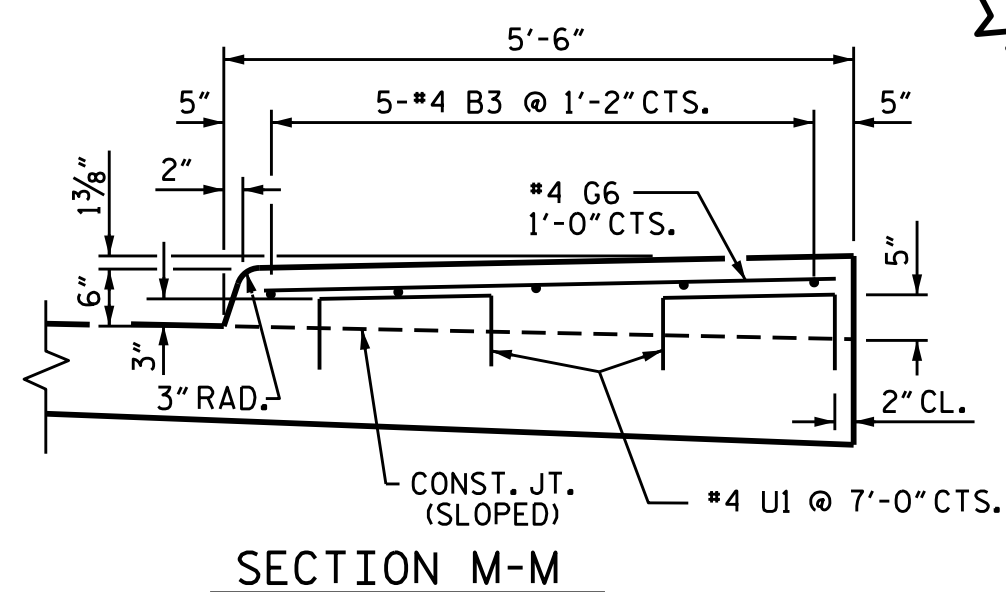


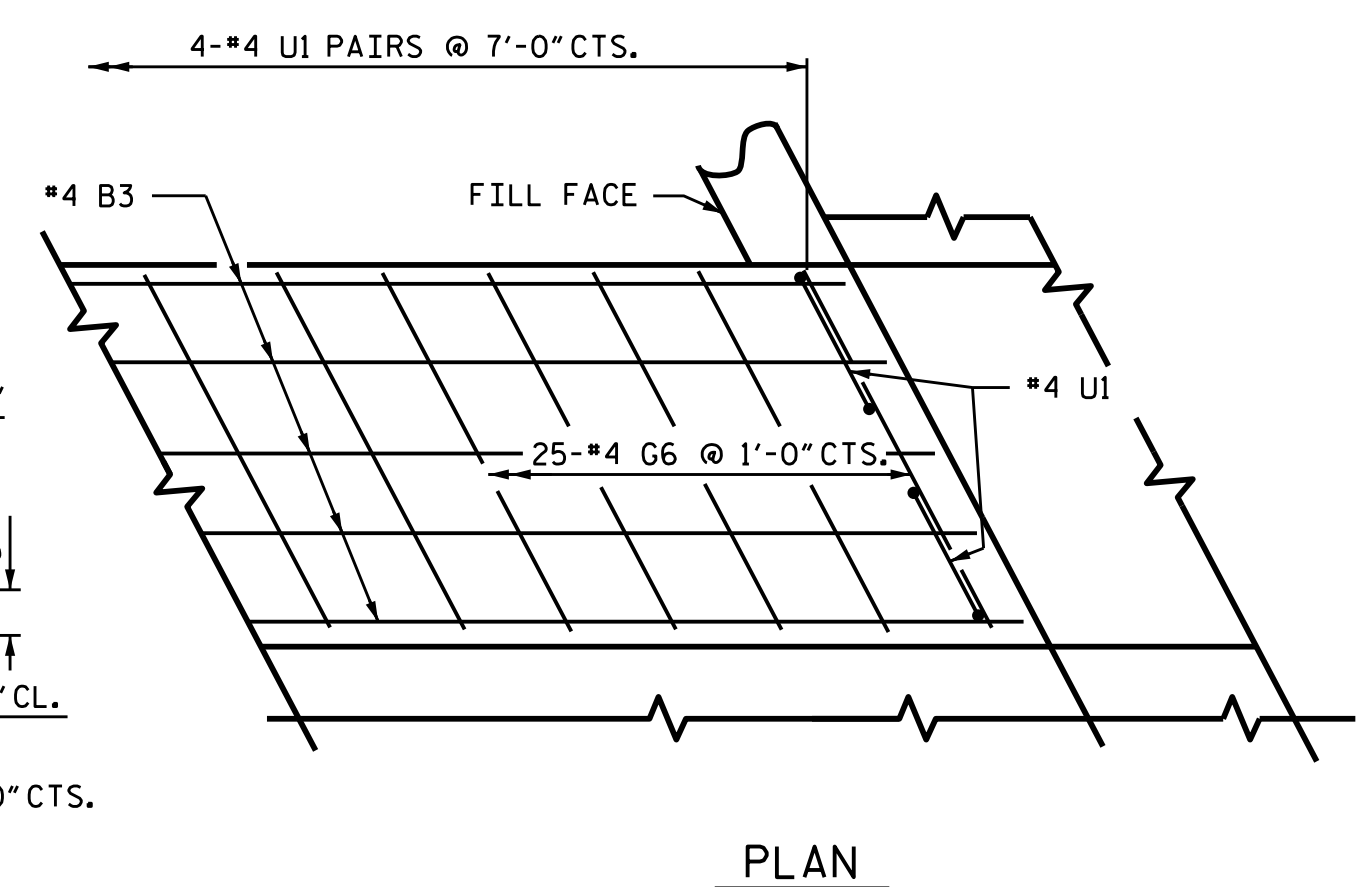
PLAN @ END BENT 1

PLAN @ END BENT 2

DIMENSIONS SHOWN ARE TYPICAL FOR BOTH APPROACH SLABS.  
 FOR REINFORCING STEEL IN SIDEWALK, SEE "SIDEWALK DETAILS".  
 #4 A1 & #4 A2 TO EXTEND 2'-0" INTO STAGE II.  
