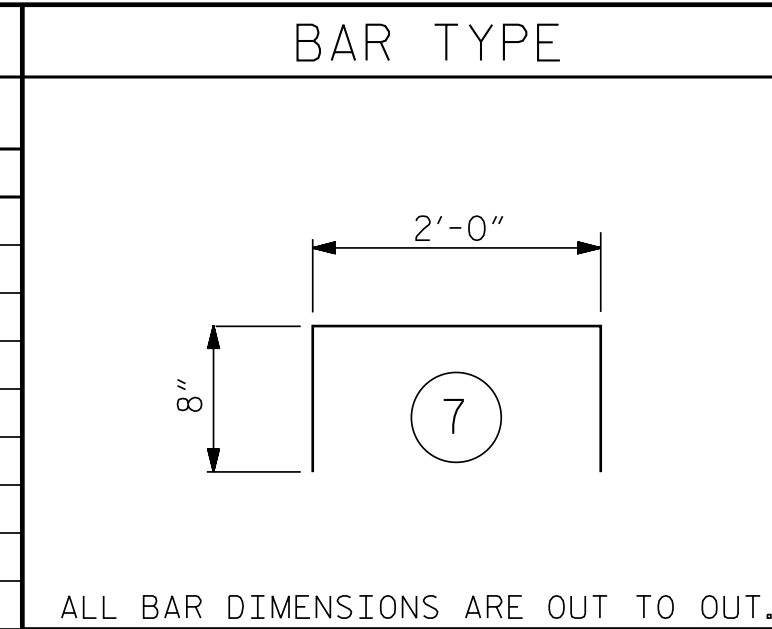


SECTION THRU SLAB  
(TYPE I - STANDARD APPROACH FILL)

BILL OF MATERIAL					
APPR. SLAB @ EB1-STAGE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	52	#4	STR	28'-2"	978
A2	52	#4	STR	27'-11"	970
* B1	94	#5	STR	24'-2"	2369
B2	94	#6	STR	24'-8"	3483
* B11	6	#4	STR	24'-8"	99
* B12	3	#4	STR	23'-6"	47
* G1	25	#4	STR	5'-8"	95
* G2	17	#4	STR	2'-11"	33
* U1	8	#4	7	3'-4"	18
REINFORCING STEEL					4,452 LBS.
* EPOXY COATED REINFORCING STEEL					3,639 LBS.
CLASS AA CONCRETE BREAKDOWN					
POUR 1: APPROACH SLAB					51.1 C.Y.
POUR 2: SIDEWALK, MEDIAN					4.5 C.Y.
STAGE I CLASS AA CONCRETE					55.6 C.Y.
APPR. SLAB @ EB1-STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A3	52	#4	STR	24'-9"	860
A4	52	#4	STR	24'-7"	854
* B1	86	#5	STR	24'-2"	2168
B2	86	#6	STR	24'-8"	3186
* B11	6	#4	STR	24'-8"	99
* G1	25	#4	STR	5'-8"	95
* U1	8	#4	7	3'-4"	18
REINFORCING STEEL					4,040 LBS.
* EPOXY COATED REINFORCING STEEL					3,240 LBS.
CLASS AA CONCRETE BREAKDOWN					
POUR 1: APPROACH SLAB					46.9 C.Y.
POUR 2: SIDEWALK					3.1 C.Y.
STAGE II CLASS AA CONCRETE					50.0 C.Y.
TOTAL CLASS AA CONCRETE					105.7 C.Y.



ALL BAR DIMENSIONS ARE OUT TO OUT.

SPlice LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	1'-11"	1'-7"
#5	2'-5"	2'-0"
#6	3'-7"	2'-5"

