

	EXISTING	UNCLASSFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	HP STEI	12 X 53 EL PILES	STEEL PILE POINTS	PREDRILLING FOR PILES	TWO BAR METAL RAIL	1'-2" X 2'-9 ¹ /2" CONCRETE PARAPET	RIP RAP CLASS II	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	PRE	YY X 2'-OYY STRESSED CRETE ED BS
	LUMP SUM	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	NO.	LIN.FT.	EA.	LIN.FT.	LIN.FT.	LIN.FT.	TONS	SQUARE YARDS	LUMP SUM	NO.	LIN.FT.
SUPERSTRUCTURE				LUMP SUM						123.88	140.00			LUMP SUM	11	770.00
END BENT NO. 1		LUMP SUM	14.7		2182	7	210	7	78			80	48			
END BENT NO. 2		LUMP SUM	14.7		2182	7	230					80	48			
TOTAL	LUMP SUM	LUMP SUM	29 . 4	LUMP SUM	4364	14	440	7	78	123.88	140.00	160	96	LUMP SUM	11	770.00

DRAWN BY :	H. T. BAI	RBOUR	DATE :	4-10-15
CHECKED BY :	V. X. NO	SUYEN	DATE :	5-15
DESIGN ENGINEER	OF RECORD:	A.M. LEE	DATE :	8-7-15

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ASSL	N JMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
THIS	S BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
THIS	S BRIDGE IS LOCATED IN SEISMIC ZONE 1.
FOR SN.	OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET
	SUBMITTAL OF WORKING DRAWINGS,SEE SPECIAL /ISIONS.
	FALSEWORK AND FORMWORK, SEE SPECIAL /ISIONS.
FOR	CRANE SAFETY, SEE SPECIAL PROVISIONS.
FOR	GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
SAMP PROJ STEE AND REIN SIZE ARE BARS MIN PAYN	CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE PLES OF REINFORCING STEEL AS FOLLOWS: FOR JECTS REQUIRING UP TO 400 TONS OF REINFORCING L, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, FOR PROJECTS REQUIRING OVER 400 TONS OF NFORCING STEEL, TWO 30 INCH SAMPLES OF EACH E BAR USED. THE BARS FROM WHICH THE SAMPLES TAKEN MUST THEN BE SPLICED WITH REPLACEMENT S OF THE SIZE AND LENGTH OF THE SAMPLE, PLUS A IMUM LAP SPLICE OF THIRTY BAR DIAMETERS. MENT FOR THE SAMPLES OF REINFORCING STEEL L BE CONSIDERED INCIDENTAL TO VARIOUS PAY MS.
STRU ATTE STAN COMP REGU CONT	SMUCH AS THE PAINT SYSTEM ON THE EXISTING JCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ENTION IS DIRECTED TO ARTICLE 107-1 OF THE NDARD SPECIFICATIONS. ANY COSTS RESULTING FROM PLIANCE WITH APPLICABLE STATE OR FEDERAL JLATIONS PERTAINING TO HANDLING OF MATERIALS FAINING LEAD BASED PAINT SHALL BE INCLUDED IN BID PRICE FOR ``REMOVAL OF EXISTING STRUCTURE.

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DESIGN DISCHARGE 1200 CFS FREQUENCY OF DESIGN FLOOD 2 YEARS DESIGN HIGH WATER ELEVATION 2110.40 DRAINAGE AREA 5.1 SQ. MI. BASE DISCHARGE(Q100) 4180 CFS BASE HIGH WATER ELEVATION 2112.08

OVER OVERTOP THE MATERIAL SHOWN IN THE HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 20 FT.RIGHT AND 25 FT.LEFT 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.

AFTER SERVING AS A TEMPORARY STRUCTURE THE EXISTING STRUCTURE CONSISTING OF 1 SPAN @ 31'-O"WITH 2¹/₄" ASPHALT WEARING SURFACE ON 3"X 4"TIMBERS ON 8 LINES OF 18"I-BEAMS AT 2'-3¹/₂"CTS. AND A CLEAR ROADWAY WIDTH OF 17.0 FT., ON TIMBER CAP AND TIMBER PILES AT THE END BENTS LOCATED DOWNSTREAM FROM THE EXISTING 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, THE POSTED LIMIT 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 SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE 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.

HYDRAULIC DATA

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE_____1900 CFS FREQUENCY OF OVERTOPPING FLOOD__5 YR. OVERTOPPING FLOOD ELEVATION____2110.30 (@ STA. 07+23-L-)

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SEAL 17230 Bocusigned by: Wall Quafat 41390(124320B406	GI N SR	ENER FOR I NICHOL 1119	RALEIGH AL DF BRIDGE SON CI BETWEE	NSPORTA RAWIN OVER REEK OI	IG N 118	
11/18/2015	REVISIONS SHE					
	NO. BY:	DATE:	NO. BY:	DATE:	S-3	
	1		3	1	TOTAL SHEETS	
	2		4		18	