BILL OF MATERIAL

STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	398	#5	STR	38'-4"	15913
A2	398	#5	STR	38'-2"	15844
✱ A101	4	#5	STR	37'-5"	156
✱ A102	4	#5	STR	36'-0"	150
✱ A103	4	#5	STR	34'-8"	145
✱ A104	4	#5	STR	33'-3"	139
✱ A105	4	#5	STR	31'-11"	133
✱ A106	2	#5	STR	58'-5"	122
✱ A107	2	#5	STR	55'-8"	116
✱ A108	2	#5	STR	52'-11"	110
✱ A109	2	#5	STR	50'-2"	105
✱ A110	2	#5	STR	47'-5"	99
✱ A111	2	#5	STR	44'-8"	93
✱ A112	2	#5	STR	41'-11"	87
✱ A113	2	#5	STR	39'-2"	82
✱ A114	2	#5	STR	36'-5"	76
✱ A115	2	#5	STR	33'-7"	70
✱ A116	2	#5	STR	30'-10"	64
✱ A117	2	#5	STR	28'-1"	59
✱ A118	2	#5	STR	25'-4"	53
✱ A119	2	#5	STR	22'-7"	47
✱ A120	2	#5	STR	19'-10"	41
✱ A121	2	#5	STR	17'-1"	36
✱ A122	2	#5	STR	14'-4"	30
✱ A123	2	#5	STR	11'-7"	24
✱ A124	2	#5	STR	8'-10"	18
✱ A125	2	#5	STR	6'-1"	13
✱ A126	2	#5	STR	3'-4"	7
A201	4	#5	STR	38'-1"	159
A202	4	#5	STR	36'-8"	153
A203	4	#5	STR	35'-4"	147
A204	4	#5	STR	33'-11"	142
A205	4	#5	STR	32'-7"	136
A206	4	#5	STR	31'-2"	130
A207	2	#5	STR	57'-4"	120
A208	2	#5	STR	54'-7"	114
A209	2	#5	STR	51'-10"	108
A210	2	#5	STR	49'-1"	102
A211	2	#5	STR	46'-4"	97
A212	2	#5	STR	43'-7"	91
A213	2	#5	STR	40'-10"	85
A214	2	#5	STR	38'-1"	79
A215	2	#5	STR	35'-4"	74
A216	2	#5	STR	32'-7"	68
A217	2	#5	STR	29'-10"	62
A218	2	#5	STR	27'-1"	56
A219	2	#5	STR	24'-4"	51
A220	2	#5	STR	21'-7"	45
A221	2	#5	STR	18'-10"	39
A222	2	#5	STR	16'-1"	34
A223	2	#5	STR	13'-4"	28
A224	2	#5	STR	10'-7"	22
A225	2	#5	STR	7'-10"	16
A226	2	#5	STR	5'-1"	11
A227	2	#5	STR	2'-4"	5
✱ B1	250	#4	STR	28'-1"	4690
B2	174	#5	STR	45'-7"	8273
✱ B10	6	#4	STR	5'-8"	23
✱ B11	2	#4	STR	5'-10"	8
✱ B12	2	#4	STR	6'-0"	8
✱ B13	2	#4	STR	6'-2"	8
✱ B14	2	#4	STR	6'-4"	8
✱ B15	2	#4	STR	6'-7"	9
✱ B16	2	#4	STR	6'-10"	9
✱ B17	2	#4	STR	7'-3"	10

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ B18	2	#4	STR	7'-7"	10
✱ B19	2	#4	STR	8'-1"	11
✱ B20	2	#4	STR	8'-8"	12
✱ B21	2	#4	STR	9'-4"	12
✱ B22	2	#4	STR	10'-2"	14
✱ B23	2	#4	STR	11'-6"	15
✱ B24	2	#4	STR	5'-0"	7
✱ B25	1	#4	STR	5'-3"	4
✱ B26	1	#4	STR	5'-7"	4
✱ B27	1	#4	STR	5'-11"	4
✱ B28	1	#4	STR	6'-5"	4
✱ B29	1	#4	STR	7'-1"	5
✱ B30	1	#4	STR	7'-10"	5
✱ B31	1	#4	STR	8'-10"	6
✱ B32	1	#4	STR	10'-1"	7
✱ B33	1	#4	STR	11'-11"	8
✱ G1	4	#5	STR	39'-2"	163
✱ J1	150	#4	4	1'-5"	142
✱ K1	4	#8	1	13'-1"	140
✱ K2	4	#8	2	21'-4"	228
✱ K3	24	#8	2	21'-9"	1394
✱ K4	4	#8	1	10'-8"	114
✱ K5	42	#6	STR	5'-2"	326
✱ K6	6	#6	STR	4'-9"	43
✱ K7	28	#5	STR	8'-3"	241
✱ K8	4	#5	STR	7'-10"	33
✱ S1	94	#5	5	5'-9"	564
✱ S2	32	#5	6	3'-8"	122
✱ S3	94	#4	3	3'-7"	225
✱ S10	32	#5	7	11'-2"	373
✱ S11	4	#5	7	8'-6"	35
✱ S12	4	#5	7	7'-0"	29
✱ S13	4	#5	7	6'-0"	25
✱ S14	4	#5	7	5'-3"	22
✱ S15	4	#5	7	4'-7"	19
✱ S16	4	#5	7	4'-2"	17
✱ S17	4	#5	7	3'-10"	16
✱ S18	4	#5	7	3'-6"	15
✱ S19	14	#5	7	8'-10"	129
✱ S20	4	#5	7	6'-7"	27
✱ S21	4	#5	7	5'-5"	23
✱ S22	4	#5	7	4'-7"	19
✱ S23	4	#5	7	4'-0"	17
✱ S24	4	#5	7	3'-8"	15

