



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

March 7, 2022

N.C. Division of Coastal Management
1638 Mail Service Center
Raleigh, NC 27699-1638

ATTN: Ms. Cathy Brittingham, NCDOT Coordinator

Subject: **Certification for DCM Consistency** for the proposed US 70 Havelock Bypass in Craven County. TIP No. R-1015. WBS 34360.1.2.

Dear Madam:

The purpose of this letter and information package is to revise our request for concurrence from the Division of Coastal Management (DCM) for the North Carolina Department of Transportation's (NCDOT) Consistency Certification for the Havelock Bypass project. As you are aware, the NCDOT is constructing a new US 70 bypass of Havelock, Craven County, and NCDOT has obtained a U.S. Army Corps of Engineers (USACE) Section 404 Individual Permit and a N.C. Division of Water Resources (DWR) Individual 401 Water Quality Certification.

The contractor and Division 2 have found certain components of our existing permit that require modification. The purpose of this letter is to provide permit drawings depicting these changes in the project plans and to request a modification to the project's approval.

Several modifications are being made in the project design:

Site 3: (MSC Walls) The fill section needs to be extended out further due to the elevation of the MSE wall. The slope will have to extend further out to match the existing grade.

Fill: increase 0.11 ac (change of 0.10 ac in the page summary)

Mech Clearing: increase 0.01 ac

Site 5: Excavation is needed for the footers, therefore the hand clearing and mechanized clearing will need to be changed to excavation in wetlands. Also, the contractor needs to install a RR crossing for construction. In doing so, it will require temporary fill in wetlands.

Temp Fill: increase 0.13 ac

Excavation: increase 0.11 ac

Mech Clearing: increase 0.04 ac

Hand Clearing: decrease 0.08 ac

Site 35B: Excavation is needed in wetlands to allow for positive drainage for an adjacent pipe.

Excavation: increase 0.01 ac

Mech Clearing: increase <0.01 ac (no change in summary sheet total)

In summary, proposed permanent and temporary wetland impacts are as follows:

- Permanent fill increases 0.11
- Mechanized clearing increases 0.05
- Excavation increases 0.12
- Temporary fill increases 0.13
- Hand clearing decreases 0.08

Revised permit drawings are attached, along with an updated acceptance letter from the NC Division of Mitigation Services.

NCDOT has reviewed the State's coastal program under 15 CFR 930.58 and 15A NCAC 07M. Specifically, we have considered the shoreline erosion, mitigation and coastal water quality policies, and the Craven County CAMA Core Land Use Plan as well as the City of Havelock 2030 Comprehensive Plan. NCDOT certifies that the proposed activity complies with the enforceable policies of North Carolina's approved management program and will be conducted in a manner consistent with said program.

If you have any questions or need additional information, please contact Gordon Cashin at (919) 707-6107 or gcashin@ncdot.gov.

Sincerely,

DocuSigned by:
Mack C. Rivenbark III
AAAD1248B309416...

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

cc: Mr. Stephen Lane, NCDCM

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MARC RECKTENWALD

Director



NORTH CAROLINA
Environmental Quality

March 2, 2022

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

Dear Mr. Harris:

Subject: DMS Mitigation Acceptance Letter:

R-1015, US 70 – Havelock Bypass from North of Pine Grove to North of the Carteret County Line, Craven County

References: USACE 404 Individual Permit issued April 18, 2019 and permit modifications issued May 11, 2020 and July 21, 2021 (USACE Action ID 1993-02466)

NCDWR 401 Water Quality Certification issued April 3, 2019, correction letter dated November 25, 2019 and permit modifications issued on May 1, 2020 and July 9, 2021 (NCDWR ID 2018-1598)

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the additional compensatory wetland mitigation for the subject project. Based on the information supplied by you on March 1, 2022, the impacts are located in CU 03020204 of the Neuse River basin in the Southern Outer Coastal Plain (SOCP) Eco-Region, and are as follows:

Table 1 – Additional Impacts (feet / acres)

Neuse 03020204 SOCP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.010	0.280	0	0	0

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

This additional impact and associated mitigation needs were not projected by the NCDOT in the 2022 impact data. DMS is currently providing stream, wetland, and buffer mitigation for the impacts associated with this project located in cataloging unit 03020204 of the Neuse River basin as required by the 404 and 401 permits issued in April 2019, May 2020, and July 2021 as shown in the below table (in mitigation credits)



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

Table 2 – Current Permitted Impacts and Associated Mitigation Requirements provided by DMS (based on issued permits) and Revised Anticipated Impacts (based on mitigation request)

Impact Type	Total Permitted Impacts (feet / acre / sq ft)	Mitigation Provided by DMS per Issued Permits (Credits)	Additional Impact (for approval)	Revised Total Impacts*
Stream (warm)	2,870.000	5,740.000	0.000	2,870.000
Riparian Wetland	15.820	31.640	0.010	15.830
Non-Riparian Wetland	98.440	196.210	0.280	98.720
Riparian Buffer	89,824.000	210,473.000	0.000	89,824.000

*Some of the additional stream impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details. DMS will provide the amount of mitigation as determined by the regulatory agencies.

