

PAT McCRORY Governor

December 9, 2015

Mr. Tom Steffens	Mr. Stephen Lane
NCDOT Coordinator	NCDOT Coordinator
Washington Regulatory Field Office	N.C. Dept. of Environmental Quality
U. S. Army Corps of Engineers	Division of Coastal Management
2407 W 5 th Street	400 Commerce Avenue
Washington, NC 27889-1000	Morehead City, NC 28557

Dear Sirs:

Subject:	Permit modification request for the proposed improvements to US 17 in Onslow, Jones and Craven Counties, TIP No. R-2514B, C & D. Debit \$570 and \$100 from WBS 34442.1.3.
Reference:	CWA Section 404 permit Action ID SAW-2008-00528 issued May 22, 2015 401 Water Quality Certification No. 004012 issued March 2, 2015
	NCDWR Project No. 20141169v1
	N.C. Coastal Area Management Act Permit 43-15 issued March 24, 2015

As you are aware, the North Carolina Department of Transportation (NCDOT) is constructing improvements to US 17 from SR 1330/SR 1439 south of Belgrade to the New Bern Bypass. Permits for this project were issued earlier this year, and the project was let to construction on June 16, 2015. The NCDOT is requesting a permit modification to allow for changes the contractor wants to make in the temporary access at Higgins Branch and the White Oak River (R-2514B, Permit sites 10 and 12 respectively).

Structures 2 and 3 (Site 10)

At Higgins Branch (Site 10), the permit modification will allow for temporary access between structures 2 & 3 at Sta. 147+95+00 -L-, as depicted in the attached plan sheet. At this location a section of the proposed temporary access will be removed and the main bridge will be extending over Higgins Branch. The proposed design removes the fingers at bent 1 of the permanent bridge and extends the trestle over Higgins Branch connecting the two sides. The additional area requested will have a trestle with a maximum width of 30 ft and a minimum height of the same elevation as the permanent bridge. The environmental impacted area for this location will decrease in size.

The impacted area breakdown is as follows using 30 inch diameter steel pile at 35 ft bent spacing.

- Impact disturbed by trestle columns in non-permitted area: 44.18 sqft
- Total area disturbed by trestle columns: 132.5 sqft (27 columns)
- Temporary impacts due to temporary bridge bents in wetlands on Site 10 is <0.01 acre (435.6 sqft)



Structures 4 and 5 (Site 12)

At White Oak River (Site 12), the permit modification will allow for temporary access between structures 4 & 5 at Sta. 173+54.46 -L-, as depicted in the attached plan sheets. At this location a section of the proposed temporary access will be removed and the main bridge will be extending over White Oak River. The modified design will remove part of the fingers at bent 2 of the permanent bridge and extend the trestle over White Oak River connecting the two sides. The additional area requested will have a trestle with a maximum width of 30 ft and a minimum height of the same elevation as the permanent bridge. The environmental impacted area for this location will decrease in size.

The impacted area breakdown is as follows using 30 inch diameter steel pile at 35 ft bent spacing.

- Impact disturbed by trestle columns in non-permitted area: 44.18 sq.ft.
- Total area disturbed by trestle columns: 500.69 sq.ft. (102 columns)
- Temporary impacts due to temporary bridge bents in wetlands on Site 12 is <0.03 acre (1306.8 sq.ft.).

The NCDOT hereby requests approval of these proposals by modifying the project permits as appropriate.