 #4 A3 & #4 A4 TO EXTEND 2'-0" INTO STAGE III.



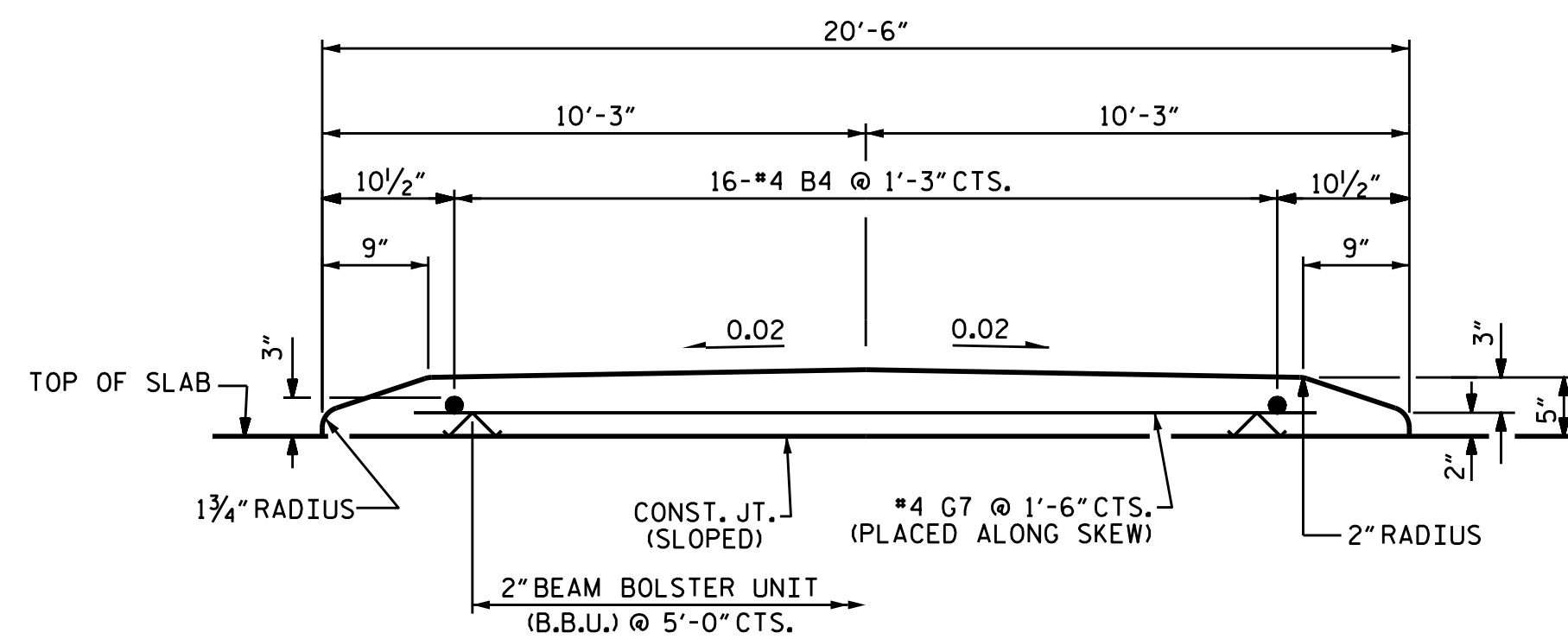
SECTION M-M



PLAN

SIDEWALK DETAILS

BEGIN APPROACH SLAB SHOWN, END APPROACH SLAB SIMILAR.  
 RIGHT SIDEWALK SHOWN, LEFT SIDEWALK SIMILAR.  
 FOR COVER PLATE DETAILS, SEE "EXPANSION JOINT SEAL DETAILS" SHEET.



