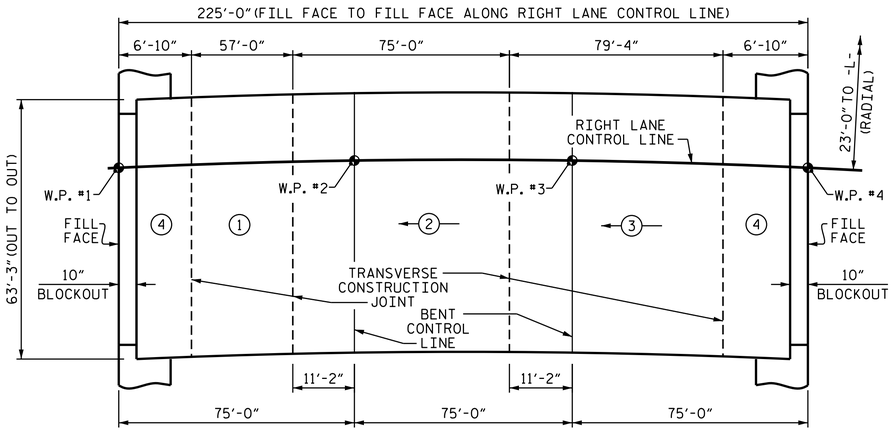
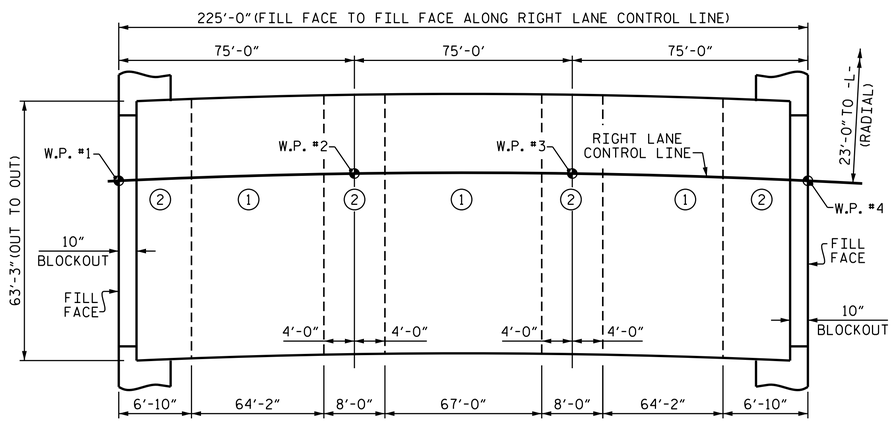


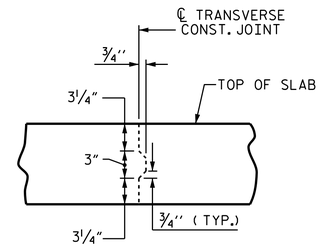
POURING SEQUENCE

INDICATES DIRECTION OF POUR



OPTIONAL POURING SEQUENCE

POUR (2) CAN NOT BE STARTED UNTIL BOTH ADJACENT (1) POURS REACH A MINIMUM OF 3000 PSI



TRANSVERSE CONSTRUCTION JOINT DETAIL

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

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	* EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	125.0		
POUR #2	186.8		
POUR #3	194.7		
POUR #4	102.7		
TOTALS**	609.2	58,161	56,355

