

									TOT				•									
									1014	AL BILL	OF MA	A LERTA	NL									
	CONSTRUCTIO MAINTENANC AND REMOVAL TEMPORARY STRUCTURE	ON, E OF	REMOVAL EXISTIN STRUCTU	OF NG RE	4'-O″D DRILLED IN SO	PIA. PIERS DIL	4'-0' DRILLEI NOT I	″DIA. D PIERS N SOIL	PERN CASINC DR	MANENT STEEL 5 FOR 4'-O"DIA ILLED PIER	SID INSPECTION	SPT NS TESTING	CSL TESTING	UNCL STF EXC	ASSIFIED RUCTURE AVATION	REINFORG CONCRE DECK SL	CED GRO FE BI AB FI	OOVING RIDGE LOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	
	LUMP SUM		LUMP SL	JM	LIN.F	T.	LIN	.FT.		LIN.FT.	EACH	EACH	EACH	LUI	MP SUM	SQ.FT	. S	Q.FT.	CU. YDS.	LUMP SUM	LBS.	
SUPERSTRUCTURE																12,412	1	2,241		LUMP SUM		
END BENT 1																			46.0		6,141	
BENT 1					69.0)	33	3.0		69.0	1	1	1						55.4		18,467	
END BENT 2																			46.2		6,298	
TOTAL	LUMP SUM		LUMP SL	JM	69.0)	33	3.0		69.0	1	1	1	LUI	MP SUM	12,412	1	2,241	147.6	LUMP SUM	30,906	
	SPIRAL COLUMN REINFORCING STEEL		MODIFIED 63" PRESTRESSED CONCRETE GIRDERS		HP 12X53 TW FEEL PILES MET		TWO BAR		RETE 1'-2" X 2'-6" CONCRETE	4″ SLOPE PROTECTION	RIP RAP CLASS II (2'-0" THICK	GEOTEXT FOR K) DRAINA	XTILE DR		RIC ASBESTO		-		HYDRA	ULIC DA		
							AL RAIL DARRI		ILK KAIL				PARAPET	JAGE DEARIN	G2 A22		DESIGN DI	ISCHARGE (OF DESTGN				
	LBS.	NO. LIN. FT. NC		NO.	LIN.FT.	LI	N.FT. LIN.		FT.	LIN.FT.	SQ.YDS.	TONS	SQ. 1	YDS.	DS. LUMP SUM		LUMP SUM		DESIGN HIGH WATER ELEVATION DRAINAGE AREA			
SUPERSTRUCTURE		14	1,516.08			21	0.05	486	5.44	218.23	375				LUMP S		MP SUM	1	BASE DISCHARGE (Q100) BASE HIGH WATER ELEVATION			
END BENT 1				11	445															TADDT		
BENT 1	3,668			Ĩ															OVER	10661	NG FLO(
END BENT 2				11	385							590	65	50					OVERTOPPING DISCHARGE			
TOTAL	3,668	14	1,516.08	22	830	21	0.05	486	5.44	218.23	375	590	65	50	LUMP S	SUM LU	MP SUM		OVERTOPPING FLOOD ELEVATION			

DRAWN BY :	N.D'	AIUTO	DATE :	8/27/15
CHECKED BY :	K.D.I	LAYNE	DATE :	9/8/15
DESIGN ENGINEER	OF RECORD:	H.A.LOCKLEAR	DATE :	12/7/15

+

REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

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 40 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.

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 21+44.10 -L- 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 CONSISTING OF 4 SPANS @ 52'-6" ON REINFORCED CONCRETE DECK GIRDERS WITH A CLEAR ROADWAY WIDTH OF 25'-10" ON REINFORCED CONCRETE ABUTMENTS ON SPREAD FOOTINGS AT END BENTS AND REINFORCED CONCRETE POST AND WEB ON SPREAD FOOTINS AT BENTS LOCATED AT THE PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISITNG BRIDGE IS PRESENTLY NOT 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.

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 DRDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

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

EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

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

CONTRACTOR SHALL TAKE ALL PRECAUTIONS NOT TO DISTURB OR DAMAGE THE STING 54 INCH SANITARY SEWER LINE WHILE CONSTRUCTING THE DETOUR GE. THE CONTRACTOR WILL BE RESPONSIBLE TO FIX ANY DAMAGE CAUSED NG CONSTRUCTION AT NO ADDITIONAL COST TO THE UTILITY COMPANY OR FE.FOR UTILITY INFORMATION.SEE UTILITY PLANS AND SPECIAL PROVISIONS.

) C.F.S. S. 50.MI.) C.F.S.		PROJEC CA STATIC	T NO. Abarf DN:	<u>B-</u> RUS 21+44	-5123 co	OUNTY ·L-				
ТΑ		SHEET 3 C)F 3							
) C.F.S. YRS.)	TH CAROLAN	DEPA	STATE RTMENT	OF NORTH CAR OF TRAN RALEIGH	NSPORTA	TION				
	OFESSION A PATENTING	GI FOR ROCK BETWE	ENERA BRIDG Y RIVE EN SR	ALDF E ONL ER&S 1300	RAWIN JS 29 (Servici And Sf	NG OVER E RD. ₹ 1305				
	vípul a patel (LEFT LANE)									
	3/1/2016		REVIS	IONS		SHEET NO.				
	NT NOT CONSIDERED	NO. BY:	DATE:	NO. BY:	DATE:	S-3 TOTAL SHEETS				
SIGNA	TURES COMPLETED	2		4		74				
STR. #1										