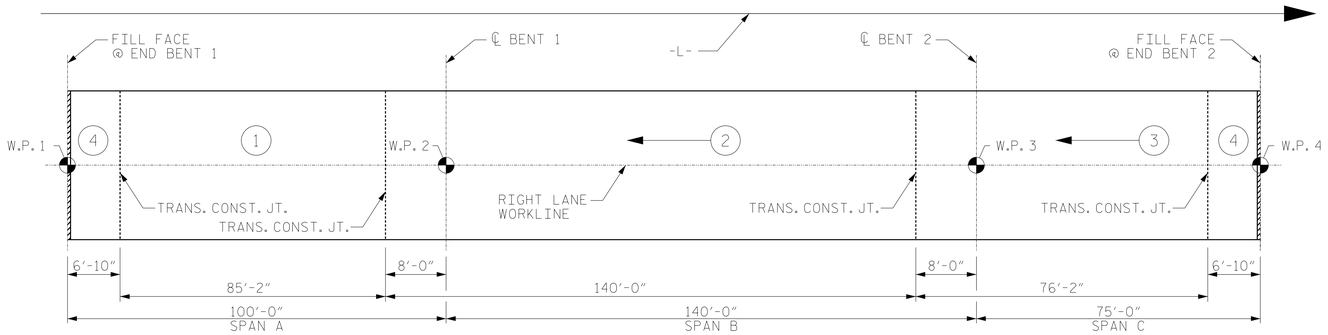
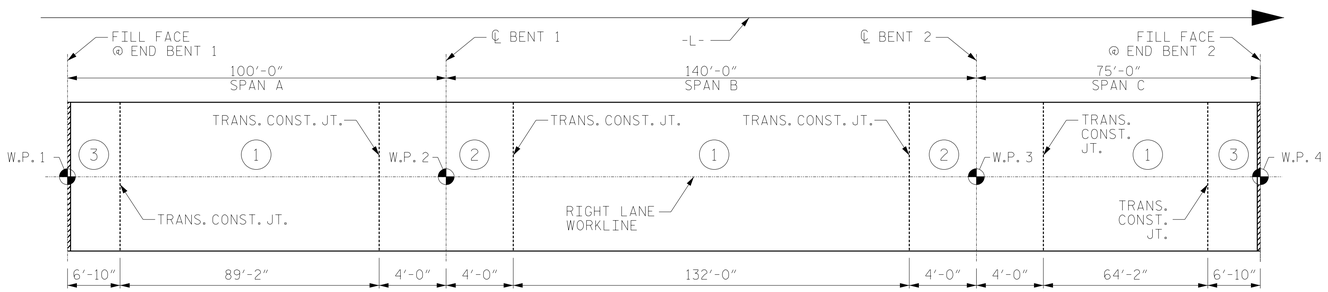


POURING SEQUENCE

THE SEQUENCE OF POURS SHALL PROCEED AS SHOWN IN ORDER OF ASCENDING NUMBERS.

(#) INDICATES POUR NUMBER AND DIRECTION OF POUR.

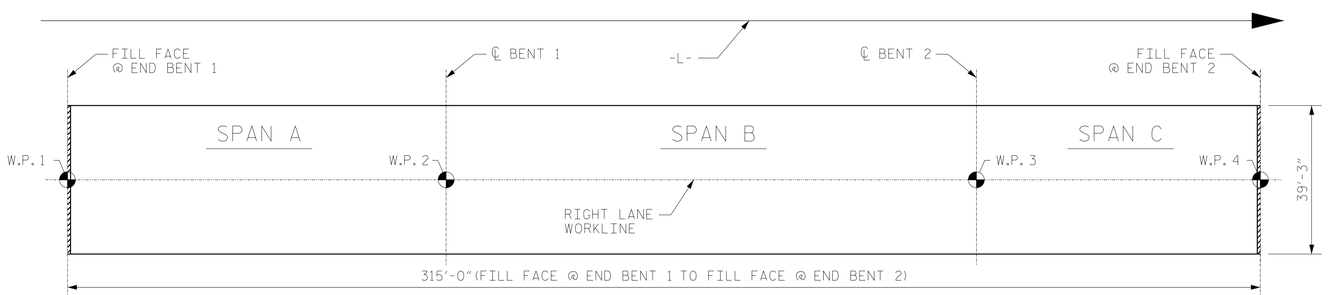
POUR (4) INCLUDES DECK AND UPPER PART OF INTEGRAL END BENT.



OPTIONAL POURING SEQUENCE

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

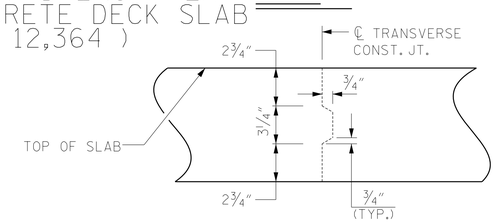
POUR (3) INCLUDES DECK AND UPPER PART OF INTEGRAL END BENT.