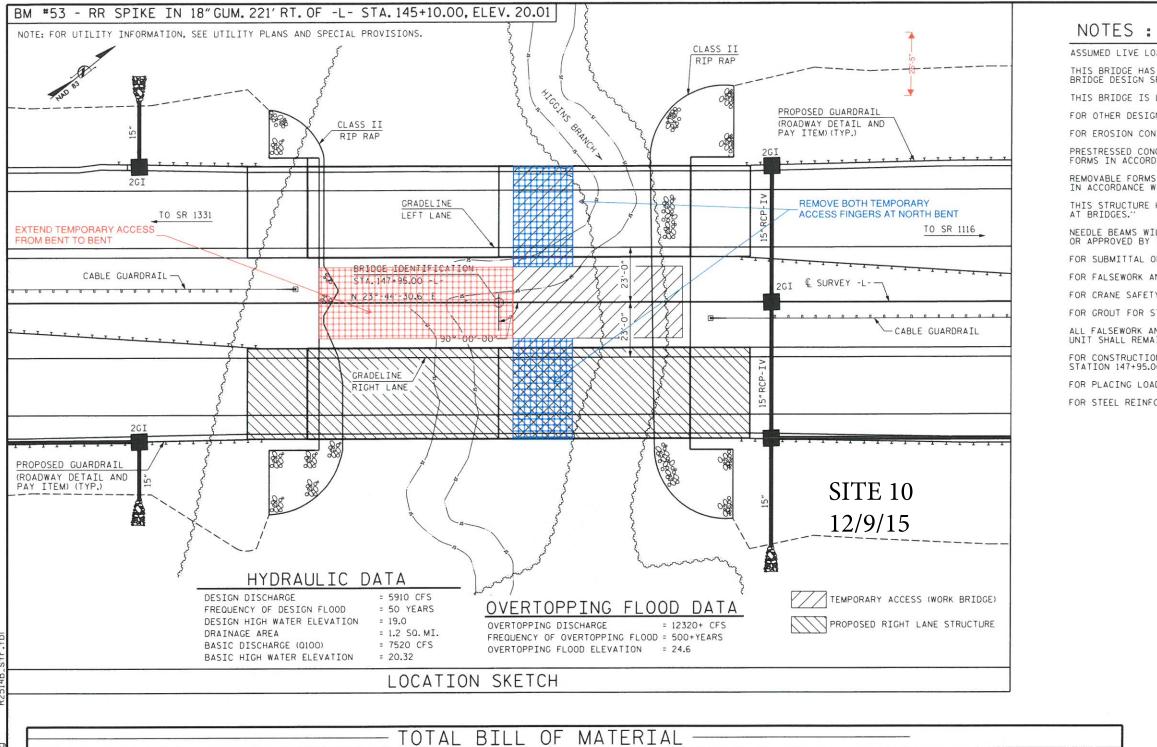
Sincerely,

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Richard W. Hancock, P.E., Manager Project Development and Environmental Analysis Unit

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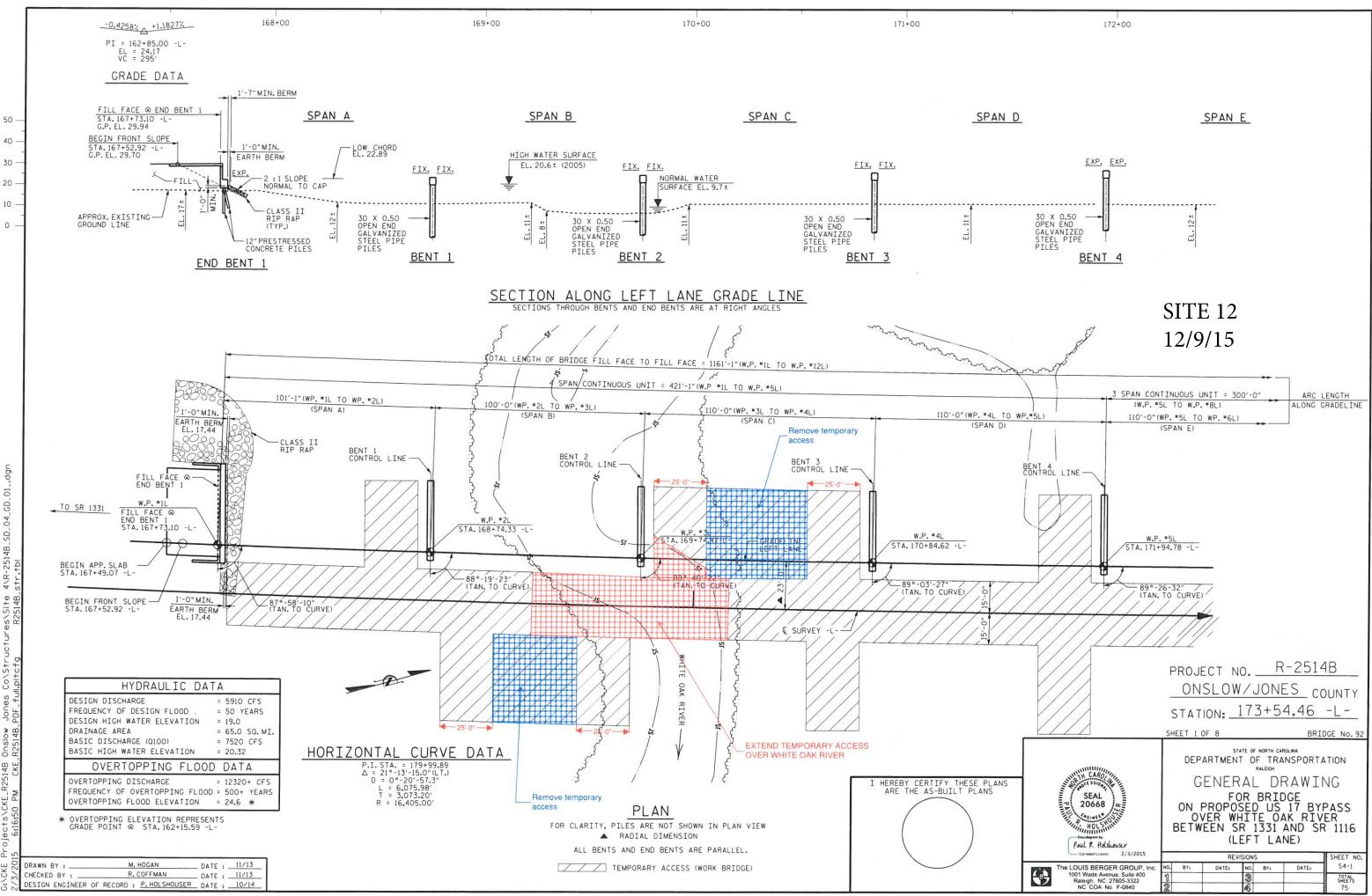
NCDOT Permit Application Standard Distribution List



