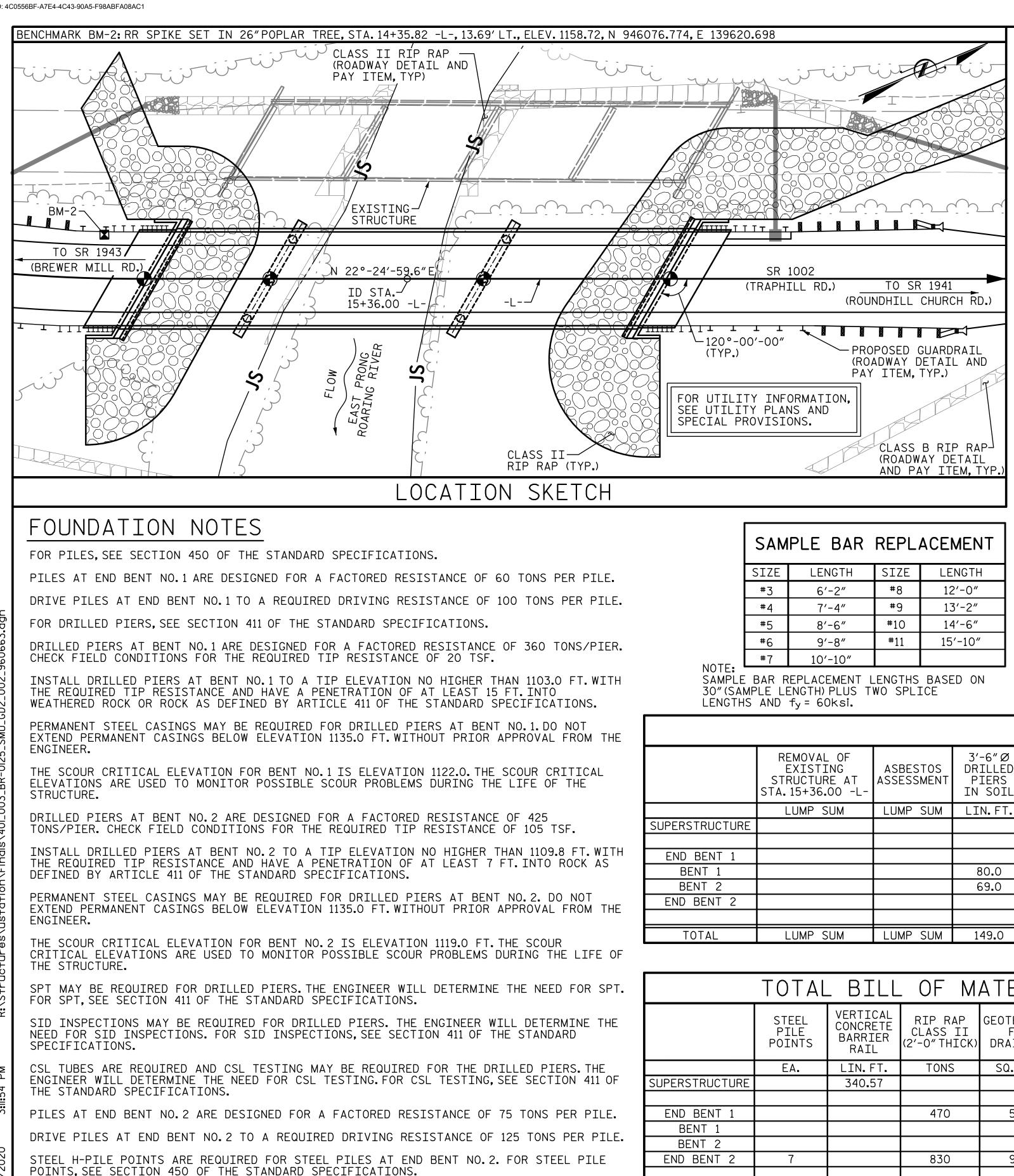
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OBSERVE A 2 MONTH WAITING PERIOD AFTER CONSTRUCTION OF THE EMBANKMENT TO WITHIN 2 FT. OF FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENT NO.1 AND END BENT NO.2. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SECTION 235 OF THE STANDARD SPECIFICATIONS.