BILL OF MATERIAL					
APPR. SLAB @ EB2-STAGE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	52	#4	STR	28'-2"	978
A2	52	#4	STR	27'-11"	970
* B1	94	#5	STR	24'-2"	2369
B2	94	#6	STR	24'-8"	3483
* B11	6	#4	STR	24'-8"	99
B12	3	#4	STR	23'-6"	47
* G1	25	#4	STR	5'-8"	95
* G2	17	#4	STR	2'-11"	33
* U1	8	#4	7	3'-4"	18
REINFORCING STEEL					4,452 LBS.
* EPOXY COATED REINFORCING STEEL					3,639 LBS.
CLASS AA CONCRETE BREAKDOWN					
POUR 1: APPROACH SLAB					51.1 C.Y.
POUR 2: SIDEWALK, MEDIAN					4.5 C.Y.
STAGE I CLASS AA CONCRETE					55.6 C.Y.
APPR. SLAB @ EB2-STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A3	52	#4	STR	24'-9"	860
A4	52	#4	STR	24'-7"	854
* B1	86	#5	STR	24'-2"	2168
B2	86	#6	STR	24'-8"	3186
* B11	6	#4	STR	24'-8"	99
* G1	25	#4	STR	5'-8"	95
* U1	8	#4	7	3'-4"	18
REINFORCING STEEL					4,040 LBS.
* EPOXY COATED REINFORCING STEEL					3,240 LBS.
CLASS AA CONCRETE BREAKDOWN					
POUR 1: APPROACH SLAB					46.9 C.Y.
POUR 2: SIDEWALK					3.1 C.Y.
STAGE II CLASS AA CONCRETE					50.0 C.Y.
TOTAL CLASS AA CONCRETE					105.7 C.Y.

NOTES

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

FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, 6" Ø DRAINAGE PIPE, AND SELECT MATERIAL BACKFILL, SEE ROADWAY PLANS.

GEOTEXTILE SHALL BE TYPE 1 IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SECTION 1056.

SELECT MATERIAL BACKFILL (CLASS V OR CLASS VI) SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 1016.

SELECT MATERIAL BACKFILL IS TO BE CONTINUOUS ALONG FILL FACE OF BACKWALL FROM OUTSIDE EDGE TO OUTSIDE EDGE OF APPROACH SLAB.

THE JOINT SHALL BE SAWED PRIOR TO THE CASTING OF THE SIDEWALKS, RAISED MEDIAN AND END POSTS.

FOR THE 6" Ø DRAINAGE PIPE OUTLET(S), SEE ROADWAY STANDARD DRAWINGS.

