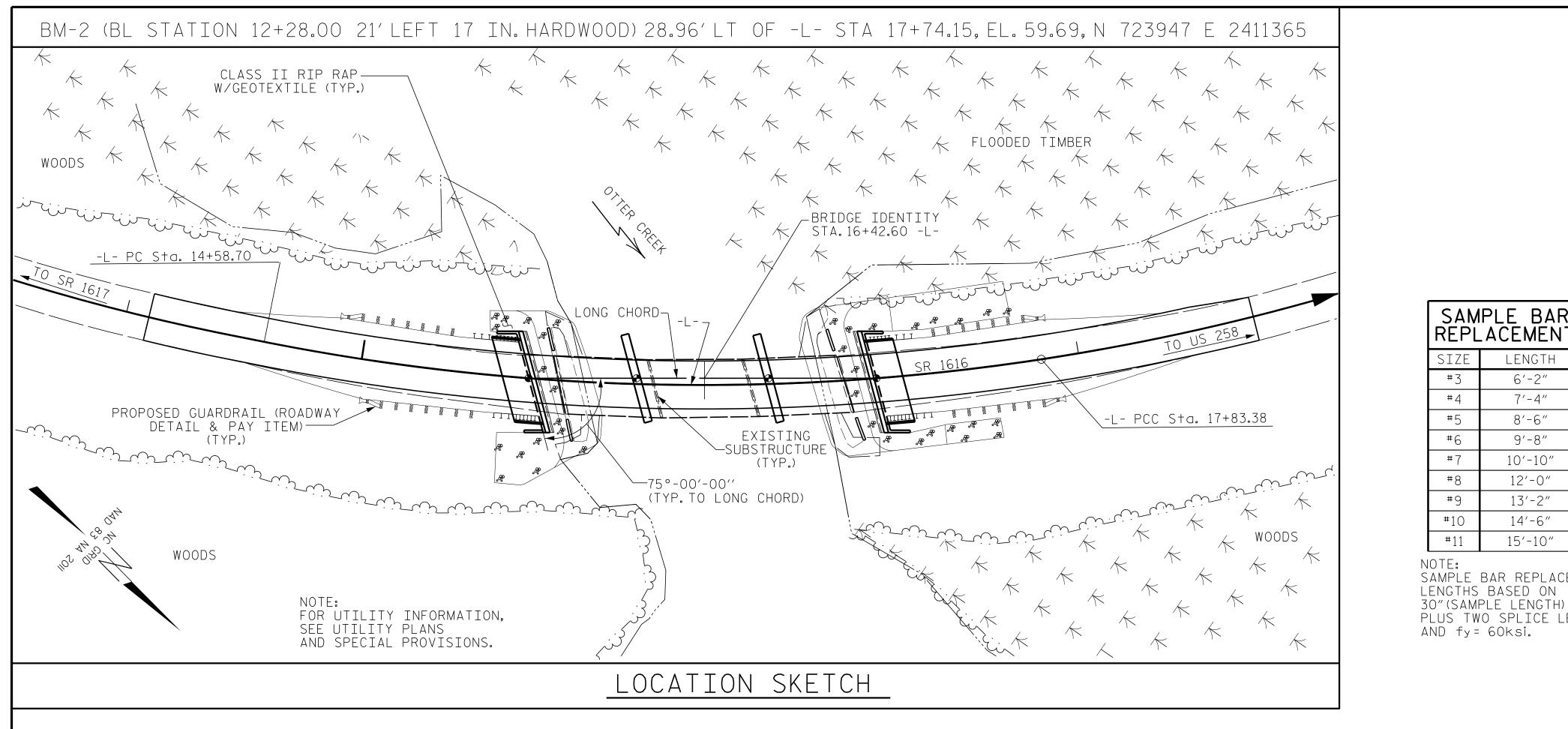
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SUPERSTRUCTURE Image: Construction of the construction of th		EXISTING			STRUCTURE	CONCRETE APPROACH	REINFORCING STEEL	G EQUIPMENT SETUP FOR HP 12 × 53	EQUIPMENT SETUP FOR 20"PRESTRESS CONCRETE	HP 12 x 53	PRESTR	RESSED Rete	PILE REDRIVES	CONCRETE BARRIER	CLASS II	FOR		PRESTRE CONCR	ESSED Rete	CONDUIT		
END BENT 1 Control <th></th> <th></th> <th>LUMP SUM</th> <th>EA.</th> <th>LUMP SUM</th> <th>CU.YDS. LUMP SUN</th> <th>/ LBS.</th> <th>EACH</th> <th>EACH</th> <th>NO. LIN.FT.</th> <th>NO. LI</th> <th>N.FT.</th> <th>EACH</th> <th>LIN.FT.</th> <th>TONS</th> <th>SQ.YD.</th> <th>LUMP SUM</th> <th>NO. L</th> <th>IN.FT.</th> <th>LIN.FT.</th> <th></th> <th></th>			LUMP SUM	EA.	LUMP SUM	CU.YDS. LUMP SUN	/ LBS.	EACH	EACH	NO. LIN.FT.	NO. LI	N.FT.	EACH	LIN.FT.	TONS	SQ.YD.	LUMP SUM	NO. L	IN.FT.	LIN.FT.		
BENT 1 Interview Date <td></td> <td>E</td> <td></td> <td>290.75</td> <td></td> <td></td> <td></td> <td>36 17</td> <td>40.00</td> <td>286.52</td> <td></td> <td></td>		E												290.75				36 17	40.00	286.52		
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END BENT 2 Image: Construction of the standard specifications. 23.4 2887 7 7 350 4 285 225 Image: Construction of the standard specifications. Station of the standard specifications. St									8				4									COUNTY
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FOUNDATION NOTES : SHEET 2 OF 2 FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS. State of NORTH CAROLI PILES AT END BENT No.1 AND END BENT No.2 ARE DESIGNED FOR A FACTORED RESISTANCE THE SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PILES AT END BENT No.1 AND END BENT No.2 ARE DESIGNED FOR A FACTORED RESISTANCE THAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 65 TONS PER PILE. IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 100 TONS PER PILE. IT HAS BEEN ESTIMATED THAT A HAMMER WITH AN EQUIVALENT RATED ENERGY IN THE RANGE OF 100 TONS PER PILE. SEA L DO BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 100 TONS PER PILE. SEA L DO BENT NO.2 TO A REQUIRED DRIVING RESISTANCE	TOTAL	LUMP SUM	LUMP SUM	2	LUMP SUM	72.8 LUMP SUN	/ 10618	14	16	14 700	16	960	16	290.75	560	450	LUMP SUM	36 17	40.00	286.52	STATION: 10 12:00	
PER PILE. PER PILE. DRIVE PILES AT BENT NO. 1 AND BENT NO. 2 TO A REQUIRED DRIVING RESISTANCE OF 240 TONS PER PILE. THIS REQUIRED DRIVING RESISTANCE INCLUDES ADDITIONAL RESISTANCE FOR SCOUR. INSTALL PILES AT BENT NO. 1 AND BENT NO. 2 TO A TIP ELEVATION NO HIGHER THAN 14.0. DRAWN BY: J-PENDERGRAFT DATE: 3-19 DOCUMENT NOT CONSTDERED ETNAL DRAWN BY: J-PENDERGRAFT DATE: 3-19 DOCUMENT NOT CONSTDERED ETNAL	FOR PILES, SE PILES AT ENE OF 65 TONS F DRIVE PILES OF 110 TONS PILES AT BEN PER PILE. DRIVE PILES PER PILE. TH	EE SECTION 450 D BENT NO.1 AN PER PILE. AT END BENT PER PILE. NT NO.1 AND BE AT BENT NO.1 IS REQUIRED E	O OF THE STA ND END BENT No.1 AND END ENT No.2 ARE AND BENT NC DRIVING RESI	NO.2 ARE BENT NO. DESIGNED 2.2 TO A F STANCE IN	DESIGNED FOR 2 TO A REQUI D FOR A FACTOR REQUIRED DRIV NCLUDES ADDITE	RED DRIVING RESIS ⁻ RED RESISTANCE OF ING RESISTANCE OF IONAL RESISTANCE F	TANCE 125 TONS 240 TONS OR SCOUR.	IT OF AND DRI TES END SEE TES REQI	HAS BEEN ESTI 55,000 TO 75,0 NO.2. THIS E VING EQUIPMEN BENTS 1 AND 2 SECTION 450 TING THE FIRS UIRED AT BEN1	IMATED THAT A DOO FT-LBS PER STIMATED ENER NT IN ACCORDAN ITH THE PDA DU 2. THE ENGINEER OF THE STANDA ST PRODUCTION I NO.1 OR 2. TH	HAMMER BLOW W GY RANGE NCE WITH RING DR R WILL D RD SPECI PILE WI E ENGINE	WITH AN /ILL BE F E DOES N H SUBART IVING, RE DETERMIN IFICATIO TH THE F EER WILL	N EQUIVAL REQUIRED NOT RELEA ICLE 450 ESTRIKING NE THE NE ONS. PDA DURIN L DETERMI	ENT RATED TO DRIVE F SE THE CON -3(D)(2) OF T G OR REDRI ED FOR PDA NG DRIVING NE THE NEE	ENERGY IN PILES AT BE ITACTOR FRO THE STANDAR VING MAY B TESTING. F	THE RANGE ENT NO.1 M PROVIDIN D SPECIFICA E REQUIRED FOR PDA TES G OR REDRIV	ATIONS. AT TING, 'ING IS			Bocusigned by: John Arthur Diworth Bocusigned by: John Arthur Diworth Bocusigned by: John Arthur Diworth	RD STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPO RALEIGH GENERAL DRAW BRIDGE ON SR 1 OVER OTTER CRE BETWEEN SR 1617 AND REVISIONS	ING 616 EEK US 258

