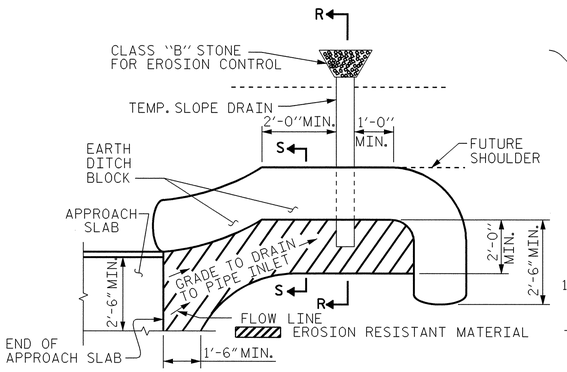
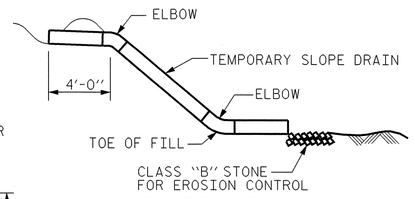
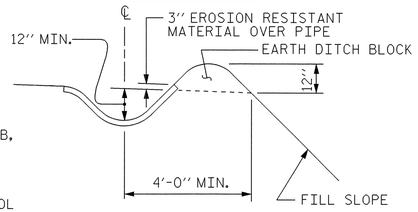




SECTION R-R



SECTION S-S

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

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRD)

NOTES

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 HB 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.

SUBDRAIN FINE AGGREGATE IS TO BE CONTINUOUS ALONG FILL FACE OF END BENT FROM OUTSIDE EDGE TO OUTSIDE EDGE OF APPROACH SLAB.

CURB ON APPROACH SLABS IN STAGE 1 CONSTRUCTION SHALL BE POURED AS PART OF STAGE 3 CONSTRUCTION.

BILL OF MATERIAL FOR APPROACH SLAB AT END BENT 1

STAGE 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	67	#5	STR	10'- 9"	751
✳ A101	2	#5	STR	9'- 6"	20
✳ A102	2	#5	STR	6'- 9"	14
✳ A103	2	#5	STR	4'- 0"	8
✳ A2	67	#4	STR	10'- 9"	481
✳ A201	2	#4	STR	9'- 6"	13
✳ A202	2	#4	STR	6'- 9"	9
✳ A203	2	#4	STR	4'- 0"	5
✳ B101	1	#6	STR.	37'- 4"	56
✳ B102	3	#6	STR.	36'-10"	166
✳ B103	3	#6	STR.	36'- 3"	163
✳ B104	3	#6	STR.	35'- 9"	161
✳ B105	3	#6	STR.	35'- 2"	158
✳ B106	3	#6	STR.	34'- 8"	156
✳ B107	3	#6	STR.	34'- 1"	154
✳ B108	3	#6	STR.	33'- 7"	151
✳ B201	1	#8	STR.	37'-11"	101
✳ B202	3	#8	STR.	37'- 4"	299
✳ B203	3	#8	STR.	36'- 9"	294
✳ B204	3	#8	STR.	36'- 3"	290
✳ B205	3	#8	STR.	35'- 8"	286
✳ B206	3	#8	STR.	35'- 2"	282
✳ B207	3	#8	STR.	34'- 7"	277
✳ B208	3	#8	STR.	34'- 1"	273
✳ D1	34	#5	STR.	3'- 0"	106
✳ G1	1	#5	STR.	11'- 4"	12

✳ EPOXY COATED REINFORCING STEEL	LBS.	4,686
CLASS AA CONCRETE	C. Y.	15.8

STAGE 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A3	49	#5	STR	25'- 9"	1,316
✳ A104	2	#5	STR	23'- 2"	48
✳ A105	2	#5	STR	20'- 5"	43
✳ A106	2	#5	STR	17'- 8"	37
✳ A107	2	#5	STR	14'-11"	31
✳ A108	2	#5	STR	12'- 2"	25
✳ A109	2	#5	STR	9'- 5"	20
✳ A110	2	#5	STR	6'- 8"	14
✳ A111	2	#5	STR	3'-11"	8