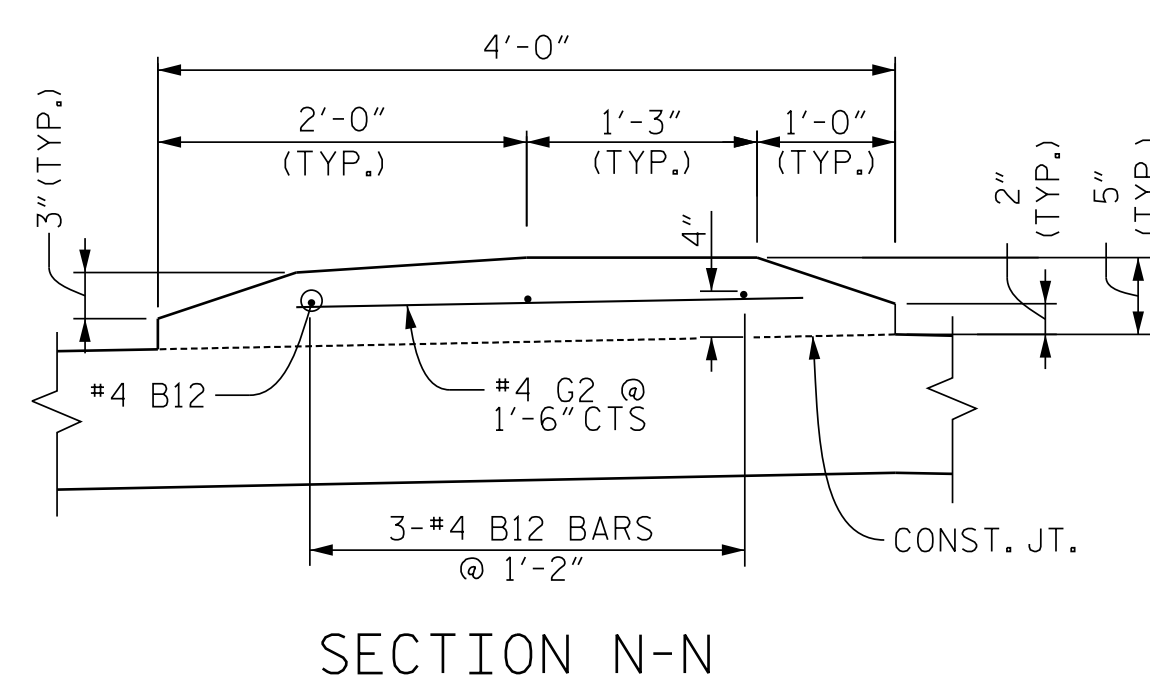
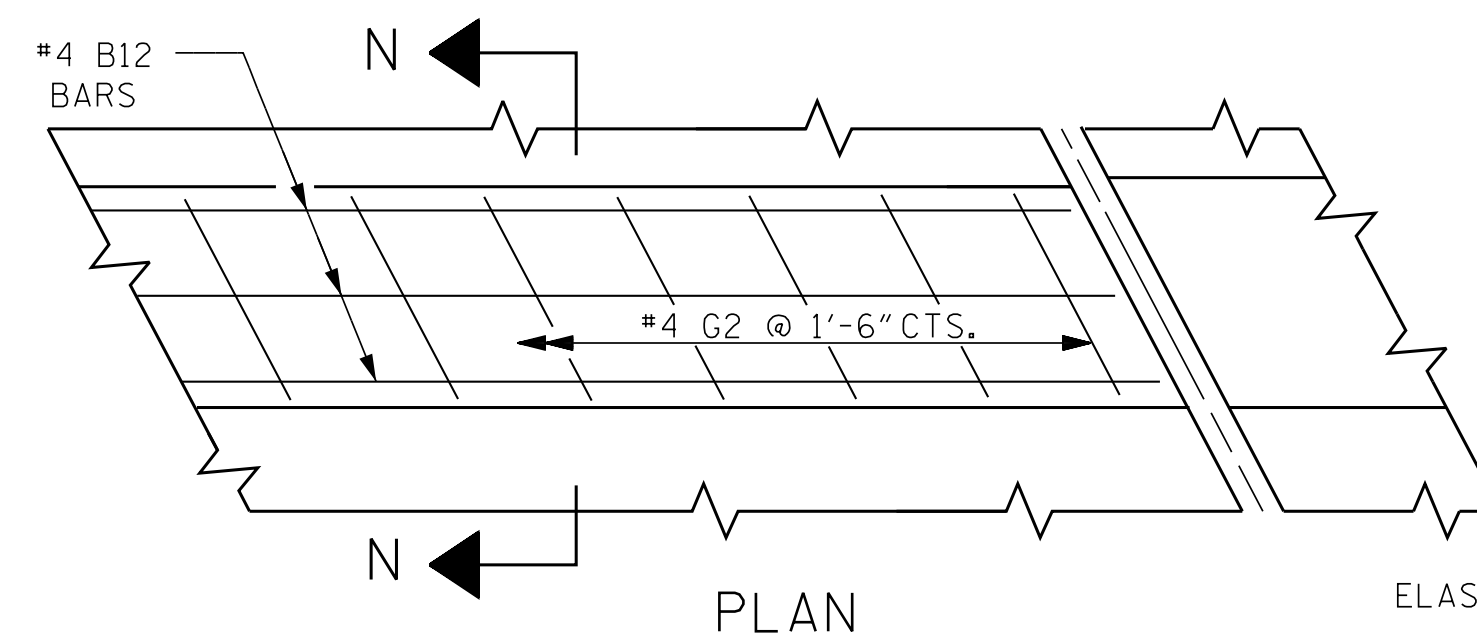
AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