	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	45' CON	'PRESTRESSED CRETE GIRDERS	PP GAI STI	14 X 0.50 LVANIZED EEL PILES	PP GAI STE	16 X 0.50 LVANIZED EL PILES	STEEL PILE POINTS	PIPE PILE PLATES	PILE REDRIVES	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0'') THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERI BEARINGS
	EACH	SQ.FT.	SQ.FT.	CU. YDS.	LUMP SUM	LBS.	NO.	LIN.FT.	N0.	LIN.FT.	N0.	LIN.FT.	N0.	N0.		LIN.FT.	TONS	SQ. YDS.	LUMP SU
SUPERSTRUCTURE		6531	7245		LUMP SUM		8	629								316.7			LUMP SU
END BENT 1				31.6		5549			6	120				6	3		73	81	
BENT 1				18.2		4103					5	200	5		3				
END BENT 2				31.6		5549			6	120				6	3		189	210	
TOTAL	2	6531	7245	81.4	LUMP SUM	15201	8	629	12	240	5	200	5	12	9	316.7	262	291	LUMP SUM

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES."
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- ALL FALSEWORK AND FORMS FOR THE CAST-IN-PLACE DECK SLAB CONTINUOUS UNIT SHALL REMAIN IN PLACE UNTIL THE ENTIRE UNIT IS CAST AND CURED.
- FOR CONSTRUCTION, MAINTENANCE AND REMOVABLE OF TEMPORARY ACCESS STATION 147+95.00 -L-, SEE PROJECT SPECIAL PROVISIONS.
- FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE PROJECT SPECIAL PROVISIONS.
- FOR STEEL REINFORCED ELASTOMERIC BEARINGS, SEE PROJECT SPECIAL PROVISIONS.

	PROJECT NO. <u>R-2514B</u> <u>ONSLOW</u> COUNTY STATION: <u>147+95.00 -L-</u> SHEET 3 OF 3						
SEAL 036321) F. Other 1/27/2015	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEGH GENERAL DRAWING BRIDGE OVER HIGGINS BRANCI ON PROPOSED US 17 BYPASS BETWEEN SR 1331 AND SR 1116						
101F64178781400	REVISIONS SHEET NO.						
The LOUIS BERGER GROUP, Inc. 1001 Wade Avenue, Suite 400 Raleigh, NC 27605-3322 NC COA No. F-0840	NO. BY: DATE: NO. BY: DATE: S2-3 1 3 3 52-13 1014 52-3 1014						



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