STAGE 2 CONTINUED

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A4	49	#4	STR.	25'- 9"	843
✳ A204	2	#4	STR.	23'- 2"	31
✳ A205	2	#4	STR.	20'- 5"	27
✳ A206	2	#4	STR.	17'- 8"	24
✳ A207	2	#4	STR.	14'-11"	20
✳ A208	2	#4	STR.	12'- 2"	16
✳ A209	2	#4	STR.	9'- 5"	13
✳ A210	2	#4	STR.	6'- 8"	9
✳ A211	2	#4	STR.	3'-11"	5
✳ B109	3	#6	STR	33'- 0"	149
✳ B110	3	#6	STR	32'- 7"	147
✳ B111	3	#6	STR	32'- 0"	144
✳ B112	3	#6	STR	31'- 6"	142
✳ B113	3	#6	STR	30'-11"	139
✳ B114	3	#6	STR	30'- 5"	137
✳ B115	3	#6	STR	29'-10"	134
✳ B116	3	#6	STR	29'- 3"	132
✳ B117	3	#6	STR	28'- 8"	129
✳ B118	3	#6	STR	28'- 1"	127
✳ B119	3	#6	STR.	27'- 7"	124
✳ B120	3	#6	STR.	27'- 0"	122
✳ B121	3	#6	STR.	26'- 6"	119
✳ B122	3	#6	STR.	25'-11"	117
✳ B123	3	#6	STR.	25'- 4"	114
✳ B124	3	#6	STR.	24'-10"	112
✳ B125	3	#6	STR.	24'- 3"	109
✳ B126	1	#6	STR.	24'- 1"	36
✳ B209	3	#8	STR	33'- 6"	268
✳ B210	3	#8	STR	33'- 1"	265
✳ B211	3	#8	STR	32'- 6"	260
✳ B212	3	#8	STR	32'- 0"	256
✳ B213	3	#8	STR	31'- 5"	252
✳ B214	3	#8	STR	30'-11"	248
✳ B215	3	#8	STR	30'- 4"	243
✳ B216	3	#8	STR	29'- 9"	238
✳ B217	3	#8	STR	29'- 2"	234
✳ B218	3	#8	STR	28'- 7"	229
✳ B219	3	#8	STR.	28'- 1"	225
✳ B220	3	#8	STR.	27'- 6"	220
✳ B221	3	#8	STR.	27'- 0"	216
✳ B222	3	#8	STR.	26'- 5"	212
✳ B223	3	#8	STR.	25'-10"	207
✳ B224	3	#8	STR.	25'- 4"	203
✳ B225	3	#8	STR.	24'- 9"	198
✳ B226	1	#8	STR.	24'- 7"	66
✳ G2	1	#5	STR.	27'- 3"	28

✳ EPOXY COATED REINFORCING STEEL	LBS.	8,831
CLASS AA CONCRETE	C. Y.	29.9

BILL OF MATERIAL FOR APPROACH SLAB AT END BENT 2

STAGE 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	49	#5	STR	10'- 9"	549
✳ A101	2	#5	STR	8'- 5"	18
✳ A102	2	#5	STR	5'-10"	12
✳ A103	2	#5	STR	3'- 3"	7
✳ A2	49	#4	STR	10'- 9"	352
✳ A201	2	#4	STR	8'- 5"	11
✳ A202	2	#4	STR	5'-10"	8
✳ A203	2	#4	STR	3'- 3"	4
✳ B101	1	#6	STR.	24'- 1"	36
✳ B102	3	#6	STR.	24'- 4"	110
✳ B103	3	#6	STR.	24'-11"	112
✳ B104	3	#6	STR.	25'- 6"	115
✳ B105	3	#6	STR.	26'- 1"	118
✳ B106	3	#6	STR.	26'- 8"	120
✳ B107	3	#6	STR.	27'- 3"	123
✳ B108	3	#6	STR.	27'-10"	125
✳ B201	1	#8	STR.	24'- 7"	66
✳ B202	3	#8	STR.	24'-10"	199
✳ B203	3	#8	STR.	25'- 5"	204
✳ B204	3	#8	STR.	26'- 0"	208
✳ B205	3	#8	STR.	26'- 7"	213
✳ B206	3	#8	STR.	27'- 2"	218
✳ B207	3	#8	STR.	27'- 9"	222
✳ B208	3	#8	STR.	28'- 4"	227
✳ D1	29	#5	STR.	3'- 0"	91
✳ G1	1	#5	STR.	11'- 4"	12

✳ EPOXY COATED REINFORCING STEEL	LBS.	3,480
CLASS AA CONCRETE	C. Y.	11.8

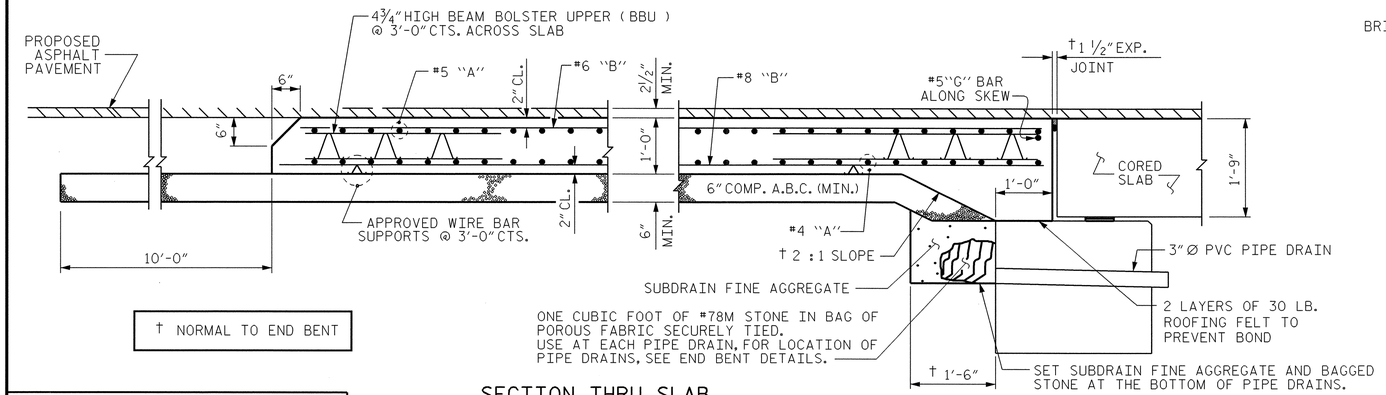
STAGE 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A3	57	#5	STR	25'- 9"	1,531
✳ A104	2	#5	STR	24'- 6"	51
✳ A105	2	#5	STR	22'- 0"	46
✳ A106	2	#5	STR	19'- 5"	41
✳ A107	2	#5	STR	16'-10"	35
✳ A108	2	#5	STR	14'- 4"	30
✳ A109	2	#5	STR	11'- 9"	25
✳ A110	2	#5	STR	9'- 3"	19
✳ A111	2	#5	STR	6'- 8"	14
✳ A112	2	#5	STR	4'- 2"	9