SECTION THROUGH MONOLITHIC CONCRETE ISLAND

STAGE IV  
 SEE "SECTION THROUGH ISLAND AT END BENTS" ON "SIDEWALK AND MONOLITHIC CONCRETE ISLAND DETAILS" SHEET FOR JOINT DETAILS BETWEEN APPROACH SLAB AND BRIDGE.

BAR TYPE						
BAR DIMENSIONS ARE OUT TO OUT						
STAGE IV FOR ONE MONOLITHIC CONCRETE ISLAND (2 REQ'D)						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* B4	16	#4	STR	23'-11"	256	
* G7	16	#4	STR	21'-8"	232	
* EPOXY COATED REINFORCING STEEL					LBS.	488
CLASS AA CONCRETE					C.Y.	7.6

BILL OF MATERIAL						
STAGE I FOR ONE APPROACH SLAB (2 REQ'D)						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A1	50	#4	STR	25'-9"	860	
A2	52	#4	STR	25'-7"	889	
* B1	83	#5	STR	23'-9"	2056	
B2	83	#6	STR	24'-7"	3065	
* B3	5	#4	STR	24'-2"	81	
* G6	25	#4	STR	5'-8"	95	
* J1	42	#4	1	1'-5"	40	
* U1	8	#4	2	3'-4"	18	
REINFORCING STEEL					LBS.	3,954
* EPOXY COATED REINFORCING STEEL					LBS.	3,150
CLASS AA CONCRETE					C.Y.	45.0
POUR 1 - APP. SLAB					C.Y.	3.1
POUR 2 - SIDEWALK					C.Y.	48.1
TOTAL					C.Y.	48.1
STAGE II FOR ONE APPROACH SLAB (2 REQ'D)						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A3	50	#4	STR	19'-2"	640	
A4	52	#4	STR	19'-1"	663	
* B1	60	#5	STR	23'-9"	1486	
B2	60	#6	STR	24'-7"	2215	
* J1	34	#4	1	1'-5"	32	
REINFORCING STEEL					LBS.	2,878
* EPOXY COATED REINFORCING STEEL					LBS.	2,158
CLASS AA CONCRETE					C.Y.	32.5
POUR 1 - APP. SLAB					C.Y.	32.5
STAGE III FOR ONE APPROACH SLAB (2 REQ'D)						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A5	50	#4	STR	24'-7"	821	
A6	52	#4	STR	24'-5"	848	
* B1	83	#5	STR	23'-9"	2056	
B2	83	#6	STR	24'-7"	3065	
* B3	5	#4	STR	24'-2"	81	
* G6	25	#4	STR	5'-8"	95	
* J1	42	#4	1	1'-5"	40	
* U1	8	#4	2	3'-4"	18	
REINFORCING STEEL					LBS.	3,913
* EPOXY COATED REINFORCING STEEL					LBS.	3,111
CLASS AA CONCRETE					C.Y.	45.0
POUR 1 - APP. SLAB					C.Y.	3.1
POUR 2 - SIDEWALK					C.Y.	48.1
TOTAL					C.Y.	48.1

NOTES

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, IMPERMEABLE GEOMEMBRANE, 4" Ø DRAINAGE PIPE, 78M STONE, 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.

FOR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOoled IN ALL EXPOSED FACES OF THE SIDEWALK AND MONOLITHIC CONCRETE ISLAND 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. NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

FOR GALVANIZED REINFORCING STRAPS AND BACKFILL MATERIAL, SEE MSE RETAINING WALL PLANS AND SPECIAL PROVISIONS.

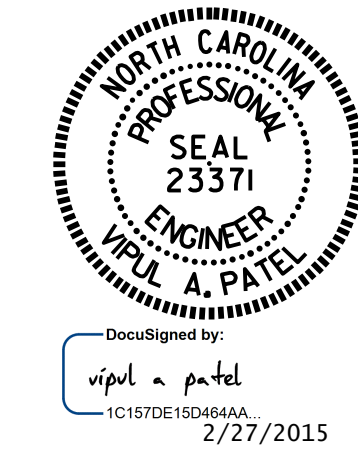
THE QUANTITY OF #4 J1 BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. J1 BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT, IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF J1 BARS SPECIFIED, ADDITIONAL J1 BARS WILL NOT BE REQUIRED.

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

PROJECT NO. B-5136  
CABARRUS COUNTY  
 STATION: 21+74.91 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA					
DEPARTMENT OF TRANSPORTATION					
RALEIGH					
STANDARD					
BRIDGE APPROACH SLAB					
FOR FLEXIBLE PAVEMENT					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO. <u>S-74</u>					
TOTAL SHEETS <u>75</u>					



ASSEMBLED BY : N.D'AIUTO DATE : 7/16/14  
 CHECKED BY : T.H.CARROLL DATE : 10/29/14  
 DRAWN BY : MAA 11/11  
 CHECKED BY : AAC 11/11