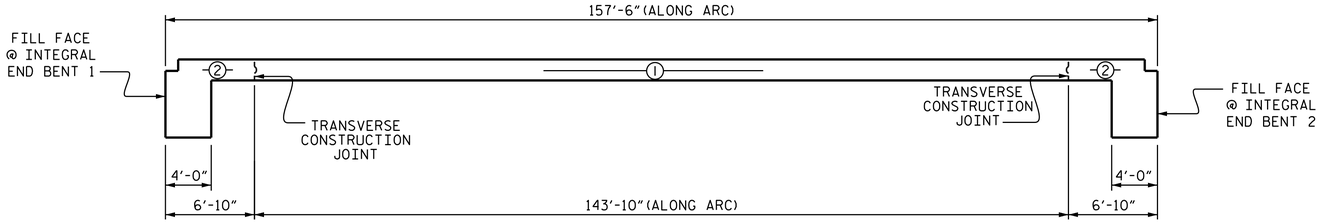
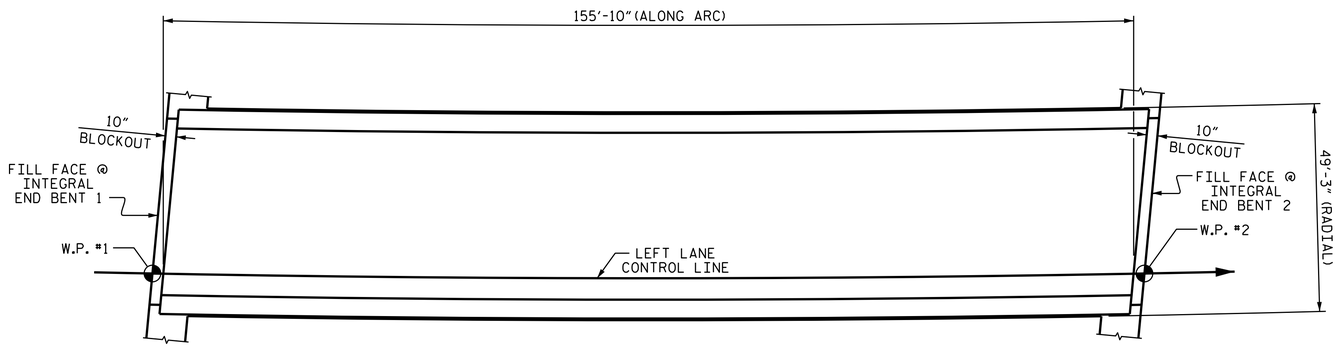


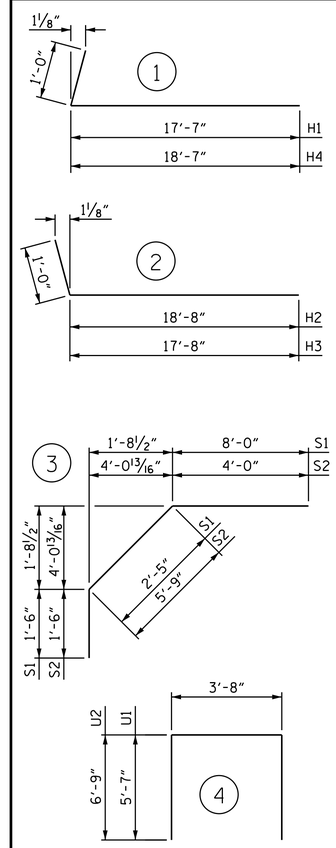
POURING SEQUENCE

UPPER PORTION OF END BENT WINGS ARE INCLUDED IN POUR #2.



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 7,675)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	330	#5	STR	48'-11"	16837
A2	330	#5	STR	48'-11"	16837
✱ A101	2	#5	STR	44'-6"	93
✱ A102	2	#5	STR	39'-7"	83
✱ A103	2	#5	STR	34'-9"	72
✱ A104	2	#5	STR	29'-11"	62
✱ A105	2	#5	STR	25'-1"	52
✱ A106	2	#5	STR	20'-3"	42
✱ A107	2	#5	STR	15'-4"	32
✱ A108	2	#5	STR	10'-6"	22
✱ A109	2	#5	STR	5'-8"	12
A201	2	#5	STR	44'-6"	93
A202	2	#5	STR	39'-7"	83
A203	2	#5	STR	34'-9"	72
A204	2	#5	STR	29'-11"	62
A205	2	#5	STR	25'-1"	52
A206	2	#5	STR	20'-3"	42
A207	2	#5	STR	15'-4"	32
A208	2	#5	STR	10'-6"	22
A209	2	#5	STR	5'-8"	12
✱ B1	136	#4	STR	25'-6"	2317
✱ B2	258	#5	STR	31'-10"	8566
B3	180	#5	STR	53'-4"	10013
✱ G1	2	#5	STR	49'-1"	102
H1	28	#6	1	18'-7"	782
H2	28	#6	2	19'-8"	827
H3	28	#6	2	18'-8"	785
H4	28	#6	1	19'-7"	824
K1	48	#4	STR	28'-11"	927
K2	20	#4	STR	3'-0"	40
✱ S1	84	#4	3	11'-11"	669
✱ S2	80	#4	3	11'-3"	601
U1	84	#4	4	14'-10"	832
U2	12	#4	4	17'-2"	138

REINFORCING STEEL LBS. 32,475
✱ EPOXY COATED REINFORCING STEEL LBS. 29,562

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"			

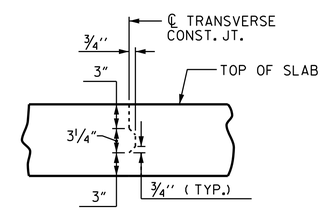
SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU.YDS.)	(LBS.)	(LBS.)
POUR 1	236.1	———	———
POUR 2	134.6	———	———
TOTALS✱✱	370.7	32,475	29,562

✱✱QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

BRIDGE DECK	6,685	SQ.FT.
APPROACH SLABS	2,076	SQ.FT.
TOTAL	8,761	SQ.FT.



TRANSVERSE CONSTRUCTION JOINT DETAIL

REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THROUGH JOINT.

PROJECT NO. R-4903
BLADEN COUNTY
STATION: 46+73.19 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

(LEFT LANE)

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

DocuSigned by: D. André Davenport, Jr. 895DC284F664E0... 10/28/2014

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-52
1			3			TOTAL SHEETS
2			4			92

STR. #2

DRAWN BY : K.D. LAYNE DATE : 8-22-12
CHECKED BY : M. K. BEARD DATE : 10-15-12
DESIGN ENGINEER OF RECORD: T. M. GARRISON DATE : 04/12/13

28-OCT-2014 09:03
R:\Structures\Plans\Str#2\R4903_sd_BM_02.dgn
dadavenport