j. Is the proposed activity part of an urb	an waterfront redevel	opment pro	pposal?	□Yes	⊠No	
k. Has a professional archaeological as	ssessment been done	for the trac	ct? If yes, attach a copy.	⊠Yes	□No □NA	
If yes, by whom? NCDOT						
Is the proposed project located in a National Registered Historic District or does it involve a ☐Yes ☑No ☐NA National Register listed or eligible property?						

<Form continues on next page>

APPLICATION for

Major Development Permit

m. (i) Are there wetlands on the site?	⊠Yes	No				
(ii) Are there coastal wetlands on the site?	⊠Yes	□No				
(iii) If yes to either (i) or (ii) above, has a delineation been conducted? (Attach documentation, if available)	⊠Yes	No				
n. Describe existing wastewater treatment facilities.						
n/a						
o. Describe existing drinking water supply source.						
n/a						
p. Describe existing storm water management or treatment systems.						
Runoff from the existing bridge discharges directly into Pungo Swamp as there are o bridge, continuous for the full length of the bridge	pen deck d	rains on both sides of the				
5. Activities and Impacts						
a. Will the project be for commercial, public, or private use?	Commercia Private/Cor	al ⊠Public/Government mmunity				
b. Give a brief description of purpose, use, and daily operations of the project when complete.						
B-4414 is the planned replacement of bridge 43 in Beaufort County on US 264. The project lies within a CAMA county and CAMA wetlands are involved. The existing structure over Pungo Swamp was built in 1925 and reconstructed in 1956 and is a three span bridge on steel beams with a total length of 114'. The proposed structure will be a three span 36" concrete girder structure with an overall length of 155'. The final proposed structure does not require deck drains.						
c. Describe the proposed construction methodology, types of construction equipment to be used of equipment and where it is to be stored.	during constr	ruction, the number of each type				
Cranes, pile driving equipment, grading equipment, bull dozers, excavators, offroad to top down contruction.	rucks, and	boring machines. Anticipate				
d. List all development activities you propose.						
Installation of a temporary work bridge and construction of a new bridge. Grading, p excavation and fill associated with the roadway and bridge work. Removal of the exis	aving, clea ting bridge	ring, utility relocation,				
e. Are the proposed activities maintenance of an existing project, new work, or both?	Replacem serve san	ent of existing bridge to ne purpose.				
f. What is the approximate total disturbed land area resulting from the proposed project?	1.9	☐Sq.Ft or ⊠Acres				
g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of?	⊠Yes □	No 🗍 NA				
h. Describe location and type of existing and proposed discharges to waters of the state.						
The proposed bridge will have no direct discharge into the water. Stormwater runoff traffic bearing grated inlets on each side of the bridge where it will be diffused with a and discharged at non-erosive velocities. All proposed stormwater runoff is discharge adjacent to wetlands in all four quadrants outside of Buffer Zone 2.	from the pr riprap pad a ed at the lo	oposed bridge is to flow to at the proposed pipe outlets west practicable velocities				
i. Will wastewater or stormwater be discharged into a wetland?	⊠Yes 🗌	No 🗌 NA				
If yes, will this discharged water be of the same salinity as the receiving water?	□Yes 🛛	No 🗌 NA				
j. Is there any mitigation proposed?	⊠Yes 🗌	No 🗌 NA				

<Form continues on back>

Major Development Permit

6. Additional Information							
In addition to this completed application form, (MP-1) the following items below, if applicable, must be submitted in order for the application package to be complete. Items (a) – (f) are always applicable to any major development application. Please consult the application instruction booklet on how to properly prepare the required items below.							
a. A project narrative.	a. A project narrative.						
b. An accurate, dated work plat (including plan view and cross-sectional draw proposed project. Is any portion already complete? If previously authorize between work completed and proposed.	b. An accurate, dated work plat (including plan view and cross-sectional drawings) drawn to scale. Please give the present status of the proposed project. Is any portion already complete? If previously authorized work, clearly indicate on maps, plats, drawings to distinguish between work completed and proposed.						
c. A site or location map that is sufficiently detailed to guide agency personne	el unfamiliar with the area to the site.						
d. A copy of the deed (with state application only) or other instrument under v	which the applicant claims title to the affected properties.						
e. The appropriate application fee. Check or money order made payable to I	DENR.						
f. A list of the names and complete addresses of the adjacent waterfront (riparian) landowners and signed return receipts as proof that such owners have received a copy of the application and plats by certified mail. Such landowners must be advised that they have 30 days in which to submit comments on the proposed project to the Division of Coastal Management.							
Name see attached letters	Phone No.						
Address							
Name	Phone No.						
Address							
Name	Phone No.						
Address							
g. A list of previous state or federal permits issued for work on the project tract. Include permit numbers, permittee, and issuing dates.							
h. Signed consultant or agent authorization form, if applicable.							
i. Wetland delineation, if necessary.							
j. A signed AEC hazard notice for projects in oceanfront and inlet areas. (M	ust be signed by property owner)						
k. A statement of compliance with the N.C. Environmental Policy Act (N.C.G. of public funds or use of public lands, attach a statement documenting con	S. 113A 1-10), if necessary. If the project involves expenditure npliance with the North Carolina Environmental Policy Act.						

7. Certification and Permission to Enter on Land

I understand that any permit issued in response to this application will allow only the development described in the application. The project will be subject to the conditions and restrictions contained in the permit.

I certify that I am authorized to grant, and do in fact grant permission to representatives of state and federal review agencies to enter on the aforementioned lands in connection with evaluating information related to this permit application and follow-up monitoring of the project.

