



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL																								
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	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	783	#5	STR	42'-11"	35049	* A144	1	#5	STR	22'-10"	24	A230	1	#5	STR	41'-9"	44	K2	84	#4	STR	11'-6"	645	
A2	783	#5	STR	42'-11"	35049	* A145	1	#5	STR	21'-6"	22	A231	1	#5	STR	40'-5"	42	K3	6	#4	STR	9'-2"	37	
						* A146	1	#5	STR	20'-1"	21	A232	1	#5	STR	39'-1"	41	K4	18	#4	STR	8'-4"	100	
* A101	1	#5	STR	41'-9"	44	* A147	1	#5	STR	18'-9"	20	A233	1	#5	STR	37'-9"	39	K5	24	#4	1	14'-9"	236	
* A102	1	#5	STR	40'-5"	42	* A148	1	#5	STR	17'-5"	18	A234	1	#5	STR	36'-4"	38	K6	24	#4	2	7'-8"	123	
* A103	1	#5	STR	39'-0"	41	* A149	1	#5	STR	16'-1"	17	A235	1	#5	STR	35'-0"	37	K7	20	#4	STR	3'-0"	40	
* A104	1	#5	STR	37'-7"	39	* A150	1	#5	STR	14'-8"	15	A236	1	#5	STR	33'-8"	35	K8	4	#4	STR	2'-2"	6	
* A105	1	#5	STR	36'-3"	38	* A151	1	#5	STR	13'-4"	14	A237	1	#5	STR	32'-4"	34							
* A106	1	#5	STR	34'-10"	36	* A152	1	#5	STR	12'-0"	13	A238	1	#5	STR	30'-11"	32	S1	330	#4	3	2'-9"	606	
* A107	1	#5	STR	33'-6"	35	* A153	1	#5	STR	10'-7"	11	A239	1	#5	STR	29'-7"	31	* S3	64	#4	5	11'-11"	509	
* A108	1	#5	STR	32'-1"	33	* A154	1	#5	STR	9'-3"	10	A240	1	#5	STR	28'-3"	29	* S4	64	#4	5	12'-2"	520	
* A109	1	#5	STR	30'-8"	32	* A155	1	#5	STR	7'-11"	8	A241	1	#5	STR	26'-11"	28							
* A110	1	#5	STR	29'-4"	31	* A156	1	#5	STR	6'-7"	7	A242	1	#5	STR	25'-6"	27	U1	64	#4	4	15'-11"	680	
* A111	1	#5	STR	27'-11"	29	* A157	1	#5	STR	5'-2"	5	A243	1	#5	STR	24'-2"	25	U2	54	#4	6	18'-6"	667	
* A112	1	#5	STR	26'-7"	28	* A158	1	#5	STR	3'-10"	4	A244	1	#5	STR	22'-10"	24	U3	12	#4	4	11'-0"	88	
* A113	1	#5	STR	25'-2"	26	* A159	1	#5	STR	2'-6"	3	A245	1	#5	STR	21'-6"	22							
* A114	1	#5	STR	23'-10"	25						A246	1	#5	STR	20'-1"	21								
* A115	1	#5	STR	22'-5"	23	A201	1	#5	STR	41'-9"	44	A247	1	#5	STR	18'-9"	20							
* A116	1	#5	STR	21'-0"	22	A202	1	#5	STR	40'-5"	42	A248	1	#5	STR	17'-5"	18							
* A117	1	#5	STR	19'-8"	21	A203	1	#5	STR	39'-0"	41	A249	1	#5	STR	16'-1"	17							
* A118	1	#5	STR	18'-3"	19	A204	1	#5	STR	37'-7"	39	A250	1	#5	STR	14'-8"	15							
* A119	1	#5	STR	16'-11"	18	A205	1	#5	STR	36'-3"	38	A251	1	#5	STR	13'-4"	14							
* A120	1	#5	STR	15'-6"	16	A206	1	#5	STR	34'-10"	36	A252	1	#5	STR	12'-0"	13							
* A121	1	#5	STR	14'-1"	15	A207	1	#5	STR	33'-6"	35	A253	1	#5	STR	10'-7"	11							
* A122	1	#5	STR	12'-9"	13	A208	1	#5	STR	32'-1"	33	A254	1	#5	STR	9'-3"	10							
* A123	1	#5	STR	11'-4"	12	A209	1	#5	STR	30'-8"	32	A255	1	#5	STR	7'-11"	8							
