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.

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

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING FABRIC, IMPERMEABLE GEOMEMBRANE, 102mm Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.
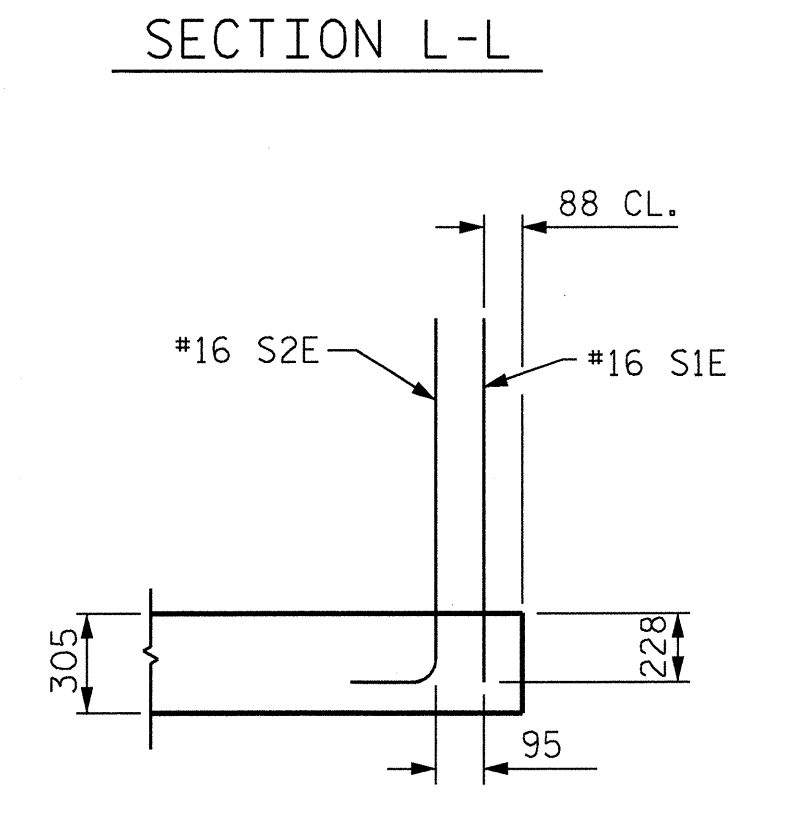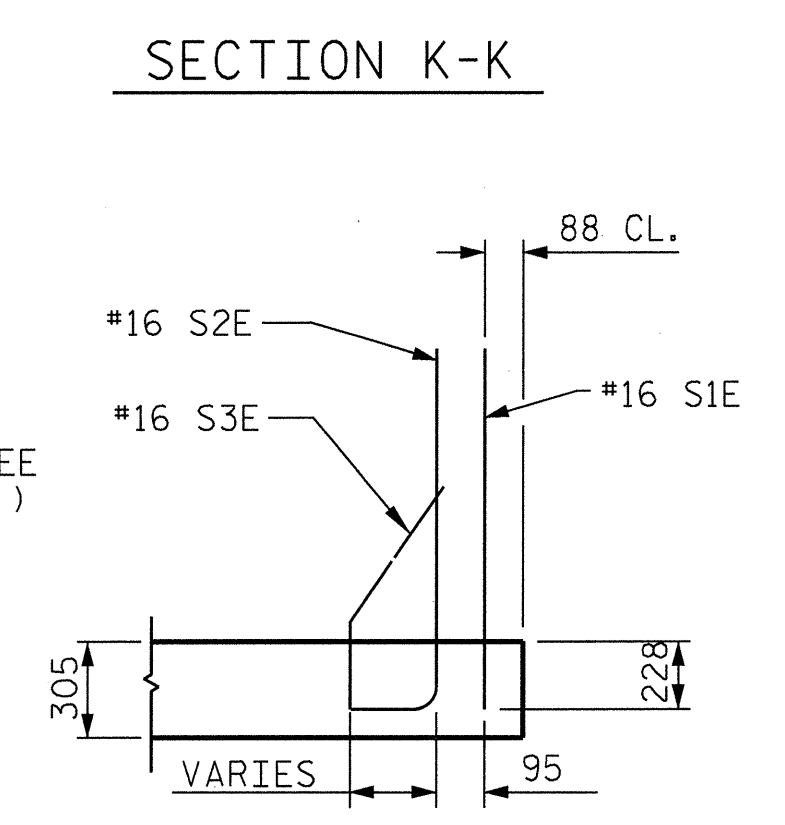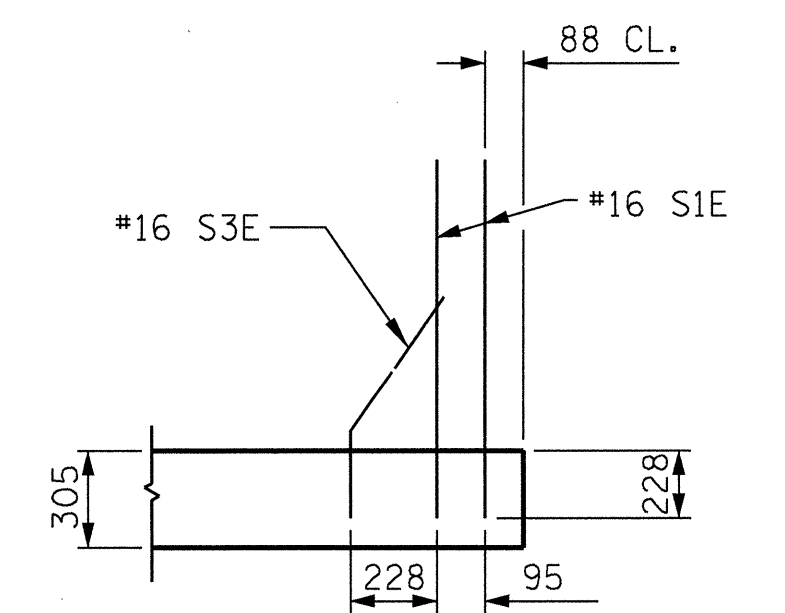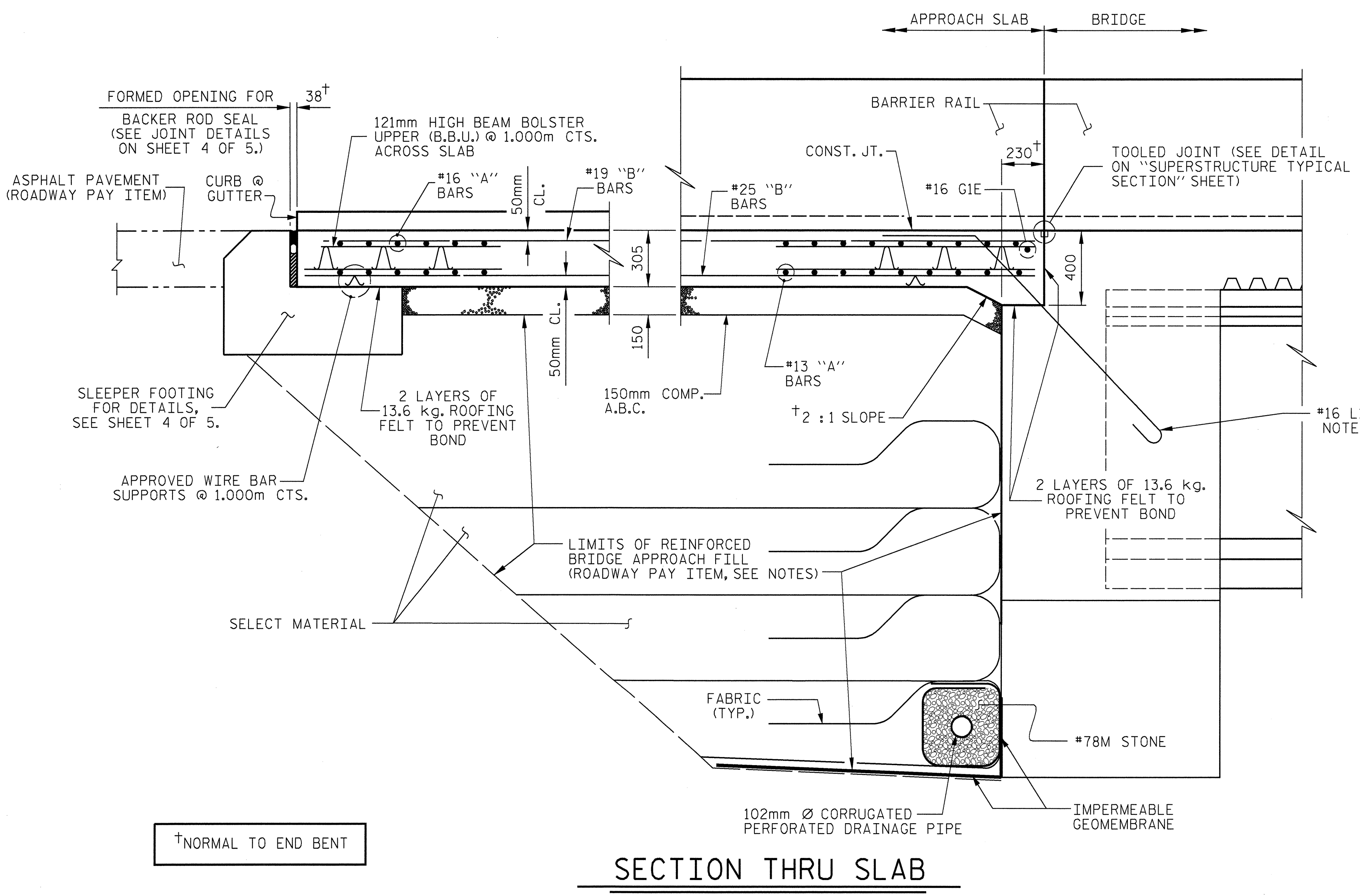
TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

