



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

April 08, 2021

Addendum No. 1

RE: Contract # C204178

WBS # 38358.3.1

STATE FUNDED

Beaufort County (B-4414)

BRIDGE #43 OVER PUNGO CREEK ON US-264

April 20, 2021 Letting

To Whom It May Concern:

Reference is made to the plans and proposal form furnished to you on this project.

The following revisions have been made to the Structure plans.

Sheet No.	Revision
S-3	Note revised to require Top-Down construction and exclude the use of a temporary causeway or work bridge

Please void the above listed Sheet in your plans and staple the revised Sheet thereto.


The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 04-08-2021"
P-48	Removed reference to Site 3
P-49	Removed reference to Site 3 and Temporary Work Bridge
P-50	Removed reference to Site 3 and Temporary Work Bridge
P-53	Removed Site 3 and Note 4 (Temp Work Bridge references)

Please void the above listed Pages in your proposal and staple the revised Pages thereto.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

F81B6038A47A442...
Ronald E. Davenport, Jr., PE
State Contract Officer

RED/jjr
Attachments

cc: Mr. Lamar Sylvester, PE
Mr. Preston Hunter, PE
Mr. Boyd Tharrington, PE
Mr. Jon Weathersbee, PE
Mr. Ken Kennedy, PE
Project File (2)

Mr. Ray Arnold, PE
Ms. Jaci Kincaid
Ms. Lori Strickland
Mr. Mike Gwyn
Ms. Penny Higgins
Mr. Kyle Kempf

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No.1 DATED 04-08-2021

DATE AND TIME OF BID OPENING: **APRIL 20, 2021 AT 2:00 PM**

CONTRACT ID C204178
WBS 38358.3.1

FEDERAL-AID NO. STATE FUNDED
COUNTY BEAUFORT
T.I.P. NO. B-4414
MILES 0.189
ROUTE NO. US 264
LOCATION BRIDGE #43 OVER PUNGO CREEK ON US-264.

TYPE OF WORK GRADING, DRAINAGE, PAVING, & STRUCTURE.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BEAUFORT COUNTY

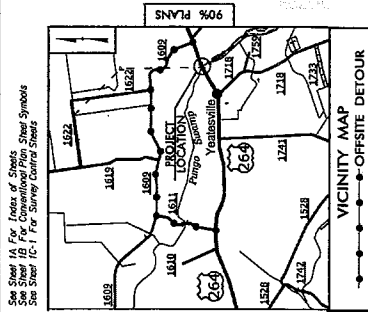
LOCATION: REPLACE BRIDGE NO. 43 OVER
PUNGO CREEK ON US 264

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING
SHEET 1 OF 6

DATE	NO.	REVISION
	1	
PROJECT NUMBER: B-4414		
DATE PREPARED	BY	REVISION
3/25/2012	BRST-0264(01)	FE
3/25/2012	N/A	R/W & UTIL
3/25/2012	N/A	CONST.

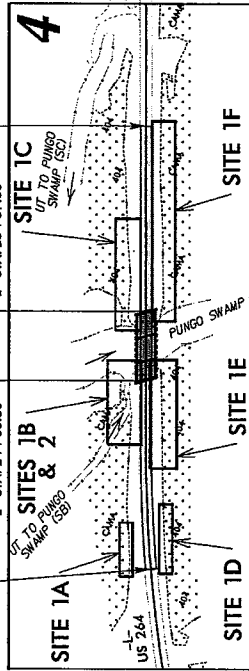


BEGIN TIP PROJECT B-4414
-L- STA. 19+75.00

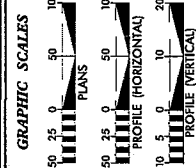
BEGIN BRIDGE
-L- STA. 24+00.80

END BRIDGE
-L- STA. 25+57.00

END TIP PROJECT B-4414
-L- STA. 29+75.00



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.



