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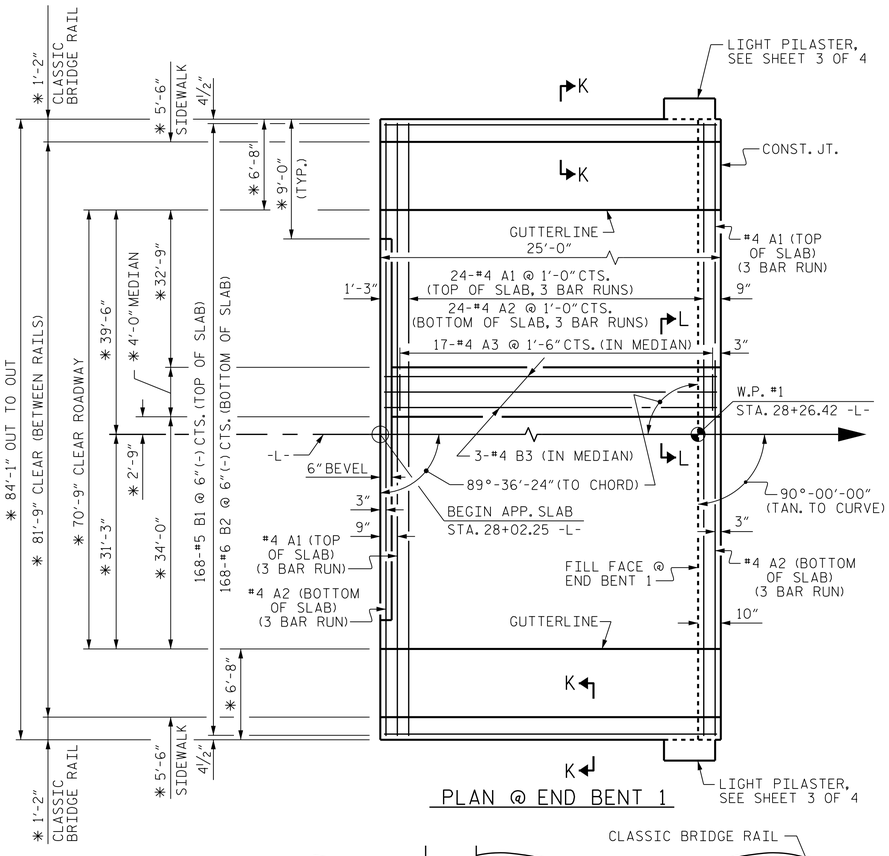
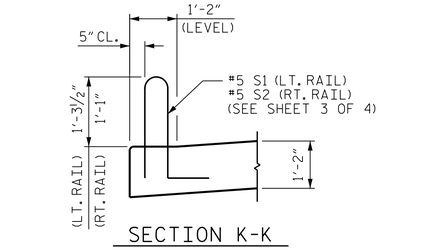
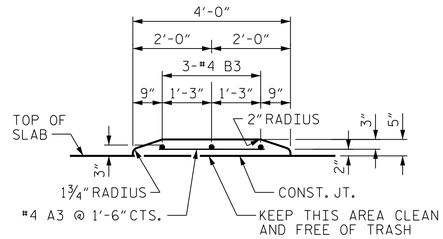


PLAN @ END BENT 1



SECTION K-K



SECTION L-L

NOTES

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR REINFORCED BRIDGE APPROACH FILL FABRIC WALL INCLUDING GEOTEXTILE, IMPERMEABLE GEOMEMBRANE, 4" Ø DRAINAGE PIPE, #78M STONE, WELDED WIRE FORM, AND SELECT MATERIAL, SEE ROADWAY PLANS.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

THE JOINT OPENING AT THE APPROACH SLAB/DECK INTERFACE SHALL BE SAWED NO MORE THAN 12 HOURS AFTER THE APPROACH SLAB IS CAST. THE JOINT SHALL BE CLEANED OF ALL DEBRIS BEFORE THE SEALANT IS APPLIED. THE JOINT SEALER MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1028-3 OF THE STANDARD SPECIFICATIONS.