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

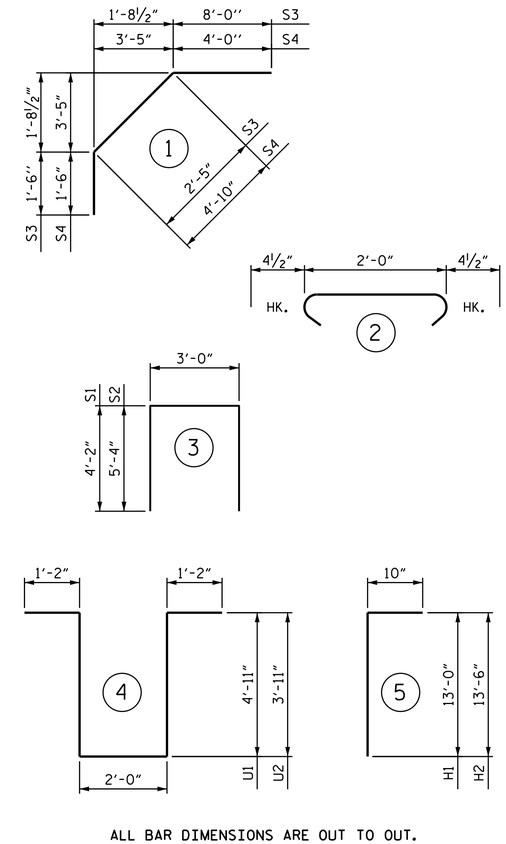
REINFORCING BAR SCHEDULE

SPANS A, B & C

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	974	#5	STR	32'-9"	33270
A2	974	#5	STR	32'-7"	33101
* B1	88	#7	STR	55'-0"	9893
* B2	82	#7	STR	22'-6"	3771
* B3	170	#7	STR	14'-0"	4865
* B4	44	#4	STR	24'-0"	705
* B5	176	#4	STR	19'-3"	2263
B6	332	#5	STR	57'-5"	19882
H1	32	#5	5	13'-10"	462
H2	32	#5	5	14'-4"	478
K1	30	#4	STR	24'-2"	484
K2	60	#4	STR	10'-3"	411
K3	30	#4	STR	9'-8"	194
K4	30	#4	STR	9'-3"	185
K5	10	#4	STR	8'-9"	58
K6	8	#4	STR	5'-10"	31
K7	8	#4	STR	5'-4"	29
K8	4	#4	STR	5'-1"	14
K9	16	#4	STR	2'-8"	29
K10	20	#4	STR	7'-7"	101
K11	20	#4	STR	29'-11"	400
S1	98	#4	3	11'-4"	742
S2	12	#4	3	13'-8"	110
* S3	118	#4	1	11'-11"	939
* S4	94	#4	1	10'-4"	649
S5	340	#4	2	2'-9"	625
U1	70	#4	4	14'-2"	662
U2	20	#4	4	12'-2"	163

REINFORCING STEEL	LBS.	58,161
* EPOXY COATED REINFORCING STEEL	LBS.	56,355

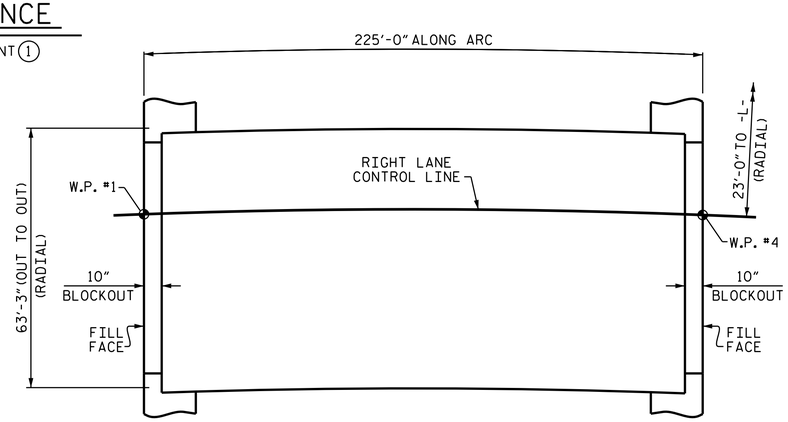
BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

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"			



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB

(SQ. FT. = 14,231)

GROOVING BRIDGE FLOORS		
APPROACH SLABS	2,895	SQ.FT.
BRIDGE DECK	12,709	SQ.FT.
TOTAL	15,604	SQ.FT.

PROJECT NO. U-2579B

FORSYTH COUNTY

STATION: 556+85.00 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

SUPERSTRUCTURE BILL OF MATERIAL

(RIGHT LANE)

NORTH CAROLINA PROFESSIONAL SEAL 10730 ENGINEER D. ANDRE DAVENPORT, JR.

DocuSigned by: D. André Davenport, Jr. 8/4/2014

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-127
1			3					TOTAL SHEETS
2			4					707

STR #4

STD. NO. BOM2

ASSEMBLED BY : J.P. ADAMS DATE : 8/20/12
CHECKED BY : K.D. LAYNE DATE : 5/2013

DRAWN BY : JMB 5/87
CHECKED BY : SJD 9/87

REV. 8/16/99 RWW/LES
REV. 5/1/06 TLA/GM
REV. 10/1/11 MAA/GM

DESIGN ENGINEER OF RECORD: G.W. DICKEY DATE : 6/4/14

04-AUG-2014 13:45
R:\Structures\Plans\Str04\U2579B_SD_BM_04.dgn
lsutton