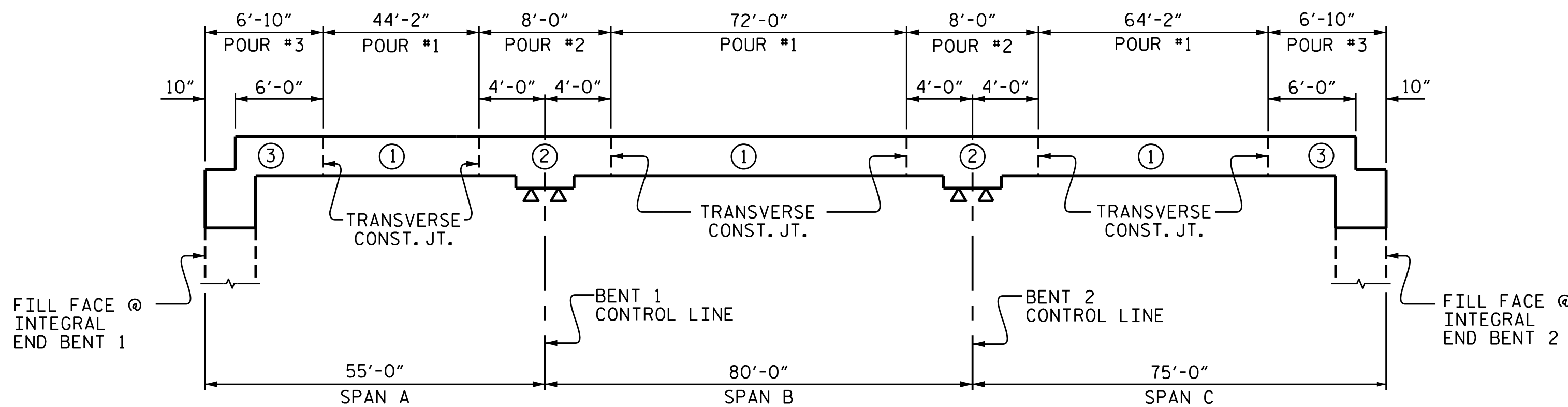
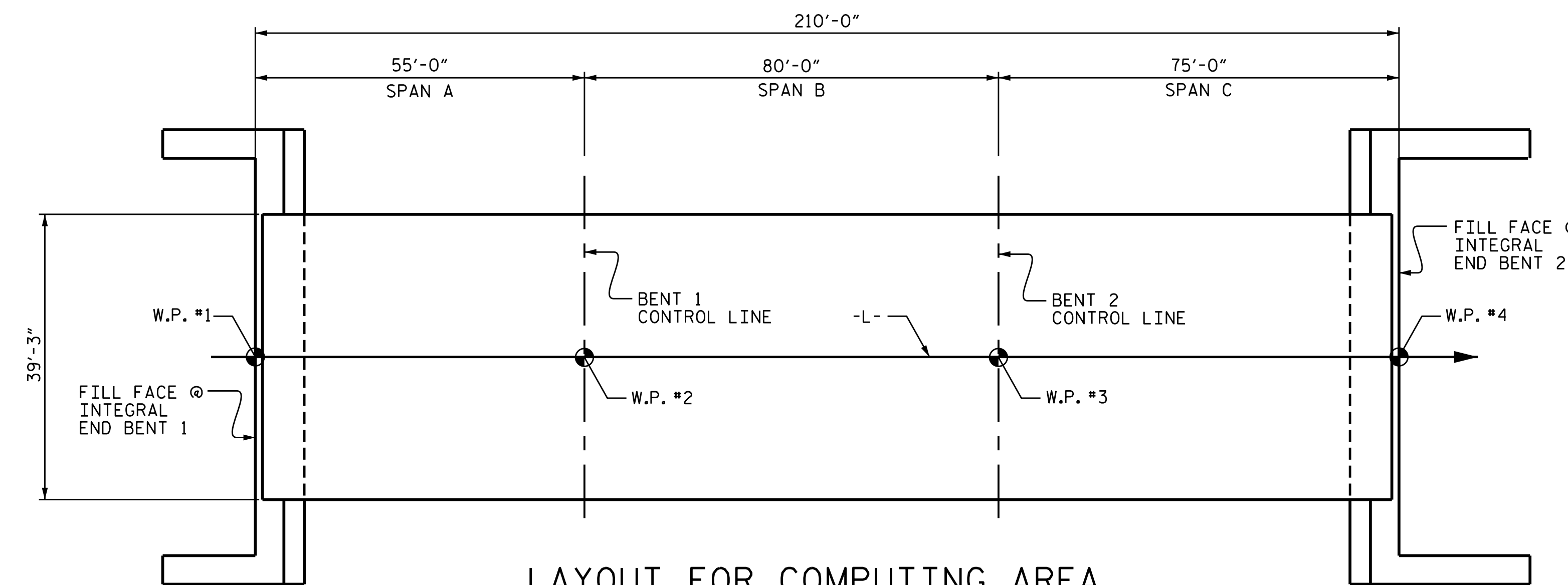


