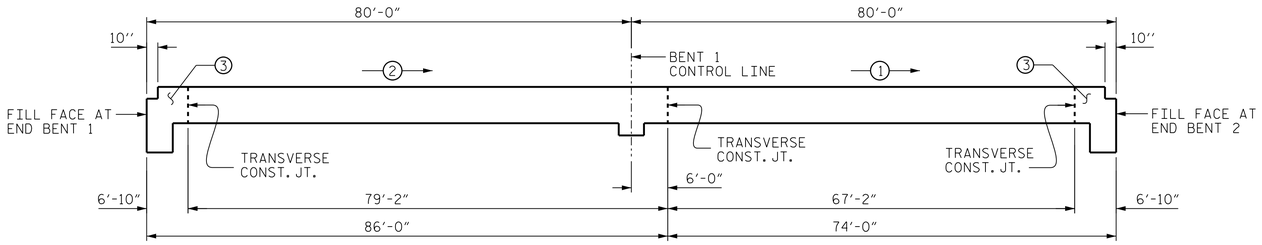
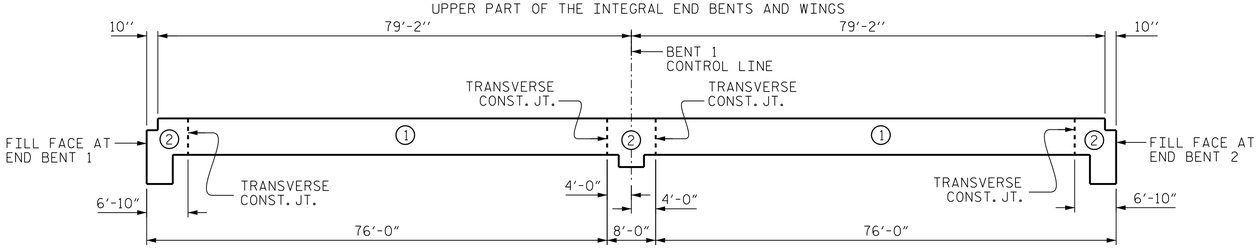


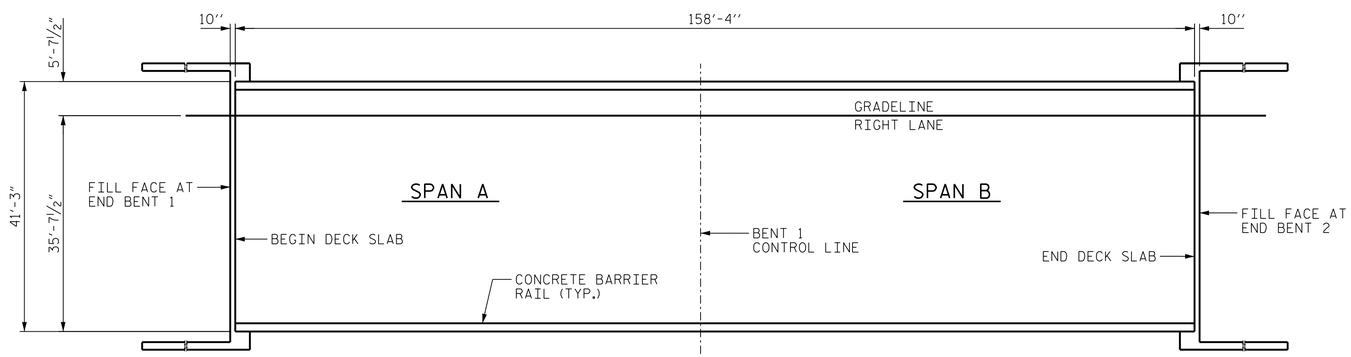
POURING SEQUENCE

POUR #3 INCLUDES 6'-10" SECTION OF THE BRIDGE DECK AND UPPER PART OF THE INTEGRAL END BENTS AND WINGS



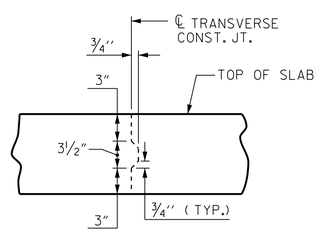
OPTIONAL POURING SEQUENCE

POUR ② CAN NOT BE STARTED UNTIL BOTH ADJACENT POUR ① REACH A MINIMUM OF 3000 PSI. AT END BENTS, POUR ② INCLUDES 6'-10" SECTION OF THE BRIDGE DECK AND UPPER PART OF INTEGRAL END BENTS AND WINGS.