I further certify that the information provided in this application is truthful to the best of my knowledge.

Date

9/10/19

Print Name Philip S. Harriss III, P.E., C.P.M. Tor la Drein Signature

Please indicate application attachments pertaining to your proposed project.

DCM MP-2 Excavation and Fill Information

DCM MP-3 Upland Development

DCM MP-4 Structures Information

☑DCM MP-5 Bridges and Culverts

Form DCM MP-5 BRIDGES and CULVERTS

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

1.	BRIDGES		☐ <i>This section not applicable</i>
a.	Is the proposed bridge: ☐Commercial	b.	Water body to be crossed by bridge: Pungo Swamp
C.	Type of bridge (construction material): The proposed bridge is a three span 36" concrete girder bridge.	d.	Water depth at the proposed crossing at NLW or NWL: 12'+
e.	 (i) Will proposed bridge replace an existing bridge? ∑Yes ∑No If yes, (ii) Length of existing bridge: <u>114'</u> (iii) Width of existing bridge: <u>33'</u> (iv) Navigation clearance underneath existing bridge: <u>4.5'</u> (v) Will all, or a part of, the existing bridge be removed? (Explain) All of the existing bridge and existing piers are proposed to be removed. 	f.	 (i) Will proposed bridge replace an existing culvert? ☐Yes ⊠No If yes, (ii) Length of existing culvert: (iii) Width of existing culvert: (iv) Height of the top of the existing culvert above the NHW or NWL: (v) Will all, or a part of, the existing culvert be removed? (Explain)
g.	Length of proposed bridge: <u>155'</u>	h.	Width of proposed bridge: <u>43'</u>
i.	Will the proposed bridge affect existing water flow? □Yes ⊠No If yes, explain: Flooding source controlled by Pungo River tidal surge.	j.	Will the proposed bridge affect navigation by reducing or increasing the existing navigable opening? ⊠Yes ⊡No If yes, explain: The existing bridge has a navigational clearance of 4.5' but the proposed bridge will have a navigational clearance of 4.9' and increase span.
k.	Navigation clearance underneath proposed bridge: $4.9'$	l.	Have you contacted the U.S. Coast Guard concerning their approval? ⊠Yes ⊡No If yes, explain: Received USCG Advance Approval on July 30, 2019
m.	Will the proposed bridge cross wetlands containing no navigable waters? □Yes ⊠No If yes, explain: 	n.	Height of proposed bridge above wetlands: <u>N/A</u>
2.	CULVERTS		⊠This section not applicable

a. Number of culverts proposed: ____

b. Water body in which the culvert is to be placed:

< Form continues on back>

c. Type of culvert (construction material):

d.	 (i) Will proposed culvert replace an existing bridge? Yes No If yes, (ii) Length of existing bridge: (iii) Width of existing bridge: (iv) Navigation clearance underneath existing bridge: (v) Will all, or a part of, the existing bridge be removed? (Explain) 	e.	 (i) Will proposed culvert replace an existing culvert? ☐Yes ☐No If yes, (ii) Length of existing culvert(s): (iii) Width of existing culvert(s): (iv) Height of the top of the existing culvert above the NHW or NWL: (v) Will all, or a part of, the existing culvert be removed? (Explain)
f. h.	Length of proposed culvert: Height of the top of the proposed culvert above the NHW or NWL. Will the proposed culvert affect navigation by reducing or increasing the existing navigable opening? ☐Yes ☐No If yes, explain:	g. i. k.	Width of proposed culvert: Depth of culvert to be buried below existing bottom contour. Will the proposed culvert affect existing water flow? YesNo If yes, explain:
3. a.	(i) Will the placement of the proposed bridge or culvert require any excavation below the NHW or NWL? ☑ Yes □No If yes, (ii) Avg. length of area to be excavated: 90' (iii) Avg. width of area to be excavated: 21' (iv) Avg. depth of area to be excavated: 4.5'	b.	□ This section not applicable (i) Will the placement of the proposed bridge or culvert require any excavation within coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected. ☑ CW <u>687 sf</u> ☑ SB ☑ WL <u>82 sf</u> ☑ None

- (v) Amount of material to be excavated in cubic yards: <u>320</u> (this if for channel change)
- (ii) Describe the purpose of the excavation in these areas: Excavation is required for the spill through abutment and channel change.

	I'm Disin All -D (Bridges and Culverts, Page 3 of	1)	
C.	 (i) Will the placement of the proposed bridge or culvert require any high-ground excavation?		
d.	 If the placement of the bridge or culvert involves any excavation, plead (i) Location of the spoil disposal area: to be determined by contraction (ii) Dimensions of the spoil disposal area: to be determined by contraction (iii) Do you claim title to the disposal area? □Yes □No (<i>If no, at</i> (iv) Will the disposal area be available for future maintenance? □Yes (v) Does the disposal area include any coastal wetlands/marsh (CW) bottom (SB)? □CW □SAV □WL □SB ⊠None If any boxes are checked, give dimensions if different from (ii) ab (vi) Does the disposal area include any area below the NHW or NWL If yes, give dimensions if different from (ii) above. 	se co actor <u>ntract</u> <i>ach a</i> s , subm ove.	mplete the following: <u>or</u> <i>letter granting permission from the owner.)</i> No nerged aquatic vegetation (SAVs), other wetlands (WL), or shell]Yes ⊠No
e.	 (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed below NHW or NWL?	f.	 (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed within coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
g.	 (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed on high-ground?		
4.	GENERAL		
a.	Will the proposed project require the relocation of any existing utility lines? ⊠Yes ⊡No If yes, explain: Fiber optic, copper (telephone).	b.	Will the proposed project require the construction of any temporary detour structures? ☐Yes ⊠No If yes, explain:

If this portion of the proposed project has already received approval from local authorities, please attach a copy of the approval or certification.

