Project Submittal Interim Form



NORTH CAROLINA Environmental Quality

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.

Project Type:*

- New Project
- O Pre-Application Submittal
- C Other Agency Comments
- C For the Record Only (Courtesy Copy)
- O New Project with Existing ID
- More Information Response
- C Stream or Buffer Appeal

Is this supplemental information that needs to be sent to the Corps?*

• Yes
• No

New Project - Please check the new project type if you are trying to submit a new project that needs an official approval decision.

Pre-Application Submittal - Please check the pre-application submittal if you just want feedback on your submittal and do not have the expectation that your submittal will be considered a complete application requiring a formal decision.

More Information Response - Please check this type if you are responding to a request for information from staff and you have and ID# and version for this response.

Other Agency Comments - Please check this if you are submitting comments on an existing project.

Project Contact Information

Name: Gordon Cashin Who is submitting the information?

Email Address: * gcashin@ncdot.gov

Project Information

Existing ID #:*	Existing Version:*
20190104	1
20170001 (no dashes)	1

Project Name:* Bridge No. 57 on US 13 over Quioccosin Swamp, B-4916 (Central)

Is this a public transportation project?*

- Yes
- O No
- Is this a DOT project?*
- Yes
- No

Is the project located within a NC DCM Area of Environmental Concern (AEC)?*

C Yes ⊙ No C Unknown

County (ies)*

Bertie

Please upload all files that need to be submited.

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

B4916_PermitPlansandImpact_20200617.pdf 4.95MB

Only pdf or kmz files are accepted.

Describe the attachments or add comments:

This is a modification request for the existing 401 Water Quality Certification issued March 4, 2019 NCDWR Project No. 20190104 and Corps of Engineers Action ID. No. SAW-2019-00217 issued March 11, 2019.

The project final field inspection (post-construction) was held with the contractor on June 8, 2020, and several issues were noted related to the permits. A site visit was held on June 10, 2020 with DWR and Corps of Engineers staff to review the project. These revised drawings incorporate what was agreed to during the site visit.

Project impacts have been revised to account for an increased amount of permanent fill in wetlands (an increase of 0.059 acre). Temporary fill impacts and excavation impacts to wetlands have been reduced, by a total of 0.074 acre. Rounding to 2 decimal places, the project has revised impacts of 0.10 (0.095) acre of permanent fill, 0.25 acre of temporary fill, and <0.01 ac (0.007) of excavation in wetlands.

Since the site visit, the contractor has returned to the project and removed the temporary fill.

Compensatory Mitigation will be requested from NCDMS if required.

* 🔽 By checking the box and signing box below, I certify that:

- I have given true, accurate, and complete information on this form;
- I agree that submission of this 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 online form."

Signature:*

Hack C. Riverbank, III

Submittal Date:

Is filled in automatically once submitted.

