BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	644	#5	STR	40'-11"	27483
A2	644	#5	STR	40'-11"	27483
✳ A3	6	#6	STR	17'-5"	157
✳ A101	1	#5	STR	40'-5"	42
✳ A102	1	#5	STR	39'-9"	41
✳ A103	1	#5	STR	39'-1"	41
✳ A104	1	#5	STR	38'-4"	40
✳ A105	1	#5	STR	37'-8"	39
✳ A106	1	#5	STR	37'-0"	39
✳ A107	1	#5	STR	36'-3"	38
✳ A108	1	#5	STR	35'-7"	37
✳ A109	1	#5	STR	34'-11"	36
✳ A110	1	#5	STR	34'-3"	36
✳ A111	1	#5	STR	33'-6"	35
✳ A112	1	#5	STR	32'-10"	34
✳ A113	1	#5	STR	32'-2"	34
✳ A114	1	#5	STR	31'-5"	33
✳ A115	1	#5	STR	30'-9"	32
✳ A116	1	#5	STR	30'-0"	31
✳ A117	1	#5	STR	29'-4"	31
✳ A118	1	#5	STR	28'-8"	30
✳ A119	1	#5	STR	27'-11"	29
✳ A120	1	#5	STR	27'-3"	28
✳ A121	1	#5	STR	26'-7"	28
✳ A122	1	#5	STR	25'-10"	27
✳ A123	1	#5	STR	25'-2"	26
✳ A124	1	#5	STR	24'-5"	25
✳ A125	1	#5	STR	23'-9"	25
✳ A126	1	#5	STR	23'-0"	24
✳ A127	1	#5	STR	22'-4"	23
✳ A128	1	#5	STR	21'-7"	23
✳ A129	1	#5	STR	20'-11"	22
✳ A130	1	#5	STR	20'-3"	21
✳ A131	1	#5	STR	19'-6"	20
✳ A132	1	#5	STR	18'-10"	20
✳ A133	1	#5	STR	18'-1"	19
✳ A134	1	#5	STR	17'-5"	18
✳ A135	1	#5	STR	16'-8"	17
✳ A136	1	#5	STR	16'-0"	17
✳ A137	1	#5	STR	15'-3"	16
✳ A138	1	#5	STR	14'-6"	15
✳ A139	1	#5	STR	13'-10"	14
✳ A140	1	#5	STR	13'-1"	14
✳ A141	1	#5	STR	12'-5"	13
✳ A142	1	#5	STR	11'-8"	12
✳ A143	1	#5	STR	11'-0"	11
✳ A144	1	#5	STR	10'-3"	11
✳ A145	1	#5	STR	9'-6"	10
✳ A146	1	#5	STR	8'-10"	9
✳ A147	1	#5	STR	8'-1"	8
✳ A148	1	#5	STR	7'-5"	8
✳ A149	1	#5	STR	6'-8"	7
✳ A150	1	#5	STR	5'-11"	6
✳ A151	1	#5	STR	5'-3"	5
✳ A152	1	#5	STR	4'-6"	5
✳ A153	1	#5	STR	3'-9"	4
✳ A154	1	#5	STR	3'-1"	3
✳ A155	1	#5	STR	2'-4"	2
✳ A156	1	#5	STR	1'-7"	2
A201	1	#5	STR	41'-0"	43
A202	1	#5	STR	40'-4"	42
A203	1	#5	STR	39'-8"	41
A204	1	#5	STR	38'-11"	41
A205	1	#5	STR	38'-3"	40
A206	1	#5	STR	37'-7"	39
A207	1	#5	STR	36'-10"	38
A208	1	#5	STR	36'-2"	38
A209	1	#5	STR	35'-6"	37
A210	1	#5	STR	34'-9"	36
A211	1	#5	STR	34'-1"	36
A212	1	#5	STR	33'-5"	35
A213	1	#5	STR	32'-9"	34
A214	1	#5	STR	32'-0"	33
A215	1	#5	STR	31'-4"	33
A216	1	#5	STR	30'-7"	32