< Form continues on back>

C.	Will the proposed project require any work channels? ☐Yes ⊠No If yes, complete Form DCM-MP-2.	d.	How will excavated or fill material be kept on site and erosion controlled? Use of standard NCDOT Design Standards in Sensitive Watersheds
e.	What type of construction equipment will be used (for example, dragline, backhoe, or hydraulic dredge)?	f.	Will wetlands be crossed in transporting equipment to project site? □Yes ⊠No
	Cranes, pile driving equipment, grading equipment, bull dozers, excavators, offroad trucks, and boring machines.		If yes, explain steps that will be taken to avoid or minimize environmental impacts.
g.	Will the placement of the proposed bridge or culvert require any shoreline stabilization?		
	If yes, complete form MP-2, Section 3 for Shoreline Stabilization only.		

9/16/2019

Date

B-4414 Bridge Replacement US 264 over Pungo Swamp

	·
	Project Name
Sov	Philip S. Harris III, P.E., C.P.M.
10	Applicant Name
	Carlo Dreen
	Applicant Signature



Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits

(along with corresponding Water Quality Certifications)

September 29, 2018 Ver 3

Please note: fields marked with a red asterisk * below are required. You will not be able to submit the form until all mandatory questions are answered.

Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf

A. Processing Information

County (or Counties) where the project is located:*

Beaufort

Is this project a public transportation project?*

⊙ Yes O No This is any publicly funded by municipal state or federal funds road, rail, airport transportation project.

Is this a NCDOT Project?*

• Yes • No

(NCDOT only) T.I.P. or state project number: B-4414

WBS #*

38358.1.2 (for NCDOT use only)

1a. Type(s) of approval sought from the Corps:*

Section 404 Permit (wetlands, streams and waters, Clean Water Act)

Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

1b. What type(s) of permit(s) do you wish to seek authorization?*

- Nationwide Permit (NWP)
- Regional General Permit (RGP)
- Standard (IP)

This form may be used to initiate the standard/individual permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that are not provided in the E-PCN can be added to the miscellaneous upload area located at the bottom of this form.

1c. Has the NWP or GP number been verified by the Corps?*

○ Yes ⊙ No

Nationwide Permit (NWP) Number:	23 - Categorical Exclusions	
NWP Numbers (for multiple NWPS):		
List all NW numbers you are applying for not on the drop down list.		
1d. Type(s) of approval sought from the DWR:* check all that apply		
401 Water Quality Certification - Regular		401 Water Quality Certification - Express
Non-404 Jurisdictional General Permit		Riparian Buffer Authorization
Individual Permit		
1e. Is this notification solely for the record because writte	en approval is not required?	
		*
For the record only for DWR 401 Certification:		○ Yes ⊙ No
For the record only for Corps Permit:		○ Yes ⊙ No
1f. Is this an after-the-fact permit application?*		
○ Yes		

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1g. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts? If so, attach the acceptance letter frommitigation bank or in-lieu fee program.								
© Yes	O No							
Acceptance Letter Attachment								
Click the upload button or drag and drop files here to attach do	ocument							
B-4414 - STR - RW - CM - TP 04.pdf FLETYPEM/ST BEPDF		67.94KB						
1h. Is the project located in any of NC's twenty coastal counties?*								
© Yes	C No							
1i. Is the project located within a NC DCM Ar	1i. Is the project located within a NC DCM Area of Environmental Concern (AEC)?*							
• Yes	⊂ No	C Unknown						
1j. Is the project located in a designated trout watershed?*								
C Yes ⊙ No	C Yes © No							
Link to trout information: http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx								

B. Applicant Information

1a. Who is the Primary Contact?* NCDOT

1b. Primary Contact Email:* jldilday@ncdot.gov

1d. Who is applying for the permit?*

Owner (Check all that apply)

1e. Is there an Agent/Consultant for this project?*

⊙ Yes ⊙ No

2. Owner Information

2a. Name(s) on recorded deed:* Multiple owners

2b. Deed book and page no.:

2c. Responsible party:

(for Corporations)

2d. Address*

Street Address 1000 Birch Ridge Drive

- Address Line 2 City
- Raleigh

Postal / Zip Code 27610

2e. Telephone Number:*

(xxx)xxx-xxxx (919)707-6111

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address:*

pharris@ncdot.gov

C. Project Information and Prior Project History

1. Project Information

1a. Name of project:*

Replacement of Bridge 43 over Pungo Swamp on US264, B-4414 (Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town:*

1c. Primary Contact Phone:*

(919)707-6111

Applicant (other than owner)

State / Province / Region NC Country USA

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Yeatesville

2. Project Identification

Za. Property Identification Number: Zb. Property size: (tax FNor parcel D) (in acres)
2c. Project Address
Street Address
Address Line 2
Oty State / Province / Region
Postal / Zip Code Country

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2d. Site coordinates in decimal degrees

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

Latitude:*	Longitude:*
35.531742	-76.733031
ex: 34.208504	-77.796371

3. Surface Waters

3a. Name of the nearest body of water to proposed project:*

Pungo Swamp

3b. Water Resources Classification of nearest receiving water:*

C, Sw; NSW

Surface Water Lookup

3c. What river basin(s) is your project located in?*

Tar-Pamlico

3d. Please provide the 12-digit HUC in which the project is located.*

030201040602

River Basin Lookup

4. Project Description and History

4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application:*

US 264 has a functional classification as a minor arterial. Land use in the project vicinity consists of primarily agricultural fields, forested communities, rural residential dwellings and commercial properties.

