



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

August 07, 2023

NOTICE TO PROSPECTIVE BIDDERS

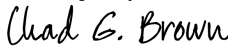
Contract Number: DH00524
TIP Number: N/A
WBS Number: BP8.R013.3
County: Richmond
Description: Replacement of Bridge No. 140 over Solomons Creek on SR 1971 (Sandhills Road)
Subject: Addendum #1

The following revisions have been made to the project proposal and plans associated with the above referenced project:

- The line item No. 85 has been changed from 3'-0" X 1'-9" Prestressed Concrete Cord Slab. To 3'-0" X 2'-0" Prestressed Concrete Cord Slab. On Plan sheet No. S-4 The Total Bill of Material has been changed from 3'-0" X 1'-9" Prestressed Concrete Cord Slab. To 3'-0" X 2'-0" Prestressed Concrete Cord Slab.
- Please replace the Itemized Proposal for Contract No. DH00524 sheets in the Proposal with the attached Itemized Proposal for Contract No. DH00524 sheets.
- Please replace Plan Sheet No. S-4 with the attached Plan Sheet No. S-4.
- The addendum file DH00524.001x file has been updated to the Bid Express site.

If this office can provide additional information, please contact me at (910) 773-8034 or cgbrown1@ncdot.gov.

Sincerely,

DocuSigned by:

15C686F6ED674C5...

Chad G. Brown
Division Proposal Engineer

cc: Mr. J. A. Dietrich
Mr. M. L. McKenzie
File

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS, DIVISION 8
121 DOT DRIVE
CARTHAGE, NC 28327

Telephone: (910) 773-8000
Fax: (910) 947-3873
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
121 DOT DRIVE
CARTHAGE, NC 28327

County: RICHMOND

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0030000000-N	SP	TYPE II MODIFIED APPROACH FILL, STATION ***** 19+73.00-L-	Lump Sum	L.S.	
0003	0043000000-N	226	GRADING	Lump Sum	L.S.	
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0057000000-E	226	UNDERCUT EXCAVATION	2,189 CY		
0006	0194000000-E	265	SELECT GRANULAR MATERIAL, CLASS III	1,989 CY		
0007	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	1,990 SY		
0008	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	20 TON		
0009	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	50 SY		
0010	0335200000-E	305	15" DRAINAGE PIPE	116 LF		
0011	0335850000-E	305	*** DRAINAGE PIPE ELBOWS 15"	4 EA		
0012	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	12 LF		
0013	1099500000-E	505	SHALLOW UNDERCUT	100 CY		
0014	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	200 TON		
0015	1220000000-E	545	INCIDENTAL STONE BASE	50 TON		
0016	1330000000-E	607	INCIDENTAL MILLING	670 SY		
0017	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	375 TON		

County: RICHMOND

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	400 TON		
0019	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	450 TON		
0020	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	70 TON		
0021	2000000000-N	806	RIGHT-OF-WAY MARKERS	14 EA		
0022	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	3 EA		
0023	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	3 EA		
0024	2556000000-E	846	SHOULDER BERM GUTTER	310 LF		
0025	3030000000-E	862	STEEL BEAM GUARDRAIL	700 LF		
0026	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0027	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		
0028	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	4 EA		
0029	3642000000-E	876	RIP RAP, CLASS A	105 TON		
0030	3649000000-E	876	RIP RAP, CLASS B	18 TON		
0031	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	605 SY		
0032	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0033	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	7,080 LF		
0034	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	20 EA		

County: RICHMOND

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	5325800000-E	1510	8" WATER LINE	174 LF		
0036	5326000000-E	1510	10" WATER LINE	557 LF		
0037	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	440 LB		
0038	5801000000-E	1530	ABANDON 8" UTILITY PIPE	720 LF		
0039	5872600000-E	1550	DIRECTIONAL DRILLING OF *** 10" WATER LINE	557 LF		
0040	6000000000-E	1605	TEMPORARY SILT FENCE	1,195 LF		
0041	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	105 TON		
0042	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	225 TON		
0043	6012000000-E	1610	SEDIMENT CONTROL STONE	135 TON		
0044	6015000000-E	1615	TEMPORARY MULCHING	4 ACR		
0045	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	300 LB		
0046	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1.5 TON		
0047	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0048	6029000000-E	SP	SAFETY FENCE	1,120 LF		
0049	6030000000-E	1630	SILT EXCAVATION	300 CY		
0050	6036000000-E	1631	MATTING FOR EROSION CONTROL	10,690 SY		
0051	6037000000-E	SP	COIR FIBER MAT	100 SY		

