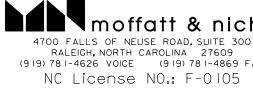


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25+64.88 -L-,EL.418.82	NOTES					
	ASSUMED LIVE LOAD= HL-93 OR ALTERNATE LOADING.					
	THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.					
DODS	THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.					
- BEGIN TEMPORARY SHORING	FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.					
FOR MAINTENANCE OF TRAFFIC	FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.					
END TEMPORARY SHORING FOR	FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.					
MAINTENANCE OF TRAFFIC	FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.					
	FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.					
	REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.					
22+00 TO US 158	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 AT STATION 20+18.00 -L					
	NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON The plans or approved by the engineer.					
PROPOSED GUARDRAIL (ROADWAY PAY ITEM AND DETAIL) (TYP.)	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 20+18.00 -L"					
	THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS.NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.					
	THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 65 FT.LEFT OF -L- AND 80 FT.RIGHT OF -L- AT END BENT 1 AND 65 FT.LEFT OF -L- AND 70 FT.RIGHT OF -L- 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.					
	TEMPORARY SHORING WILL BE REQUIRED IN THE AREAS INDICATED IN THE PLAN VIEW.					

ILL OF	MAT	ERIAL -						
PERMANENT STEEL CASING FOR 4'-0"Ø DRILLED PIER	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION AT STA.20+18 -L-	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS AT STA.20+18 -L-	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL
LIN.FT.	EACH	LUMP SUM	SQ.FT.	SQ.FT.	CU. YDS.	LUMP SUM	LBS.	LBS.
			11,729	12,146				
					42.4		6,219	
39.0	3				57.0		14,694	3,658
9.0	3				49.1		16,953	4,693
					42.0		6,089	
48.0	6	LUMP SUM	11,729	12,146	190.5	LUMP SUM	43,955	8,351

— TOTAL BILL OF MATERIAL ———								
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES		12 X 53 El Piles	STEEL PILE POINTS	DYNAMIC PILE TESTING	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0"THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS
EACH	NO.	LIN.FT.	EACH	EACH	LIN.FT.	TONS	SQ.YDS.	LUMP SUM
					496.46			LUMP SUM
9	9	210	9			847	896	
9	9	450				547	579	
18	18	660	9	1	496.46	1,394	1,475	LUMP SUM



- FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS. FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS.
- THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT, MAINTAIN AND AFTERWARDS REMOVE A TEMPORARY STRUCTURE AT STATION 17+10.00 -LDET- FOR USE DURING CONSTRUCTION OF THE PROPOSED STRUCTURE. FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY STRUCTURE, SEE SPECIAL PROVISIONS.
- THE BRIDGE RAILS ON THE TEMPORARY STRUCTURE SHALL BE DESIGNED FOR THE AASHTO LRFD TEST LEVEL 3 (TL-3) CRASH TEST CRITERIA. FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY STRUCTURE, SEE SPECIAL PROVISIONS.
- THE EXISTING STRUCTURE CONSISTS OF FOUR SPANS (55', 55', 55' & 55') WITH A CLEAR ROADWAY WIDTH OF 43'-4"WITH A REINFORCED CONCRETE DECK ON STEEL I-BEAMS. THE SUBSTRUCTURE CONSISTS OF CONCRETE ABUTMENTS ON STEEL PILES, CONCRETE CAP AND COLUMNS AT BENTS 1 & 2, AND CONCRETE CAP ON STEEL PILES AT BENT 3. THE EXISTING STRUCTURE LOCATED AT THE PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. RAP SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETIORATE DURING CONSTRUCTION OF THE DETOUR BRIDGE, A LOAD LIMIT MAY BE POSTED 18.00 AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.
- THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS SON IS FROM THE BEST INFORMATION AVAILABLE. THE 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 ICLE BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE M SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT 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.
- CLES THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18 -EVALUATING SCOUR AT BRIDGES".
- THE SCOUR CRITICAL ELEVATION FOR BENT #1 IS ELEVATION 396.4. THE SCOUR CRITICAL ELEVATION FOR BENT #2 IS ELEVATION 411.0. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR D PROBLEMS DURING THE LIFE OF THE STRUCTURE.
- FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.
- N FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

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		STATI	ON:	20+18	<u> </u>	_		
SHEET 4 OF 4								
		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						
	OR THE CARO	GENERAL DRAWING BRIDGE OVER COUNTRY LINE CREEK ON US 158/NC 86 BETWEEN NC 62 & US 158						
	4/2/2024							
hol	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL	NO. BY:	REVIS DATE:	NO. BY:	DATE:	SHEET NO. S-4		
FAX	SIGNATURES COMPLETED	12		3 4		total sheets 38		