4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past?*

○ Yes ⊙ No ○ Unknown

4d. Attach an 8 1/2 X 11 excerpt from the most recent version of the USGS topographic map indicating the location of the project site. (for DWR)

Click the upload button or drag and drop files here to attach document

File type must be pdf

4e. Attach an 8 1/2 X 11 excerpt from the most recent version of the published County NRCS Soil Survey map depicting the project site. (for DWR)

Click the upload button or drag and drop files here to attach document

File type must be pdf

4f. List the total estimated acreage of all existing wetlands on the property:

4.0 acres

4g. List the total estimated linear feet of all existing streams on the property:

(intermittent and perennial) 600 linear feet

4h. Explain the purpose of the proposed project:*

The purpose of this project is to replace a structurally deficient and functionally obsolete bridge.

4i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used:*

This project is proposed to replace the 3-span, 113-foot bridge with a 3-span, 158-foot bridge on the existing alignment. The existing bridge is currently being supported by an interior "crutch" bent. Traffic will be maintained on an off-site detour. An unnamed tributary to Pungo Creek will be relocated away from the fill slope and bridge abutment. Standard road building equipment, such as truck, dozers and cranes will be used.

4j. Please upload project drawings for the proposed project.

B-4414_Permit Drawings_20190812.pdf		3.29MB
B-4414_Permit Drawings_BUFFER_20190801.	pdf	967.24KB
B4414_utilities combined.pdf		3.85MB
File type must be pdf		
5. Jurisdictional Determination	ns	
5a. Have the wetlands or streams been de	lineated on the property or proposed impact areas? igstar	
⊙ Yes	C No	C Unknown
Comments:		
5b. If the Corps made a jurisdictional deter	mination, what type of determination was made? *	
○ Preliminary ○ Approved ⊙ Not Verified ○	Unknown C NA	
Corps AID Number: Example: SAW-2017-99999		
5c. If 5a is yes, who delineated the jurisdic	tional areas?	
Name (if known):	Brian Smith	
Agency/Consultant Company:	Carolina Ecosystems	
Other:		
5d1. Jurisdictional determination upload Click the upload button or drag and drop files here to attach File type must be FDF	document	
6. Future Project Plans		
6a. Is this a phased project? *		
C Yes	No No	
Are any other NWP(s), regional general per includes other separate and distant crossi	rmit(s), or individual permits(s) used, or intended to be used, to no for linear projects that require Department of the Army auth	authorize any part of the proposed project or related activity? This orization but don't require pre-construction notification.

D. Proposed Impacts Inventory	٢

Buffers

1. Impacts Summary

Click the upload button or drag and drop files here to attach document

1a. Where are the impacts associated with y	our project? (check all that apply):
Vetlands	Streams-tributaries
C Open Waters	Pond Construction

2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

2a. Site # [*] (?)	2a1 Reason * (?)	2b. Impact type * (?)	2c. Type of W. *	2d. W. name *	2e. Forested *	2f. Type of Jurisdicition * (?)	2g. Impact area [*]
1A	Handclearing	Т	Riverine Swamp Forest	WA	No	Both	0.003 (acres)
1B	Fill/Excavation	Р	Riverine Swamp Forest	WA	No	Both	0.021 (acres)
1B	Handclearing	Т	Riverine Swamp Forest	WA	No	Both	0.010 (acres)
1C	Fill/Excavation	Р	Riverine Swamp Forest	WD	Yes	Both	0.037 (acres)
1C	Handclearing	Т	Riverine Swamp Forest	WD	Yes	Both	0.025 (acres)
1D	Handclearing	Т	Riverine Swamp Forest	WB	No	Both	0.005 (acres)
1E	Fill/Excavation	Р	Riverine Swamp Forest	WB	No	Both	0.040 (acres)
1E	Handclearing	Т	Riverine Swamp Forest	WB	No	Both	0.023 (acres)

1F	Fill	Р	Riverine Swamp Forest	WC	No	Both	0.041
							(acres)

2g. Total Temporary Wetland Impact

0.066

2g. Total Permanent Wetland Impact

0.139

2g. Total Wetland Impact

0.205

2h. Comments:

Due to rounding, the total wetland impact rounds to 0.15 ac. Proposed mitigation is for 0.15 ac. Of this amount, 0.07 ac. is for coastal marsh and 0.08 ac. is for riparian wetlands. Additionally, there will be <0.01 acre of temporary fill in wetlands in the hand clearing areas for erosion control measures.

3. Stream Impacts

If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted. "S." will be used in the table below to represent the word "stream".

