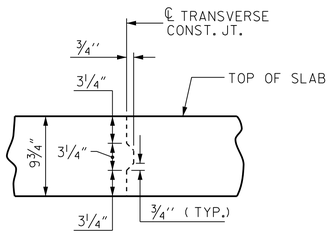
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"
#5	2'-6"	2'-2"	2'-6"	2'-2"	3'-5"
#6	3'-0"	2'-7"	3'-10"	2'-7"	4'-4"
#7	5'-3"	3'-6"			
#8	6'-10"	4'-7"			



TRANSVERSE CONSTRUCTION JOINT DETAIL

NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THROUGH JOINT

GROOVING BRIDGE FLOORS

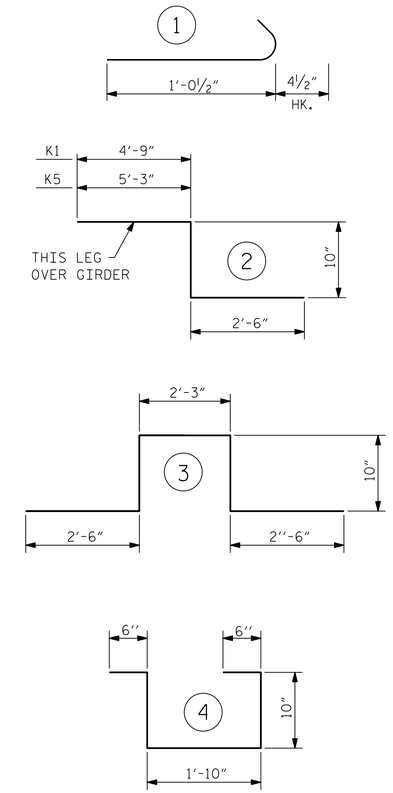
APPROACH SLABS	1,811 SQ.FT.
BRIDGE DECK	10,232 SQ.FT.
TOTAL	12,043 SQ.FT.

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	615	#5	STR	42'-11"	27529	A2	615	#5	STR	42'-11"	27529	* B1	120	#4	STR	23'-2"	1857
												* B2	30	#6	STR	60'-0"	2704
* A101	2	#5	STR	3'-7"	7	A201	2	#5	STR	4'-5"	9	* B3	30	#6	STR	37'-0"	1667
* A102	2	#5	STR	5'-6"	11	A202	2	#5	STR	6'-4"	13	* B4	56	#6	STR	42'-0"	3533
* A103	2	#5	STR	7'-5"	15	A203	2	#5	STR	8'-3"	17	* B5	120	#4	STR	26'-9"	2144
* A104	2	#5	STR	9'-4"	19	A204	2	#5	STR	10'-2"	21	B6	295	#5	STR	57'-5"	17666
* A105	2	#5	STR	11'-2"	23	A205	2	#5	STR	12'-0"	25						
* A106	2	#5	STR	13'-1"	27	A206	2	#5	STR	13'-11"	29	* G1	1	#5	STR	45'-2"	47
* A107	2	#5	STR	15'-0"	31	A207	2	#5	STR	15'-10"	33	* G2	1	#5	STR	49'-9"	52
* A108	2	#5	STR	16'-11"	35	A208	2	#5	STR	17'-9"	37						
* A109	2	#5	STR	18'-10"	39	A209	2	#5	STR	19'-8"	41	* J1	88	#4	1	1'-5"	83
* A110	2	#5	STR	20'-9"	43	A210	2	#5	STR	21'-7"	45						
* A111	2	#5	STR	22'-8"	47	A211	2	#5	STR	23'-6"	49	* K1	6	#5	2	8'-1"	51
* A112	2	#5	STR	24'-6"	51	A212	2	#5	STR	25'-4"	53	* K2	12	#5	3	8'-11"	112
* A113	2	#5	STR	26'-5"	55	A213	2	#5	STR	27'-3"	57	* K3	9	#5	STR	11'-11"	112
* A114	2	#5	STR	28'-4"	59	A214	2	#5	STR	29'-2"	61	* K4	9	#5	STR	13'-1"	123
* A115	2	#5	STR	30'-3"	63	A215	2	#5	STR	31'-1"	65	* K5	6	#5	2	8'-7"	54
* A116	2	#5	STR	32'-2"	67	A216	2	#5	STR	33'-0"	69						
* A117	2	#5	STR	34'-1"	71	A217	2	#5	STR	34'-11"	73	* S1	72	#4	4	4'-6"	338
* A118	2	#5	STR	35'-11"	75	A218	2	#5	STR	36'-9"	77						
* A119	2	#5	STR	37'-10"	79	A219	2	#5	STR	38'-8"	81						
* A120	2	#5	STR	39'-9"	83	A220	2	#5	STR	40'-7"	85						
* A121	2	#5	STR	41'-8"	87	A221	2	#5	STR	42'-6"	89						
* A122	2	#5	STR	41'-9"	87	A222	2	#5	STR	42'-7"	89						
* A123	2	#5	STR	40'-0"	83	A223	2	#5	STR	40'-10"	85						
* A124	2	#5	STR	38'-2"	80	A224	2	#5	STR	39'-0"	81						
* A125	2	#5	STR	36'-6"	76	A225	2	#5	STR	37'-4"	78						
* A126	2	#5	STR	34'-10"	73	A226	2	#5	STR	35'-8"	74						
* A127	2	#5	STR	33'-1"	69	A227	2	#5	STR	33'-11"	71						
* A128	2	#5	STR	31'-4"	65	A228	2	#5	STR	32'-2"	67						
* A129	2	#5	STR	29'-7"	62	A229	2	#5	STR	30'-5"	63						
* A130	2	#5	STR	27'-10"	58	A230	2	#5	STR	28'-8"	60						
* A131	2	#5	STR	26'-2"	55	A231	2	#5	STR	27'-0"	56						
* A132	2	#5	STR	24'-5"	51	A232	2	#5	STR	25'-3"	53						
* A133	2	#5	STR	22'-8"	47	A233	2	#5	STR	23'-6"	49						
* A134	2	#5	STR	20'-11"	44	A234	2	#5	STR	21'-9"	45						
* A135	2	#5	STR	19'-3"	40	A235	2	#5	STR	20'-1"	42						
* A136	2	#5	STR	17'-6"	37	A236	2	#5	STR	18'-4"	38						
* A137	2	#5	STR	15'-9"	33	A237	2	#5	STR	16'-7"	35						
* A138	2	#5	STR	14'-0"	29	A238	2	#5	STR	14'-10"	31						
* A139	2	#5	STR	12'-4"	26	A239	2	#5	STR	13'-2"	27						
* A140	2	#5	STR	10'-7"	22	A240	2	#5	STR	11'-5"	24						
* A141	2	#5	STR	8'-10"	18	A241	2	#5	STR	9'-8"	20						
* A142	2	#5	STR	7'-2"	15	A242	2	#5	STR	8'-0"	17						
* A143	2	#5	STR	5'-5"	11	A243	2	#5	STR	6'-3"	13						
* A144	2	#5	STR	3'-8"	8	A244	2	#5	STR	4'-6"	9						
* A145	2	#5	STR	2'-0"	4	A245	2	#5	STR	2'-10"	6						