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A217	1	#5	STR	29'-11"	31
A218	1	#5	STR	29'-3"	31
A219	1	#5	STR	28'-6"	30
A220	1	#5	STR	27'-10"	29
A221	1	#5	STR	27'-2"	28
A222	1	#5	STR	26'-5"	28
A223	1	#5	STR	25'-9"	27
A224	1	#5	STR	25'-0"	26
A225	1	#5	STR	24'-4"	25
A226	1	#5	STR	23'-7"	25
A227	1	#5	STR	22'-11"	24
A228	1	#5	STR	22'-3"	23
A229	1	#5	STR	21'-6"	22
A230	1	#5	STR	20'-10"	22
A231	1	#5	STR	20'-1"	21
A232	1	#5	STR	19'-5"	20
A233	1	#5	STR	18'-8"	19
A234	1	#5	STR	18'-0"	19
A235	1	#5	STR	17'-3"	18
A236	1	#5	STR	16'-7"	17
A237	1	#5	STR	15'-10"	17
A238	1	#5	STR	15'-2"	16
A239	1	#5	STR	14'-5"	15
A240	1	#5	STR	13'-8"	14
A241	1	#5	STR	13'-0"	14
A242	1	#5	STR	12'-3"	13
A243	1	#5	STR	11'-7"	12
A244	1	#5	STR	10'-10"	11
A245	1	#5	STR	10'-2"	11
A246	1	#5	STR	9'-5"	10
A247	1	#5	STR	8'-8"	9
A248	1	#5	STR	8'-0"	8
A249	1	#5	STR	7'-3"	8
A250	1	#5	STR	6'-6"	7
A251	1	#5	STR	5'-10"	6
A252	1	#5	STR	5'-1"	5
A253	1	#5	STR	4'-4"	5
A254	1	#5	STR	3'-8"	4
A255	1	#5	STR	2'-11"	3
A256	1	#5	STR	2'-2"	2
✳ A301	1	#5	STR	40'-6"	42
✳ A302	1	#5	STR	39'-11"	42
✳ A303	1	#5	STR	39'-4"	41
✳ A304	1	#5	STR	38'-9"	40
✳ A305	1	#5	STR	38'-2"	40
✳ A306	1	#5	STR	37'-7"	39
✳ A307	1	#5	STR	37'-1"	39
✳ A308	1	#5	STR	36'-6"	38
✳ A309	1	#5	STR	35'-11"	37
✳ A310	1	#5	STR	35'-4"	37
✳ A311	1	#5	STR	34'-9"	36
✳ A312	1	#5	STR	34'-2"	36
✳ A313	1	#5	STR	33'-8"	35
✳ A314	1	#5	STR	33'-1"	35
✳ A315	1	#5	STR	32'-6"	34
✳ A316	1	#5	STR	31'-11"	33
✳ A317	1	#5	STR	31'-4"	33
✳ A318	1	#5	STR	30'-10"	32
✳ A319	1	#5	STR	30'-3"	32
✳ A320	1	#5	STR	29'-8"	31
✳ A321	1	#5	STR	29'-1"	30
✳ A322	1	#5	STR	28'-7"	30
✳ A323	1	#5	STR	28'-0"	29
✳ A324	1	#5	STR	27'-5"	29
✳ A325	1	#5	STR	26'-10"	28
✳ A326	1	#5	STR	26'-4"	27
✳ A327	1	#5	STR	25'-9"	27
✳ A328	1	#5	STR	25'-2"	26
✳ A329	1	#5	STR	24'-7"	26
✳ A330	1	#5	STR	24'-1"	25
✳ A331	1	#5	STR	23'-6"	25
✳ A332	1	#5	STR	22'-11"	24
✳ A333	1	#5	STR	22'-5"	23
✳ A334	1	#5	STR	21'-10"	23
✳ A335	1	#5	STR	21'-3"	22
✳ A336	1	#5	STR	20'-8"	22