GROOVED CONTRACTION JOINTS ½" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF SIDEWALK AND CONCRETE MEDIAN IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINTS SHALL BE LOCATED AT A SPACING OF 8 FEET TO 10 FEET.

THE SIDEWALK AND CONCRETE MEDIAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE APPROACH SLAB HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

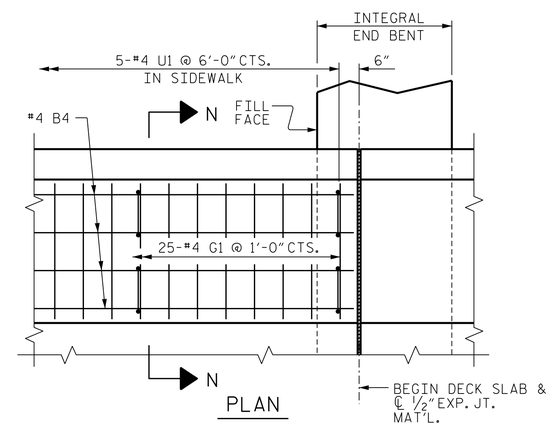
SIDEWALK AND CONCRETE MEDIAN ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR "BRIDGE APPROACH SLAB".

ALL REINFORCING STEEL IN SIDEWALK AND CONCRETE MEDIAN SHALL BE EPOXY COATED.

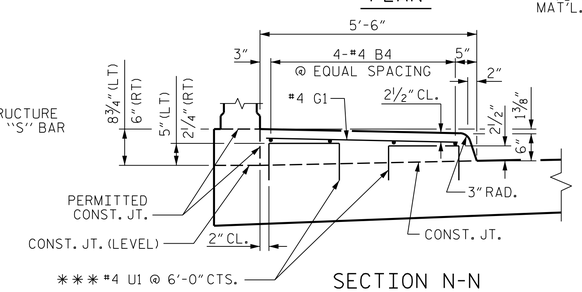
SIDEWALK AND CLASSIC CONCRETE BRIDGE RAIL ON APPROACH SLAB SHALL BE POURED IN STAGE III.

✱ RADIAL DIMENSIONS

NOTE: ARC OFFSETS ARE NEGLIGIBLE.



