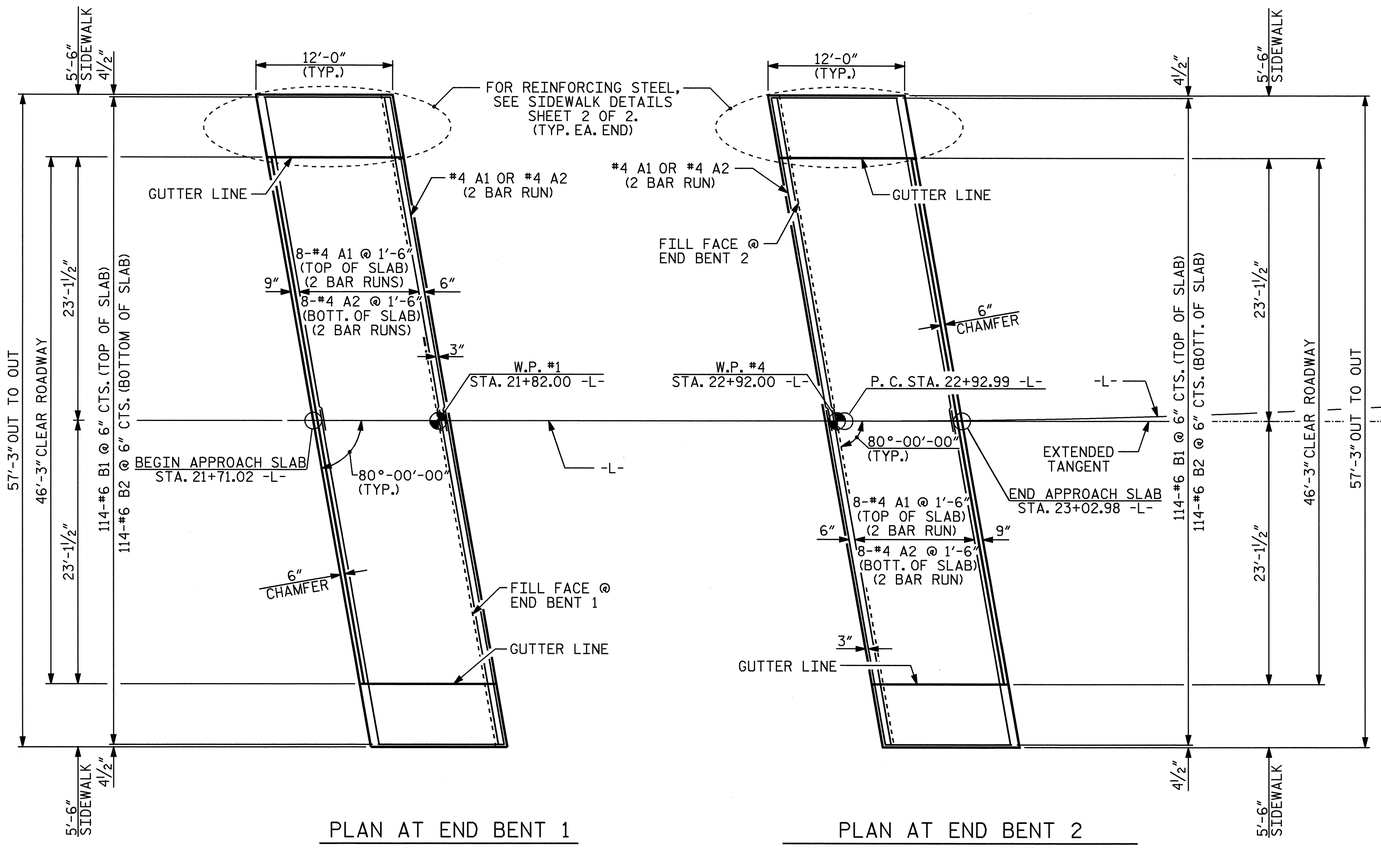
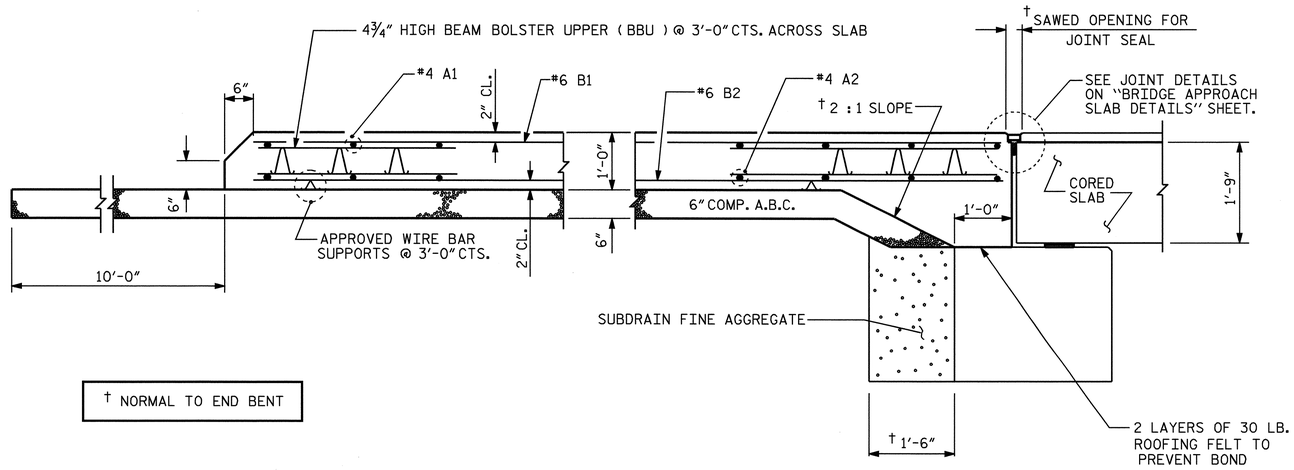


