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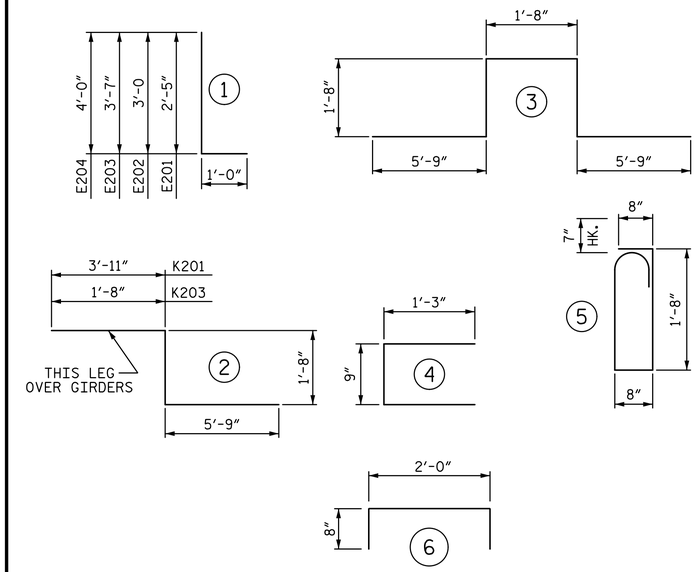
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	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"			

GROOVING BRIDGE FLOORS

APPROACH SLABS	3,396	SQ. FT.
BRIDGE DECK	14,504	SQ. FT.
TOTAL	17,900	SQ. FT.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL
STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A2001	402	#5	STR	37'-11"	15898
A2002	402	#5	STR	37'-11"	15898
✳ A2101	2	#5	STR	36'-3"	76
✳ A2102	2	#5	STR	32'-7"	68
✳ A2103	2	#5	STR	28'-11"	60
✳ A2104	2	#5	STR	25'-3"	53
✳ A2105	2	#5	STR	21'-7"	45
✳ A2106	2	#5	STR	17'-11"	37
✳ A2107	2	#5	STR	14'-4"	30
✳ A2108	2	#5	STR	10'-8"	22
✳ A2109	2	#5	STR	7'-0"	15
✳ A2110	2	#5	STR	3'-4"	7
A2201	2	#5	STR	36'-3"	76
A2202	2	#5	STR	32'-7"	68
A2203	2	#5	STR	28'-11"	60
A2204	2	#5	STR	25'-3"	53
A2205	2	#5	STR	21'-7"	45
A2206	2	#5	STR	17'-11"	37
A2207	2	#5	STR	14'-4"	30
A2208	2	#5	STR	10'-8"	22
A2209	2	#5	STR	7'-0"	15
A2210	2	#5	STR	3'-4"	7
B201	52	#5	STR	59'-5"	3223
B202	149	#4	STR	10'-0"	995
B203	52	#4	STR	39'-6"	1372
B204	52	#5	STR	28'-0"	1519
B205	52	#4	STR	32'-6"	1129
B206	52	#5	STR	38'-4"	2079
B207	45	#4	STR	31'-11"	959

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B208	45	#4	STR	34'-9"	1045
✳ B209	60	#4	STR	28'-10"	1156
✳ B210	30	#5	STR	55'-6"	1737
✳ B211	30	#4	STR	22'-0"	441
✳ B212	30	#5	STR	47'-1"	1473
✳ B213	30	#4	STR	36'-0"	721
✳ B214	52	#5	STR	32'-9"	1776
✳ B215	52	#5	STR	28'-7"	1550
✳ B216	18	#4	STR	29'-4"	353
✳ B217	12	#4	STR	35'-2"	282
✳ B218	12	#4	STR	28'-8"	230
✳ D201	412	#6	STR	4'-10"	2991
D 202	412	#6	STR	4'-10"	2991
✳ E201	4	#7	1	3'-5"	28
✳ E202	4	#7	1	4'-0"	33
✳ E203	4	#7	1	4'-7"	37
✳ E204	4	#7	1	5'-0"	41
✳ F201	4	#6	STR	1'-8"	10
✳ F202	4	#6	STR	3'-3"	20
✳ F203	8	#6	STR	3'-5"	41
✳ F204	4	#6	STR	3'-5"	21
✳ G2	2	#5	STR	40'-3"	84
✳ G20	203	#4	STR	6'-4"	859
✳ K201	4	#8	2	11'-4"	121
✳ K202	12	#8	3	16'-6"	529
✳ K203	4	#8	2	9'-1"	97
K204	16	#4	STR	6'-10"	73
K205	16	#6	STR	6'-10"	164
✳ S1	56	#4	4	3'-3"	122
✳ S2	56	#5	5	5'-3"	307
✳ U2	60	#4	6	3'-4"	134
REINFORCING STEEL					31860 LB
EPOXY COATED REINFORCING STEEL					31505 LB

✳ INDICATES EPOXY COATED REINFORCING STEEL

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS "AA" CONCRETE		REINFORCING STEEL		EPOXY COATED REINFORCING STEEL	
	CY		LB		LB	
	STAGE I	STAGE II	STAGE I	STAGE II	STAGE I	STAGE II
POUR 1 / POUR 3	254.7	207.1	--	--	--	--
POUR 2 / POUR 4	43.5	37.8	--	--	--	--
POUR 5	--	14.0	--	--	--	--
SIDEWALK & END POSTS	27.5	38.3	--	--	--	--
SUB TOTAL	325.7	297.2	37,524	31,860	37,133	31,505
MEDIAN	8.5	--	--	--	--	--
TOTAL	631.4		69,384		68,638	

PROJECT NO. U-2729
FORSYTH COUNTY
STATION: 33+99.11 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

WGI
5640 Dillard Drive, Suite 200
Cary, NC 27518
LICENSURE NO. C-4434

NORTH CAROLINA PROFESSIONAL SEAL 18056 ENGINEER JOHN A. BATTS
4/6/2023 | 10:39 AM PDT

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

SHEET NO. S-40
TOTAL SHEETS 59

DRAWN BY: T. BANKOVICH DATE: 9-22
CHECKED BY: T.J. BEACH DATE: 9-22
DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 9-22