Version 2.08; Released	April 2018)		North Car Hi STOR	olina Departm ghway Stormw MWATER MAN FOR NCDOT I	ent of Transportatio rater Program NAGEMENT PLAN PROJECTS	n			_					
WBS Element:	40089.1.2	TIP No.:	B-4916		County(les):	Bertie				Page	1	of 3		
				G	eneral Project	Information	1							
WBS Element:		40089.1.2		TIP Number:	B-4916		Project	Туре:	Bridge Replacement		Date:	March 2019		
NCDOT Contact:	Address	Dan Duffield, PE				Contractor / Desig	ner:	Leah Young	J, PE					
	Address:	1020 Birch Ridge	e Dr				Address:	4505 Falls of	of Neuse Road					
		Raleigh, NC						Suite 400						
		27610				-		Raleigh, NC	27609					
	Phone:	(919) 707-6611				-	Phone:	(919) 783-9	214					
City/Texan	Email:	<u>acaumeia@ncao</u>	<u>t.gov</u>	/ •		County/icolu	Email:	Lean. Young	<u>(@KCI.COM</u>					
City/Town:		Cho	IN.			County(les):	Der							
River Dasili(s). Wetlands within Pro	iact Limits?	Yes	wall			CAWA County?	Te	:5						
Wettands within 110	Jeet Linnts :				Project Des	cription								
Project Length (lin	miles or feet):	0 152	miles	Surrounding	and Use.	Forest/Agriculture/S	Swamp							
r roject Length (ini. i		0.102	THICS	Proposed Project	1	· · · · · · · · · · · · · · · · · · ·			Existing 9	Site				
Project Built-Upon A	rea (ac.)		0.8		ac.			0.6	ac.					
Typical Cross Section	on Description:	-L- STA. 10+86.5	0 TO STA. 11+50	0.00 and -L- STA. 1	19+70.00 TO ST	A. 20+33.50 have	21' paved roa	dway with 3'	paved shoulder					
		11-12' lanes at e: 16+02.10 TO ST STA. 15+17.14 T	17.10 and -L- STA. pridge section (L- /ith TL-3 guardrail	·										
Annual Avg Daily Tr	Annual Avg Daily Traffic (veh/hr/day): Design/Future:			5400	Year	2040	Existing:	sting: <u>3700</u> Year: <u>2015</u>						
(Description of Minin Quality Impacts)	mization of Water	proposed bridge w ult in both tempora ilt before constructi losed project limits. ill in wetlands impa ds, < 0.01 AC of pe e proposed bridge p ch. The ditch termin right (east) side of t of the wetland and ngth of the propose dway shoulders and	Waterbook Int	tormation	at the end ber here will be a ll use reforesta ized by steepe 4.71 RT. The f d 0.01 AC of te The deck runof isting wetland nlet/pipe syste ve velocities. The ed for treatme s prior to enter	nts. Placeme permanent c ation to resto ning fill slope total project emporary sur ff on the left elevation. Fl em to an exis The drainage ent and are li ring the strea	ant and construction of hannel change locate re areas of temporary as where appropriate. Impacts will result in (face water impacts. F (west) side of the brid ow from the ditch ent ting vegetated base of a area to each ditch do sted as such on the " m.	the proposed of the proposed wetland imp There will b 0.09 AC of p Riparian buff lige discharg ers the wetla ditch with 3:1 oes not char Swales" sun	ied bridge ied bridge bridge ermanent er rules do es to throu and at with l or flatter nge from e nmary she	end bents, caps e existing bridge. Inent channel fill in wetlands, not apply for the Igh an I non-erosive side slopes. The existing to the the channel side slopes. The				
Surface Water Body	(1).		Quioccos	in Swamp	Trater body III	NCDWR Stream In	dex No :		25	-14-1-6-2				
Canado Mater Dody	\·/·		Quicous	Primary Classific	ation:	Clase (20	11-1-0-2				
2				Supplemental Cla	assification:	Nutrient Sensitive V	Vaters (NSW)					1		
Other Stream Classi	fication:	No	ne											
Impairments:		No	ne											
Aquatic T&E Specie	s?	No	Comments:	N/A										
NRTR Stream ID:		N/A						Buffer Rule	es in Effect:			N/A		
Project Includes Bri	dge Spanning Wate	r Body?	Yes	Deck Drains Disc	harge Over Bu	Iffer?	No	Dissipator	Pads Provided in B	uffer?		N/A		
Deck Drains Discha	rge Over Water Bod	y?	No	(If yes, provide	e justification in	the General Project	Narrative)	(If yes, d	escribe in the Genera	al Project Na	rrative; if r	10, justify in the		
(If yes, provid	de justification in the	- General Project N	arrative)						General F	Project Narra	ative)			

(Version 2.	North Carolina Department of Transportation Highway Stormwater Program Highway Stormwater Program STORMWATER MANAGEMENT PLAN Version 2.08; Released April 2018) FOR NCDOT PROJECTS														
	WBS Element: 40089.1.2 TIP No.: B-4916 County(ies): Bertie									Page	2	of	3		
	Ctation & Canudinatas		Baaa	Frent	Deak	Ducinous	Swales	Actual	Longitudinal					Beek	DMD
Sheet No.	(Road and Non Road Projects)	Surface Water Body	Width (ft)	Slope (H:1)	Slope (H:1)	Area (ac)	Treatm't Length (ft)	Length (ft)	Slope (%)	Q2 (cfs)	V2 (fps)	Q10 (cfs)	V10 (fps)	Checks Used	Associated w/ Buffer Rules?
4	-L- 14+007.55 RT -I - 14+84 71 RT	(1)Quioccosin Swamp	3.0	3.0	3.0	6.2	620	78	2.19%	9.9	3.2	12.9	3.4	No	No
	2														
4	-L- 18+19.65 LT -L- 19+50.00 LT	(1)Quioccosin Swamp	2.0	3.0	3.0	2.1	210	130	0.30%	4.9	1.4	6.4	1.5	Yes	No
4	-L- 19+50.00 LT -L- 20+00.00 LT	(1)Quioccosin Swamp	2.0	3.0	3.0	2.1	210	50	4.17%	4.9	3.8	6.4	4.0	Yes	No
4	-L- 18+00.00 RT -L- 20+00.00 RT	(1)Quioccosin Swamp	0.0	3.0	3.0	0.7	70	150	1.01%	2.0	0.8	2.6	2.0	No	No
		-													
		-													
		-	<u></u>												
		-													
		-													
						-	Additional Commer	nts							