REINFORCING STEEL LBS. 26,291

✱ EPOXY COATED REINFORCING STEEL LBS. 29,569

STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A3	209	#5	STR	48'-4"	10536
A4	209	#5	STR	48'-4"	10536
✱ A301	2	#5	STR	45'-7"	95
✱ A302	2	#5	STR	42'-10"	89
✱ A303	2	#5	STR	40'-1"	84
✱ A304	2	#5	STR	37'-4"	78
✱ A305	2	#5	STR	34'-7"	72
✱ A306	2	#5	STR	31'-10"	66
✱ A307	2	#5	STR	29'-1"	61
✱ A308	2	#5	STR	26'-4"	55
✱ A309	2	#5	STR	23'-7"	49
✱ A310	2	#5	STR	20'-10"	43
✱ A311	2	#5	STR	18'-0"	38
✱ A312	2	#5	STR	15'-3"	32
✱ A313	2	#5	STR	12'-6"	26
✱ A314	2	#5	STR	9'-9"	20
✱ A315	2	#5	STR	7'-0"	15
✱ A316	2	#5	STR	4'-3"	9
✱ A317	2	#5	STR	1'-6"	3
A401	2	#5	STR	47'-3"	99
A402	2	#5	STR	44'-6"	93
A403	2	#5	STR	41'-9"	87
A404	2	#5	STR	39'-0"	81
A405	2	#5	STR	36'-3"	76
A406	2	#5	STR	33'-6"	70
A407	2	#5	STR	30'-9"	64
A408	2	#5	STR	28'-0"	58
A409	2	#5	STR	25'-3"	53
A410	2	#5	STR	22'-6"	47
A411	2	#5	STR	19'-9"	41
A412	2	#5	STR	17'-0"	35
A413	2	#5	STR	14'-3"	30
A414	2	#5	STR	11'-6"	24
A415	2	#5	STR	8'-9"	18
A416	2	#5	STR	6'-0"	13
A417	2	#5	STR	3'-3"	7
✱ B1	170	#4	STR	28'-1"	3189
B2	111	#5	STR	45'-7"	5277
✱ B10	6	#4	STR	5'-8"	23
✱ B11	2	#4	STR	5'-10"	8
✱ B12	2	#4	STR	6'-0"	8
✱ B13	2	#4	STR	6'-2"	8
✱ B14	2	#4	STR	6'-4"	8
✱ B15	2	#4	STR	6'-7"	9
✱ B16	2	#4	STR	6'-10"	9
✱ B17	2	#4	STR	7'-3"	10
✱ B18	2	#4	STR	7'-7"	10
✱ B19	2	#4	STR	8'-1"	11
✱ B20	2	#4	STR	8'-8"	12
✱ B21	2	#4	STR	9'-4"	12
✱ B22	2	#4	STR	10'-2"	14
✱ B23	2	#4	STR	11'-6"	15
✱ B24	2	#4	STR	5'-0"	7
✱ B25	1	#4	STR	5'-3"	4
✱ B26	1	#4	STR	5'-7"	4
✱ B27	1	#4	STR	5'-11"	4
✱ B28	1	#4	STR	6'-5"	4
✱ B29	1	#4	STR	7'-1"	5
✱ B30	1	#4	STR	7'-10"	5
✱ B31	1	#4	STR	8'-10"	6
✱ B32	1	#4	STR	10'-1"	7
✱ B33	1	#4	STR	11'-11"	8
✱ G2	2	#5	STR	49'-5"	103