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 12,364)

GROOVING BRIDGE FLOORS		
APPROACH SLAB @ END BENT 1	804	SQ.FT.
APPROACH SLAB @ END BENT 2	804	SQ.FT.
BRIDGE DECK	10,329	SQ.FT.
TOTAL	11,937	SQ.FT.

CLASS "AA" CONCRETE	
POUR NO.	CUBIC YDS
1	113.5
2	197.8
3	117.0
4	73.0
TOTAL	501.3



TRANSVERSE CONSTRUCTION JOINT DETAIL

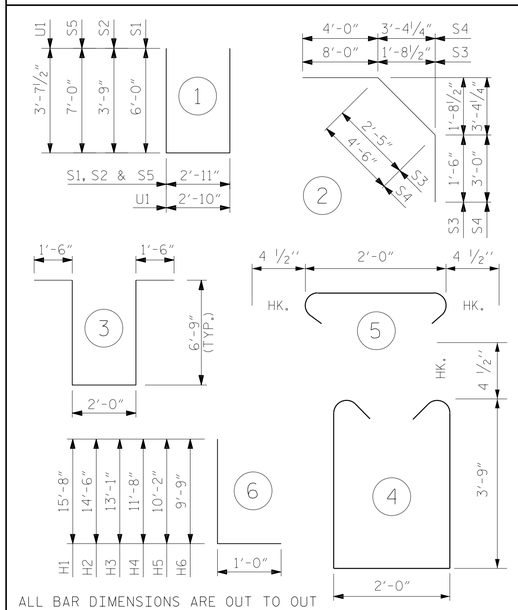
NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT.

SPANS A, B & C

REINFORCING BAR SCHEDULE

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
✳A1	537	#5	STR	38'-10"	21750
A2	537	#5	STR	38'-10"	21750
✳B1	102	#4	STR	23'-4"	1590
B2	294	#5	STR	54'-0"	16559
✳B3	68	#7	STR	60'-0"	8340
✳B4	34	#7	STR	27'-3"	1894
✳B5	33	#7	STR	36'-0"	2428
✳B7	68	#4	STR	26'-0"	1181
✳B8	34	#7	STR	19'-9"	1373
✳B10	33	#7	STR	32'-3"	2175
✳B11	68	#4	STR	25'-3"	1147
✳B12	33	#7	STR	20'-0"	1349
✳B13	33	#7	STR	15'-0"	1012
H1	6	#6	6	16'-8"	150
H2	2	#6	6	15'-6"	47
H3	2	#6	6	14'-1"	42
H4	2	#6	6	12'-8"	38
H5	2	#6	6	11'-2"	34
H6	2	#6	6	9'-9"	29
K1	14	#5	STR	46'-2"	674
K2	30	#5	STR	9'-4"	292
K3	6	#5	STR	7'-9"	48
K4	6	#5	STR	6'-4"	40
K5	20	#5	STR	3'-3"	68
K6	4	#5	STR	2'-5"	10
K7	4	#5	STR	1'-9"	7
✳K8	8	#5	STR	3'-8"	31
✳K9	8	#5	STR	4'-11"	41
K10	28	#4	STR	16'-9"	313
K11	12	#4	STR	6'-10"	55
K12	60	#4	STR	9'-4"	374
K13	12	#4	STR	6'-8"	53
S1	60	#5	1	14'-11"	933
S2	16	#5	1	10'-5"	174
✳S3	56	#4	2	11'-11"	446
✳S4	56	#4	2	11'-6"	430
✳S5	16	#5	1	16'-11"	282
S6	336	#4	5	2'-9"	617
U1	16	#5	1	10'-3"	171
✳U2	48	#4	3	18'-6"	593
U3	12	#4	4	10'-3"	82
V1	32	#5	STR	7'-1"	192
V2	4	#5	STR	6'-11"	29
V3	4	#5	STR	6'-4"	26
V4	4	#5	STR	5'-7"	23
V5	4	#5	STR	4'-11"	21
V6	4	#5	STR	4'-3"	18
V7	4	#5	STR	3'-7"	15
V8	4	#5	STR	2'-11"	12
V9	4	#5	STR	2'-3"	9
D1	8	#4	STR	3'-0"	16

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	✳EPOXY COATED REINFORCING STEEL (LBS.)
TOTAL✳✳	501.3	42,921	46,062

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"			

✳✳ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. R-2519B

YANCEY/MITCHELL COUNTY

STATION: 122+22.50 -L-

NORTH CAROLINA PROFESSIONAL SEAL 18442 ENGINEER RICHARD LEON BOLLINGER, JR.

Digitally signed by Richard L Bollinger
Date: 2014.08.26 16:10:36 -04'00'

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

SUPERSTRUCTURE BILL OF MATERIAL

RIGHT LANE

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

SHEET NO. S-117

TOTAL SHEETS 194

DWG. No. 063

DRAWN BY :	MKO	DATE :	04/2013
CHECKED BY :	JMR	DATE :	05/2013
DESIGN ENGINEER OF RECORD :	JMR	DATE :	05/2013