)	DRAWN BY :	WAW	DATE : <u>10-19</u>
2	CHECKED BY :	JWJ	DATE :02-20
<b>`</b>	DESIGN ENGINEER	OF RECORD :JWJ	DATE :04-20

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

## GENERAL NOTES

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR OTHER DESIGN DATA AND GENERAL NOTES. SEE "STANDARD NOTES" SHEET.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

THE EXISTING STRUCTURE CONSISTING OF (2) 37'-10" & (2) 37'-6" REINFORCED CONCRETE DECK ON STEEL I-BEAMS SPANS WITH A CLEAR ROADWAY WIDTH OF 24'-O"ON CONCRETE CAPS, TIMBER POSTS, AND CONCRETE SILLS AND LOCATED UPSTREAM FROM THE PROPOSED STRUCTURE 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. FOR REMOVAL OF EXISTING STRUCTURE. SEE SPECIAL PROVISIONS.

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 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.

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 15+36.00 -L-".

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.

AT THE CONTRACTOR'S OPTION, PRESTRESSED CONCRETE END BENT AND BENT CAPS MAY BE SUBSTITUTED IN PLACE OF THE CAST-IN-PLACE CAPS. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER TO RECEIVE REVISED PLANS AND DETAILS FROM THE STRUCTURES MANAGEMENT UNIT. THE REDESIGN AND ANY ADDITIONAL MATERIALS NEEDED WILL BE AT NO ADDITIONAL COST TO THE CONTRACTOR.

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

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.

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.

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				TOTAL	BILL O	F MATE	RIAL								
	REMOVAL OF EXISTING STRUCTURE AT STA.15+36.00 -L-	ASBESTOS ASSESSMENT	3'-6″Ø DRILLED PIERS IN SOIL	PIERS	PERMANENT STEEL CASING FOR 3'-6"Ø DRILLED PIER	SID INSPECTIONS	SPT TESTING	CSL TESTING	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP12X53 STEEL PILES	HP 12 X 53 STEEL PILES	
	LUMP SUM	LUMP SUM	LIN.FT.	LIN.FT.	LIN.FT.	EA.	EA.	EA.	CU.YDS.	LUMP SUM	LBS.	LBS.	EA.	NO.	LIN.FT.
PERSTRUCTURE															
END BENT 1									24.1		2,923		7	7	210
BENT 1			80.0	40.0	29.0				32.7		15,254	3,741			
BENT 2			69.0	33.0	27.0				31.1		13,908	3,298			
END BENT 2									24.3		2,923		7	7	210
TOTAL	LUMP SUM	LUMP SUM	149.0	73.0	56.0	2	2	1	112.2	LUMP SUM	35,008	7,039	14	14	420
													-		

	TOTAL	_ BILL	OF M	ATERIA	AL (CON	T'I	D.)			
	STEEL PILE POINTS	VERTICAL CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-O" THICK)	FUR	ELASTOMERIC BEARINGS	PRE C(	O″X 1'-9″ STRESSED DNCRETE ED SLABS	PRE C(	DNCRETE	FIBER OPTIC CONDUIT SYSTEM
	EA.	LIN.FT.	TONS	SQ.YDS.	LUMP SUM	NO.	LIN.FT.	NO.	LIN.FT.	LIN.FT.
ERSTRUCTURE		340.57				11	440.0	22	1,430.0	336.6
ND BENT 1			470	525						
BENT 1										
BENT 2										
ND BENT 2	7		830	925						
TOTAL	7	340.57	1,300	1,450	LUMP SUM	11	440.0	22	1,430.0	336.6

	PROJECT NOBR-0125
	WILKES COUNTY
	STATION: 15+36.00 -L-
	SHEET 2 OF 2
6807E5EFD47844E	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
038640	GENERAL DRAWING
SEAL 038640 NGINEE SLEY JUNIOUS/15/2020	FOR BRIDGE ON SR 1002 (TRAPHILL RD.) OVER
No License Number F-0991	EAST PRONG ROARING RIVER BETWEEN SR 1943 AND SR 1941
DOCUMENT NOT CONSIDERED	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: S-2
FINAL UNLESS ALL SIGNATURES COMPLETED	1 3 TOTAL SHEETS 23