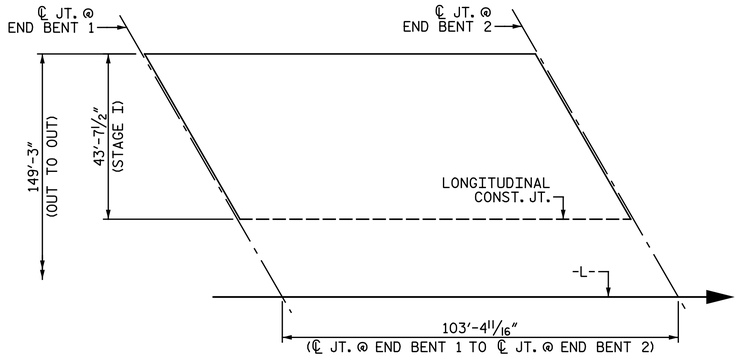
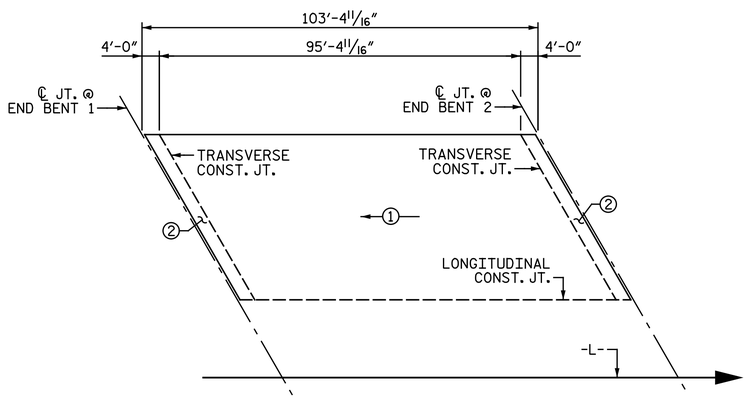
DocuSign Envelope ID: 6481012E-7C63-41A5-B639-5E0DDF0D2843



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB

(STAGE I SQ. FT. = 4,510)