DMS commits to implementing additional sufficient compensatory 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 Ms. Beth Harmon at 919-707-8420.

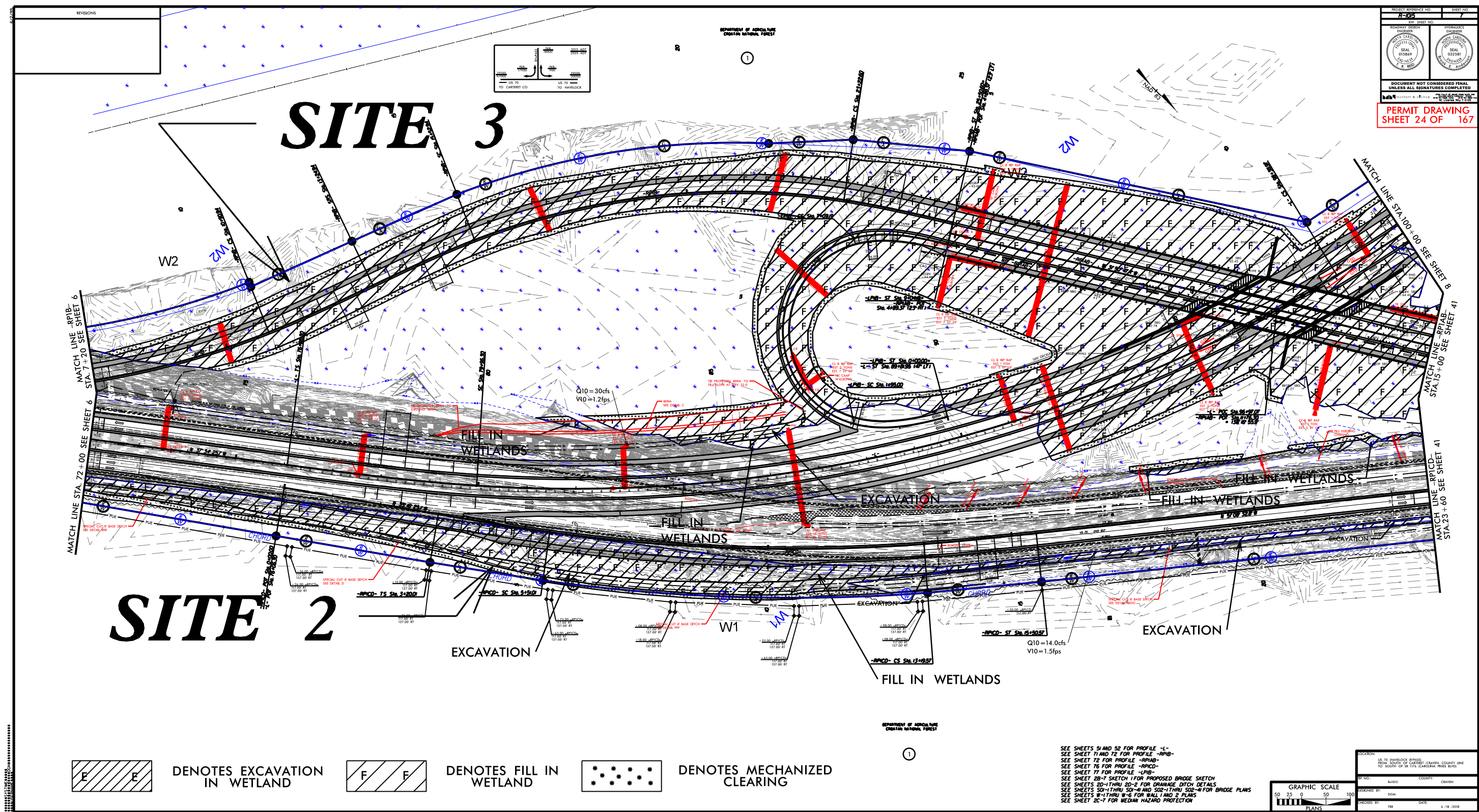
Sincerely,



for James B. Stanfill
Asset Management Supervisor

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office
Ms. Amy Chapman, Division of Water Resources, Wetlands/401 Unit
File: R-1015 Mod 3





