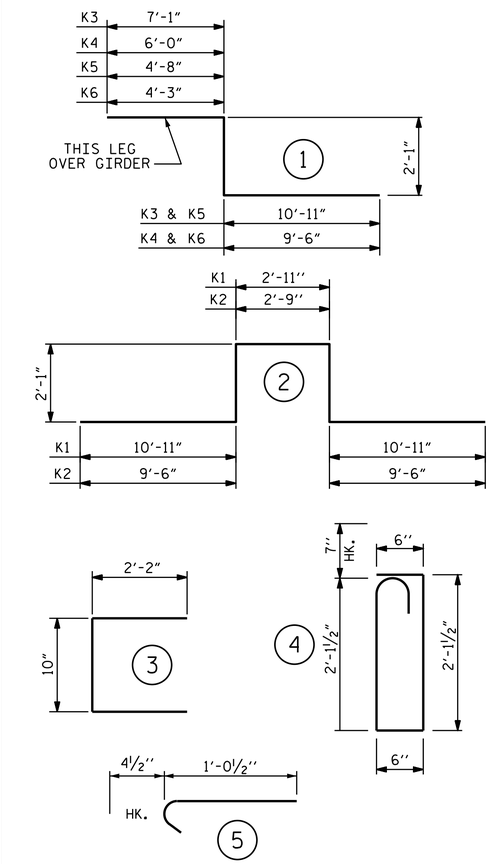
REINFORCING BAR SCHEDULE - SPAN A

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	124	#5	STR	40'-11"	5292	✱ A145	2	#5	STR	31'-0"	65	A212	2	#5	STR	26'-9"	56	A261	2	#5	STR	17'-0"	35
A2	124	#5	STR	40'-11"	5292	✱ A146	2	#5	STR	30'-1"	63	A213	2	#5	STR	25'-8"	54	A262	2	#5	STR	16'-1"	34
✱ A3	6	#6	STR	4'-0"	36	✱ A147	2	#5	STR	29'-3"	61	A214	2	#5	STR	24'-7"	51	A263	2	#5	STR	15'-3"	32
						✱ A148	2	#5	STR	28'-4"	59	A215	2	#5	STR	23'-6"	49	A264	2	#5	STR	14'-5"	30
✱ A100	2	#5	STR	39'-9"	83	✱ A149	2	#5	STR	27'-5"	57	A216	2	#5	STR	22'-4"	47	A265	2	#5	STR	13'-7"	28
✱ A101	2	#5	STR	38'-8"	81	✱ A150	2	#5	STR	26'-7"	55	A217	2	#5	STR	21'-3"	44	A266	2	#5	STR	12'-8"	26
✱ A102	2	#5	STR	37'-7"	78	✱ A151	2	#5	STR	25'-8"	54	A218	2	#5	STR	20'-2"	42	A267	2	#5	STR	11'-10"	25
✱ A103	2	#5	STR	36'-6	76	✱ A152	2	#5	STR	24'-10"	52	A219	2	#5	STR	19'-0"	40	A268	2	#5	STR	11'-0"	23
✱ A104	2	#5	STR	35'-5"	74	✱ A153	2	#5	STR	23'-11"	50	A220	2	#5	STR	17'-11"	37	A269	2	#5	STR	10'-2"	21
✱ A105	2	#5	STR	34'-5"	72	✱ A154	2	#5	STR	23'-0"	48	A221	2	#5	STR	16'-9"	35	A270	2	#5	STR	9'-4"	19
✱ A106	2	#5	STR	33'-4"	70	✱ A155	2	#5	STR	22'-2"	46	A222	2	#5	STR	15'-8"	33	A271	2	#5	STR	8'-6"	18
✱ A107	2	#5	STR	32'-3"	67	✱ A156	2	#5	STR	21'-4"	45	A223	2	#5	STR	14'-6"	30	A272	2	#5	STR	7'-8"	16
✱ A108	2	#5	STR	31'-2"	65	✱ A157	2	#5	STR	20'-5"	43	A224	2	#5	STR	13'-5"	28	A273	2	#5	STR	6'-10"	14
✱ A109	2	#5	STR	30'-1"	63	✱ A158	2	#5	STR	19'-7"	41	A225	2	#5	STR	12'-3"	26	A274	2	#5	STR	6'-0"	13
✱ A110	2	#5	STR	29'-0"	60	✱ A159	2	#5	STR	18'-8"	39	A226	2	#5	STR	11'-1"	23	A275	2	#5	STR	5'-2"	11
✱ A111	2	#5	STR	27'-10"	58	✱ A160	2	#5	STR	17'-10"	37	A227	2	#5	STR	10'-0"	21	A276	2	#5	STR	4'-4"	9
✱ A112	2	#5	STR	26'-9"	56	✱ A161	2	#5	STR	17'-0"	35	A228	2	#5	STR	8'-10"	18	A277	2	#5	STR	3'-6"	7
✱ A113	2	#5	STR	25'-8"	54	✱ A162	2	#5	STR	16'-1"	34	A229	2	#5	STR	7'-8"	16	A278	2	#5	STR	2'-8"	6
✱ A114	2	#5	STR	24'-7"	51	✱ A163	2	#5	STR	15'-3"	32	A230	2	#5	STR	6'-6"	14	A279	2	#5	STR	1'-10"	4
✱ A115	2	#5	STR	23'-6"	49	✱ A164	2	#5	STR	14'-5"	30	A231	2	#5	STR	5'-4"	11	A280	2	#5	STR	1'-0"	2
✱ A116	2	#5	STR	22'-4"	47	✱ A165	2	#5	STR	13'-7"	28	A232	2	#5	STR	4'-3"	9						
✱ A117	2	#5	STR	21'-3"	44	✱ A166	2	#5	STR	12'-8"	26	A233	2	#5	STR	3'-1"	6	✱ B1	112	#4	STR	27'-11"	2089
✱ A118	2	#5	STR	20'-2"	42	✱ A167	2	#5	STR	11'-10"	25	A234	2	#5	STR	1'-11"	4	B2	100	#5	STR	53'-11"	5624