DESIGN DATA

ADT 2020 =	5720
ADT 2040 =	7800
K =	9 %
D =	5 %
T =	7 %
V =	60 MPH
* (TST 3% + DUAL 4%)	
FUNC. CLASS. =	
MINOR ARTERIAL	
REGIONAL TIER DESIGN	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4414 =	0.159 mile
LENGTH STRUCTURES TIP PROJECT B-4414 =	0.638 mile
TOTAL LENGTH TIP PROJECT B-4414 =	0.797 mile

Prepared For:
DIVISION OF HIGHWAYS
TOS
1600 Birch Ridge Dr., Raleigh, NC 27617
TEL: (919) 737-2487
FAX: (919) 737-2487
WWW.DOT.NC.GOV

FOR APPROVAL BY THE STATE OF NORTH CAROLINA
DATE: APRIL 21, 2012

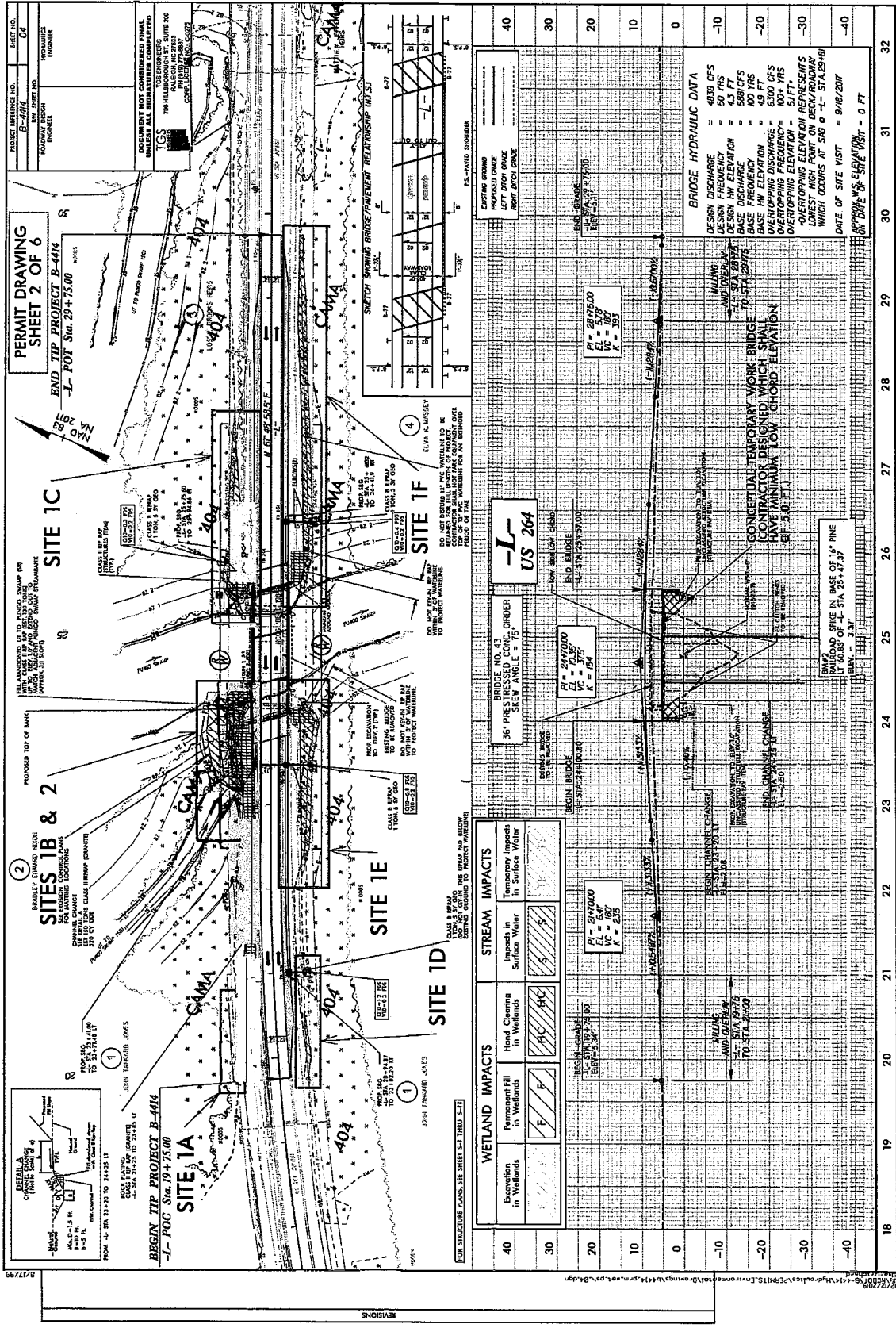
RIGHT OF WAY DATE:
JULY 25, 2011

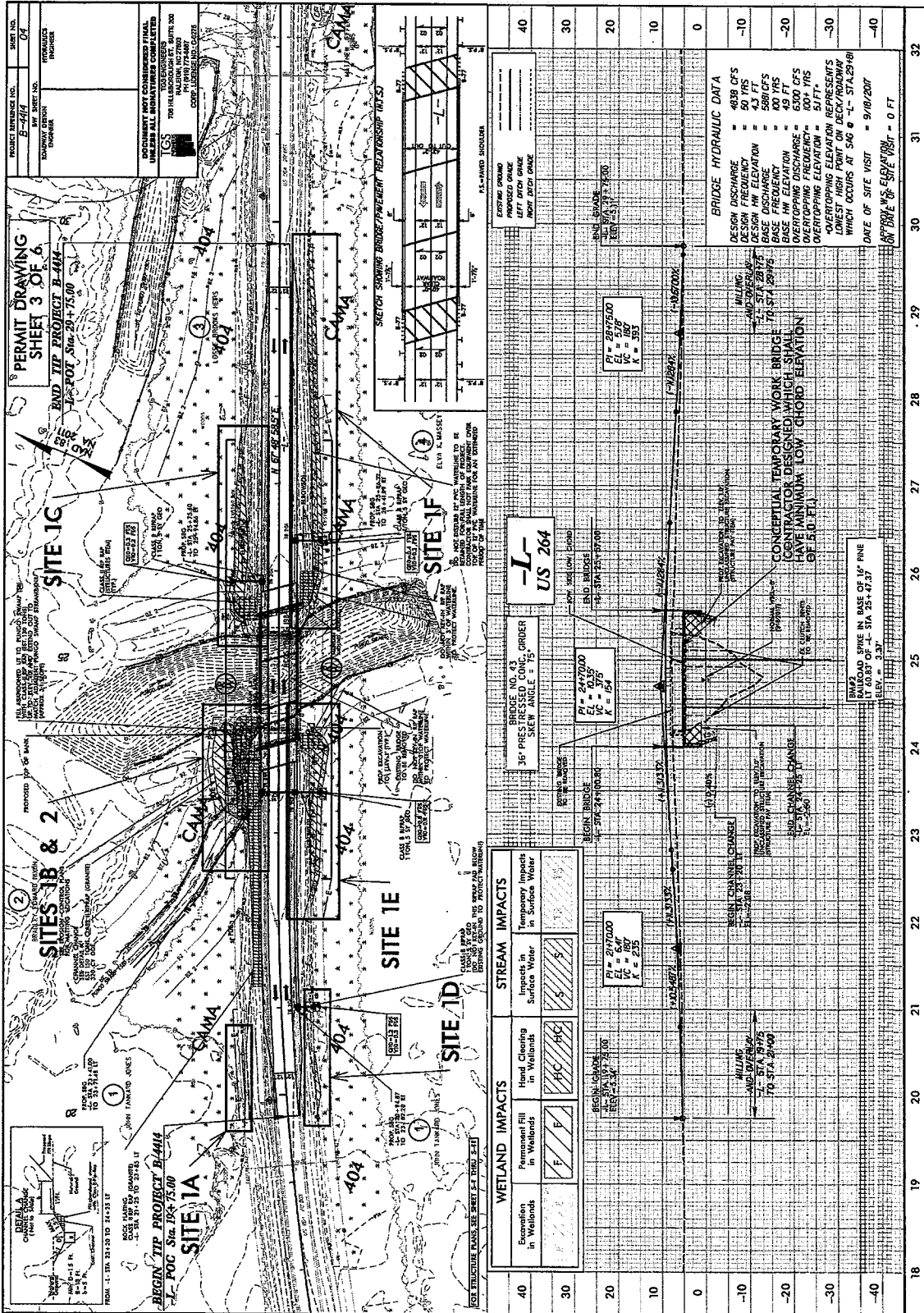
LETTING DATE:
APRIL 21, 2010

PROJECT ENGINEER:
V. MARCUS LOWERY, P.E.
PROJECT ENGINEER

DRAWN BY:
DAVID STULTZ, P.E.
PROJECT ENGINEER

INGRAM STEEL PLANS
INCORPORATED
1000 W. 10TH ST. #100
RALEIGH, NC 27617
TELEPHONE: 919.877.1000
FAX: 919.877.1001
WWW.INGRAMSTEELPLANS.COM

