

	REMOVAL OF EXISTING STRUCTURE	PDA TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	HP STE	12 X 53 EL PILES	STEEL PILE POINTS	PREDRILLING FOR PILES	VERTICAL CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)		ELASTOMERIC BEARINGS	PRES CO	"X 2'-0" STRESSED NCRETE ED SLABS
	LUMP SUM	EA.	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	NO.	LIN.FT.	EA.	LIN.FT.	LIN.FT.	TONS	SQ.YARDS	LUMP SUM	NO.	LIN.FT.
SUPERSTRUCTURE					LUMP SUM						140.00			LUMP SUM	10	700
END BENT NO. 1			LUMP SUM	14.8		2206	5	115	5	52		90	100			
END BENT NO. 2			LUMP SUM	14.8		2206	5	115	5	50		95	105			
TOTAL	LUMP SUM	1	LUMP SUM	29.6	LUMP SUM	4412	10	230	10	102	140.00	185	205	LUMP SUM	10	700

DRAWN BY :	H.T. BARBOUR	DATE : <u>6-17-15</u>
CHECKED BY :	D. HODGE	DATE :6-15
DESIGN ENGINEER	OF RECORD: J.P. McCARTHA	DATE : <u>7-30-15</u>

+

+

18-NOV-2015 08:54 Y:\Structures\FinalPlans\B5404_SD_GD.dgn warafat

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 FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS.FOR PAY ITEM SN. FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS. 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.

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 BARS FROM WHICH THE SAMPLES ARE TAKEN MUST THEN BE SPLICED WITH REPLACEMENT BARS OF THE SIZE AND LENGTH OF THE SAMPLE, PLUS A MINIMUM LAP SPLICE OF THIRTY BAR DIAMETERS. PAYMENT FOR THE SAMPLES OF REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

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 17+20.00 -L-."

HYDRAULIC DATA

DESIGN DISCH FREQUENCY OF DESIGN HIGH DRAINAGE ARE BASE DISCHAR BASE HIGH WA

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE_____ 1835 CFS FREQUENCY OF OVERTOPPING FLOOD__ 100 (+) YR. OVERTOPPING FLOOD ELEVATION_____ 3542.40 (@ STA.15+66.80 -L-)

NOTES

THE MATERIAL SHOWN IN THE HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 20 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.

AFTER SERVING AS A TEMPORARY STRUCTURE THE EXISTING STRUCTURE CONSISTING OF 2 SPANS @ 17'-8" WITH 4" ASPHALT WEARING SURFACE ON 4"X 8"TIMBERS ON 8 LINES OF 16" CONTINUOUS I-BEAMS @ 2'-7" CTS. AND A CLEAR ROADWAY WIDTH OF 19.208 FT., ON TIMBER CAPS AND TIMBER POST AND SILLS AT THE END BENTS AND CRUTCH BENT LOCATED UP STREAM 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, THE POSTED LOAD 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 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.

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.

IARGE	1100 CFS
DESIGN FLOOD	25 YEARS
WATER ELEVATION	3540.10
Α	4.07 SQ.MI.
GE (0100)	1790 CFS
TER ELEVATION	3542.19

	PROJEC	CT NO. JACKS		-5404	1 UNTY		
STATION: 17+20.00							
HORTH CAROLINA	SHEET 3 OF 3 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						
SEAL I7230 DocuSigned by: Wael Qrafat	GENERAL DRAWING FOR BRIDGE OVER PINE CREE ON SR 1163 BETWEEN SR 1162 AND SR 1145						
4139C12A32AB406 11/18/2015	REVISIONS SHEET NO.						
	№. вү: 1 2	DATE:	NO. ВҮ: З 4	DATE:	S-3 total sheets 14		