✱ A119	2	#5	STR	19'-0"	40	✱ A168	2	#5	STR	11'-0"	23	A235	2	#5	STR	40'-1"	84						
✱ A120	2	#5	STR	17'-11"	37	✱ A169	2	#5	STR	10'-2"	21	A236	2	#5	STR	39'-2"	82	✱ G1	2	#5	STR	28'-4"	59
✱ A121	2	#5	STR	16'-9"	35	✱ A170	2	#5	STR	9'-4"	19	A237	2	#5	STR	38'-3'	80	✱ G2	2	#5	STR	32'-1"	67
✱ A122	2	#5	STR	15'-8"	33	✱ A171	2	#5	STR	8'-6"	18	A238	2	#5	STR	37'-4"	78						
✱ A123	2	#5	STR	14'-6"	30	✱ A172	2	#5	STR	7'-8"	16	A239	2	#5	STR	36'-5"	76	✱ J1	109	#4	5	1'-5"	103
✱ A124	2	#5	STR	13'-5"	28	✱ A173	2	#5	STR	6'-10"	14	A240	2	#5	STR	35'-6"	74						
✱ A125	2	#5	STR	12'-3"	26	✱ A174	2	#5	STR	6'-0"	13	A241	2	#5	STR	34'-7"	72	✱ K1	6	#8	2	28'-11"	463
✱ A126	2	#5	STR	11'-1"	23	✱ A175	2	#5	STR	5'-2"	11	A242	2	#5	STR	33'-9"	70	✱ K2	6	#8	2	25'-11"	415
✱ A127	2	#5	STR	10'-0"	21	✱ A176	2	#5	STR	4'-4"	9	A243	2	#5	STR	32'-10"	68	✱ K3	2	#8	1	20'-1"	107
✱ A128	2	#5	STR	8'-10"	18	✱ A177	2	#5	STR	3'-6"	7	A244	2	#5	STR	31'-11"	67	✱ K4	2	#8	1	17'-7"	94
✱ A129	2	#5	STR	7'-8"	16	✱ A178	2	#5	STR	2'-8"	6	A245	2	#5	STR	31'-0"	65	✱ K5	2	#8	1	17'-8"	94
✱ A130	2	#5	STR	6'-6"	14	✱ A179	2	#5	STR	1'-10"	4	A246	2	#5	STR	30'-1"	63	✱ K6	2	#8	1	15'-10"	85
✱ A131	2	#5	STR	5'-4"	11	✱ A180	2	#5	STR	1'-0"	2	A247	2	#5	STR	29'-3"	61	✱ K7	12	#6	STR	10'-3"	185
✱ A132	2	#5	STR	4'-3"	9							A248	2	#5	STR	28'-4"	59	✱ K8	12	#6	STR	8'-10"	159
✱ A133	2	#5	STR	3'-1"	6	A200	2	#5	STR	39'-9"	83	A249	2	#5	STR	27'-5"	57						
✱ A134	2	#5	STR	1'-11"	4	A201	2	#5	STR	38'-8"	81	A250	2	#5	STR	26'-7"	55	✱ S1	76	#4	3	5'-2"	262
✱ A135	2	#5	STR	40'-1"	84	A202	2	#5	STR	37'-7"	78	A251	2	#5	STR	25'-8"	54	✱ S2	76	#5	4	5'-10"	462
✱ A136	2	#5	STR	39'-2"	82	A203	2	#5	STR	36'-6	76	A252	2	#5	STR	24'-10"	52						
✱ A137	2	#5	STR	38'-3'	80	A204	2	#5	STR	35'-5"	74	A253	2	#5	STR	23'-11"	50						
✱ A138	2	#5	STR	37'-4"	78	A205	2	#5	STR	34'-5"	72	A254	2	#5	STR	23'-0"	48						
✱ A139	2	#5	STR	36'-5"	76	A206	2	#5	STR	33'-4"	70	A255	2	#5	STR	22'-2"	46						
✱ A140	2	#5	STR	35'-6"	74	A207	2	#5	STR	32'-3"	67	A256	2	#5	STR	21'-4"	45						
✱ A141	2	#5	STR	34'-7"	72	A208	2	#5	STR	31'-2"	65	A257	2	#5	STR	20'-5"	43						
✱ A142	2	#5	STR	33'-9"	70	A209	2	#5	STR	30'-1"	63	A258	2	#5	STR	19'-7"	41						
✱ A143	2	#5	STR	32'-10"	68	A210	2	#5	STR	29'-0"	60	A259	2	#5	STR	18'-8"	39						
✱ A144	2	#5	STR	31'-11"	67	A211	2	#5	STR	27'-10"	58	A260	2	#5	STR	17'-10"	37						