	3a. Reason for impact * (?)	3b.Impact type *	3c. Type of impact *	3d. S. name *	3e. Stream Type * (?)	3f. Type of Jurisdiction [*]	3g. S. width *	3h. Impact length *
S1	1B-Bridge Abutment	Permanent	Fill	Pungo Swamp	Perennial	Both	90 Average (feet)	42 (linear feet)
S2	1B-Bridge Abutment	Temporary	Fill	Pungo Swamp	Perennial	Both	90 Average (feet)	14 (linear feet)
S3	2-Channel Relocation	Permanent	Relocation	SB-UT to Pungo Swamp	Perennial	Both	15 Average (feet)	105 (linear feet)
S4	2-Channel Relocation	Temporary	Relocation	SB-UT to Pungo Swamp	Perennial	Both	15 Average (feet)	9 (linear feet)
S5	3-Work Bridge	Temporary	Workpad/Causeway	Pungo Swamp	Perennial	Both	90 Average (feet)	42 (linear feet)

** All Perennial or Intermittent streams must be verified by DWR or delegated local government.

3i. Total jurisdictional ditch impact in square feet:

0

3i. Total permanent stream impacts:

147

3i. Total temporary stream impacts:

65

3i. Total stream and ditch impacts:

212

3j. Comments:

Site 3-temporary work bridge was calculated as the area of the existing bridge deck. Actual work bridge impact is unknown until decided by the contractor after Let. The temporary impact amount given is the worst case scenario.

Impacts to Pungo Creek due to interior bents is approximately 168 sqft.

6. Buffer Impacts (for DWR)

If project will impact a protected riparian buffer, then complete the chart below. Individually list all buffer impacts below.

6a. Project is in which protect basin(s)?*

Check all that apply.	
Neuse	🔽 Tar-Pamlico
🗌 Catawba	Randleman
Goose Creek	🗖 Jordan Lake
C Other	

6b. Impact Type * (?)	6c. Per or Temp * (?)	6d. Stream name *	6e. Buffer mitigation required?*	6f. Zone 1 impact *	6g. Zone 2 impact*
Site 1 Parallel, Allowable w/ mitigation	Ρ	SA	Yes	1,085 (square feet)	0 (square feet)
Site 1 Road Crossing, Allowable	Ρ	Pungo Creek	No	1,077 (square feet)	805 (square feet)
Site 1 Bridge, Allowable	Ρ	Pungo Creek	No	1,302 (square feet)	80 (square feet)

6h. Total buffer impacts:

 \bigcirc

6i. Comments:

Wetlands in buffers for site 1 total 1,556 sqft in zone 1 and 808 sqft in zone 2. Mitigation for wetland impacts exceeds the mitigable impact for buffers, so no mitigation is proposed for the parallel buffer impact.

Supporting Documentation - i.e. Impact Maps, Plan Sheet, etc.

Click the upload button or drag and drop files here to attach document

File must be PDF

E. Impact Justification and Mitigation

1. Avoidance and Minimization

1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project:*

This bridge replacement was originally designed on new alignment about 50 feet upstream of existing; however, per agency comment, it was redesigned on existing alignment which reduced total wetland impacts from over 1 acre to less than 0.3 acres and reduced permanent channel change impacts from 236 feet to 105 feet. The typical roadway section is the minimum width per roadway design standards while the fill slopes are set to the maximum slope per geotechnical recommendations. Slopes along the unnamed tributary in the northwest quadrant have been further steepened with rock plating. NCDOT Design Standards in Sensitive Watersheds will be employed. See Stormwater Management Plan for additional measures.

1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques:*

Project was redesigned to replace bridge on existing alignment using an offsite detour to reduce impacts. The proposed bridge will have no direct discharge into the water. No roadside ditching is proposed at any of the quadrants of the bridge.

2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

2a. Does the project require Compensator	y Mitigation for impacts to Waters of t	he U.S. or Waters of the State?
© Yes	C No	
2c. If yes, mitigation is required by (check	all that apply):	
V DWR	Corps	
2d. If yes, which mitigation option(s) will be	e used for this project?	
Mitigation bank Payment to in-lieu fee program	Permittee Responsible Mitigation	
4. Complete if Making a Paym	ent to In-lieu Fee Program	1
4a. Approval letter from in-lieu fee program	n is attached.	
⊙ Yes ⊂ No		
4b. Stream mitigation requested:		
(linear feet)		4c. If using stream mitigation, what is the stream temperature:
147		warm
NC Stream Temperature Classification Maps ca	n be found under the Mitigation Concepts	s tab on the Wilmington District's RIBITS website.
4d. Buffer mitigation requested (DWR only)	:	4e. Riparian wetland mitigation requested:
(square feet)		(acres)
0		0.08
4f. Non-riparian wetland mitigation request	ted:	4g. Coastal (tidal) wetland mitigation requested:
(acres)		(acres)
0		0.07

4h. Comments

6. Buffer mitigation (State Regulated Riparian Buffer Rules) - required by DWR

6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation? If yes, you must fill out this entire form - please contact DWR for more information.

O Yes

No

O No

F. Stormwater Management and Diffuse Flow Plan (required by DWR)

*** Recent changes to the stormwater rules have required updates to this section .***

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1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

• Yes

1b. All buffer impacts and high ground impacts require diffuse flow or other form of stormwater treatment. If the project is subject to a state implemented riparian buffer protection program, include a plan that fully documents how diffuse flow will be maintained.

All Stormwater Control Measures (SCM)s must be designed in accordance with the NC Stormwater Design Manual. Associated supplement forms and other documentation shall be provided.

What type of SCM are you providing?

Level Spreader

- Vegetated Conveyance (lower SHWT)
- Wetland Swale (higher SHWT)
- Other SCM that removes minimum 30% nitrogen
- Proposed project will not create concentrated stormwater flow through the buffer
- (check all that apply)

For a list of options to meet the diffuse flow requirements, click here.