POURING SEQUENCE

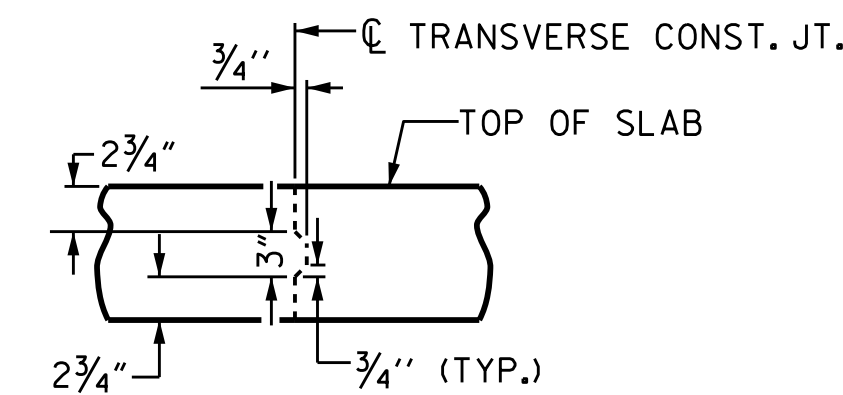


OPTIONAL POURING SEQUENCE

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



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 8,243)



TRANSVERSE CONSTRUCTION JOINT DETAIL

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

CLASS AA CONCRETE QUANTITIES	
POUR #1	50.9 CU.YDS.
POUR #2	107.4 CU.YDS.
POUR #3	100.5 CU.YDS.
POUR #4	48.6 CU.YDS.
TOTAL CLASS AA CONCRETE	307.4 CU.YDS.

NOTE: QUANTITY FOR BARRIER RAIL AND LOWER PORTION OF CAP IS NOT INCLUDED.

QUANTITIES ALSO REFLECT DEDUCTIONS FOR CONCRETE DISPLACEMENT OF GIRDERS.

BAR TYPES

1: S1 4'-0", S2 8'-0", 3'-2 7/8", 1'-8 1/2", 1'-5", 1'-6", 4 1/2", 2'-0", 4 1/2", HK., HK.

2: 2'-11", 3'-8", 4'-4", 8", 8", 4'-2", 3'-4", 2'-0", U3, U4

3: 2'-11", 3'-8", 4'-4", 8", 8", 4'-2", 3'-4", 2'-0", U3, U4

4: 8", 8", 4'-2", 3'-4", 2'-0", U3, U4

ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	416	#5	STR.	38'-10"	16,849
A2	416	#5	STR.	38'-10"	16,849
*B1	53	#7	STR.	11'-0"	1,192
*B2	28	#4	STR.	25'-6"	477
*B3	28	#7	STR.	50'-6"	2,890
*B4	25	#7	STR.	20'-3"	1,035
*B5	28	#4	STR.	26'-0"	486
*B6	28	#7	STR.	56'-6"	3,234
*B7	25	#7	STR.	23'-3"	1,188
*B8	56	#4	STR.	18'-9"	701
*B9	53	#7	STR.	15'-0"	1,625
B10	192	#5	STR.	53'-9"	10,764
K1	20	#4	STR.	20'-4"	272
K2	8	#4	STR.	6'-1"	33
K3	16	#4	STR.	7'-2"	77
K4	8	#4	STR.	6'-7"	35
K5	8	#4	STR.	6'-11"	37
K7	4	#4	STR.	2'-1"	6
K8	8	#4	STR.	2'-5"	13
K9	4	#4	STR.	2'-3"	6
K10	4	#4	STR.	1'-10"	5
K11	20	#4	STR.	18'-2"	243
K12	32	#4	STR.	7'-4"	157
K13	32	#4	STR.	6'-7"	141
K14	16	#4	STR.	5'-2"	55
*S1	64	#4	1	10'-0"	428
*S2	64	#4	1	11'-11"	509
S3	208	#4	2	2'-9"	382
U1	68	#4	3	10'-3"	466
U3	40	#4	4	11'-8"	312
U4	16	#4	4	10'-0"	107
V1	10	#4	STR.	3'-8"	24
REINFORCING STEEL					29,984 LBS.
* EPOXY COATED REINFORCING STEEL					30,614 LBS.

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLAB		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 SLAB	933 SQ. FT.
BRIDGE DECK	6,862 SQ. FT.
TOTAL	7,795 SQ. FT.



DocuSigned by:
Emily E. Murray
CAESWADCSBHEG
4/27/2016

PROJECT NO. B-4761
HALIFAX COUNTY
 STATION: 20+11.00 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 BILL OF MATERIAL

DRAWN BY: M.D.PISO DATE: 7-20-2015
 CHECKED BY: N.RUFFIN DATE: 7-31-2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS 31
2			4			