County: RICHMOND

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	50 SY		
0053	6042000000-E	1632	1/4" HARDWARE CLOTH	100 LF		
0054	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	180 SY		
0055	6070000000-N	1639	SPECIAL STILLING BASINS	2 EA		
0056	6071012000-E	SP	COIR FIBER WATTLE	120 LF		
0057	6071014000-E	SP	COIR FIBER WATTLE BARRIER	460 LF		
0058	6071020000-E	SP	POLYACRYLAMIDE (PAM)	25 LB		
0059	6084000000-E	1660	SEEDING & MULCHING	6 ACR		
0060	6087000000-E	1660	MOWING	3 ACR		
0061	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0062	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0063	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	100 LB		
0064	6108000000-E	1665	FERTILIZER TOPDRESSING	2.5 TON		
0065	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0066	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	25 EA		
0067	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	2 EA		
0068	6123000000-E	1670	REFORESTATION	0.1 ACR		

County: RICHMOND

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	6129000000-E	1670	WETLAND REFORESTATION	0.11 ACR		
0070	6135000000-E	SP	GENERIC EROSION CONTROL ITEM DISKING	0.11 ACR		
0071	6135000000-E	SP	GENERIC EROSION CONTROL ITEM RIPPING	0.11 ACR		
STRUCTURE ITEMS						
0072	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** 19+73.00-L-	Lump Sum	L.S.	
0073	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0074	8112730000-N	450	PDA TESTING	2 EA		
0075	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** 19+73.00-L-	Lump Sum	L.S.	
0076	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	43.6 CY		
0077	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** 19+73.00-L-	Lump Sum	L.S.	
0078	8217000000-E	425	REINFORCING STEEL (BRIDGE)	5,272 LB		
0079	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES HP12X53STEELPILES	14 EA		
0080	8364000000-E	450	HP 12 X 53 STEEL PILES	700 LF		
0081	8505000000-E	460	VERTICAL CONCRETE BARRIER RAIL	141 LF		
0082	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	332 TON		
0083	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	369.5 SY		
0084	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	