Diffuse Flow Documentation

Olick the upload button or drag and drop files here to attach document File type must be FDF

2. Stormwater Management Plan

2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250?*

1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?*

• Yes • No

Comments:

G. Supplementary Information

1. Environmental Documentation

© Yes	C No
1b. If you answered "yes" to the above, does Environmental Policy Act (NEPA/SEPA)?*	s the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina)
© Yes	C No
1c. If you answered "yes" to the above, has t	the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) *
Voc	

NEPA or SEPA Final Approval Letter

Click the upload button or drag and drop files here to attach document FILE TYPE MUST BE PDF

2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)?*

3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?*

3b. If you answered "no," provide a short narrative description.

Implementation of the proposed Build Alternative would not contribute, in conjunction with past, present, or future projects, to substantial adverse cumulative effects on resources in the study areas.

4. Sewage Disposal (DWR Requirement)

4a. Is sewage disposal required by DWR for this project?*

○ Yes ○ No ⊙ N/A

5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an a	rea with federally protected species or habit	tat?*
Yes	C No	
5b. Have you checked with the USFWS co	oncerning Endangered Species Act impacts?	*
© Yes	C No	
5c. If yes, indicate the USFWS Field Office Raleigh	e you have contacted.	
5d. Is another Federal agency involved?	*	
C Yes	© No	C Unknown
5e. Is this a DOT project located within Di ⊙ Yes O No	ivision's 1-8? *	
5j. What data sources did you use to dete	ermine whether your site would impact Enda	ngered Species or Designated Critical Habitat? *
N.C. Natural Heritage Program database; USF which include green sea turtle, Kemp's ridley manatee, dwarf wedgemussel, Tar River spin Northern long eared bat and West Indian mar conclusion of "May Affect, Likely to Adversely Indian manatee has a biological conclusion of West Indian Manatee: Precautionary Measure loosestrife and sensitive joint-vetch is present were observed. No eagles or eagle nests wer	FWS-Raleigh Field Office website;biological surver sea turtle, red knot, red wolf, red-cockaded wood ymussel, Atlantic sturgeon, rough-leaved loosest natee received biological conclusions of "No Effect / Affect and is covered under a programmatic biol f "May Affect, Not Likely to Adversely Affect" NCD es for Construction Activities in North Carolina Wa ti in the study area, however surveys were condu- re observed within 660 feet of the study area.	eys for protected species listed for Beaufort County, pecker (RCW), Northern long eared bat, West Indian rife and sensitive joint-vetch. All species, except tt". The Northern long eared bat has a biological ogical opinion with the USFWS for this project. West OT will adhere to "Guidelines for Avoiding Impacts to the aters" during construction. Habitat for rough-leaved cted on 6/14/2019, for the species and no specimens
Consultation Documentation Upload		
Click the upload button or drag and drop files here to attac File type must be FDF	ch document	
6. Essential Fish Habitat (Co	orps Requirement)	
6a. Will this project occur in or near an a	rea designated as an Essential Fish Habitat?	*
• Yes	C No	
Are there submerged aquatic vegetation	، (SAV) around the project vicinity? *	
O Yes	© No	O Unknown
6b. What data sources did you use to det	termine whether your site would impact an E	ssential Fish Habitat? [*]

NMFS County Index

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: http://gis.ncdcr.gov/hpoweb/

7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?*

 No
 C Yes

7b. What data sources did you use to determine whether your site would impact historic or archeological resources?* NEPA documentation

7c. Historic or Prehistoric Information Upload Click the upload button or drag and drop files here to attach document

File must be PDF

8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: https://msc.fema.gov/portal/search

8a. Will this project occur in a FEMA-designated 100-year floodplain?* • Yes O No

8b. If yes, explain how project meets FEMA requirements: NCDOT Hydraulics Unit coordination with FEMA

8c. What source(s) did you use to make the floodplain determination?* FEMA maps

Miscellaneous

Comments

Miscellaneous attachments not previously requested.

Click the upload button or drag and drop files here to attach document. File must be PDF or $K\!N\!Z$

Signature

*

- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

Full Name:*

Mack Christopher Rivenbark, III

Signature

Mack C. Rivenbank, III

Date

9/16/2019

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ROY COOPER Governor MICHAEL S. REGAN Secretary TIM BAUMGARTNER Director

August 30, 2019

Mr. Philip S. Harris, III, P.E. Environmental Analysis Unit North Carolina Department of Transportation 1598 Mail Service Center Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

B-4414, Replace Bridge 43 over Pungo Creek on US 264, Beaufort County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory stream and wetland mitigation for the subject project. Based on the information supplied by you on August 28, 2019, the impacts are located in CU 03020104 of the Tar-Pamlico River basin in the Northern Outer Coastal Plain (NOCP) Eco-Region, and are as follows:

Tar-Pamlico		Stream			Wetlands		Buffer	(Sq. Ft.)
03020104 NOCP	Cold	Cool	Warm	Riparian Non- Coastal Riparian Marsh			Zone 1	Zone 2
Impacts (feet/acres)	0	0	147.0	0.08	0	0.07	0	0

*Some of the stream and/or wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

The impacts and associated mitigation needs were under projected by the NCDOT in the 2019 impact data. DMS will commit to implement sufficient compensatory stream and wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Beth Harmon at 919-707-8420.

