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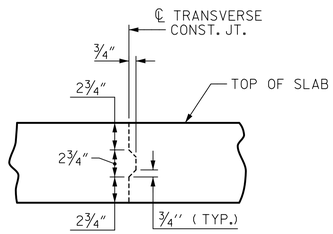
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

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"			

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,610	SQ.FT.
BRIDGE DECK	4,276	SQ.FT.
TOTAL	5,886	SQ.FT.



TRANSVERSE CONSTRUCTION JOINT DETAIL

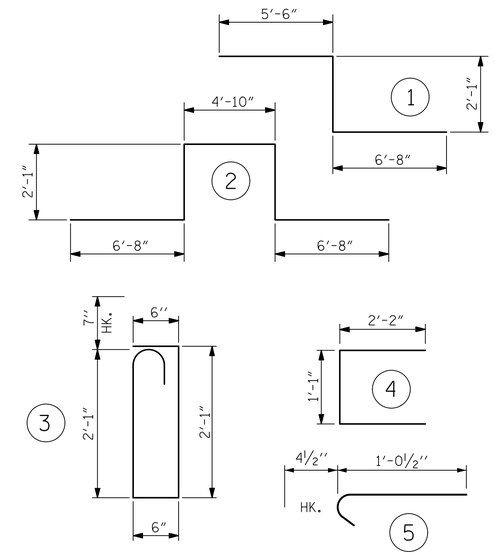
NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL AND LATERAL REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	184	#5	STR.	38'-11"	7469
A2	184	#5	STR.	38'-11"	7469
✳ A3	6	#6	STR.	13'-2"	119
✳ A101	2	#5	STR.	2'-4"	5
✳ A102	2	#5	STR.	3'-3"	7
✳ A103	2	#5	STR.	4'-3"	9
✳ A104	2	#5	STR.	5'-2"	11
✳ A105	2	#5	STR.	6'-2"	13
✳ A106	2	#5	STR.	7'-2"	15
✳ A107	2	#5	STR.	8'-1"	17
✳ A108	2	#5	STR.	9'-1"	19
✳ A109	2	#5	STR.	10'-0"	21
✳ A110	2	#5	STR.	11'-0"	23
✳ A111	2	#5	STR.	12'-0"	25
✳ A112	2	#5	STR.	12'-11"	27
✳ A113	2	#5	STR.	13'-11"	29
✳ A114	2	#5	STR.	14'-11"	31
✳ A115	2	#5	STR.	15'-10"	33
✳ A116	2	#5	STR.	16'-10"	35
✳ A117	2	#5	STR.	17'-9"	37
✳ A118	2	#5	STR.	18'-9"	39
✳ A119	2	#5	STR.	19'-9"	41
✳ A120	2	#5	STR.	20'-8"	43
✳ A121	2	#5	STR.	21'-8"	45
✳ A122	2	#5	STR.	22'-8"	47
✳ A123	2	#5	STR.	23'-7"	49
✳ A124	2	#5	STR.	24'-7"	51
✳ A125	2	#5	STR.	25'-6"	53
✳ A126	2	#5	STR.	26'-6"	55
✳ A127	2	#5	STR.	27'-6"	57
✳ A128	2	#5	STR.	28'-5"	59
✳ A129	2	#5	STR.	29'-5"	61
✳ A130	2	#5	STR.	30'-5"	63
✳ A131	2	#5	STR.	31'-4"	65
✳ A132	2	#5	STR.	32'-4"	67
✳ A133	2	#5	STR.	33'-3"	69
✳ A134	2	#5	STR.	34'-3"	71
✳ A135	2	#5	STR.	35'-3"	74
✳ A136	2	#5	STR.	36'-2"	75
✳ A137	2	#5	STR.	37'-2"	78
✳ A138	2	#5	STR.	38'-2"	80

