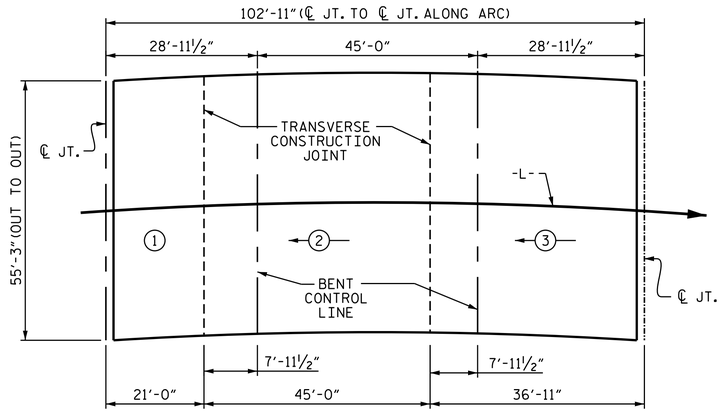
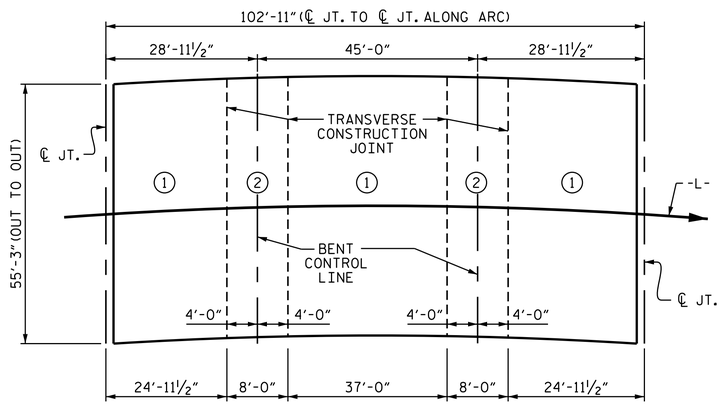


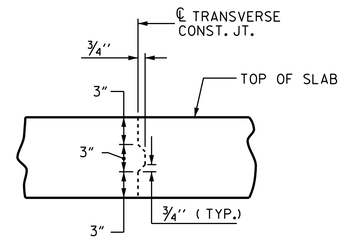
POURING SEQUENCE

← ○ — 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 THROUGH JOINT

REINFORCING BAR SCHEDULE

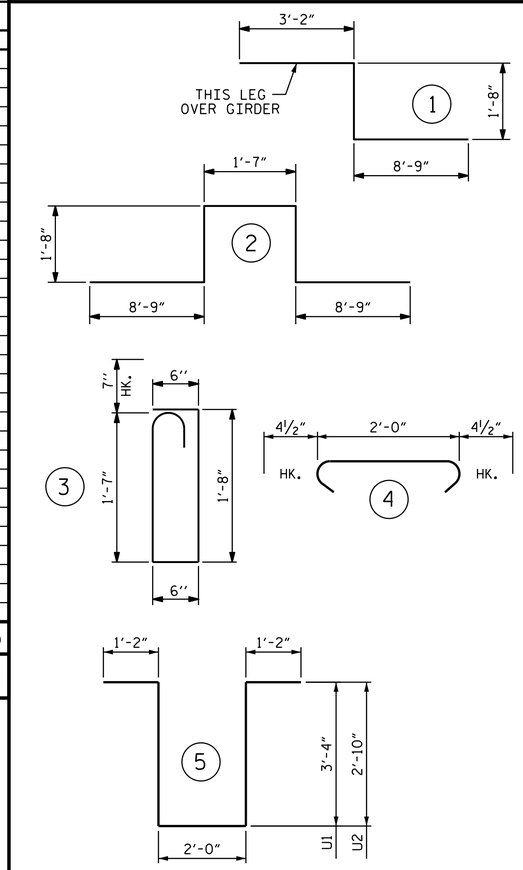
SPANS A, B & C

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	224	#5	STR	54'-11"	12830
A2	224	#5	STR	54'-11"	12830
* B1	146	#5	STR	32'-6"	4949
* B2	146	#5	STR	11'-3"	1713
* B3	76	#4	STR	16'-9"	850
* B4	38	#4	STR	12'-0"	305
B5	228	#5	STR	35'-8"	8482
* G1	2	#5	STR	54'-11"	115
* K1	8	#8	1	13'-7"	290
* K2	16	#8	2	22'-5"	958
K3	12	#4	STR	26'-2"	210
K4	40	#4	STR	9'-2"	245
K5	20	#4	STR	7'-0"	94
* S1	90	#5	3	4'-10"	454
S2	180	#4	4	2'-9"	331
U1	70	#4	5	11'-0"	514
U2	20	#4	5	10'-0"	134

REINFORCING STEEL LBS. 22,840

* EPOXY COATED REINFORCING STEEL LBS. 22,464

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

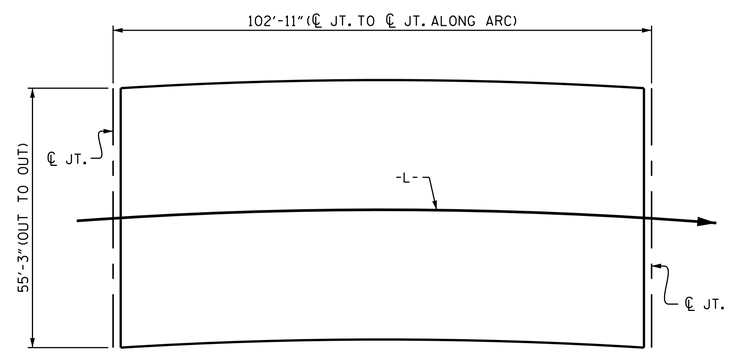
SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	* EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	39.5		
POUR #2	93.8		
POUR #3	79.8		
TOTALS**	213.1	22,840	22,464

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

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. = 5,686)

GROOVING BRIDGE FLOORS

APPROACH SLABS	2,324	SQ.FT.
BRIDGE DECK	4,978	SQ.FT.
TOTAL	7,302	SQ.FT.

PROJECT NO. R-4903

BLADEN COUNTY

STATION: 67+16.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

SUPERSTRUCTURE BILL OF MATERIAL

NORTH CAROLINA PROFESSIONAL SEAL 10730 ENGINEER D. ANDRE DAVENPORT, JR.
DocuSigned by: D. Andre Davenport, Jr.
B9DDC284F664495...
10/28/2014

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS
2			4			92

STR. #1 STD. NO. BOM2

ASSEMBLED BY : J.P. ADAMS DATE : 7/24/12
CHECKED BY : K.D. LAYNE DATE : 8/15/12

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:
B.N. GRADY DATE : 04/11/13

27-OCT-2014 09:23
R:\Structures\Plans\Str#1\R4903_SD_BM_01.dgn
dadavenport