



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB & POURING SEQUENCE

STAGE I - SQ. FT. = 5,466
 STAGE II - SQ. FT. = 4,452
 STAGE III - SQ. FT. = 573
 TOTAL SQ. FT. = 10,491

POUR SEQUENCE BREAKDOWN

	CLASS AA CONCRETE (CU. YD.)		
	STAGE I	STAGE II	STAGE III
POUR 1	40.0	32.7	4.1
POUR 2	107.0	87.4	11.0
POUR 3	13.5	11.0	1.6
POUR 4	17.1	13.9	2.0
SIDEWALKS	19.8	19.8	
MEDIAN	6.6		
TOTAL	204.0	164.8	18.7

GROOVING BRIDGE FLOORS

BRIDGE DECK	STAGE I	3,673	SQ.FT.
	STAGE II	3,450	SQ.FT.
STAGE III	528	SQ.FT.	
TOTAL	10,918	SQ.FT.	

APPROACH SLABS	STAGE I	1,567	SQ.FT.
	STAGE II	1,700	SQ.FT.
TOTAL	10,918	SQ.FT.	

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE (CU. YD.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
	STAGE I	204.0	21,520
STAGE II	164.8	17,826	15,545
STAGE III	18.7	1,030	497
TOTAL	387.5	40,376	34,826

QUANTITIES FOR CLOSURE POUR ARE INCLUDED IN STAGE III.

SUPERSTRUCTURE BILL OF MATERIAL

STAGE I						STAGE II						STAGE III					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT		BAR NO.	SIZE	TYPE	LENGTH	WEIGHT		BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A1	181	#5	STR	48'-2"	9093	* A50	189	#5	STR	39'-2"	7721	* B1	4	#4	STR	28'-0"	75
* A2	6	#5	STR	44'-8"	280	* A51	6	#5	STR	35'-11"	225	* B2	13	#5	STR	16'-0"	217
* A3	6	#5	STR	41'-6"	260	* A52	6	#5	STR	32'-8"	204	* B3	12	#4	STR	25'-7"	205
* A4	6	#5	STR	38'-3"	239	* A53	6	#5	STR	29'-6"	185	B4	24	#5	STR	39'-0"	976
* A5	6	#5	STR	35'-1"	220	* A54	6	#5	STR	26'-3"	164	K5	4	#5	STR	5'-3"	22
* A6	6	#5	STR	31'-10"	199	* A55	6	#5	STR	23'-0"	144	S1	10	#4	3	4'-9"	32
* A7	6	#5	STR	28'-7"	179	* A56	6	#5	STR	19'-10"	124	REINFORCING STEEL = 1,030 LBS					
* A8	6	#5	STR	25'-5"	159	* A57	6	#5	STR	16'-7"	104	* EPOXY COATED REINF. STEEL = 497 LBS					
* A9	6	#5	STR	22'-2"	139	* A58	6	#5	STR	13'-5"	84	BAR TYPES					
* A10	6	#5	STR	19'-0"	119	* A59	6	#5	STR	10'-2"	64						
* A11	6	#5	STR	15'-9"	99	* A60	6	#5	STR	6'-11"	43	<p>THIS LEG OVER GDR.</p> <p>ALL BAR DIMENSIONS ARE OUT TO OUT</p>					
* A12	6	#5	STR	12'-6"	78	* A61	6	#5	STR	3'-9"	23						
* A13	6	#5	STR	9'-4"	58	A62	189	#5	STR	39'-2"	7721						
* A14	6	#5	STR	6'-1"	38	A63	6	#5	STR	35'-11"	225						
* A15	6	#5	STR	2'-11"	18	A64	6	#5	STR	32'-8"	204						
A16	181	#5	STR	48'-2"	9093	A65	6	#5	STR	29'-6"	185						
A17	6	#5	STR	44'-8"	280	A66	6	#5	STR	26'-3"	164						
A18	6	#5	STR	41'-6"	260	A67	6	#5	STR	23'-0"	144						
A19	6	#5	STR	38'-3"	239	A68	6	#5	STR	19'-10"	124						
A20	6	#5	STR	35'-1"	220	A69	6	#5	STR	16'-7"	104						
A21	6	#5	STR	31'-10"	199	A70	6	#5	STR	13'-5"	84						
A22	6	#5	STR	28'-7"	179	A71	6	#5	STR	10'-2"	64						
A23	6	#5	STR	25'-5"	159	A72	6	#5	STR	6'-11"	43						
A24	6	#5	STR	22'-2"	139	A73	6	#5	STR	3'-9"	23						
A25	6	#5	STR	19'-0"	119	* B1	27	#4	STR	28'-0"	505						
A26	6	#5	STR	15'-9"	99	* B2	105	#5	STR	16'-0"	1752						
A27	6	#5	STR	12'-6"	78	* B3	81	#4	STR	25'-7"	1384						
A28	6	#5	STR	9'-4"	58	B4	156	#5	STR	39'-0"	6346						
A29	6	#5	STR	6'-1"	38	* B5	24	#4	STR	30'-0"	481						
A30	6	#5	STR	2'-11"	18												
* B1	33	#4	STR	28'-0"	617	* D1	229	#5	STR	6'-6"	1553						
* B2	129	#5	STR	16'-0"	2153	D2	229	#5	STR	6'-6"	1553						
* B3	99	#4	STR	25'-7"	1692	E1	4	#7	1	3'-5"	28						
B4	192	#5	STR	39'-0"	7810	E2	4	#7	1	4'-0"	33						
* B5	36	#4	STR	30'-0"	721	E3	4	#7	1	4'-7"	37						
						E4	4	#7	1	5'-1"	42						
						E5	4	#7	1	3'-2"	26						
						F1	4	#6	STR	2'-5"	15						
						F2	8	#6	STR	3'-6"	42						
						F3	4	#6	STR	3'-9"	23						
						* G1	4	#5	STR	30'-1"	126						
						* G2	75	#4	STR	3'-3"	163						
						* G3	113	#4	STR	6'-9"	510						
						K1	6	#5	5	6'-11"	43						
						K2	6	#5	5	8'-11"	56						
						K3	20	#5	STR	8'-0"	167						
						K4	24	#5	4	8'-6"	213						
						S1	80	#4	3	4'-9"	254						
						* U1	32	#4	2	3'-4"	71						
						REINFORCING STEEL = 17,826 LBS											
						* EPOXY COATED REINF. STEEL = 15,545 LBS											

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ASSEMBLED BY : FRJ	DATE : 11/18
CHECKED BY : CDB	DATE : 11/18
DRAWN BY : JMB 5/87	REV. 10/1/11 MAA/GM
CHECKED BY : SJD 9/87	REV. 12/17 MAA/THC
	REV. 06/19 BNB/THC

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23
1			3			TOTAL SHEETS 39
2			4			

PROJECT NO. U-5738
 ROWAN COUNTY
 STATION: 70+72.50 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 SUPERSTRUCTURE
 BILL OF MATERIAL