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A337	1	#5	STR	20'-2"	21
✳ A338	1	#5	STR	19'-7"	20
✳ A339	1	#5	STR	19'-0"	20
✳ A340	1	#5	STR	18'-6"	19
✳ A341	1	#5	STR	17'-11"	19
✳ A342	1	#5	STR	17'-5"	18
✳ A343	1	#5	STR	16'-10"	18
✳ A344	1	#5	STR	16'-3"	17
✳ A345	1	#5	STR	15'-9"	16
✳ A346	1	#5	STR	15'-2"	16
✳ A347	1	#5	STR	14'-7"	15
✳ A348	1	#5	STR	14'-1"	15
✳ A349	1	#5	STR	13'-6"	14
✳ A350	1	#5	STR	13'-0"	14
✳ A351	1	#5	STR	12'-5"	13
✳ A352	1	#5	STR	11'-10"	12
✳ A353	1	#5	STR	11'-4"	12
✳ A354	1	#5	STR	10'-9"	11
✳ A355	1	#5	STR	10'-3"	11
✳ A356	1	#5	STR	9'-8"	10
✳ A357	1	#5	STR	9'-1"	9
✳ A358	1	#5	STR	8'-7"	9
✳ A359	1	#5	STR	8'-0"	8
✳ A360	1	#5	STR	7'-6"	8
✳ A361	1	#5	STR	6'-11"	7
✳ A362	1	#5	STR	6'-5"	7
✳ A363	1	#5	STR	5'-10"	6
✳ A364	1	#5	STR	5'-4"	6
✳ A365	1	#5	STR	4'-9"	5
✳ A366	1	#5	STR	4'-3"	4
✳ A367	1	#5	STR	3'-8"	4
✳ A368	1	#5	STR	3'-2"	3
✳ A369	1	#5	STR	2'-7"	3
✳ A370	1	#5	STR	2'-1"	2
✳ A371	1	#5	STR	1'-6"	2
A401	1	#5	STR	40'-11"	43
A402	1	#5	STR	40'-5"	42
A403	1	#5	STR	39'-10"	42
A404	1	#5	STR	39'-3"	41
A405	1	#5	STR	38'-8"	40
A406	1	#5	STR	38'-2"	40
A407	1	#5	STR	37'-7"	39
A408	1	#5	STR	37'-0"	39
A409	1	#5	STR	36'-5"	38
A410	1	#5	STR	35'-10"	37
A411	1	#5	STR	35'-3"	37
A412	1	#5	STR	34'-9"	36
A413	1	#5	STR	34'-2"	36
A414	1	#5	STR	33'-7"	35
A415	1	#5	STR	33'-0"	34
A416	1	#5	STR	32'-5"	34
A417	1	#5	STR	31'-11"	33
A418	1	#5	STR	31'-4"	33
A419	1	#5	STR	30'-9"	32
A420	1	#5	STR	30'-2"	31
A421	1	#5	STR	29'-7"	31
A422	1	#5	STR	29'-1"	30
A423	1	#5	STR	28'-6"	30
A424	1	#5	STR	27'-11"	29
A425	1	#5	STR	27'-4"	29
A426	1	#5	STR	26'-10"	28
A427	1	#5	STR	26'-3"	27
A428	1	#5	STR	25'-8"	27
A429	1	#5	STR	25'-1"	26
A430	1	#5	STR	24'-7"	26
A431	1	#5	STR	24'-0"	25
A432	1	#5	STR	23'-5"	24
A433	1	#5	STR	22'-11"	24
A434	1	#5	STR	22'-4"	23
A435	1	#5	STR	21'-9"	23
A436	1	#5	STR	21'-3"	22
A437	1	#5	STR	20'-8"	22
A438	1	#5	STR	20'-1"	21
A439	1	#5	STR	19'-7"	20
A440	1	#5	STR	19'-0"	20
A441	1	#5	STR	18'-5"	19