PROJECT REFERENCE NO. 17-15 SHEET NO. 24 OF 167

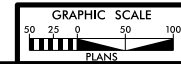
ROADWAY DESIGN ENGINEER
SEAL 015849
CRATER NATIONAL FOREST

ROADWAY DESIGN ENGINEER
SEAL 032581
CRATER NATIONAL FOREST

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 24 OF 167

SEE SHEETS 54 AND 52 FOR PROFILE -L-
SEE SHEET 11 AND 12 FOR PROFILE -RPB-
SEE SHEET 12 FOR PROFILE -RPAB-
SEE SHEET 16 FOR PROFILE -RPIC-
SEE SHEET 17 FOR PROFILE -LPB-
SEE SHEET 28-7 SKETCH 1 FOR PROPOSED BRIDGE SKETCH
SEE SHEETS 30-1 THRU 30-2 FOR DRAINAGE DITCH DETAILS
SEE SHEETS 30-1 THRU 30-2 FOR DRAINAGE DITCH DETAILS
SEE SHEETS 30-1 THRU 30-2 FOR DRAINAGE DITCH DETAILS
SEE SHEET 20-7 FOR MEDIAN HAZARD PROTECTION



LOCATION: US-70 HAWDOCK BRIDGE, FROM SOUTH OF CRATER CRATER, CRATER NATIONAL FOREST, TO SOUTH OF ST. 170, CARBON, PINES, BIRCH

PROJECT NO.: 17-15 COUNTY: CRATER

DESIGNED BY: DCH

CHECKED BY: TMR DATE: 4/18/2018

CROATIAN NATIONAL FOREST

CROATIAN NATIONAL FOREST

SITE ***5***

SITE 6

STATION 198+00 SEE SHEET 9

$$TC = 500 + 127 + 3.$$

DENOTES FILL IN
WETLAND

50' 0' 50' 100' 150'

GRAPHIC SCALE

2/18/2022
mgberry
R:\Hydraulics\PERMITS Environmental\Drawings\Wetland & Stream\y-1015 Hyd_prm_wet_psh10.dgn

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-1015	32
RW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 015869 T. R. RED	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 032581 B. R. ANDERSON

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919) 781-4400 VOICE (919) 781-4889 FAX
NC License No. F-0105

PERMIT DRAWING
SHEET 120 OF 167

SITE 35B

SITE 36A SITE 36B

EXCAVATION IN WETLANDS

MATCH LINE STA. 450 + 00 SEE SHEET 31

MATCH LINE STA. 464 + 00 SEE SHEET 33

R. GRAHAM WILLIAMS, et ux

BOLING FAMILY INVESTMENTS, L.L.C., et al

CLYDE O. BELANGIA, JR., et al

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

NAD 83

CL B RIP RAP
EST. 1 TONS
EST. 5 SY GF

2GI-D SEE DETAIL B

MEDIAN 'V' DITCH
SEE DETAIL NN

N 29° 51' 36.9" W

CL B RIP RAP
EST. 24 TONS
EST. 50 SY GF

15" RCP-IV

CL B RIP RAP
EST. 1 TON
EST. 5 SY GF

CL B RIP RAP
EST. 1 TON
EST. 5 SY GF

CL B RIP RAP
EST. 1 TON
EST. 5 SY GF

CL B RIP RAP
EST. 1 TON
EST. 5 SY GF

W67

W67

BOLING FAMILY INVESTMENTS, L.L.C., et al

WETLAND EXCAVATION CLYDE O. BELANGIA, JR., et al

DENOTES MECHANIZED
CLEARING

DENOTES FILL IN
WETLAND

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

50' 0' 50' 100' 150'
GRAPHIC SCALE

SEE SHEETS 65 FOR PROFILE -L-
SEE SHEETS 2D-1 THRU 2D-2 FOR DRAINAGE DITCH DETAILS

REVISIONS

2/18/2022
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\r-1015_Hyd_prm_wet_psh32.dgn