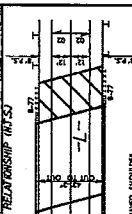




PROJECT REFERENCE NO. B-414
 SHEET NO. 04
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

PERMIT DRAWING
 SHEET 3 OF 6
 END TIP PROJECT B-414
 L-POC Sta. 19+75.00

DOCUMENT NOT FOR CONSTRUCTION
 UNLESS ALL MODIFICATIONS COMPLETED
 TGS
 100 BURNING
 NATIONAL HIGHWAY
 CONSTRUCTION DISTRICT



WETLAND IMPACTS	Stream Impacts
Excavation in Wetlands	Impacts in Surface Water
Permanent Fill in Wetlands	Temporary Impacts in Surface Water
Hand Clearing in Wetlands	

BRIDGE NO. 43
 36° PRESSESSED CONC. GROSS
 SKEW ANGLE = 75°

CONCEPTUAL TEMPORARY WORK BRIDGE
 CONTRACTOR DESIGNED WHICH SHALL
 HAVE MINIMUM LOW CHORD ELEVATION
 OF 1.0 FT.

DATE OF SITE VISIT = 9/19/2007

BRIDGE HYDRAULIC DATA
DESIGN DISCHARGE = 4838 CFS
DESIGN FREQ. = 50 YRS
DESIGN HW ELEVATION = 4.3 FT
DESIGN DISCHARGE = 4838 CFS
DESIGN FREQ. = 50 YRS
DESIGN HW ELEVATION = 4.3 FT
DESIGN DISCHARGE = 4838 CFS
DESIGN FREQ. = 50 YRS
DESIGN HW ELEVATION = 4.3 FT
DESIGN DISCHARGE = 4838 CFS
DESIGN FREQ. = 50 YRS
DESIGN HW ELEVATION = 4.3 FT

RAILROAD SPIKE IN BASE OF 1ST PILE
 STA. 23+47.27
 ELEV. = 3.37

WETLAND IMPACTS	Stream Impacts
Excavation in Wetlands	Impacts in Surface Water
Permanent Fill in Wetlands	Temporary Impacts in Surface Water
Hand Clearing in Wetlands	

RAILROAD SPIKE IN BASE OF 1ST PILE
 STA. 23+47.27
 ELEV. = 3.37

WETLAND IMPACTS	Stream Impacts
Excavation in Wetlands	Impacts in Surface Water
Permanent Fill in Wetlands	Temporary Impacts in Surface Water
Hand Clearing in Wetlands	

WETLAND AND SURFACE WATER IMPACTS SUMMARY													
WETLAND IMPACTS						SURFACE WATER IMPACTS							
Site No.	Station (From/To)	Structure Size / Type	Stream Map ID	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)
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 21+05 RT	Roadway		< 0.01				< 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	
TOTALS*				0.12		0.02		0.11	0.04	0.02	147	23	0