PLAN AT END BENT 1

PLAN AT END BENT 2

APPROACH SLAB AT END BENT 2 TO BE CONSTRUCTED ON EXTENDED TANGENT TO -L-



† NORMAL TO END BENT

SECTION THRU SLAB

NOTES

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

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 EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.

THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2½".

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

THE COST OF THE ELASTOMERIC CONCRETE WILL BE INCLUDED IN THE PAY ITEM FOR "EVAZOTE JOINT SEALS."

DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN SCREEDED AND FLOAT FINISHED.

QUANTITIES FOR SIDEWALK ARE INCLUDED IN APPROACH SLAB.

THE STEEL PLATES SHALL CONFORM TO AASHTO M270 GRADE 36 OR APPROVED EQUAL. AFTER FABRICATION, THE PLATES SHALL BE COMMERCIALLY BLAST CLEANED AND COATED WITH A MINIMUM THICKNESS OF 4 MILS (DRY) OF ZINC-RICH PAINT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. AT THE CONTRACTORS OPTION, THESE SURFACES MAY BE METALLIZED WITH W-ZN-2 ZINC ALLOY WIRE MATERIAL TO A MINIMUM THICKNESS OF 6 MILS. SEE SPECIAL PROVISIONS FOR THERMAL SPRAYED COATINGS (METALLIZATION).

THE ¾" DIAMETER HEX HEAD BOLTS SHALL CONFORM TO ASTM F593 ALLOY 304 STAINLESS STEEL.

THE ¾" CONCRETE INSERTS SHALL BE CLOSED-END FERRULES WITH LOOPED WIRE STRUTS ATTACHED TO THEM. THE INSERTS SHALL CONFORM TO AASHTO M169, GRADE 12L14 AND SHALL HAVE A TENSILE WORKING LOAD CAPACITY OF 3000 LBS.

NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE COVER PLATE. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR "EVAZOTE JOINT SEALS."

BILL OF MATERIAL

FOR ONE APPROACH SLAB (2 REQ'D.)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳A1	18	#4	STR	29'-11"	360
A2	18	#4	STR	29'-10"	359
✳B1	114	#6	STR	11'-1"	1898
B2	114	#6	STR	11'-7"	1983
✳B3	24	#4	STR	11'-7"	186
✳D1	24	#4	STR	0'-10"	13
✳G1	24	#4	STR	5'-0"	80

REINFORCING STEEL	LBS.	2342
✳EPOXY COATED REINFORCING STEEL	LBS.	2537

CLASS AA CONCRETE BREAKDOWN

SLAB	C. Y.	30.5
SIDEWALK	C. Y.	2.7
TOTAL CLASS AA CONCRETE	C. Y.	33.2

SPLICE LENGTH

BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"

PROJECT NO. B-3450

DURHAM COUNTY

STATION: 22+37.00 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

BRIDGE APPROACH SLAB FOR PRESTRESSED CONCRETE CORED SLAB

NORTH CAROLINA PROFESSIONAL SEAL 14855 ENGINEER DOUGLAS R. CALVIN
2-7-05

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-52
1			3			TOTAL SHEETS
2			4			53

ASSEMBLED BY : A.L.MEADOWS DATE : 8/01/02
CHECKED BY : T.A.HARRIS DATE : 10/8/02

DRAWN BY : FCJ 6/87
CHECKED BY : EGA 6/87

REV. 10/17/00 RWW/LES
REV. 7/10/01 LES/RDR
REV. 5/7/03 RWW/JTE

08-FEB-2005 08:33
W:\squado\b3450\taharris\Microstation\STR. 2\B3450_sd_AS_02.dgn
TAHarris

STR. 2 STD. NO. BAS7