Sincerely,

James B. Stanfill DMS Asset Management Supervisor

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office Ms. Amy Chapman, NCDWR File: B-4414



North Carolina Department of Environmental Quality | Division of Mitigation Services 217 W. Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652 919.707.8976

Version 2.08; Released A	April 2018)		P 4414	North (ST	Carolina Departmo Highway Stormw ORMWATER MAN FOR NCDOT I	ent of Transportatic /ater Program NAGEMENT PLAN PROJECTS	on			
WBS Element.	30330.1.2	TIP NO.:	D-4414		County(les):	Beauloit				
		· -			General Project	Information		_		
WBS Element:		38358.1.2		TIP Number:	B-4414		Project	Туре:	Bridge Replac	ement
NCDOT Contact:		Jacquelyn Bowles	, PE			Contractor / Desig	iner:	TGS Eng	ineers (David B. F	Petty, PE
	Address:	1581 Mail Service Raleigh, NC 2769	Center 9-1581				Address:	706 Hillst Suite 200 Raleigh N	borough Street) NC. 27603	
	Phone:	919-707-6559					Phone:	919-773-	8887 ext. 104	
	Email:	ikbowles@ncdot.g	ον				Email:	dpettv@t	asenaineers.com	
Citv/Town:			Pan	teao		Countv(ies):	Beau	Ifort		
River Basin(s):		Tar-Pa	mlico			CAMA County?	Ye	s		
Wetlands within Pro	ject Limits?	Yes								
	,		•		Project Des	cription				
Project Length (lin.	miles or feet):	1000) ft	Surroundin	g Land Use:	Woods, Farmland a	and Rural Resi	dential		
		1000	·	Proposed Pro	iect				Fxis	sting Sit
Project Built-Upon A	Area (ac.)		0.9		ac			0.7		ac
Typical Cross Section	on Description:	Two 12' paved trav	vel lanes with 2'	to 8' paved shou	Iders and 3' to 6' o	arass shoulders.	Two 12' pave	d travel la	nes with 3' to 4' pa	aved sho
Annual Avg Daily Tr General Project Nar (Description of Mini Quality Impacts)	affic (veh/hr/day): rative: mization of Water	Design/Future: Replacement of B bridge to replace e is to flow to traffic All proposed storn allowed to run off t The project will rec temporary work br	ridge No. 06004 existing 114' long bearing grated in nwater runoff is o the roadway and quire a channel o idge (conceptua	7800 3 on US 264 over g by 33' wide thro- nlets on each sid discharged at the I down the grass change for a por I footprint showr	Year: er Pungo Swamp ir ee-span bridge. Ti de of the bridge wh e lowest practicable ed slopes before e tion of UT to Pung n on sheet 4) is pro	2040 n Beaufort County so he proposed bridge want here it will be diffused e velocities adjacent entering wetlands or l o Swamp (SB) in the oposed for removal of formation	Existing: buthwest of Par will have no dir I with a riprap p to wetlands in buffers. No roa northwest qua f the existing b	ntego, NC. ect discha bad at the all four qu adside dito adrant whio ridge and	5720 Proposed 155' (arge into the water proposed pipe ou adrants outside c ching is proposed ch will be construct construction of th	1@45', 1 5 Storm Itlets and of Buffer at any c cted usin e propos
Surface Water Body	· (1)·		Pungo	Swamp	waterbouy ini	NCDWR Stream In	dex No :			20 1
NCDWR Surface Wa	ter Classification fo	r Water Body	Fungo	Primary Classi	ification:	Class				29-
Other Streem Olassi	fication	NI		Supplemental		Swamp Wate	ers (SW)		(14577)	
Uner Stream Class	incation:	Nor								
A subtic TOF Or state	- 2	Nor	Comment	Construction		n Ouidalin fan A	ialia ar luc		t Indian Manual	
Aquatic T&E Specie	51	Yes	Comments:	Construction ad	cuvities to adhere t	o Guidelines for Avo	iding impacts t		indian Manatee	
NRIR Stream ID:		Pungo Creek (SA)		.				Butter R	uies in Effect:	
Project Includes Bri	age Spanning Water	r Body?	Yes	Deck Drains D	Ischarge Over Bu	ITTER?	No	Dissipate	or Pads Provided	<u>a in Buf</u>
Deck Drains Discha	rge Over Water Body	<u>y?</u>	No	(IT yes, pro	vide justification in	ule General Project	ivarrative)	(IT yes	, describe in the G	Jeneral
(If yes, provi	de justification in the	General Project Na	rrative)						Gel	neral Pro

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Page	1		of	1	
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Project N oject Nar	larrative rative)	e; if no	, justify	/ in the	









	PROJECT REFERENCE NO.	SHEET NO.
RWIT DRAWINGS	B-4414	5
	RW SHEET NO.	
PK B-4414	ENGINEER	ENGINEER
AUFORT COUNTY		
DGE #060043		
PERAALT DRAMING		
SHEET A OF 6	TCS TGS ENGIN	EERS
STILLT 4 OT 0	ENGINEERS 706 HILLSE	BOROUGH ST)
	RALEIGH, NO PH (919) 77	C 27603 73-8887
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FILL IN WETLANDS	HAND CLEARING	
	in wetlands	
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				WETLAND IMPACTS						SURFACE WATER IMPACTS			
Site	Station (From/To)	Structure	Stream Map ID	Permanent Fill In Wetlands	Temp. Fill In Wetlands	Excavation in Wetlands	Mechanized Clearing	Hand Clearing in Wetlands	Permanent SW	Temp. SW	Existing Channel Impacts Permanent	Existing Channel Impacts	Natura Strean
NO.	(11011/10)	Size / Type	Map ID	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1A	L 19+74 to 20+69 LT	Roadway						< 0.01		()			
1B	L 22+61 to 24+38 LT	Roadway	Pungo Swamp	< 0.01		0.02		0.01	0.01	< 0.01	42	14	
1C	L 25+22 to 27+62 LT	Roadway		0.04		< 0.01		0.03					
1D	L 19+74 to 20+54 RT	Roadway						< 0.01					
1E	L 22+13 to 24+35 RT	Roadway		0.04		< 0.01		0.02					
1F	L 25+46 to 29+75 RT	Roadway		0.04		< 0.01		0.05					
2	L 23+08 to 24+22 LT	Roadway	UT to Pungo Swamp (SB)						0.03	< 0.01	105	9	
3	L 24+21 to 25+31	Temporary Work Bridge	Pungo Swamp							< 0.01			
τοται	S*·			0 12		0.02		0 11	0.04	0.02	147	23	0

1) Wetland impacts listed above are both 404 and CAMA Wetlands.