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ J1	98	#4	4	1'-5"	93
✱ K9	4	#8	1	14'-6"	155
✱ K10	4	#8	1	17'-9"	190
✱ K11	12	#8	2	23'-9"	761
✱ K12	16	#5	STR	9'-2"	153
✱ K13	24	#6	STR	6'-1"	219
✱ S1	56	#5	5	5'-9"	336
✱ S2	16	#5	6	3'-8"	61
✱ S3	56	#4	3	3'-7"	134
✱ S10	32	#5	7	11'-2"	373
✱ S11	4	#5	7	8'-6"	35
✱ S12	4	#5	7	7'-0"	29
✱ S13	4	#5	7	6'-0"	25
✱ S14	4	#5	7	5'-3"	22
✱ S15	4	#5	7	4'-7"	19
✱ S16	4	#5	7	4'-2"	17
✱ S17	4	#5	7	3'-10"	16
✱ S18	4	#5	7	3'-6"	15
✱ S19	14	#5	7	8'-10"	129
✱ S20	4	#5	7	6'-7"	27
✱ S21	4	#5	7	5'-5"	23
✱ S22	4	#5	7	4'-7"	19
✱ S23	4	#5	7	4'-0"	17
✱ S24	4	#5	7	3'-8"	15

REINFORCING STEEL LBS. 16,709

✱ EPOXY COATED REINFORCING STEEL LBS. 17,757

STAGE III

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ B7	35	#4	STR	28'-0"	655
✱ G3	89	#4	STR	9'-2"	545

✱ EPOXY COATED REINFORCING STEEL LBS. 1,200

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND SIDEWALK		APPROACH SLABS		PARAPET AND SIDEWALK
	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"			

GROOVING BRIDGE FLOOR

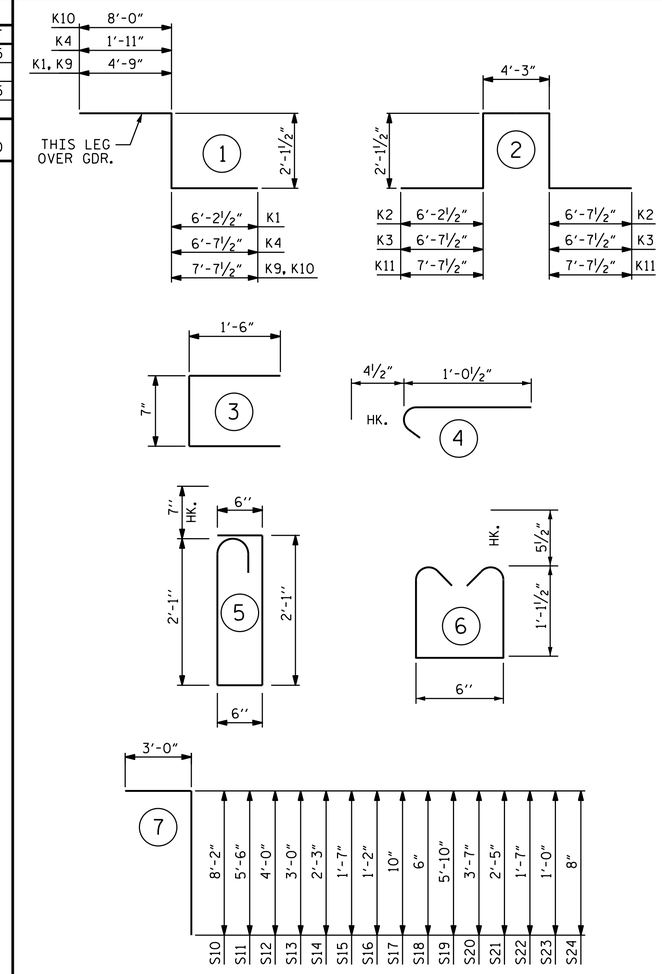
APPROACH SLABS	5,747 SQ. FT.
BRIDGE DECK	15,450 SQ. FT.
TOTAL	21,197 SQ. FT.

SUPERSTRUCTURE BILL OF MATERIAL

	SAND LIGHTWEIGHT CONCRETE	CLASS AA CONCRETE	REINFORCING STEEL	✱ EPOXY COATED REINFORCING STEEL
	(CU. YDS.)		(LBS.)	(LBS.)
STAGE I	317.9	-	26,291	29,569
STAGE II	208.3	-	16,709	17,757
STAGE III	-	21.5	-	1,200
TOTAL ✱✱	526.2	21.5	43,000	48,526

✱✱ QUANTITIES FOR PARAPETS ARE NOT INCLUDED

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

PROJECT NO. B-5121/B-5317

WAKE COUNTY

STATION: 22+06.91 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
BILL OF MATERIAL

NORTH CAROLINA PROFESSIONAL SEAL 29441 ENGINEER KRISTY W. ALFORD

DocuSigned by: F24583893008F40E... 4/13/2016

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

SHEET NO. S-26

TOTAL SHEETS 110

STR. #1

DRAWN BY : T.L. AVERETTE DATE : 2-16
CHECKED BY : J.P. ADAMS DATE : 2-16
DESIGN ENGINEER OF RECORD: T.L. AVERETTE DATE : 2-16

13-APR-2016 12:34
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jpadams