REINFORCING STEEL	(LBS.)	47,357
* EPOXY COATED REINFORCING STEEL	(LBS.)	42,486

BAR TYPES

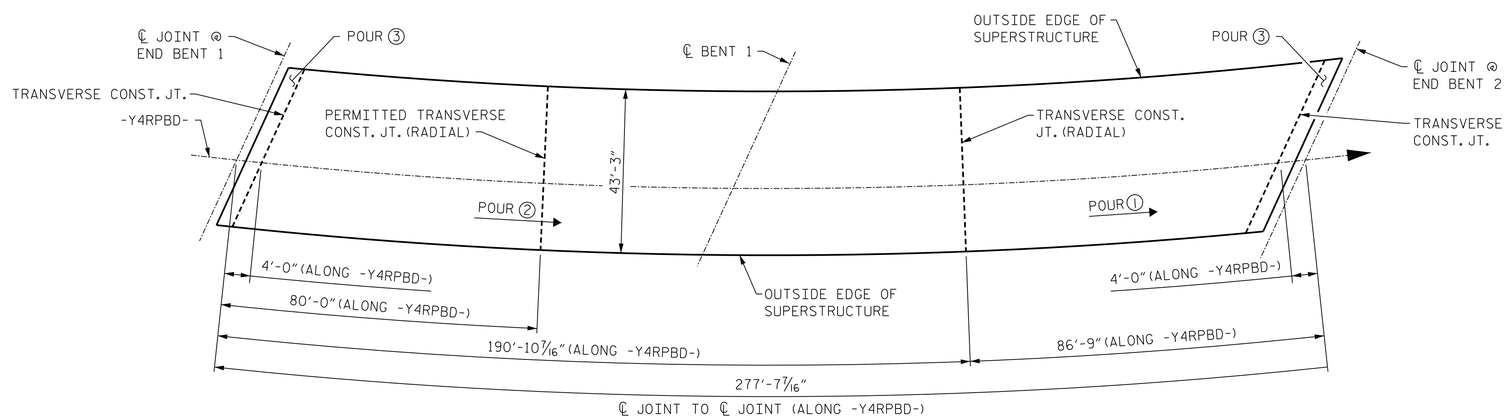


ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU.YDS.)	(LBS.)	(LBS.)
POUR 1	133.2		
POUR 2	289.9		
POUR 3	12.8		
TOTALS**	435.9	47,357	42,486

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB AND POURING SEQUENCE (SQ. FT. = 12,009)

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 44+08.64 -Y4RPBD-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

DESIGNED BY:	B. LOFLIN	DATE :	APR 2014
DRAWN BY:	K. WHITE	DATE :	APR 2014
CHECKED BY:	J. DOUGHTY	DATE :	APR 2014
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	MAY 2014

DRAWN BY : JMB 5/87
CHECKED BY : SJD 9/87

REV. 8/16/99 RWW/LES
REV. 5/1/06 TLA/GM
REV. 10/1/11 MAA/GM

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY

DocuSigned by: 6/2/2014
Jason R Doughty
00F1C86448274F7...

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-569
1			3					TOTAL SHEETS
2			4					707

STR. #15

STD. NO. BOM1

6/2/2014
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