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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	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"			

REINFORCING BAR SCHEDULE

SPAN "A-B"

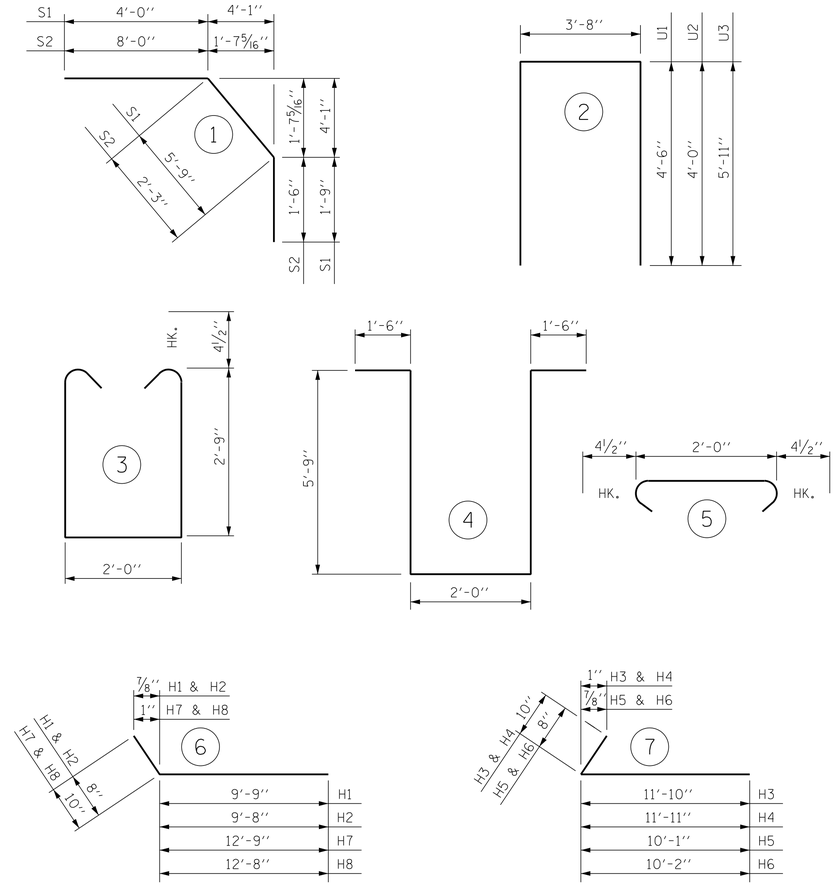
BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
*A1	780	#5	STR	33'-0"	26847
A2	389	#5	STR	38'-6"	15620
A3	391	#5	STR	27'-2"	11079
*A101	4	#5	STR	29'-0"	121
*A102	4	#5	STR	23'-11"	100
*A103	4	#5	STR	18'-10"	79
*A104	4	#5	STR	13'-9"	57
*A105	4	#5	STR	8'-8"	36
*A106	4	#5	STR	3'-7"	15
A201	1	#5	STR	34'-2"	36
A202	1	#5	STR	29'-1"	30
A203	1	#5	STR	24'-0"	25
A204	1	#5	STR	18'-11"	20
A205	1	#5	STR	13'-10"	14
A206	1	#5	STR	8'-9"	9
A207	1	#5	STR	3'-8"	4
A208	1	#5	STR	34'-6"	36
A209	1	#5	STR	29'-5"	31
A210	1	#5	STR	24'-4"	25
A211	1	#5	STR	19'-3"	20
A212	1	#5	STR	14'-2"	15
A213	1	#5	STR	9'-1"	9
A214	1	#5	STR	4'-0"	4
A301	1	#5	STR	23'-3"	24
A302	1	#5	STR	18'-2"	19
A303	1	#5	STR	13'-1"	14
A304	1	#5	STR	8'-0"	8
A305	1	#5	STR	23'-11"	25
A306	1	#5	STR	18'-10"	20
A307	1	#5	STR	13'-9"	14
A308	1	#5	STR	8'-8"	9
A309	1	#5	STR	3'-7"	4
*B1	16	#4	STR	28'-7"	305
*B2	166	#7	STR	24'-10"	8426
*B3	126	#7	STR	30'-2"	7769
*B4	41	#7	STR	35'-0"	2933
*B5	84	#4	STR	26'-1"	1464
*B6	84	#4	STR	22'-4"	1253
B7	224	#6	STR	55'-11"	18813