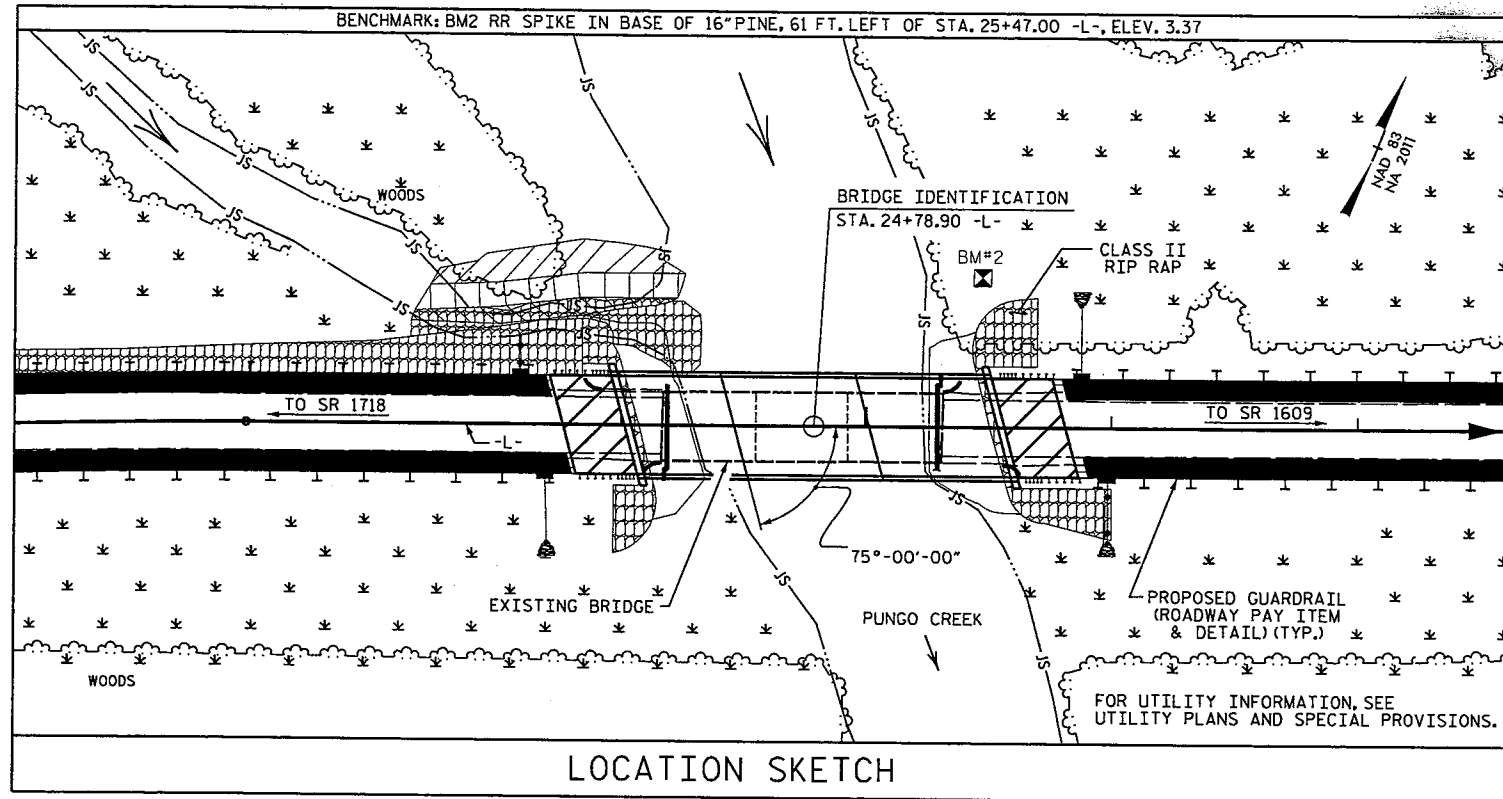
*Rounded totals are sum of actual impacts

NOTES:

- 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.

Revised 2018 Feb

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
12/12/2019
BEAUFORT COUNTY
B-4414
38358.1.2
SHEET 6 OF 6



NOTES

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.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18 - EVALUATING SCOUR AT BRIDGES".

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

ALL METALIZED SURFACES SHALL RECEIVE A SEAL COATING AS SPECIFIED IN THE SPECIAL PROVISION FOR THERMAL SPRAYED COATINGS (METALLIZATION).

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

THE EXISTING 5-SPAN STRUCTURE (1 @ 19'-2", 1 @ 19'-0", 1 @ 37'-4", 2 @ 19'-0") CONSISTING OF A REINFORCED CONCRETE DECK ON STEEL I-BEAMS WITH A 5" ASPHALT WEARING SURFACE AND A CLEAR ROADWAY WIDTH OF 28'-2" AND WITH A SUBSTRUCTURE CONSISTING OF REINFORCED CONCRETE CAPS/PPC PILES AT END BENT 1 & 2, BENT 2 & 3, AND STEEL CAPS/STEEL PILE CRUTCH BENTS AT BENT 1 & 4, AND LOCATED AT THE SITE OF THE PROPOSED BRIDGE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

PRESTRESSED CONCRETE GIRDERS, PRECAST DECK PANELS, AND PRESTRESSED CONCRETE PILES SHALL CONTAIN CALCIUM NITRITE CORROSION INHIBITORS.

