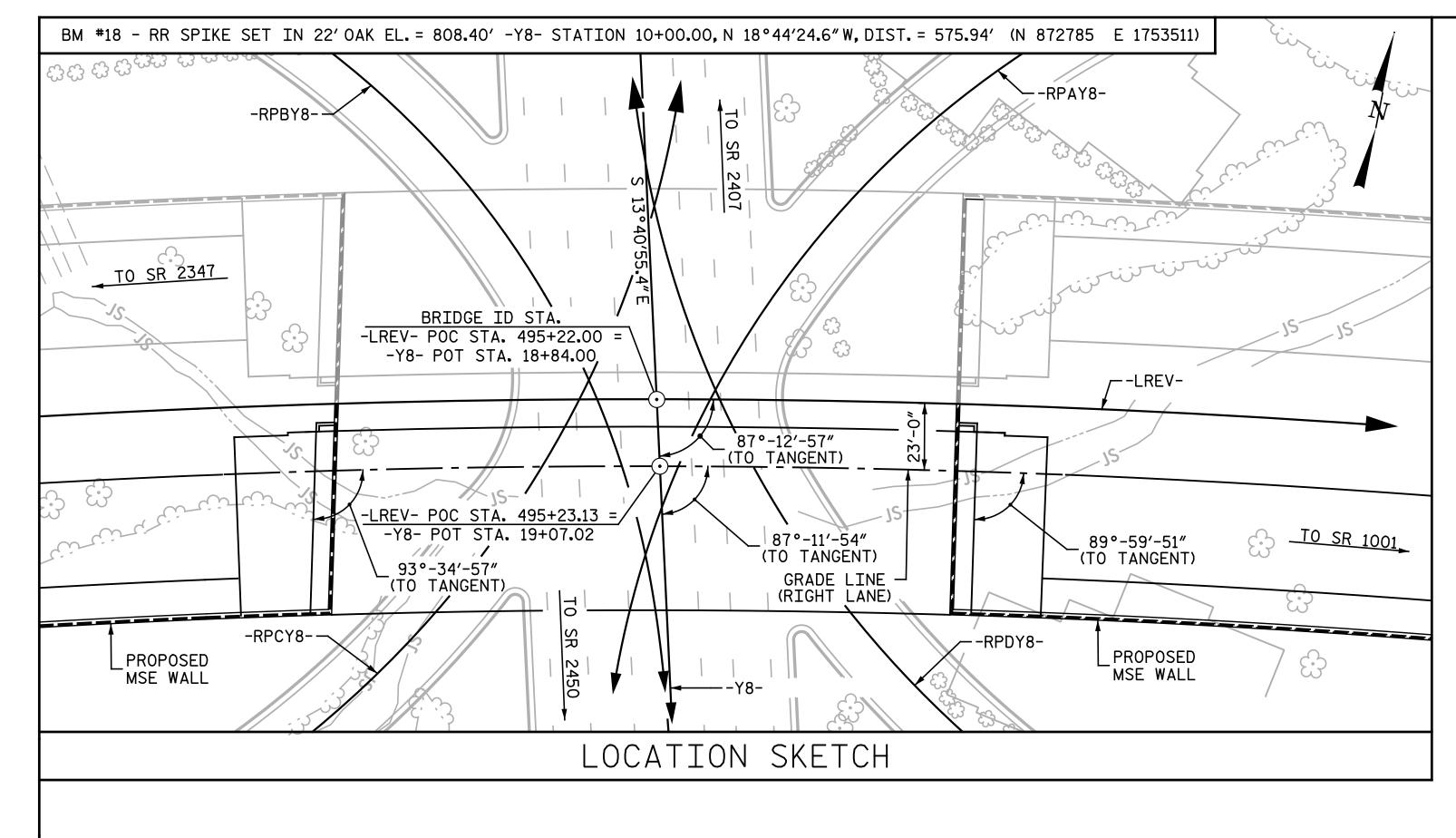


+





+

04.dgn														CONCRETE DEC	K SLAB.
MU_GD(TOTAL BILL OF MATERIAL														
4_005_U2524D_S	LOCATION	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	STRUCTURAL STEEL	HP 12 x 53 STEEL PILES RAIL		4″ SLOPE PROTECTION	DISC BEARINGS	EXPANSION JOINT SEALS	CONCRETE BARRIER RAIL WITH MOMENT SLAB	
al/40		EACH	SQ.FT.	SQ.FT.	CU. YDS.	LUMP SUM	LBS.	APPROX. LBS.	NO.	LIN. FT.	LIN.FT.	SQ. YDS.	LUMP SUM	LUMP SUM	LIN.FT.
Site_2\DwG\Right\Fina\\404_005_U2524D_SMU_GD04.dgn	SUPERSTRUCTURE		14,286	15,750		LUMP SUM		895,790			471.7		LUMP SUM	LUMP SUM	
	END BENT 1				71.6		14,481		20	1,100		15.5			297.0
	END BENT 2				71.6		14,477		20	750		15.5			164.8
1te_2	TOTAL	1	14,286	15,750	143.2	LUMP SUM	28,958	895,790	40	1,850	471.7	31.0	LUMP SUM	LUMP SUM	461.8

nbspeaks 7/18/2016 12:5 Fllename: Y:\Pr

DRAWN BY :	C.E.M./N.B.S.	DATE :8-7-15
CHECKED BY :	B. J. BELL	DATE : <u>3-23-16</u>

NOTES:

ALL STATIONS SHOWN ARE ALONG -LREV- UNLESS NOTED OTHERWISH

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASH LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

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.