CAMA wetlands are Sites 1A, 1B, and 1F (0.05 ac Permanent Fill, 0.02 ac Excavation, 0.06 ac Hand Clearing)

404 wetlands are Sites 1C, 1D, and 1E (0.08 ac Permanent Fill, <0.01 ac Excavation, 0.05 ac Hand Clearing)

2) <0.01 acres (approx. 25 sq ft) of Permanent SW impacts for interior bents at -L- 24+46 and -L- 25+01.

3) <0.01 acres of Temporary Fill in Wetlands in the Hand Clearing areas for erosion control measures.

4) Site 3: <0.01 acres of Temp SW impacts for temp work bridge interior bents between -L- 24+21 & 25+31.

Revised 2018 Feb

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 8/27/2019 BEAUFORT COUNTY B-4414 38358.1.2 SHEET 6 OF 6



	STATE S	TATE PROJECT REFERENCE NO.	SHEET TOTAL NO. SHEETS
	N.C.	B-4414	1
	STATE PROJ.NO.	F. A. PROJ. NO.	DESCRIPTION
	<u>38358.1.2</u> 38358.2.1	BRSTP-0264(31)	PE R/W & UTIL
	38358.3.1	N/A	CONST.
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SIGNATURE:	<u>P.E.</u>		
<u>.E.</u> ROADWAY	DESIGN		
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_			
SIGNATURE:	<i>P.E.</i>	L .	



						IMF	PACTS		1			BUF	FFER
				TYPE ALLOWABLE		TYPE ALLOWABLE MITIGABLE			E	REPLACEMENT			
Site No.	Station (From/To)	Structure Size / Type	ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE (ft ²)
1	L 22+99 to 23+67 LT	Roadway			Х				1085	0	1085		
1	L 23+62 to 26+14	Roadway	Х			1077	805	1882					
1	L 23+94 to 25+64	Bridge		Х		1302	80	1382					
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OTAL	S*:					2379	885	3264	1085	0	1085	0	0
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SITE NO.	STATION (FROM/TO)		ZONE 1 (ft ²)	ZONE 2 (ft ²)	
1	L 22+99 to 26+14 LT	Roadway/Bridge	1556	808	
TOTAL:			1556	808	

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B-4414 NEU ENVIRONMENTAL PERMIT NARRATIVE

CenturyLink Telephone- CenturyLink will abandon all buried cables on the North and South side of US 264 and remove the aerial cable and poles on the North side. The existing poles will be removed by bucket truck, which will swing out from the road, hooking a wench to and removing the pole without creating impacts to the wetland boundaries. CenturyLink will trench a new copper and fiber cable 15' inside the existing right of way beginning approximately 285' west of the project limits and continue for an additional 190', inside the project limits, to a bore pit located at approximate Station -L- 21+68, left of center. CenturyLink will bore a 4" SDR 11 conduit, 15' below the stream bed, for approximately 427' while gradually surfacing to the receiving bore pit located outside of the project limits. From the receiving bore pit, CenturyLink will trench approximately 14' back to the nearest pedestal. There will be no disturbance to the wetland boundaries, stream or buffer zones from the installation of CenturyLink's facilities. Contact Mr. Rod Medlin; <u>medlinr@outsource-inc.com</u> CenturyLink; 606 Winstead Road, Greenville; NC 27834; Phone: (252) 439-1932.

Tri-County Broadband Telecommunications – Tri-Country broadband has two fiber optic cables located at the back of the existing NCDOT Right of Way on the North Side of US 264. These fiber cables are out of conflict and will not require relocating. Contact Mr. Seth Hartman; <u>sethhartman@myriverstreet.net</u> Tri-County Broadband; 2193 NC 99 Hwy, South Belhaven; NC 27810; Phone: (252) 964-8252.

Tideland EMC - Tideland EMC has aerial electrical facilities on the South side of the project limits. Tideland EMC does not have conflicts with construction and will not require relocating. Contact Mr. Adam Fyle; <u>adamfyle@tidelandemc.com</u> Tideland EMC; P.O. Box 159, Pantego; NC 27860; Phone: (252) 943-3046.

Beaufort County Water - Beaufort County Water has a 12" waterline on the South side of US 264. This line is not in conflict with the construction of the project and will not require relocating. Contact Mr. Erick Jennings; <u>Erick.jennings@co.beaufort.nc.us</u> Beaufort County Water; 132 West 2nd street, Washington; NC 27889; Phone: (252) 402-6547.



OF SHEETS	UTILITY OWNERS WITH CONFLICTS	PREPAR
DESCRIPTION:	(A) COMMUNICATIONS – CENTURYLINK	Mic
TITLE SHEET		INTE Michael Ba
UE PLAN SHEETS		8000 Rege Cary, NC 2 919-463-54
UE PROFILE		Daniel Oliver
		Daniel Oliver
		Christina Newsome

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August 28, 2019

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