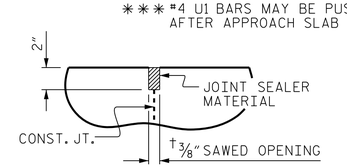
PLAN



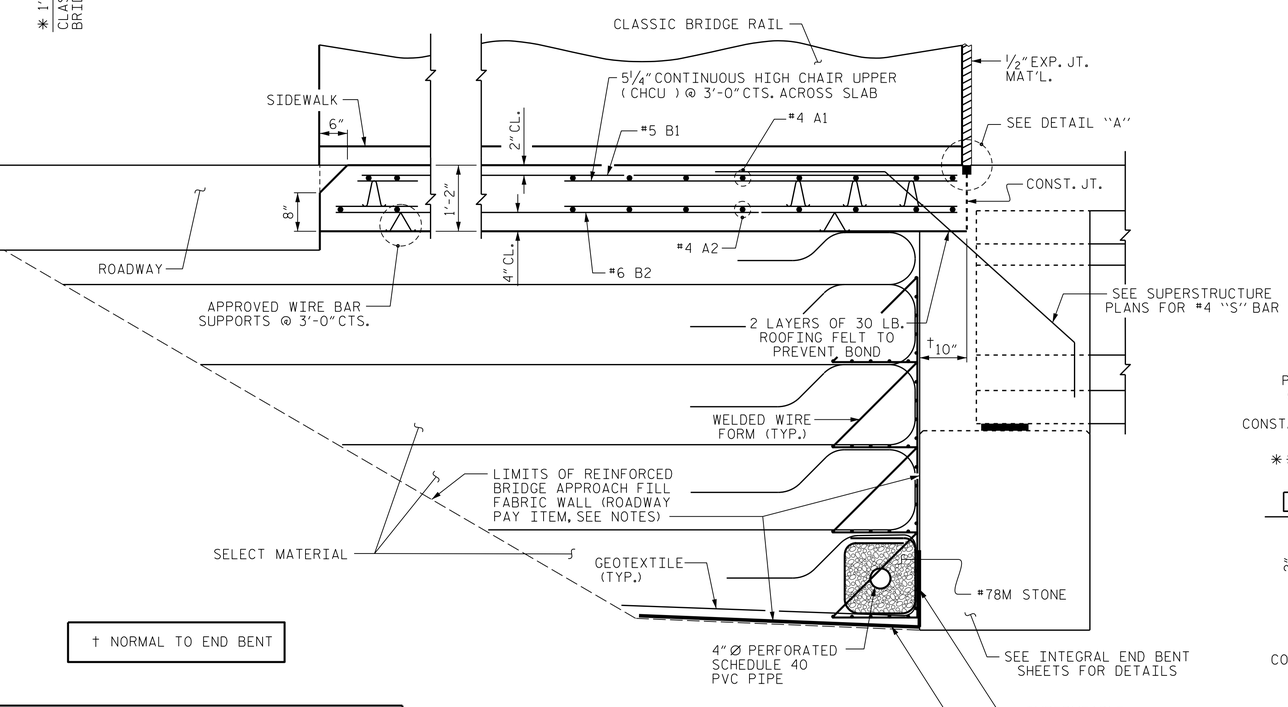
SECTION N-N

DETAILS OF SIDEWALK ON APPROACH SLAB

✱✱✱ #4 U1 BARS MAY BE PUSHED INTO GREEN CONCRETE AFTER APPROACH SLAB HAS BEEN SCREEDED OFF.



DETAIL "A"



† NORMAL TO END BENT

SECTION THRU SLAB

BILL OF MATERIAL

APPROACH SLAB AT EB 1

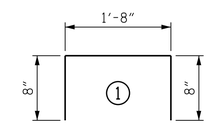
STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	78	#4	STR	29'-3"	1524
A2	78	#4	STR	29'-1"	1515
✱ A3	17	#4	STR	2'-8"	30
✱ B1	168	#5	STR	24'-2"	4235
B2	168	#6	STR	24'-8"	6224
✱ B3	3	#4	STR	24'-2"	48
✱ U1	20	#4	1	3'-0"	40
.	.	.	.	.	.
REINFORCING STEEL				LBS.	7,739
✱ EPOXY COATED . REINFORCING STEEL				LBS.	5,877
CLASS AA CONCRETE					
POUR 1 APPROACH SLAB				C.Y.	90.6
POUR 2 CONCRETE MEDIAN				C.Y.	1.4
TOTAL				C.Y.	92.0

STAGE III

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ B4	8	#4	STR	24'-8"	132
.	.	.	.	.	.
✱ G1	50	#4	STR	5'-0"	167
✱ EPOXY COATED . REINFORCING STEEL				LBS.	299
CLASS AA CONCRETE				C.Y.	7.0

BAR TYPE



ALL BAR DIMENSIONS ARE OUT TO OUT

✱✱ QUANTITIES FOR CLASSIC BRIDGE RAIL ARE NOT INCLUDED. SEE SHEET 3 OF 4.

CONCRETE QUANTITY FOR SIDEWALK INCLUDES VOLUME UNDER RAIL.

SPLICE LENGTHS

BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"

PROJECT NO. B-4565

LENOIR COUNTY

STATION: 29+57.00 -L-

SHEET 1 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB FOR FLEXIBLE PAVEMENT

NORTH CAROLINA PROFESSIONAL SEAL 041343 ENGINEER GREGORY R. COLS
11/13/2014

DRAWN BY : B.E. ATKINSON DATE : 08/14
CHECKED BY : G.R. COLS DATE : 09/14
DESIGN ENGINEER OF RECORD : G.R. COLS DATE : 10/14

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		S-114
1			3				TOTAL SHEETS
2			4				118

11/13/2014
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