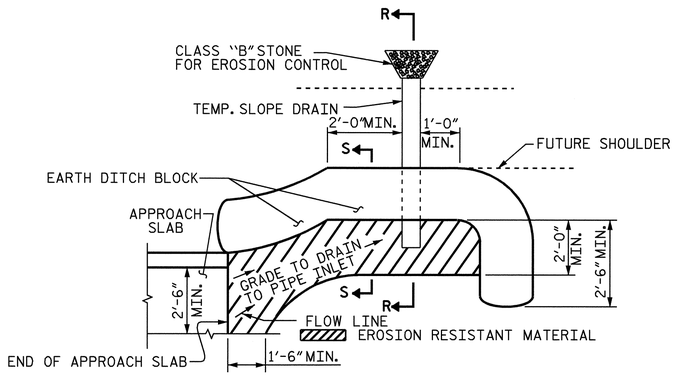
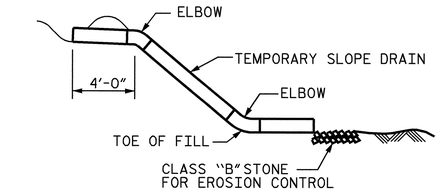
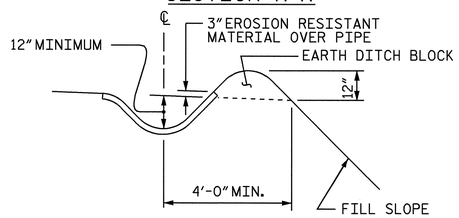


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER. THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

PLAN VIEW



SECTION R-R



SECTION S-S

TEMPORARY BERM AND SLOPE DRAIN DETAILS

1'-9" SPLICE FOR #4 A2
1'-9" SPLICE FOR #4 A5

NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLABS.

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

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

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 6" COMP. A.B.C. SHALL EXTEND 10'-0" BEYOND THE END OF THE APPROACH SLAB AND 1'-0" OUTSIDE OF EACH EDGE OF SLAB.

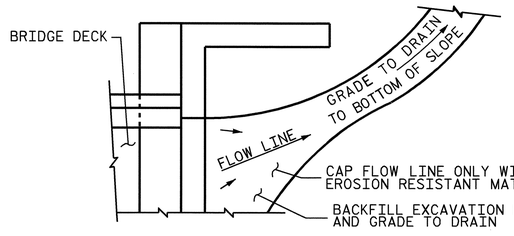
THE CONTRACTOR MAY USE 4" TYPE B-25.0B ASPHALT CONCRETE BASE COURSE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 1'-0" BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

THE CONTRACTOR MAY USE 5" CLASS "A" CONCRETE BASE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 1'-0" BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 30 LB ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.

FOR JOINT DETAILS, SEE "PRESTRESSED CONCRETE CORED SLAB UNIT" SHEETS.

THE JOINT AT THE END BENT SHALL BE SEALED AS SOON AS PRACTICAL AFTER THE CONSTRUCTION OF THE APPROACH SLABS.

APPROACH SLAB GROOVING IS NOT REQUIRED.



NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

TEMPORARY DRAINAGE DETAIL

BILL OF MATERIAL

APPROACH SLAB AT END BENT #1

BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	49	5	STR	31'-8"	1618
A2	100	4	STR	17'-1"	1141
✳ A11	1	5	STR	30'-7"	32
✳ A12	1	5	STR	29'-0"	30
✳ A13	1	5	STR	27'-5"	29
✳ A14	1	5	STR	25'-11"	27
✳ A15	1	5	STR	24'-4"	25
✳ A16	1	5	STR	22'-9"	24
✳ A17	1	5	STR	21'-3"	22
✳ A18	1	5	STR	19'-8"	21
✳ A19	1	5	STR	18'-1"	19
✳ A20	1	5	STR	16'-6"	17
✳ A21	1	5	STR	15'-0"	16
✳ A22	1	5	STR	13'-5"	14
✳ A23	1	5	STR	11'-10"	12
✳ A24	1	5	STR	10'-4"	11
✳ A25	1	5	STR	8'-9"	9
✳ A26	1	5	STR	7'-2"	7
✳ A27	1	5	STR	5'-8"	6
✳ A28	1	5	STR	4'-1"	4
✳ A29	1	5	STR	2'-6"	3
A30	1	4	STR	29'-0"	19
A31	1	4	STR	27'-5"	18
A32	1	4	STR	25'-11"	17
A33	1	4	STR	24'-4"	16
A34	1	4	STR	22'-9"	15
A35	1	4	STR	21'-3"	14
A36	1	4	STR	19'-8"	13
A37	1	4	STR	18'-1"	12
A38	1	4	STR	16'-6"	11
A39	1	4	STR	15'-0"	10
A40	1	4	STR	13'-5"	9
A41	1	4	STR	11'-10"	8
A42	1	4	STR	10'-4"	7
A43	1	4	STR	8'-9"	6
A44	1	4	STR	7'-2"	5
A45	1	4	STR	5'-8"	4
A46	1	4	STR	4'-1"	3
A47	1	4	STR	2'-6"	2

BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
✳ B1	4	6	STR	24'-1"	145
✳ B2	4	6	STR	24'-9"	149
✳ B3	4	6	STR	25'-5"	153
✳ B4	4	6	STR	26'-0"	156
✳ B5	4	6	STR	26'-8"	160
✳ B6	4	6	STR	27'-4"	164
✳ B7	4	6	STR	28'-0"	168
✳ B8	4	6	STR	28'-7"	172
✳ B9	4	6	STR	29'-3"	176
✳ B10	4	6	STR	29'-11"	180
✳ B11	4	6	STR	30'-7"	184
✳ B12	4	6	STR	31'-2"	187
✳ B13	4	6	STR	31-10"	191
✳ B14	4	6	STR	32'-6"	195
✳ B15	4	6	STR	33'-2"	199
✳ B16	4	6	STR	33'-10"	203
✳ B17	1	6	STR	34'-4"	52
B18	4	8	STR	24'-7"	263
B19	4	8	STR	25'-3"	270
B20	4	8	STR	25'-11"	277
B21	4	8	STR	26'-6"	283
B22	4	8	STR	27'-2"	290
B23	4	8	STR	27'-10"	297
B24	4	8	STR	28'-6"	304
B25	4	8	STR	29'-1"	311
B26	4	8	STR	29'-9"	318
B27	4	8	STR	30'-5"	325
B28	4	8	STR	31'-1"	332
B29	4	8	STR	31'-8"	338
B30	4	8	STR	32'-4"	345
B31	4	8	STR	33'-0"	352
B32	4	8	STR	33'-8"	360
B33	4	8	STR	34'-4"	367
B34	1	8	STR	34'-10"	93
✳ B35	1	5	3	6'-2"	6
✳ B36	7	5	STR	11'-8"	85
✳ B37	7	5	STR	11'-5"	83
✳ B38	1	5	3	6'-6"	7
✳ G1	1	5	STR	33'-0"	34
✳ S1	48	5	STR	3'-3"	163
✳ S2	48	5	1	4'-1"	204
✳ S3	20	5	2	2'-3"	47

REINFORCING STEEL	LBS.	6,455
✳ EPOXY COATED REINFORCING STEEL	LBS.	5,409

CLASS AA CONCRETE BREAKDOWN

POUR #1 SLAB & CURB	37.9 C.Y.
POUR #2 RAIL	1.3 C.Y.
CLASS AA CONCRETE	39.2 C.Y.

APPROACH SLAB AT END BENT #2

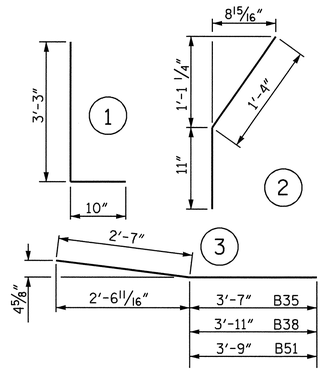
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
✳ A4	49	5	STR	32'-4"	1652
A5	98	4	STR	17'-1"	1118
✳ A51	1	5	STR	23'-9"	25
✳ A52	1	5	STR	12'-6"	13
A53	1	4	STR	23'-9"	16
A54	1	4	STR	12'-6"	8
✳ B41	15	6	STR	25'-3"	569
✳ B42	15	6	STR	24'-11"	561
✳ B43	15	6	STR	24'-7"	554
✳ B44	15	6	STR	24'-3"	546
✳ B45	7	6	STR	24'-1"	253
B46	15	8	STR	25'-9"	1031
B47	15	8	STR	25'-5"	1018
B48	15	8	STR	25'-1"	1005
B49	15	8	STR	24'-9"	991
B50	7	8	STR	24'-7"	459
B51	2	5	3	6'-4"	13
B52	14	5	STR	11'-7"	169
✳ G2	1	5	STR	33'-0"	34
✳ S1	48	5	STR	3'-3"	163
✳ S2	48	5	1	4'-1"	204
✳ S3	20	5	2	2'-3"	47

REINFORCING STEEL	LBS.	5,828
✳ EPOXY COATED REINFORCING STEEL	LBS.	4,621

CLASS AA CONCRETE BREAKDOWN

POUR #1 SLAB & CURB	33.2 C.Y.
POUR #2 RAIL	1.3 C.Y.
CLASS AA CONCRETE	34.5 C.Y.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

PROJECT NO. B-3914
TRANSYLVANIA COUNTY
STATION: 14+59.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
BRIDGE APPROACH SLAB DETAILS

1988

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18
1			3			TOTAL SHEETS
2			4			18

NORTH CAROLINA PROFESSIONAL SEAL 15779 ENGINEER JOHN R. DUGGINS, JR.
10/26/04

STD. NO. BAS10 STR. #1

ASSEMBLED BY : J. LAMBERT	DATE : 9/04	
CHECKED BY : D. HODGE	DATE : 10/04	
DRAWN BY : FCJ 11/88	REV. 8/16/99	MAB/LES
CHECKED BY : ARB 11/88	REV. 10/17/00	RWW/LES
	REV. 5/7/03	RWW/JTE

26-OCT-2004 08:25
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