FOR PLACING LOAD ON STRUCTURAL MEMBERS, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSE STRUCTURE, SEE SPECIAL PROVISIONS.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

SEE RETAINING WALL SHEETS FOR MSE WALL PLANS AND DETAILS.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLE OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP 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 US THE BARS FROM WHICH THE SAMPLES ARE TAKEN MUST THEN BE SPLICED WITH REPLACEMENT BARS OF THE SIZE AND LENGTH OF TH 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.

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

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

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-8 OF TH STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLA

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 106 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.



	GIRDER	ERECTIO	N SEC	UEN	CE:				
		BACKWALLS AN IN PLACE PRI							
ITO		TURAL STEEL RED POSITION		e supi	PORTE	D D	URING	ERECTION	IN
	BE ERECTED THE GIRDED RELEASE OF ERECTED W PREVIOUSL	IOR GIRDER A D WITH ALL D RS IN PLACE F THE GIRDER ITH ALL DIAP Y ERECTED GI RELEASE OF T	IAPHRAG AND ALL S.THE RE PHRAGMS CRDERS I	MS AN BOLT EMAIN CONNE NSTAL	ID LAT S TIG ING G CTING	ERA HTE IRD FI	AL BRAG NED PF ERS SH HE GIRI	CING BETW RIOR TO HALL THEN DER TO TH	IEEN BE IE
•	FROM END G1R THRU C FIRST GIR FOR GIRDE	HALL BE EREC BENT 1 TO TE GGR. THE NEXT DER SECTION RS G1R THRU ER SECTION 2	MPORARY SECTIO PREVIOL G6R.THE	BENT I OF (SLY E LAST	1 SHA GIRDE RECTE GIRD	ALL R S ID 1 ER	BE SE HALL B FO TEM SECTIC	T FOR GIF E SET FRO PORARY BE N SHALL E	RDERS OM THE ENT 2 BE SET
	A MINIMUN	I OF TWO TEM	IPORARY	BENTS	5 SHAL	L B	E USE).	
ED		BENTS SHALL AL BRACING A							
	LOCATIONS	BENTS SHALL WHEN CONNEC TIFFENERS,DI	CTOR PLA	TES A	ARE US	SED	AS TE	MPORARY	Ē
ES Y TO	APPROXIMA	ION OF THE T TE LOCATIONS R AS NECESSA	S AND SH						Ξ
. SED.		TEMPORARY E VAL SHALL BE	•						
HE S.	REGISTERE SHALL SUBI	BENTS SHALL D IN THE STA MIT SIGNED A ONS TO THE E	TE OF N	ORTH ED WC	CAROL ORKING	INA G DF	.THE CRAWING	CONTRACTO	
CE	FOR TEMPO	RARY BENTS, S	SEE SPEC	IAL F	ROVIS	5101	NS.		
FOR	RESPONSIB OTHER MEA THE GIRDEN TEMPORARY	E GIRDER ERE LE FOR PROVI NS OF SUPPOF RS,AVOID UPL ERECTION BE HE FINAL POS	DING TE RT, AS RE IFT OF ENTS ANE	MPORA QUIRE THE G	ARY LA ED, TO SIRDER	ATEF ENS S A	RAL BR. SURE S AT THE	ACING ANU TABILITY END BENT	OF S AND
THE ANS. Y	PROVIDING OTHER MEA TOOLS, AND	TE MEASUREME THE TEMPORA NS OF SUPPOR LABOR NECES CONSIDERED I L STEEL.	ARY BENT RT.THE C SSARY TO	S, TEN OST F PROV	MPORAL OR AL /IDE 1	RY .L M THE	LATERA MATERI TEMPO	L BRACIN ALS, EQUIF RARY SUPF	PMENT, PORTS
OF	TEMPORARY STRUCTURA	ACTOR'S EREC BENT REMOV L STEEL WEIG ILL REMAIN J	AL THAT SHT TO T	WILL HE DI	UNIF APHRA	ORM	LY APF S AND	LY THE	
		ACTOR MAY SL ERECTION MET							
			PROJE	ЕСТ	NO.		U-	-2524)
									UNTY
			STAT	ION	49	15-	+22.	<u>00 -L</u>	<u>REV-</u>
			SHEET 4	0F 5		18	+84,	.00 -`	<u> </u>
SINA CONTRACT	TH CAROLULA		DE	PARTI			NORTH CAR	NSPORTA ⁻	ΓΤΟΝ
	SEAL 042399					F	RALEIGH	AWIN	
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	SEAL 042399	ξ.						REENSB	-
								_OOP O' Betwe	
Bradley C41A3F8ECA 7/18/2	3C434			SR				SR 1001	
					REVIS		T LAI s		SHEET NO.
hael Ba	Ref 8000 Reg Cary,	el Baker Engineering ency Parkway, Suite 600 North Carolina 27518	NO. ВҮ: 1		ATE:	NO.	BY:	DATE:	S4-4 TOTAL SHEETS
RNATIO	DNAL NCL	icense No.: F-1084	2			8 4			SHEETS 35