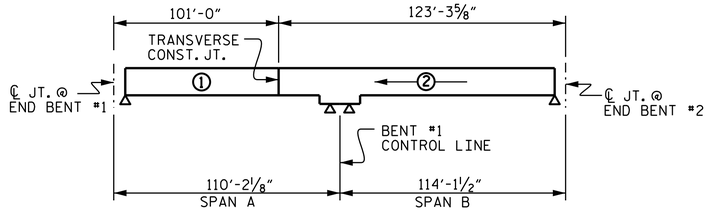
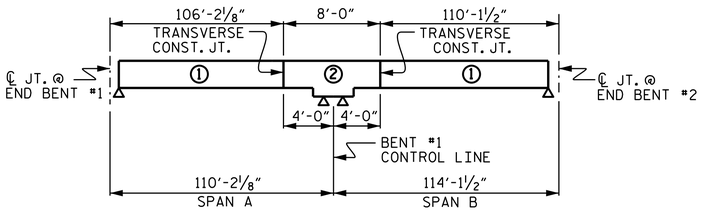


POURING SEQUENCE

(CONTINUOUS FOR LIVE LOAD)
(ALL DIMENSIONS ALONG ARC)



OPTIONAL POURING SEQUENCE

(CONTINUOUS FOR LIVE LOAD)
(ALL DIMENSIONS ALONG ARC)
(POUR ② CAN NOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3000 PSI)

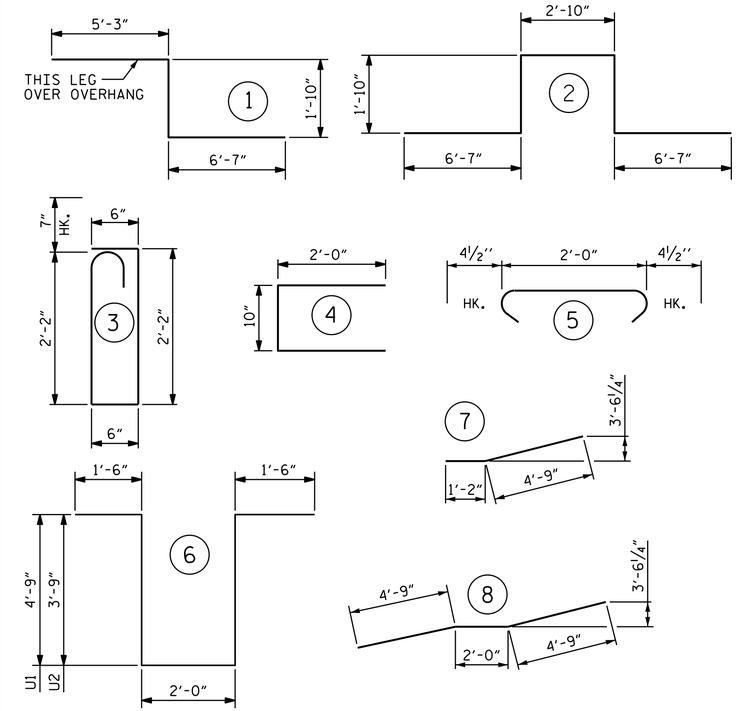
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

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"			