WETLAND AND SURACE WATER IMPACTS SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
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)
20	57+34 TO 62+48 -Y3- RT	ROADWAY FILL	1.46		0.10	0.18						
21	58+29 TO 63+51 -Y3- RT	ROADWAY FILL	0.56		0.21	0.08						
21A	58+89 TO 64+03Y3DET- LT/RT	TEMP DETOUR		0.25	0.11		0.12					
22	267+83 TO 273+90 -L- LT/RT	84" RCP, BURIED 1'	0.86			0.12		0.05	0.01	583.6	61.1099	
23	280+57 TO 293+27 -L- LT/RT	Dual Bridge; 7 @ 135', 72" MBT	1.03			0.15	3.05					
24	308+19 TO 314+60 -L- LT/RT	42" RCP	0.74		0.04	0.06						
25A	328+41 TO 336+80 -L- LT/RT	2@ 72" RCP, BURIED 1'	1.80		0.10	0.12						
25B	325+13 TO 325+48 -L- RT	ROADWAY FILL	< 0.01			< 0.01						
26	337+97 TO 342+81 -L- RT	72" RCP, BURRIED 1'	0.47		< 0.01		0.11					
27	340+63 TO 344+93 -L- LT	72" RCP, BURRIED 1'	0.75		0.08		0.05					
28A	348+96 TO 349+65 -L- RT	ROADWAY FILL	0.01				0.02					
28B	351+33 TO 352+19 -L- RT	ROADWAY FILL	< 0.01				0.02					
29	355+33 TO 357+51 -L- LT	ROADWAY FILL	0.03		0.07		0.04					
30	355+83 TO 357+47 -L- RT	ROADWAY FILL	0.27				0.04					
31	373+16 TO 380+23 -L- LT/RT	ROADWAY FILL	2.22		0.07		0.32					
32	392+99 TO 399+33 -L- LT/RT	ROADWAY FILL	0.56			0.15						
33	408+22 TO 408+87 -L- LT	ROADWAY FILL	< 0.01			0.01						
34	409+25 TO 409+75 -L- RT	ROADWAY FILL	0.18			< 0.01						
35A	432+62 TO 449+72 -L- LT/RT	ROADWAY FILL	5.49			0.77						
35B	450+94 TO 454+47 -L- LT/RT	ROADWAY FILL	0.71		0.01	0.11						
36A	456+65 TO 461+70 -L- LT/RT	84" RCP, BURIED 1'	0.79			0.15						
36B	462+57 TO 464+60 -L- LT/RT	ROADWAY FILL	0.50		0.02	0.05						
37	468+85 TO 486+94 -L- LT/RT	ROADWAY FILL	3.43		0.01	0.50						
SUB TOTALS THIS SHEET*:			21.89	0.25	0.81	2.47	3.77	0.05	0.01	584	61	0
*Rounded totals are sum of actual impacts												
NOTES: Bridge Impacts at Site 23: 0.04 acres for Temporary Bents, <0.01 acres for all permanent bents.												
								NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 02/18/2022 CRAVEN COUNTY R-1015 34360.1.2				
Revised 2016 09 09								SHEET	166	OF	167	

WETLAND AND SURACE WATER IMPACTS SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
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)
38A	489+64 TO 493+80 -L- LT/RT	ROADWAY FILL	0.49			0.03						
38B	496+92 TO 498+23 -L- LT/RT	ROADWAY FILL	0.30			0.06						
39	507+39 TO 518+70 -L- LT/RT	2 @ 10'X8' RCBC	2.99		0.08	0.20		0.22	0.03	984.87	116.37	
40	RP2AC/RP2A/LP2A	ROADWAY FILL	5.38		0.12	0.78						
41	41+40 TO 47+97 -RP2AC- LT/RT	EXTEND 3@ 9'X7' RCBC	0.03		0.01	0.11		0.05	0.08	48.71	56.79	
42	34+08 TO 37+91 -Y4- LT	72" RCP, BURIED 1'	0.01		0.04	0.06		< 0.01	< 0.01	20.43	11.6	
43	33+80 TO 35+02 -Y4- RT	72" RCP, BURIED 1'	< 0.01		0.01	0.04		< 0.01	< 0.01	41.75	10.35	
44	51+17 TO 53+70 -Y4- LT	2 @ 84" RCP, BURIED1'	0.24		0.02	0.09		0.02	< 0.01	121.5	10.7	
45	50+49 TO 57+08 -Y4DET- LT/RT	2 @ 84" RCP, BURIED1'	0.35			0.12		0.04	0.02	116.4	98.9	
45A	50+47 TO 57+03 -Y4DET-	TEMP DETOUR		0.51			0.19					
46	533+11 -L- RT	30" RCP						< 0.01	< 0.01	10.0	16.0	
47	563+36 -L- RT	36" RCP						< 0.01		12.0		
SUB TOTAL THIS SHEET:			9.79	0.51	0.29	1.48	0.19	0.34	0.13	1356	321	
SUB TOTAL SHEET 1:			67.16	0.36	2.51	7.47	3.95	0.16	0.04	930	248	
SUB TOTAL SHEET 2:			21.89	0.25	0.81	2.47	3.77	0.05	0.01	584	61	0
TOTALS*:			98.84	1.12	3.61	11.42	7.91	0.55	0.18	2869	630	0
*Rounded totals are sum of actual impacts												
NOTES: At Site 45/45A, 0.03 acre of Temporary Fill in Wetlands in the Hand Clearing area for erosion control measures.								NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 02/18/2022 CRAVEN COUNTY R-1015 34360.1.2				
Revised 2016 09 09										SHEET	167	OF 167