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		TOTAL	BILL	OF MA	ATERIAL							
S	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES	HP 1 STEE	2 X 53 L PILES	STEEL PILE POINTS	VERTICAL CONCRETE BARRIER RAIL	CL
	EACH	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	LBS.	EACH	NO.	LIN.FT.	EACH	LIN.FT.	Т
				LUMP SUM							210.25	
		LUMP SUM	20.0		2449		5	5	120	5		
			15.1		6026	774						
		LUMP SUM	20.0		2449		5	5	75			
	1	LUMP SUM	55.1	LUMP SUM	10924	774	10	10	195	5	210.25	

## 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 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.

AT THE CONTRACTOR'S OPTION, AND UPON REMOVAL OF THE CAUSEWAY, THE CLASS II RIP RAP USED IN THE CAUSEWAY MAY BE PLACED AS RIP RAP SLOPE PROTECTION. SEE SPECIAL PROVISIONS FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVA FOR A DISTANCE OF 30 FT (LT.) AND 90 FT (RT.) AT END BENT No.1 AND A DISTANCE OF 35 FT (LT.) AND 45 FT. (RT.) OF CENTERLINE ROADWAY AT END BENT NO. 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.

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

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.

AFTER SERVING AS A TEMPORARY STRUCTURE, THE EXISTING 3-SPAN STRUCTURE (1 @ 25'-7<sup>1</sup>/2",1 @ 40',1 @ 25'-7<sup>1</sup>/2") CONSISTING OF A TIMBER FLOOR WITH A 2" ASPHALT WEARING SURFACE ON 8 LINES OF STEEL I-BEAMS AND WITH A CLEAR ROADWAY WIDTH OF 19'-1" AND A SUBSTRUCTURE CONSISTING OF YOUNT MASONARY ABUTMENTS AND PIEL LOCATED UPSTREAM FROM THE PROPOSED STRUCTURE SHALL BE REMOVE THE EXISTING BRIDGE IS PRESENTLY POSTED FOR LOAD LIMIT. SHOUL THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, THIS LOAD LIMIT MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

INASMUCH AS THE PAINT SYSTEM ON THE STRUCTURAL STEEL CONTAIN 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".

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

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

RIP RAP LASS II		RIP RAP CLASS II (2'-O'' THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	PRI C	Oʻ'X 1'-9'' ESTRESSED ONCRETE RED SLABS	ASBESTOS ASSESSMENT				
TONS		TONS	SQ. YDS.	LUMP SUM	NO.	LIN.FT.	LUMP SUM				
				LUMP SUM	20	1050.00	LUMP SUM				
55			61								
		82	91								
55		82	152	LUMP SUM	20	1050.00					
TED R DGE DNS.	PERMANENT STEEL CASINGS MAY BE REQUIRED FOR DRILLED PIERS AT BENT No.1. IF REQUIRED, DO NOT EXTEND PERMANENT CASINGS BELOW ELEVATION 2190 WITHOUT PRIOR APPROVAL FROM THE ENGINEER.THE ENGINEER WILL DETERMINE THE NEED FOR PERMANENT STEEL CASINGS. INSTALL DRILLED PIERS AT BENT No.1 TO A TIP ELEVATION NO HIGHER THAN ELEVATION 2183 WITH THE REQUIRED TIP RESISTANCE AND PENETRATION OF AT LEAST 6 FEET INTO ROCK AS DEFINED BY ARTICLE 411-1 OF THE STANDARD SPECIFICATIONS.										
RS, D. D	No. 218	2. EXCAVATE 5 (LT.) AND 21	N IS REQUIRED HOLES AT PIL 87 (RT.), RESPE( O OF THE STAN	E LOCATIONS <sup>-</sup> CTIVELY. FOR	FO E PILE	LEVATION E EXCAVATI					
1S	100	NCRETE IS RE	JAC	ECT NO CKSON ION:_ <sup>10</sup>		B-515	59 COUNTY				
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH GENERAL DRAWING FOR BRIDGE OVER CANEY FORK CREEK ON SR 1740 BETWEEN SR 1737 AND SR 1739 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED										

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