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	PLE BAR ACEMENT
SIZE	LENGTH
#3	6'-2"
#4	7′-4″
#5	8'-6"
#6	9′-8″
#7	10'-10"
#8	12'-0"
#9	13'-2"
#10	14′-6″
#11	15'-10"

SAMPLE BAR REPLACEMENT 30" (SAMPLE LENGTH) PLUS TWO SPLICE LENGTHS

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AS	SSL	JME	

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1. FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET S-1 SHALL BE EXCAVATED FOR A DISTANCE OF 35 FT. EACH SIDE OF CENTERLINE 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 1 SPAN @ 40'-0".1 SPAN @ 40'-6" AND 1 SPAN @ 41'-O"WITH A CLEAR ROADWAY WIDTH OF 24' AND HAVING A REINFORCED CONCRETE DECK ON I-BEAMS SUPERSTRUCTURE AND A SUBSTRUCTURE OF END BENTS AND INTERIOR BENTS WITH REINFORCED CONCRETE CAPS AND REINFORCED CONCRETE PILES SHALL BE REMOVED. THE EXISTING BRIDGE IS CURRENTLY POSTED FOR LOAD LIMITS.

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 DIFFERENCE 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.

FOR FIBER OPTIC CONDUIT SYSTEM, SEE SPECIAL PROVISIONS.

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 16+42.60 -L-."

ES :

IED LIVE LOAD = HL93 OR ALTERNATE LOADING. THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

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.