

							T	$\Box \Box \Delta \Box$	R T I I	OF N		ΓΔ								
	4'-0"DIA DRILLED PIERS IN SOIL	4'-O"DIA DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 4'-O"DIA. DRILLED PIER	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING	SPIRAL COLUMN REINFORCING STEEL	MOD PRE CON GIR	LFIED 72" STRESSED CRETE DERS	HP 1 Stee	L2 X 53 El PILES	STEEL PILE POINTS	CONCRETE BARRIER RAIL	4″SLOPE PROTECTION	RIP RAP CLASS II	GEOTEX FOR DRAINA
	LIN.FT.	LIN.FT.	LIN.FT.	EA.	LUMP SUM	SQ.FT.	SQ.FT.	CU.YDS.	LUMP SUM	LBS.	LBS.	NO.	LIN.FT.	NO.	LIN.FT.	EA.	LIN.FT.	SQ.YDS.	TONS	SQ. YE
SUPERSTRUCTURE						27,053	24,963					25	2,619.17				1,055.42			
END BENT 1								58.8		7,781				8	280	8			885	983
BENT 1	40.80	36.00	44.72	1				61.4		17,250	3,775									
BENT 2	34.80	36.00	33.29	1				64.3		17,393	3,841									
BENT 3	47.10	36.00		1				55.9		16,676	3,524									
BENT 4	55.80	36.00		1				56.9		17,409	3,813									
END BENT 2								49.9		6,521				9	315	9		13		
TOTAL	178.50	144.00	78.01	4	LUMP SUM	27,053	24,963	347.2	LUMP SUM	83,030	14,953	25	2,619.17	17	595	17	1,055.42	13	885	983



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ŋgin	DRAWN BY :	D. H. CARTER	DATE	: JUN	2015
Ш	CHECKED BY :	M.T.NEIHEISEL	DATE	: JUN	2015
ICA	DESIGN ENGIN	EER OF RECORD:	DATE	: JUN	2015



NOTES:

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ASSUMED LIVE LOAD= HL-93	OR ALTERNATE LOADING.
REQUIREMENTS OF THE AASH	TO LRFD BRIDGE DESIGN SPECIFICATIONS.
THIS BRIDGE IS LOCATED I	IN SEISMIC ZONE 1.
FOR OTHER DESIGN DATA AN	ND GENERAL NOTES, SEE SHEET SN.
FOR SUBMITTAL OF WORKING	G DRAWINGS, SEE SPECIAL PROVISIONS.
FOR CRANE SAFELY, SEE SPE	CIAL PROVISIONS.
FOR GROUT FOR STRUCTURES	S, SEE SPECIAL PROVISIONS.
FOR PLACING LOAD ON STRU	JCTURE MEMBERS, SEE SPECIAL PROVISIONS.
THE MATERIAL SHOWN IN THE EXCAVATED FOR A DISTANCE CENTERLINE OF ROADWAY AS BE PAID FOR AT THE CONTE STRUCTURE EXCAVATION, SEE	HE CROSS-HATCHED AREA ON SHEET S-1 SHALL BE E OF 60.0 FT.AT BENT 3 ON EACH SIDE OF THE S DIRECTED BY THE ENGINEER.THIS WORK WILL RACT LUMP SUM PRICE FOR UNCLASSIFIED E SECTION 412 OF THE STANDARD SPECIFICATIONS
FOR FALSEWORK AND FORMWO	ORK, SEE SPECIAL PROVISIONS.
FOR MAINTENANCE AND PRO STRUCTURE, SEE SPECIAL PR	TECTION OF TRAFFIC BENEATH PROPOSED Rovisions.
REMOVABLE FORMS MAY BE U ACCORDANCE WITH ARTICLE	JSED IN LIEU OF METAL STAY-IN-PLACE FORMS IN 420-3 OF THE STANDARD SPECIFICATIONS.
NEEDLE BEAMS WILL NOT BE PLANS OR APPROVED BY THE	E ALLOWED UNLESS OTHERWISE CALLED FOR ON THE E ENGINEER.
THE CLASS AA CONCRETE IN GROUND GRANULATED BLAST SPECIFIED IN ARTICLE 102 PAYMENT WILL BE MADE FOR INCIDENTAL TO THE COST (N THE BRIDGE DECK SHALL CONTAIN FLY ASH OR FURNACE SLAG AT THE SUBSTITUTION RATE 4-6 OF THE STANDARD SPECIFICATIONS. NO R THIS SUBSTITUTION AS IT IS CONSIDERED OF THE REINFORCED CONCRETE DECK SLAB.
THE CONTRACTOR SHALL PRO REINFORCING STEEL AS FOL OF REINFORCING STEEL, ONE FOR PROJECTS REQUIRING O INCH SAMPLES OF EACH SIZ ARE TAKEN MUST THEN BE S AND LENGTH OF THE SAMPLE DIAMETERS. PAYMENT FOR T CONSIDERED INCIDENTAL TO	VIDE INDEPENDENT ASSURANCE SAMPLES OF LOWS: FOR PROJECTS REQUIRING UP TO 400 TONS 30 INCH SAMPLE OF EACH SIZE BAR USED, AND OVER 400 TONS OF REINFORCING STEEL, TWO 30 E BAR USED. THE BARS FROM WHICH THE SAMPLES SPLICED WITH REPLACEMENT BARS OF THE SIZE , PLUS A MINIMUM LAP SPLICE OF THIRTY BAR THE SAMPLES OF REINFORCING STEEL SHALL BE O VARIOUS PAY ITEMS.
THE ELEVATIONS AND CLEAR POINTS OF MINIMUM VERTI AVAILABLE. PRIOR TO BEGI ELEVATIONS ON THE EXISTI ANY VARIATIONS TO THE EN ACHIEVE THE REQUIRED MIN DEPARTMENT.	RANCES SHOWN ON THE PLANS AT THE CAL CLEARANCE ARE FROM THE BEST INFORMATIO NNING BRIDGE CONSTRUCTION, VERIFY THE ING PAVEMENT AND CHECK THE CLEARANCE. REPORT NGINEER. ANY PLAN REVISIONS NECESSARY TO NIMUM CLEARANCE WILL BE PROVIDED BY THE
THIS STRUCTURE HAS BEEN	DESIGNED IN ACCORDANCE WITH ``HEC 18-
EVALUATING SCOUR AT BRI	SURES, SEE EROSTON CONTROL PLANS,
FILE ELASTOMERIC FOAM FILE BEARINGS JOINT SEALS	
S. LUMP SUM LUMP SUM	
	PROJECT NO. <u>W-5516</u>
	ROWAN COUNTY
	STATION: 61+79.40 -L-
	SHEET 3 OF 3
	STATE OF NORTH CAROLINA
LUMP SUM LUMP SUM	DEPARTMENT OF TRANSPORTATION RALEIGH
I	
	GENERAL DRAWING
TH CARO	FOR BRIDGE ON SR 1221 OVER

ICA **Engineering** 5121 Kingdom Way, Suite 100 Raleigh, NC 27607 NC License No: F-0258



SHEET NO. REVISIONS S-3 NO. BY: DATE: BY: DATE: TOTAL SHEETS 41