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A442	1	#5	STR	17'-11"	19
A443	1	#5	STR	17'-4"	18
A444	1	#5	STR	16'-9"	17
A445	1	#5	STR	16'-3"	17
A446	1	#5	STR	15'-8"	16
A447	1	#5	STR	15'-1"	16
A448	1	#5	STR	14'-7"	15
A449	1	#5	STR	14'-0"	15
A450	1	#5	STR	13'-6"	14
A451	1	#5	STR	12'-11"	13
A452	1	#5	STR	12'-4"	13
A453	1	#5	STR	11'-10"	12
A454	1	#5	STR	11'-3"	12
A455	1	#5	STR	10'-9"	11
A456	1	#5	STR	10'-2"	11
A457	1	#5	STR	9'-8"	10
A458	1	#5	STR	9'-1"	9
A459	1	#5	STR	8'-6"	9
A460	1	#5	STR	8'-0"	8
A461	1	#5	STR	7'-5"	8
A462	1	#5	STR	6'-11"	7
A463	1	#5	STR	6'-4"	7
A464	1	#5	STR	5'-10"	6
A465	1	#5	STR	5'-3"	5
A466	1	#5	STR	4'-9"	5
A467	1	#5	STR	4'-2"	4
A468	1	#5	STR	3'-8"	4
A469	1	#5	STR	3'-1"	3
A470	1	#5	STR	2'-7"	3
A471	1	#5	STR	2'-0"	2
✳ B1	140	#4	STR	24'-2"	2260
✳ B2	28	#7	STR	53'-11"	3086
✳ B3	27	#7	STR	21'-11"	1210
✳ B4	28	#7	STR	46'-11"	2685
✳ B5	27	#7	STR	25'-6"	1407
✳ B6	28	#7	STR	19'-5"	1111
✳ B7	56	#4	STR	17'-1"	639
✳ B8	28	#7	STR	59'-6"	3405
✳ B9	27	#7	STR	24'-9"	1366
✳ B10	28	#4	STR	22'-1"	413
✳ B11	28	#7	STR	52'-4"	2995
✳ B12	27	#7	STR	21'-2"	1168
B13	301	#5	STR	56'-8"	17790
✳ G1	1	#5	STR	51'-4"	54
✳ G2	1	#5	STR	56'-10"	59
✳ J1	105	#4	9	1'-5"	99
✳ K1	2	#8	1	15'-4"	82
✳ K2	6	#8	2	22'-3"	356
✳ K3	12	#6	STR	8'-3"	149
✳ K4	2	#8	1	14'-8"	78
K5	8	#4	STR	7'-2"	38
K6	24	#4	STR	8'-10"	142
K7	8	#4	STR	8'-5"	45
K8	10	#4	3	7'-0"	47
K9	15	#4	4	13'-8"	137
K10	8	#4	STR	7'-4"	39
K11	24	#4	STR	9'-0"	144
K12	8	#4	STR	8'-7"	46
K13	10	#4	3	7'-1"	47
K14	15	#4	4	13'-10"	139
K15	8	#4	STR	7'-7"	41
K16	24	#4	STR	9'-3"	148
K17	8	#4	STR	8'-10"	47
K18	10	#4	3	7'-3"	48
K19	15	#4	4	14'-2"	142
K20	8	#4	STR	7'-9"	41
K21	24	#4	STR	9'-5"	151
K22	8	#4	STR	8'-11"	48
K23	10	#4	3	7'-4"	49
K24	15	#4	4	14'-4"	144
✳ K25	2	#8	1	17'-2"	92
✳ K26	6	#8	2	24'-11"	399
✳ K27	12	#6	STR	9'-3"	167

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ K28	2	#8	1	16'-4"	87
✳ S1	68	#5	5	5'-9"	408
✳ S2	68	#4	6	4'-11"	223
S3	416	#4	7	2'-9"	764
U1	80	#4	8	15'-6"	828
U2	32	#4	8	13'-6"	289
REINFORCING STEEL				LBS.	51687
✳ EPOXY COATED REINFORCING STEEL				LBS.	54416

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"			

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR 1	86.9		
POUR 2	116.2		
POUR 3	142.9		
POUR 4	110.1		
POUR 5	127.4		
✳✳ TOTALS	583.5	51687	54416

✳✳ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,677	SQ.FT.
BRIDGE DECK	13,317	SQ.FT.
TOTAL	14,994	SQ.FT.

PROJECT NO. U-2579B

FORSYTH COUNTY

STATION: 17+10.00 -Y4RPA-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

DRAWN BY : W. B. ALLEN DATE : 8/13
CHECKED BY : T. R. PETERSON DATE : 10/13
DESIGN ENGINEER OF RECORD: T. R. PETERSON DATE : 4/23/14

PLANS PREPARED BY:
MULKEY ENGINEERS & CONSULTANTS
PO Box 33127
RALEIGH, N.C. 27636
(919) 851-1912
(919) 851-1918 (FAX)
WWW.MULKEYINC.COM
NC LICENSE NO. C-1021

NORTH CAROLINA PROFESSIONAL SEAL 034352 ENGINEER TIERRE R. PETERSON 5/19/2014
DocuSigned by: Tierre P. Peterson
6DC4171647CD40F...

DWG. NO. RPA-30

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

SHEET NO. S-247
TOTAL SHEETS 707

STR #7

5/19/2014 8:22:54 AM R:\Structures\U-2579B Ramp A\U-2579B_RPA_SD_BM_01.dgn