* A124	1	#5	STR	10'-0"	10	A210	1	#5	STR	29'-4"	31	A256	1	#5	STR	6'-7"	7							
* A125	1	#5	STR	8'-7"	9	A211	1	#5	STR	27'-11"	29	A257	1	#5	STR	5'-2"	5							
* A126	1	#5	STR	7'-3"	8	A212	1	#5	STR	26'-7"	28	A258	1	#5	STR	3'-10"	4							
* A127	1	#5	STR	5'-10"	6	A213	1	#5	STR	25'-2"	26	A259	1	#5	STR	2'-6"	3							
* A128	1	#5	STR	4'-5"	5	A214	1	#5	STR	23'-10"	25													
* A129	1	#5	STR	3'-1"	3	A215	1	#5	STR	22'-5"	23	* B1	104	#7	STR	27'-10"	5917							
* A130	1	#5	STR	41'-9"	44	A216	1	#5	STR	21'-0"	22	B2	336	#5	STR	53'-2"	18632							
* A131	1	#5	STR	40'-5"	42	A217	1	#5	STR	19'-8"	21	* B3	156	#4	STR	21'-10"	2275							
* A132	1	#5	STR	39'-1"	41	A218	1	#5	STR	18'-3"	19	* B4	104	#7	STR	60'-0"	12755							
* A133	1	#5	STR	37'-9"	39	A219	1	#5	STR	16'-11"	18	* B5	51	#7	STR	40'-6"	4222							
* A134	1	#5	STR	36'-4"	38	A220	1	#5	STR	15'-6"	16	* B6	52	#7	STR	36'-3"	3853							
* A135	1	#5	STR	35'-0"	37	A221	1	#5	STR	14'-1"	15	* B7	33	#5	STR	40'-6"	1394							
* A136	1	#5	STR	33'-8"	35	A222	1	#5	STR	12'-9"	13	* B8	33	#5	STR	42'-0"	1446							
* A137	1	#5	STR	32'-4"	34	A223	1	#5	STR	11'-4"	12	* B9	104	#4	STR	26'-1"	1812							
* A138	1	#5	STR	30'-11"	32	A224	1	#5	STR	10'-0"	10	* B10	52	#7	STR	60'-0"	6377							
* A139	1	#5	STR	29'-7"	31	A225	1	#5	STR	8'-7"	9	* B11	51	#7	STR	42'-0"	4378							
* A140	1	#5	STR	28'-3"	29	A226	1	#5	STR	7'-3"	8	* B12	52	#7	STR	39'-3"	4172							
* A141	1	#5	STR	26'-11"	28	A227	1	#5	STR	5'-10"	6	* B13	156	#4	STR	24'-2"	2518							
* A142	1	#5	STR	25'-6"	27	A228	1	#5	STR	4'-5"	5													
* A143	1	#5	STR	24'-2"	25	A229	1	#5	STR	3'-1"	3	K1	24	#4	STR	24'-5"	391							

REINFORCING STEEL 60,067 LBS.
 *EPOXY COATED REINFORCING STEEL 87,176 LBS.

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"			

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,734 SQ.FT.
BRIDGE DECK	15,093 SQ.FT.
TOTAL	16,827 SQ.FT.

—SUPERSTRUCTURE BILL OF MATERIAL—

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR 1	183.3		
POUR 2	241.4		
POUR 3	241.7		
POUR 4	119.7		
TOTALS**	786.1	60,067 LBS.	87,176 LBS.

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. R-2707C
 CLEVELAND COUNTY
 STATION: 384+50.00 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 BILL OF MATERIAL
 RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S2-21
2			4			TOTAL SHEETS 36

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DRAWN BY : PDS DATE : 12/2016
 CHECKED BY : TLC DATE : 01/2017
 DESIGN ENGINEER OF RECORD: MAL DATE : 11/2016

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