REINFORCING STEEL = 14396 LBS

✱ EPOXY COATED REINFORCING STEEL = 13452 LBS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	EPOXY COATED REINFORCING STEEL	REINFORCING STEEL
	(CU.YDS.)	(LBS.)	(LBS.)
SPAN "A"	146.8	13452	14396
TOTALS✱✱	146.8	13452	14396

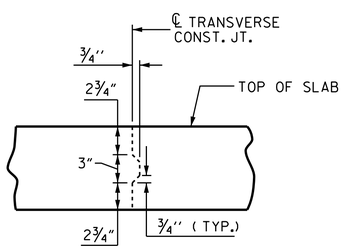
✱✱QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

APPROACH SLABS	1635 SQ.FT.
BRIDGE DECK	3568 SQ.FT.
TOTAL	5203 SQ.FT.

CLASS AA CONCRETE BREAKDOWN

POUR #1	123.8 CU. YDS.
POUR #2	23.0 CU. YDS.
TOTAL	146.8 CU. YDS.

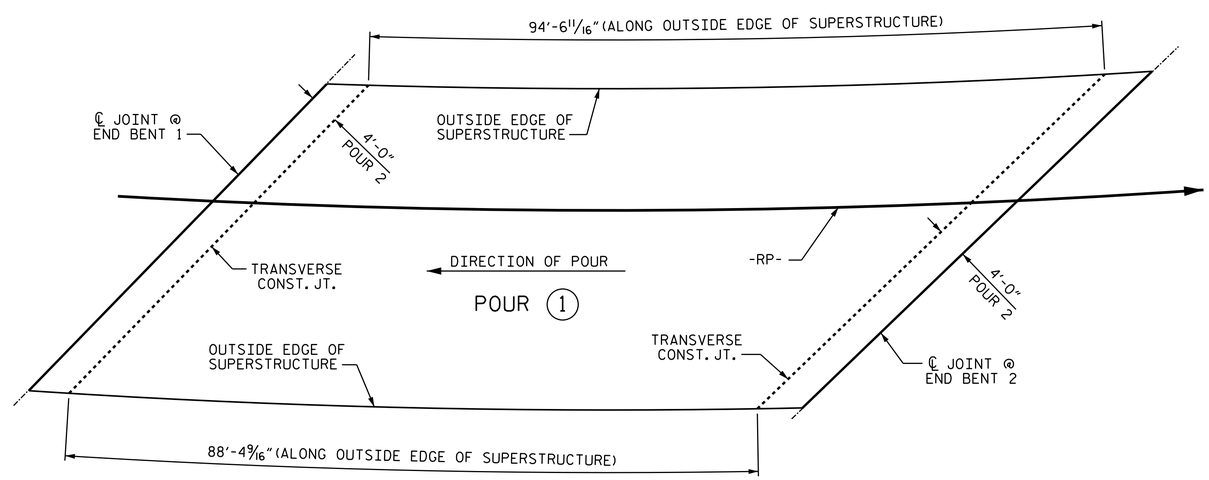


TRANSVERSE CONSTRUCTION JOINT DETAIL

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

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"			



POURING SEQUENCE AND LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 4232)

PROJECT NO. B-5119

GUILFORD COUNTY

STATION: 12+32.31 -RP-

NORTH CAROLINA PROFESSIONAL SEAL 29441 ENGINEER KRISTY W. ALFORD

DocuSigned by: F2458389308F40E...

11/25/2014

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE
BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-66
1			3			TOTAL SHEETS
2			4			77

ASSEMBLED BY : J.P. ADAMS DATE : 9/2014
CHECKED BY : D.R. SHACKELFORD DATE : 10/2014

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

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STD. NO. BOM1