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
H1	7	#4	6	10'-5"	49
H2	7	#4	6	10'-4"	48
H3	7	#5	7	12'-8"	92
H4	7	#5	7	12'-9"	93
H5	7	#4	7	10'-9"	50
H6	7	#4	7	10'-10"	51
H7	7	#5	6	13'-7"	99
H8	7	#5	6	13'-6"	99
K1	10	#4	STR	7'-5"	50
K2	40	#4	STR	10'-5"	278
K3	10	#4	STR	8'-10"	59
K4	20	#4	STR	2'-8"	36
K5	4	#4	STR	4'-5"	12
K6	16	#4	STR	5'-11"	63
K7	4	#4	STR	5'-2"	14
K8	36	#4	STR	24'-8"	593
K9	10	#4	STR	7'-9"	52
K10	40	#4	STR	10'-5"	278
K11	10	#4	STR	7'-8"	51
K12	12	#4	STR	29'-7"	237
*S1	74	#4	1	11'-6"	568
*S2	74	#4	1	11'-9"	581
S3	220	#4	5	2'-9"	404
U1	74	#4	2	12'-8"	626
U2	24	#4	2	11'-8"	187
U3	12	#4	2	15'-6"	124
*U4	40	#4	4	16'-6"	441
U5	10	#4	3	8'-3"	55

REINFORCING STEEL 49,627 LBS.

* EPOXY COATED REINFORCING STEEL 50,995 LBS.

* THESE BARS ARE EPOXY COATED



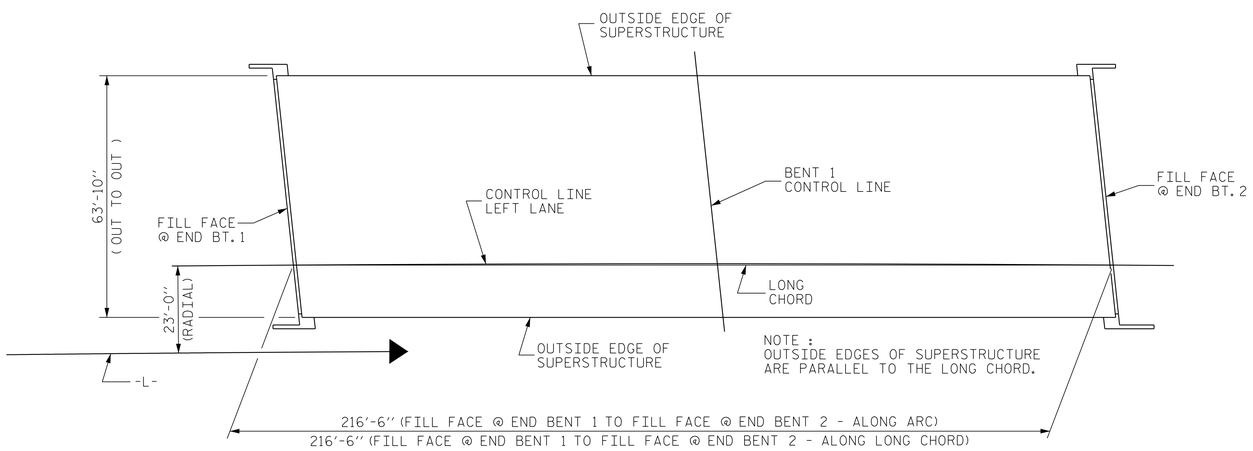
ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

(LEFT LANE)	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
SPAN "A-B"	607.4	49,622	50,995
TOTALS **	607.4	49,622	50,995

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

SEE "CONCRETE DECK POUR DETAIL" SHEET FOR CLASS AA CONCRETE BREAKDOWN.



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 13,820)

GROOVING BRIDGE FLOORS		
APPROACH SLABS	3,091	SQ.FT.
BRIDGE DECK	12,370	SQ.FT.
TOTAL	15,461	SQ.FT.

PROJECT NO. U-2579B

FORSYTH COUNTY

STATION: 642+81.42 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

(LEFT LANE)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 026839 JOHN T. DIFFEE

DocuSigned by: 2/18/2014 7:26:00 PM EST

WETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
License: F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-495
1			3			TOTAL SHEETS
2			4			707

DRAWN BY :	J.M. BRITT	DATE :	1-23-14
CHECKED BY :	B.C. HUNT	DATE :	4-1-14
DESIGN ENGINEER OF RECORD :	T. DIFFEE	DATE :	4-15-14

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