LAYOUT FOR COMPUTING AREA
REINFORCED CONCRETE DECK SLAB

(6,531 SQ. FT.)



TRANSVERSE CONSTRUCTION JOINT DETAIL

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

REINFORCING BAR SCHEDULE

SPANS A & B

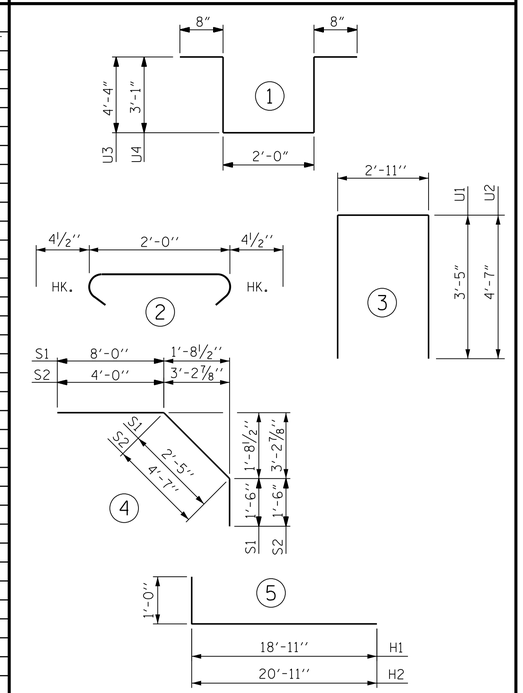
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	379	#5	STR	40'-11"	16174
A2	379	#5	STR	40'-11"	16174
✳ B1	218	#5	STR	16'-0"	3638
✳ B2	112	#4	STR	20'-0"	1496
✳ B3	28	#5	STR	58'-0"	1694
✳ B4	81	#5	STR	44'-0"	3717
B5	207	#5	STR	54'-2"	11695
H1	44	#6	5	19'-11'	1316
H2	44	#6	5	21'-11"	1448
K1	20	#4	STR	24'-4"	325
K2	6	#4	STR	9'-3"	37
K3	6	#4	STR	9'-10"	39
K4	12	#4	STR	10'-6"	84
K5	6	#4	STR	9'-9"	39
K6	4	#4	STR	5'-3"	14
K7	4	#4	STR	5'-6"	15
K8	8	#4	STR	5'-11"	32
K9	4	#4	STR	5'-6"	15
K10	16	#4	STR	2'-8"	29
K11	6	#4	STR	7'-11"	32
K12	6	#4	STR	9'-10"	39
K13	6	#4	STR	10'-6"	42
K14	6	#4	STR	9'-9"	39
K15	8	#4	STR	18'-2"	97
✳ S1	72	#4	4	11'-11"	573
✳ S2	68	#4	4	10'-1"	458
S3	90	#4	2	2'-9"	165
U1	72	#4	3	9'-9"	469
U2	12	#4	3	12'-1"	97
✳ U3	24	#4	1	12'-0"	192
✳ U4	6	#4	1	9'-6"	38
V1	72	#5	STR	4'-11"	369
V2	80	#5	STR	5'-0"	417

REINFORCING STEEL = 33028
✳ EPOXY COATED REINF. STEEL = 27980

GROOVING BRIDGE FLOORS

BRIDGE DECK	5542	SQ.FT.
APPROACH SLABS	1703	SQ.FT.
TOTAL	7245	SQ.FT.

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	93.5	33028	27980
POUR 2	120.4		
POUR 3	74.2		
TOTALS	288.1	33028	27980

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"			

PROJECT NO. R-2514B
ONSLOW COUNTY
STATION: 147+95.00 -L-

NORTH CAROLINA PROFESSIONAL SEAL 036321 ENGINEER ROBERT F. DECOLA
1/27/2015
DocuSigned by: Robert F DeCola
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE BILL OF MATERIAL
(RIGHT LANE)

The LOUIS BERGER GROUP, Inc.
1001 Wade Avenue, Suite 400
Raleigh, NC 27605-3322
NC COA No. F-0840

REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	S3-21
1			3			TOTAL SHEETS	34
2			4				

DRAWN BY :	J. MYA	DATE :	02/14
CHECKED BY :	R. DECOLA	DATE :	05/14
DESIGN ENGINEER OF RECORD :	R. DECOLA	DATE :	10/14

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1/27/2015 8:37:00 AM CKE_R2514B_PDF_full.pltcfg R2514B_str.tbl

STR. #3