Highv Sto	Vay ornwater execution 8; Released April 2018)		North	Carolina Departmo Highway Stormw TORMWATER MAN FOR NCDOT P	ent of Transpor ater Program AGEMENT PLA ROJECTS	tation N				
	WBS Element		TIP No.:	B-4916	County(ies):	Bertie			Page 3	of 3
			Preform	ned Scour Holes a	nd Energy Diss	ipators				
Sheet No.	Station & Coordinates (Road and Non Road Projects)	Surface Water Body	Energy Dissipator Type	Riprap Type	Drainage Area (ac)	Conveyance Structure	Pipe/Structure Dimensions (in)	Q10 (cfs)	V10 (fps)	BMP Associated w/ Buffer Rules?
4	-L- STA 14+85 LT	(1)Quioccosin Swamp	Riprap Pad at Outlet	Class 'B'	0.03	Pipe	15	0.3	1.0	N/A
4	-L- STA 16+34 LT	(1)Quioccosin Swamp	Riprap Pad at Outlet	Class 'B'	0.04	Pipe	15	0.4	1.7	N/A
-		-								
		-								
		-								
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]								
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		_								
				Additional C	omments					
* Refer to th	e NCDOT Best Management Pr	actices Toolbox	(2014), NCDOT Standards	s, the Federal Highway	Administration (F	HWA) Hydraulic Encineer	ring Circular No. 14 (HEC-	14), Third Editior	1. Hydraulic Desi	ign of Energy



STATE	SHEET NO.	TOTAL SHEETS					
	1						
E PROJ.NO.	F. A. PROJ. NO.		DESCRIPTION				
89.1.2			P.E.				
	state e proj no. 89.1.2	STATE PROJECT REPERENCE NO. B—4916 E PROJ. NO. P. A. PROJ. NO. 89.1.2	B-4916 E PROJ. NO. F. A. PROJ. NO. 89.1.2	STATE PROJECT REPERENCE NO. SHEET NO. B-4916 1 E PROJ.NO. P.A.PROJ.NO. DESCRIPT. 89.1.2 P.E.			





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Revised 6/16/2020



































				w	ETLAND P	ERMIT IMP	ACT SUMI	MARY				
				WET	FLAND IMPA	VCTS			SURFA	CE WATER IN	MPACTS	
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
			< 0.01	(00)	(40)	(40)	(00)	(40)	(40)	(11)	(11)	(11)
1	-L- 11+38 LT TO 12+04 LT -L- 11+50 RT TO 15+36 RT	WE I LAND FILL, EXCAVATION DUE TO ROADWAY, & PERMANENT STREAM RELOCATION	0.08	0.19	< 0.01							
2	-L- 15+81 LT TO 16+26 LT	WETLAND FILL & EXCAVATION DUE TO	< 0.01	< 0.01	< 0.01							
-	-L- 15+94 RT TO 16+96 RT	ROADWAY	< 0.01	0.10	< 0.01							
3	-L- 15+35 CL TO 15+85 CL	BRIDGE #57 REPLACEMENT; 1 @ 85' - 45" GIRDER; 40' CLEAR ROADWAY WIDTH							0.01			
TOTALS*	totals are sum of actual impac	ts	0.1	0.25	< 0.01	0.00	0.00		0.01	0	0	0
NOTES:									NC D	EPARTMENT	OF TRANSPC	RTATION
										DIVISION C Revised B B-	DF HIGHWAY d 6/16/20 ertie 4916	S
										400	89.1.2	
ead Santamber (2014								SHEET	24	OF	24