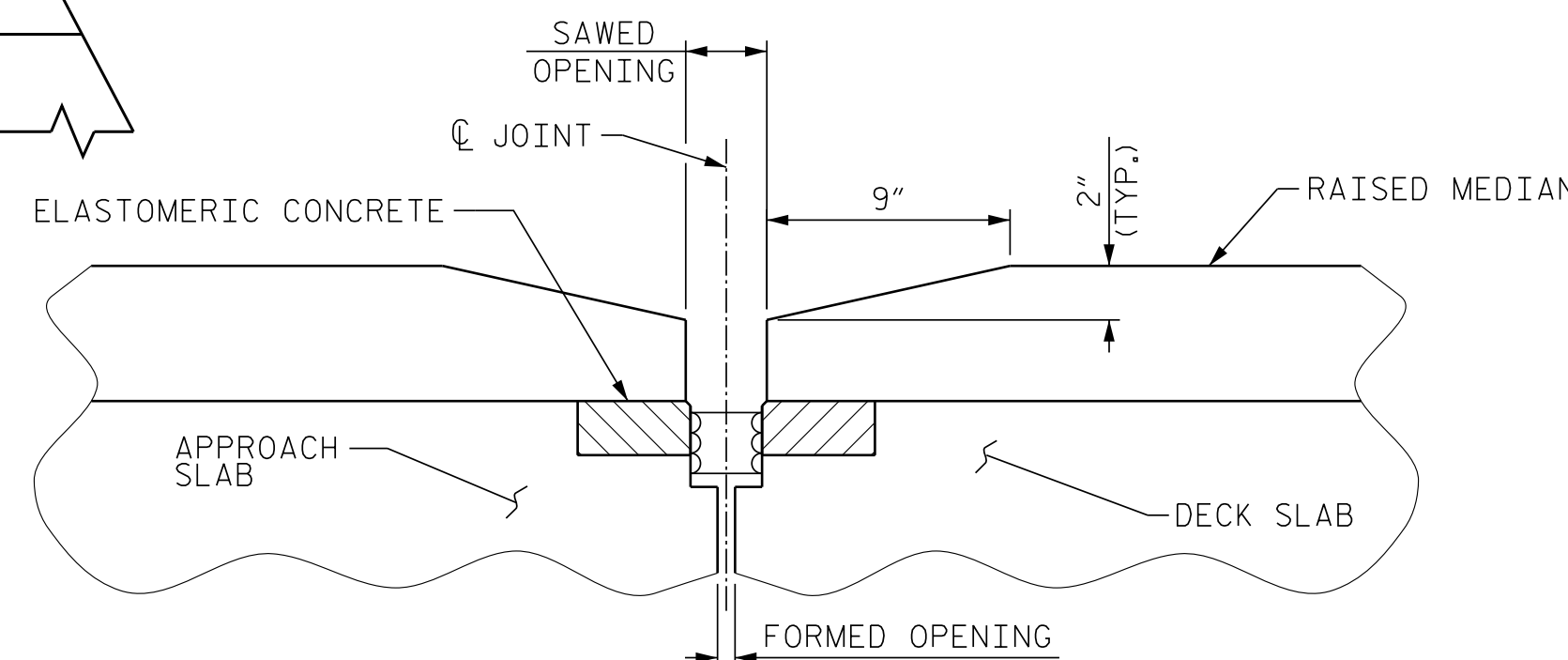
THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL SHALL BE 2" FOR BOTH END BENTS.

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE SIDEWALKS AND MEDIAN STRIP IN ACCORDANCE WITH ARTICLE 825-101(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINTS SHALL BE LOCATED AT A SPACING OF 8 FEET TO 10 FEET BETWEEN EXPANSION JOINTS. NO CONTRACTION JOINTS WILL BE REQUIRED FOR SEGMENTS LESS THAN 10 FEET IN LENGTH.



DETAILS OF MEDIAN ON APPROACH SLAB



SECTION THRU RAISED MEDIAN AT END BENTS  
END BENT 1 SHOWN, END BENT 2 SIMILAR

**V&M**  
Vaughn & Melton  
Consulting Engineers

Asheville, North Carolina  
828-253-2796

Boone, NC 828-355-9933  
Ft. Collins, IN 423-467-8401  
Knoxville, TN 865-546-5800  
Spartanburg, SC 864-574-4175  
Charleston, SC 843-974-5650  
Middlesboro, KY 606-249-6600  
Atlanta, GA 404-357-0488  
770-627-3509

Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved

PROJECT NO. U-5738

ROWAN COUNTY

STATION: 70+72.50 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
BRIDGE APPROACH SLAB  
FOR FLEXIBLE PAVEMENT



12/13/2021

ASSEMBLED BY : FRJ	DATE : 11/18
CHECKED BY : CDB	DATE : 11/18
DRAWN BY : EEM 3/95	REV. 6/13 MAA/GM
CHECKED BY : VAP 3/95	REV. 12/17 MAA/THC
	REV. 06/19 BNB/THC

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.  
S-39

TOTAL SHEETS  
39

STD. NO. BAS2