POURING SEQUENCE

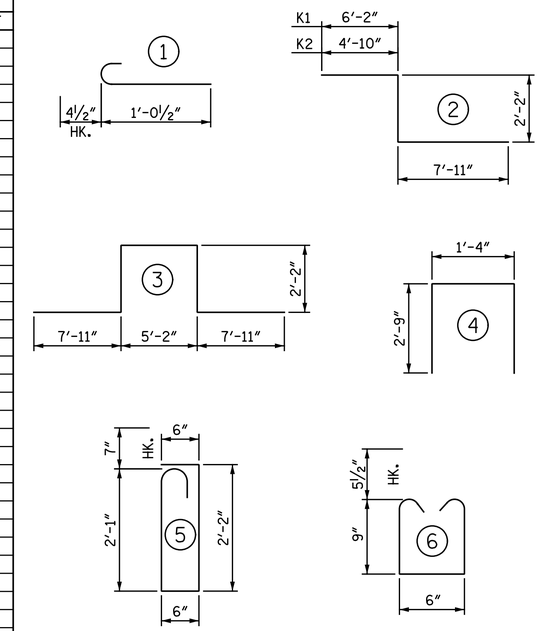
(#) → DENOTES POUR NUMBER AND DIRECTION

REINFORCING BAR SCHEDULE

SPAN A - STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	123	#5	STR.	43' - 3"	5,548	A211	2	#5	STR.	32' - 2"	67
A2	123	#5	STR.	43' - 3"	5,548	A212	2	#5	STR.	31' - 1"	65
✳ A3	20	#5	STR.	46' - 11"	979	A213	2	#5	STR.	30' - 0"	63
						A214	2	#5	STR.	28' - 11"	60
✳ A101	2	#5	STR.	43' - 0"	90	A215	2	#5	STR.	27' - 10"	58
✳ A102	2	#5	STR.	41' - 11"	87	A216	2	#5	STR.	26' - 9"	56
✳ A103	2	#5	STR.	40' - 10"	85	A217	2	#5	STR.	25' - 8"	54
✳ A104	2	#5	STR.	39' - 9"	83	A218	2	#5	STR.	24' - 8"	51
✳ A105	2	#5	STR.	38' - 8"	81	A219	2	#5	STR.	23' - 7"	49
✳ A106	2	#5	STR.	37' - 7"	78	A220	2	#5	STR.	22' - 6"	47
✳ A107	2	#5	STR.	36' - 6"	76	A221	2	#5	STR.	21' - 5"	45
✳ A108	2	#5	STR.	35' - 5"	74	A222	2	#5	STR.	20' - 4"	42
✳ A109	2	#5	STR.	34' - 4"	72	A223	2	#5	STR.	19' - 3"	40
✳ A110	2	#5	STR.	33' - 3"	69	A224	2	#5	STR.	18' - 2"	38
✳ A111	2	#5	STR.	32' - 2"	67	A225	2	#5	STR.	17' - 1"	36
✳ A112	2	#5	STR.	31' - 1"	65	A226	2	#5	STR.	16' - 0"	33
✳ A113	2	#5	STR.	30' - 0"	63	A227	2	#5	STR.	14' - 11"	31
✳ A114	2	#5	STR.	28' - 11"	60	A228	2	#5	STR.	13' - 10"	29
✳ A115	2	#5	STR.	27' - 10"	58	A229	2	#5	STR.	12' - 9"	27
✳ A116	2	#5	STR.	26' - 9"	56	A230	2	#5	STR.	11' - 8"	24
✳ A117	2	#5	STR.	25' - 8"	54	A231	2	#5	STR.	10' - 7"	22
✳ A118	2	#5	STR.	24' - 8"	51	A232	2	#5	STR.	9' - 6"	20
✳ A119	2	#5	STR.	23' - 7"	49	A233	2	#5	STR.	8' - 5"	18
✳ A120	2	#5	STR.	22' - 6"	47	A234	2	#5	STR.	7' - 4"	15
✳ A121	2	#5	STR.	21' - 5"	45	A235	2	#5	STR.	6' - 3"	13
✳ A122	2	#5	STR.	20' - 4"	42	A236	2	#5	STR.	5' - 2"	11
✳ A123	2	#5	STR.	19' - 3"	40	A237	2	#5	STR.	4' - 1"	9
✳ A124	2	#5	STR.	18' - 2"	38	A238	2	#5	STR.	3' - 0"	6
✳ A125	2	#5	STR.	17' - 1"	36						
✳ A126	2	#5	STR.	16' - 0"	33	✳ B1	90	#4	STR.	35' - 8"	2,144
✳ A127	2	#5	STR.	14' - 11"	31	B2	82	#5	STR.	52' - 6"	4,490
✳ A128	2	#5	STR.	13' - 10"	29						
✳ A129	2	#5	STR.	12' - 9"	27	✳ D1	159	#5	STR.	7' - 0"	1,161
✳ A130	2	#5	STR.	11' - 8"	24	D2	159	#5	STR.	6' - 6"	1,078
✳ A131	2	#5	STR.	10' - 7"	22	✳ D3	20	#5	STR.	8' - 6"	177
✳ A132	2	#5	STR.	9' - 6"	20						
✳ A133	2	#5	STR.	8' - 5"	18	✳ G1	2	#5	STR.	49' - 11"	104
✳ A134	2	#5	STR.	7' - 4"	15						
✳ A135	2	#5	STR.	6' - 3"	13	✳ J1	94	#4	1	1' - 5"	89
✳ A136	2	#5	STR.	5' - 2"	11						
✳ A137	2	#5	STR.	4' - 1"	9	✳ K1	4	#8	2	16' - 3"	174
✳ A138	2	#5	STR.	3' - 0"	6	✳ K2	4	#8	2	14' - 11"	159
						✳ K3	12	#8	3	25' - 4"	812
A201	2	#5	STR.	43' - 0"	90	✳ K4	24	#6	STR.	9' - 2"	330
A202	2	#5	STR.	41' - 11"	87	✳ K5	16	#4	STR.	9' - 10"	105
A203	2	#5	STR.	40' - 10"	85						
A204	2	#5	STR.	39' - 9"	83	✳ S1	48	#4	4	6' - 10"	219
A205	2	#5	STR.	38' - 8"	81	✳ S2	48	#5	5	5' - 10"	292
A206	2	#5	STR.	37' - 7"	78	✳ S3	32	#5	6	2' - 11"	97
A207	2	#5	STR.	36' - 6"	76						
A208	2	#5	STR.	35' - 5"	74	REINFORCING STEEL				LBS.	12,940
A209	2	#5	STR.	34' - 4"	72	✳ EPOXY COATED REINF. STEEL				LBS.	14,214
A210	2	#5	STR.	33' - 3"	69						

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.)
STAGE I	-	12,940	14,214
POUR 1	139.4	-	-
POUR 2	25.0	-	-
TOTALS ✳✳	164.4	12,940	14,214

✳✳ QUANTITIES FOR BARRIER RAILS & MEDIAN BARRIER ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

STAGE I		
APPROACH SLABS	1,914	SQ.FT.
BRIDGE DECK	4,130	SQ.FT.
TOTAL	6,044	SQ.FT.

PROJECT NO. I-5986B

JOHNSTON COUNTY

STATION: 1391+19.65 -L-

SHEET 1 OF 3

NORTH CAROLINA PROFESSIONAL SEAL 033139 ENGINEER TODD M. GARRISON

DocuSigned by: Todd M. Garrison
61EAF7523943466...
4/30/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL STAGE I

Michael Baker INTERNATIONAL

Michael Baker Engineering
8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
NC License No.: F-1084

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S3-27

TOTAL SHEETS 44

DRAWN BY : C. E. MAYHEW DATE : 12-10-19

CHECKED BY : T. M. GARRISON DATE : 12-15-19