STAGE 2 CONTINUED

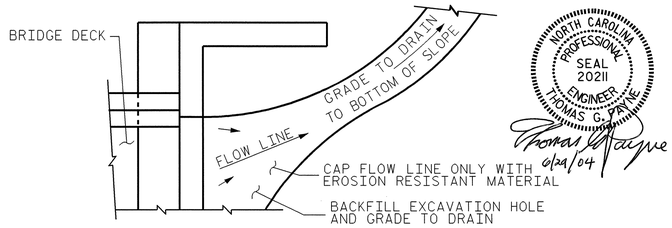
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A4	57	#4	STR.	25'- 9"	980
✳ A204	2	#4	STR.	24'- 6"	33
✳ A205	2	#4	STR.	22'- 0"	29
✳ A206	2	#4	STR.	19'- 5"	26
✳ A207	2	#4	STR.	16'-10"	22
✳ A208	2	#4	STR.	14'- 4"	19
✳ A209	2	#4	STR.	11'- 9"	16
✳ A210	2	#4	STR.	9'- 3"	12
✳ A211	2	#4	STR.	6'- 8"	9
✳ A212	2	#4	STR.	4'- 2"	6
✳ B109	3	#6	STR	28'- 6"	128
✳ B110	3	#6	STR	29'- 1"	131
✳ B111	3	#6	STR	29'- 8"	134
✳ B112	3	#6	STR	30'- 4"	137
✳ B113	3	#6	STR	30'-11"	139
✳ B114	3	#6	STR	31'- 6"	142
✳ B115	3	#6	STR	32'- 1"	145
✳ B116	3	#6	STR	32'- 8"	147
✳ B117	3	#6	STR	33'- 3"	150
✳ B118	3	#6	STR	33'-10"	152
✳ B119	3	#6	STR.	34'- 5"	155
✳ B120	3	#6	STR.	35'- 0"	158
✳ B121	3	#6	STR.	35'- 7"	160
✳ B122	3	#6	STR.	36'- 2"	163
✳ B123	3	#6	STR.	36'- 9"	166
✳ B124	3	#6	STR.	37'- 4"	168
✳ B125	3	#6	STR.	37'-11"	171
✳ B126	1	#6	STR.	38'- 6"	58
✳ B209	3	#8	STR	29'- 0"	232
✳ B210	3	#8	STR	29'- 7"	237
✳ B211	3	#8	STR	30'- 2"	242
✳ B212	3	#8	STR	30'-10"	247
✳ B213	3	#8	STR	31'- 5"	252
✳ B214	3	#8	STR	32'- 0"	256
✳ B215	3	#8	STR	32'- 7"	261
✳ B216	3	#8	STR	33'- 2"	266
✳ B217	3	#8	STR	33'- 9"	270
✳ B218	3	#8	STR	34'- 4"	275
✳ B219	3	#8	STR.	34'-11"	280
✳ B220	3	#8	STR.	35'- 6"	284
✳ B221	3	#8	STR.	36'- 1"	289
✳ B222	3	#8	STR.	36'- 8"	294
✳ B223	3	#8	STR.	37'- 3"	298
✳ B224	3	#8	STR.	37'-10"	303
✳ B225	3	#8	STR.	38'- 5"	308
✳ B226	1	#8	STR.	39'- 0"	104
✳ G2	1	#5	STR.	27'- 3"	28

✳ EPOXY COATED REINFORCING STEEL	LBS.	10,283
CLASS AA CONCRETE	C. Y.	34.7



† NORMAL TO END BENT

SECTION THRU SLAB



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

PROJECT NO. B-3445

CURRITUCK COUNTY

STATION: 24+18.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB FOR PRESTRESSED CONCRETE CORED SLAB

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-43
1			3			TOTAL SHEETS
2			4			43

DRAWN BY : Keith D. Layne DATE : 4-13-04
CHECKED BY : S. H. SOCKWELL DATE : 4-15-04