CLASS AA CONCRETE SHALL BE USED IN ALL CAST-IN-PLACE END BENT AND BENT CAPS AND SHALL CONTAIN CALCIUM NITRITE CORROSION INHIBITOR.

ALL BAR SUPPORTS AND ALL INCIDENTAL REINFORCING STEEL SHALL BE EPOXY COATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE CONCRETE IN THE END BENT AND BENT CAPS, AND PRESTRESSED CONCRETE PILES OF BENTS 1 & 2 SHALL CONTAIN SILICA FUME. SILICA FUME SHALL BE SUBSTITUTED FOR 5% OF THE PORTLAND CEMENT BY WEIGHT. IF THE OPTION OF ARTICLE 1024-1 OF THE STANDARD SPECIFICATIONS TO PARTIALLY SUBSTITUTE CLASS F FLY ASH FOR PORTLAND CEMENT IS EXERCISED, THEN THE RATE OF FLY ASH SUBSTITUTION SHALL BE REDUCED TO 1.0 LBS OF FLY ASH PER 1.0 LB CEMENT. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS.

THIS STRUCTURE CONTAINS THE NECESSARY CORROSION PROTECTION REQUIRED FOR A CORROSIVE SITE.

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 35 FT. LT AND 40 FT. RT OF THE CENTERLINE ROADWAY AT END BENT 1 AND 40 FT. LT AND 35 FT. RT OF CENTERLINE ROADWAY AT END BENT 2 AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

FOR STEEL REINFORCED ELASTOMERIC BEARINGS, SEE SPECIAL PROVISIONS.

THIS BRIDGE SHALL BE CONSTRUCTED USING TOP-DOWN CONSTRUCTION METHODS. THE USE OF A TEMPORARY CAUSEWAY OR WORK BRIDGE IS NOT PERMITTED.

INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVAL OF EXISTING STRUCTURE AT STATION 24+78.90 -L-".

TOTAL BILL OF MATERIAL

ITEM	REMOVAL OF EXISTING STRUCTURE	ASBESTOS ASSESSMENT	PDA TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS AA CONCRETE	BRIDGE APPROACH SLABS	EPOXY COATED REINFORCING STEEL	36" PRESTRESSED CONCRETE GIRDERS	PILE DRIVING EQUIPMENT SETUP FOR 16" PRESTRESSED CONCRETE PILES	PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES	16" PRESTRESSED CONCRETE PILES	HP 12X53 STEEL PILES			
	LUMP SUM	LUMP SUM	EACH	LUMP SUM	SO. FT.	SO. FT.	C.Y.	LUMP SUM	LBS.	NO.	LIN. FT.	EACH	EACH	NO.	LIN. FT.	NO.	LIN. FT.
SUPERSTRUCTURE					6,717	7,520				15	770.00						
END BENT 1				LUMP SUM			36.4		4,003			7				7	280
BENT 1							12.8		2,544		7				7	280	
BENT 2							12.8		2,544		7				7	315	
END BENT 2				LUMP SUM			36.4		4,003			7				7	280
TOTALS	LUMP SUM	LUMP SUM	1	LUMP SUM	6,717	7,520	98.4	LUMP SUM	13,094	15	770.00	14	14	14	595	14	560

TOTAL BILL OF MATERIAL

ITEM	STEEL PILE POINTS	PILE REDRIVES	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS
	EACH	EACH	LIN. FT.	TONS	SO. YDS.	LUMP SUM
SUPERSTRUCTURE			310.63			
END BENT 1	7	4		90	100	
BENT 1		4				
BENT 2		4				
END BENT 2	7	4		165	185	
TOTALS	14	16	310.63	255	285	LUMP SUM

DRAWN BY: STM DATE: 11/19
 CHECKED BY: MGC DATE: 12/19

3/24/2021
 X:\NCDOT\B-4414\Structures\Final Plans\Final DGNs\401.007.8-4414.SMU. 0003.060043.dgn
 User: sbwilliams

PROJECT NO. B-4414
BEAUFORT COUNTY
 STATION: 24+78.90 -L-

SHEET 3 OF 3

3/25/2021

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING

FOR BRIDGE OVER
 PUNGO CREEK ON US 264
 BETWEEN SR 1718 AND SR 1609

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			33
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 TGS ENGINEERS
 706 HILLSBOROUGH STREET SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275