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱A1	361	5	STR	34'-3"	12,896	A208	2	5	STR	23'-10"	50
A2	361	5	STR	34'-3"	12,896	A209	2	5	STR	22'-6"	47
✱A3	6	6	STR	14'-6"	131	A210	2	5	STR	21'-2"	44
						A211	2	5	STR	19'-10"	41
✱A101	2	5	STR	33'-3"	69	A212	2	5	STR	18'-6"	39
✱A102	2	5	STR	31'-11"	67	A213	2	5	STR	17'-2"	36
✱A103	2	5	STR	30'-7"	64	A214	2	5	STR	15'-10"	33
✱A104	2	5	STR	29'-3"	61	A215	2	5	STR	14'-5"	30
✱A105	2	5	STR	27'-11"	58	A216	2	5	STR	13'-1"	27
✱A106	2	5	STR	26'-7"	55	A217	2	5	STR	11'-9"	25
✱A107	2	5	STR	25'-3"	53	A218	2	5	STR	10'-5"	22
✱A108	2	5	STR	23'-10"	50	A219	2	5	STR	9'-1"	19
✱A109	2	5	STR	22'-6"	47	A220	2	5	STR	7'-9"	16
✱A110	2	5	STR	21'-2"	44	A221	2	5	STR	6'-4"	13
✱A111	2	5	STR	19'-10"	41	A222	2	5	STR	5'-0"	10
✱A112	2	5	STR	18'-6"	39	A223	2	5	STR	3'-8"	8
✱A113	2	5	STR	17'-2"	36	A224	2	5	STR	2'-4"	5
✱A114	2	5	STR	15'-10"	33	A225	2	5	STR	33'-4"	70
✱A115	2	5	STR	14'-5"	30	A226	2	5	STR	32'-0"	67
✱A116	2	5	STR	13'-1"	27	A227	2	5	STR	30'-8"	64
✱A117	2	5	STR	11'-9"	25	A228	2	5	STR	29'-5"	61
✱A118	2	5	STR	10'-5"	22	A229	2	5	STR	28'-1"	59
✱A119	2	5	STR	9'-1"	19	A230	2	5	STR	26'-10"	56
✱A120	2	5	STR	7'-9"	16	A231	2	5	STR	25'-6"	53
✱A121	2	5	STR	6'-4"	13	A232	2	5	STR	24'-3"	51
✱A122	2	5	STR	5'-0"	10	A233	2	5	STR	22'-11"	48
✱A123	2	5	STR	3'-8"	8	A234	2	5	STR	21'-8"	45
✱A124	2	5	STR	2'-4"	5	A235	2	5	STR	20'-4"	42
✱A125	2	5	STR	33'-4"	70	A236	2	5	STR	19'-0"	40
✱A126	2	5	STR	32'-0"	67	A237	2	5	STR	17'-9"	37
✱A127	2	5	STR	30'-8"	64	A238	2	5	STR	16'-5"	34
✱A128	2	5	STR	29'-5"	61	A239	2	5	STR	15'-2"	32
✱A129	2	5	STR	28'-1"	59	A240	2	5	STR	13'-10"	29
✱A130	2	5	STR	26'-10"	56	A241	2	5	STR	12'-7"	26
✱A131	2	5	STR	25'-6"	53	A242	2	5	STR	11'-3"	23
✱A132	2	5	STR	24'-3"	51	A243	2	5	STR	10'-0"	21
✱A133	2	5	STR	22'-11"	48	A244	2	5	STR	8'-8"	18
✱A134	2	5	STR	21'-8"	45	A245	2	5	STR	7'-4"	15
✱A135	2	5	STR	20'-4"	42	A246	2	5	STR	6'-1"	13
✱A136	2	5	STR	19'-0"	40	A247	2	5	STR	4'-9"	10
✱A137	2	5	STR	17'-9"	37	A248	2	5	STR	3'-6"	7
✱A138	2	5	STR	16'-5"	34	A249	2	5	STR	2'-2"	5
✱A139	2	5	STR	15'-2"	32						
✱A140	2	5	STR	13'-10"	29	✱B1	78	4	STR	25'-10"	1,346
✱A141	2	5	STR	12'-7"	26	✱B2	26	6	STR	60'-0"	2,343
✱A142	2	5	STR	11'-3"	23	✱B3	26	6	STR	21'-4"	833
✱A143	2	5	STR	10'-0"	21	✱B4	25	6	STR	34'-3"	1,286
✱A144	2	5	STR	8'-8"	18	✱B5	78	4	STR	26'-10"	1,398
✱A145	2	5	STR	7'-4"	15	B6	136	5	STR	57'-8"	8,180
✱A146	2	5	STR	6'-1"	13						
✱A147	2	5	STR	4'-9"	10	✱G1	1	5	STR	43'-6"	45
✱A148	2	5	STR	3'-6"	7	✱G2	1	5	STR	45'-1"	47
✱A149	2	5	STR	2'-2"	5						
						✱K1	8	8	1	13'-8"	292
A201	2	5	STR	33'-3"	69	✱K2	12	8	2	19'-8"	630
A202	2	5	STR	31'-11"	67	✱K3	16	6	STR	6'-1"	146
A203	2	5	STR	30'-7"	64	K4	8	4	STR	4'-5"	24
A204	2	5	STR	29'-3"	61	K5	8	4	STR	6'-10"	37
A205	2	5	STR	27'-11"	58	K6	8	4	STR	6'-0"	32
A206	2	5	STR	26'-7"	55	K7	16	4	STR	7'-6"	80
A207	2	5	STR	25'-3"	53	K8	10	4	7	5'-11"	40
						K9	15	4	8	11'-6"	115
						✱S1	48	5	3	5'-11"	296
						✱S2	48	4	4	4'-10"	155
						S3	72	4	5	2'-9"	132
						✱U1	12	4	6	14'-6"	116
						✱U2	8	4	6	12'-6"	67
						REINFORCING STEEL LBS.					23,354
						✱EPOXY COATED REINFORCING STEEL LBS.					23,845

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

SUPERSTRUCTURE BILL OF MATERIAL

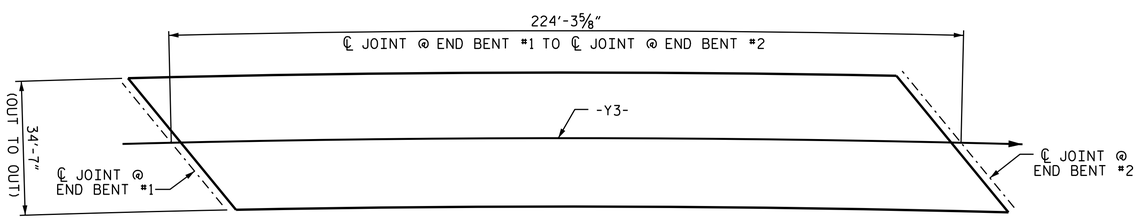
	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU.YDS.)	(LBS.)	(LBS.)
POUR #1	107.8	23,354	23,845
POUR #2	144.2		
TOTALS ✱✱	252.0	23,354	23,845

✱✱QUANTITIES FOR PARAPET AND END POSTS ARE NOT INCLUDED.

GROOVING BRIDGE FLOORS

APPROACH SLABS	798	SQ.FT.
BRIDGE DECK	6,467	SQ.FT.
TOTAL	7,265	SQ.FT.

PROJECT NO. R-2514B
ONSLOW & JONES COUNTY
STATION: 216+65.63 -L-



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 7757)

ASSEMBLED BY : B.N.BARODAWALA DATE : 6-25-13
CHECKED BY : DAVID GLADDEN DATE : 1-29-15

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

NORTH CAROLINA PROFESSIONAL SEAL 14045 ENGINEER TIMOTHY L. COGGINS
DocuSigned by: Tim Coggins
DEFD4AB048FA47B...
3/26/2015

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S6-024
1			3			TOTAL SHEETS
2			4			37

STR. #6 STD. NO. BOM2

26-MAR-2015 09:41
R:\Structures\Final Plans\DocuSign Setup\406_000_R-2514B_SMU_S6-0.dgn
nruffin