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A201	2	#5	STR.	2'-4"	5
A202	2	#5	STR.	3'-3"	7
A203	2	#5	STR.	4'-3"	9
A204	2	#5	STR.	5'-2"	11
A205	2	#5	STR.	6'-2"	13
A206	2	#5	STR.	7'-2"	15
A207	2	#5	STR.	8'-1"	17
A208	2	#5	STR.	9'-1"	19
A209	2	#5	STR.	10'-0"	21
A210	2	#5	STR.	11'-0"	23
A211	2	#5	STR.	12'-0"	25
A212	2	#5	STR.	12'-11"	27
A213	2	#5	STR.	13'-11"	29
A214	2	#5	STR.	14'-11"	31
A215	2	#5	STR.	15'-10"	33
A216	2	#5	STR.	16'-10"	35
A217	2	#5	STR.	17'-9"	37
A218	2	#5	STR.	18'-9"	39
A219	2	#5	STR.	19'-9"	41
A220	2	#5	STR.	20'-8"	43
A221	2	#5	STR.	21'-8"	45
A222	2	#5	STR.	22'-8"	47
A223	2	#5	STR.	23'-7"	49
A224	2	#5	STR.	24'-7"	51
A225	2	#5	STR.	25'-6"	53
A226	2	#5	STR.	26'-6"	55
A227	2	#5	STR.	27'-6"	57
A228	2	#5	STR.	28'-5"	59
A229	2	#5	STR.	29'-5"	61
A230	2	#5	STR.	30'-5"	63
A231	2	#5	STR.	31'-4"	65
A232	2	#5	STR.	32'-4"	67
A233	2	#5	STR.	33'-3"	69
A234	2	#5	STR.	34'-3"	71
A235	2	#5	STR.	35'-3"	74
A236	2	#5	STR.	36'-2"	75
A237	2	#5	STR.	37'-2"	78
A238	2	#5	STR.	38'-2"	80
✳ B1	135	#4	STR.	27'-9"	2502
B2	96	#5	STR.	45'-0"	4506
✳ G1	2	#5	STR.	45'-5"	95
✳ J1	80	#4	5	1'-5"	76
✳ K1	8	#8	1	14'-3"	304
✳ K2	12	#8	2	13'-7"	435
✳ K3	24	#6	STR	5'-0"	180
✳ K4	16	#5	STR	8'-6"	142
✳ S1	40	#5	3	5'-9"	240
✳ S2	40	#4	4	5'-5"	145
REINFORCING STEEL					13574 LBS.
✳ EPOXY COATED REINF. STEEL					13306 LBS.

BAR TYPES

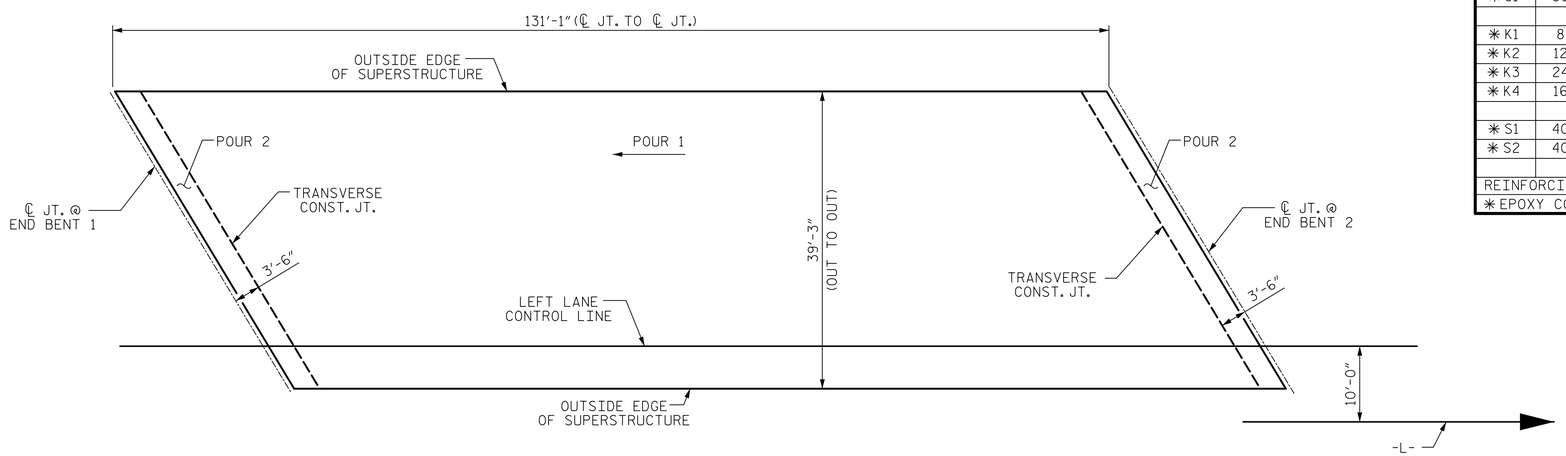


ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	✳EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
SPAN A		13,574	13,306
POUR 1	168.5		
POUR 2	16.3		
TOTAL✳✳	184.8	13,574	13,306

✳✳QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



POURING SEQUENCE AND LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 5,145)

PROJECT NO. R-2519B
YANCEY/MITCHELL COUNTY
STATION: 24+11.31 -L-

ASSEMBLED BY : K.H. COMPTON		DATE : 11/26/12	
CHECKED BY : R.L. WHITCHER		DATE : 11/28/12	
DESIGNED BY : K.H. COMPTON		DATE : 11/26/12	
DRAWN BY : JMB 5/87	REV. 8/16/99	RWW/LES	
CHECKED BY : SJD 9/87	REV. 5/1/06	TLA/GM	
	REV. 10/1/11	MAA/GM	

Prepared by
URS
URS Corporation - North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560
PHONE: (919) 461-1100 FAX: (919) 461-1415
NC LIC.# C-2243

8/21/2014
NORTH CAROLINA PROFESSIONAL SEAL 038447 ENGINEER ANDREW S. MILLER
DocuSigned by: Andrew S. Miller
D5DB2D09405446D...

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

SUPERSTRUCTURE BILL OF MATERIAL
(LEFT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17
1			3			TOTAL SHEETS
2			4			194

STD. NO. BOM2 STR. #1