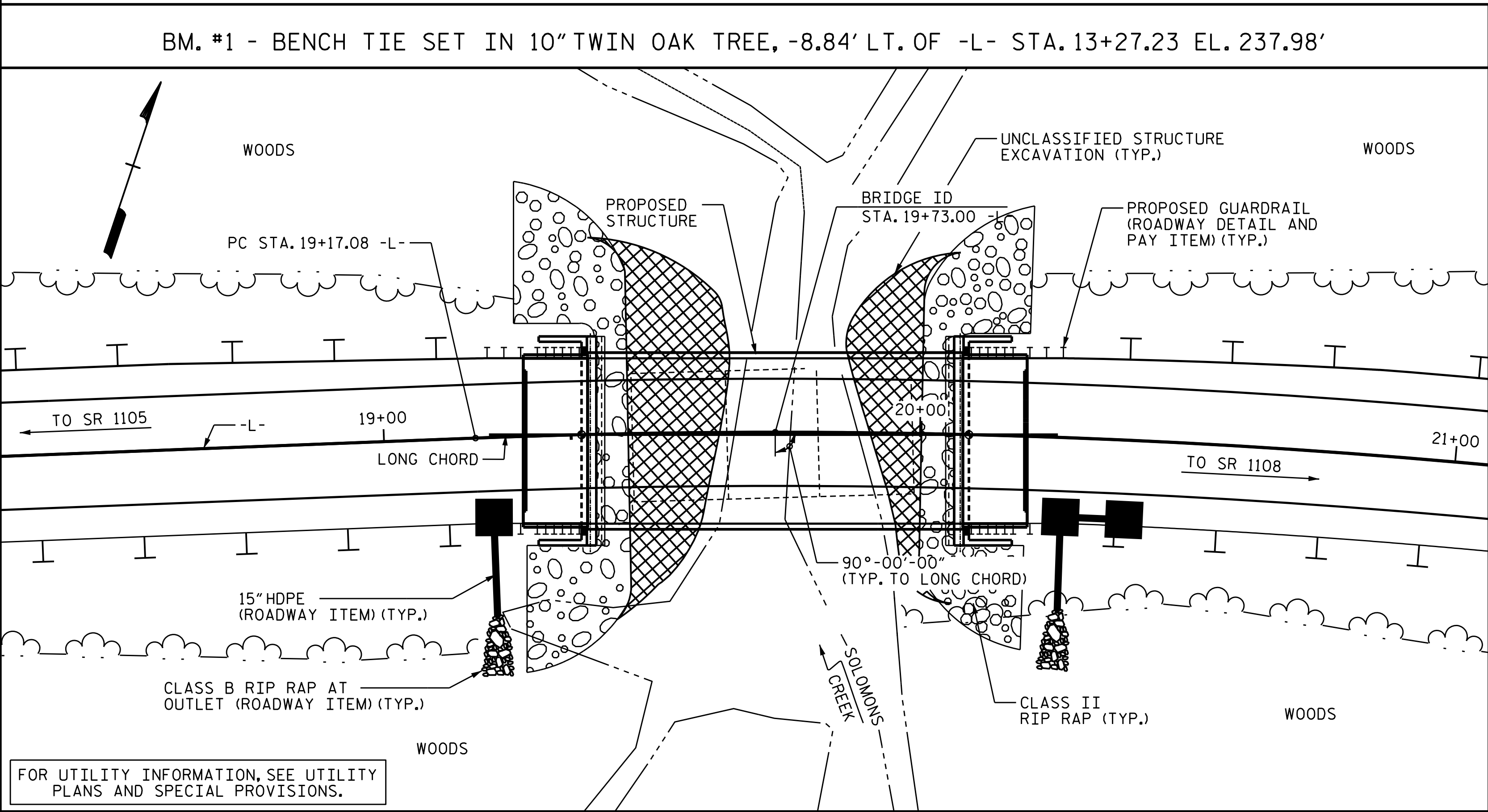
County: RICHMOND

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0085	8763000000-E	430	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS	770 LF		

1051/Aug07/Q43169.78/D398690926000/E85

Total Amount Of Bid For Entire Project :

TOTAL BILL OF MATERIAL																
	REMOVAL OF EXISTING STRUCTURE	ASBESTOS ASSESSMENT	PDA TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP12X53 STEEL PILES	HP12X53 STEEL PILES		VERTICAL CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	3'-0" X 2'-0" PRESTRESSED CONCRETE CORED SLABS	
	LUMP SUM	LUMP SUM	EA.	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	EA.	NO.	LIN. FT.	LIN. FT.	TONS	SQ. YDS.	LUMP SUM	NO.	LIN. FT.
SUPERSTRUCTURE											141			LUMP SUM	11	770
END BENT NO. 1			1		21.8		2636	7	7	350		178	198			
END BENT NO. 2			1		21.8		2636	7	7	350		154	171.5			
TOTAL	LUMP SUM	LUMP SUM	2	LUMP SUM	43.6	LUMP SUM	5272	14	14	700	141	332	369.5	LUMP SUM	11	770



LOCATION SKETCH

HYDRAULIC DATA

DESIGN DISCHARGE	= 280 C.F.S
FREQUENCY OF DESIGN DISCHARGE	= 25 YRS.
DESIGN HIGH WATER ELEVATION	= 206.1
DRAINAGE AREA	= 5.48 SQ. MI.
BASE DISCHARGE (Q100)	= 2258 C.F.S.
BASE HIGH WATER ELEVATION	= 211.5

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 4000 C.F.S.
FREQUENCY OF OVERTOPPING FLOOD	= 500(+) YRS.
OVERTOPPING FLOOD ELEVATION	= 214.2

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 2.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- 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.
- THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 38 FT EACH SIDE OF THE CENTERLINE OF ROADWAY 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.
- THE EXISTING STRUCTURE CONSISTING OF 3 SPANS (2 @ 17'-2", 1 @ 17'-0") WITH A CLEAR ROADWAY WIDTH OF 24' AND CONCRETE DECK WITH ASPHALT SUPPORTED BY TIMBER BEAMS ON TIMBER CAPS AND PILES LOCATED AT THE PROPOSED STRUCTURE SITE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY 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.
- 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.
- REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL REMOVE THE BRIDGE AND SUBMIT PLANS FOR DEMOLITION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES." FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- ASPHALT WEARING SURFACE IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.
- FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.
- ALL REMNANT PILES FROM THE EXISTING BRIDGE OR ANY PREVIOUS BRIDGES SHALL BE REMOVED. IN THE EVENT THAT A PILE CANNOT BE REMOVED COMPLETELY, THE PILE SHALL BE CUT OFF AT THE MUD LINE.

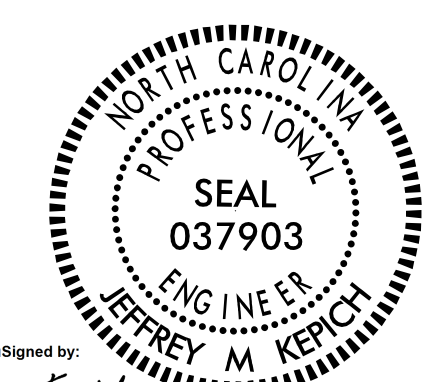
PROJECT NO. BP8.R013
RICHMOND COUNTY
 STATION: 19+73.00 -L-

SHEET 4 of 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE 140 ON SR 1971
 OVER SOLOMONS CREEK
 BETWEEN SR 1105 AND SR 1108

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1	JMK	08/03/23	3			TOTAL SHEETS 15
2			4			



ms consultants, inc.
 5444 Wade Park Blvd.
 Suite 160
 Raleigh, NC 27607
 NC License Number : C-3239

DRAWN BY : J.M. KEPICH DATE : 05/22
 CHECKED BY : L.M. SAMPLES DATE : 08/22
 DESIGN ENGINEER OF RECORD : J.M. KEPICH DATE : 08/22

*****SYSTEMS*****
 *****SERIALS*****
 *****SERIALS*****
 *****SYSTEMS*****