AREA BETWEEN THE WING WALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE.

THE 150mm COMP. A.B.C. SHALL EXTEND 3m BEYOND THE END OF THE APPROACH SLAB AND 300mm OUTSIDE OF EACH EDGE OF THE SLAB.

THE CONTRACTOR MAY USE 100mm TYPE B-25.0B ASPHALT CONCRETE COURSE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.
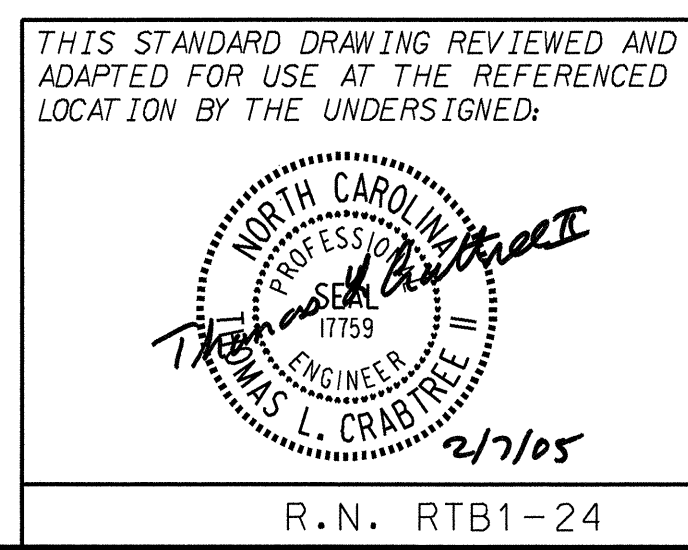
THE CONTRACTOR MAY USE 125mm CLASS "A" CONCRETE BASE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 13.6 kg. 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.

NOTE: $\otimes$ HORIZONTAL LEG SHALL BE IN THE SAME HORIZONTAL PLANE AS APPROACH SLAB "B" BARS.

TEMPORARY BERM AND SLOPE DRAIN DETAILS

CLASS "B" STONE FOR EROSION CONTROL
TEMP. SLOPE DRAIN
EARTH DITCH BLOCK
APPROACH SLAB
FUTURE SHOULDER
600 MIN.
300 MIN.
GRADE TO DRAIN TO PIPE INLET
FLOW LINE
750 MIN.
END OF APPROACH SLAB
450 MIN.
EROSION RESISTANT MATERIAL

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. 50mm 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, 305mm IN DIAMETER.

PLAN VIEW

ELBOW
TEMPORARY SLOPE DRAIN
1.200m
ELBOW
TOE OF FILL
CLASS "B" STONE FOR EROSION CONTROL

SECTION R-R

2'-0"
2'-6" MIN.

75mm EROSION RESISTANT MATERIAL OVER PIPE
EARTH DITCH BLOCK
300 MINIMUM
300
1.200m MIN.
FILL SLOPE

SECTION S-S

SECTION THRU SLAB

FORMED OPENING FOR BACKER ROD SEAL (SEE JOINT DETAILS ON SHEET 4 OF 5.)
38†
121mm HIGH BEAM BOLSTER UPPER (B.B.U.) @ 1.000m CTS. ACROSS SLAB
ASPHALT PAVEMENT (ROADWAY PAY ITEM)
CURB @ GUTTER
#16 "A" BARS
#19 "B" BARS
#25 "B" BARS
50mm CL.
305
50mm CL.
150
#13 "A" BARS
150mm COMP. A.B.C.
†2:1 SLOPE
SLEEPER FOOTING FOR DETAILS, SEE SHEET 4 OF 5.
2 LAYERS OF 13.6 kg. ROOFING FELT TO PREVENT BOND
APPROVED WIRE BAR SUPPORTS @ 1.000m CTS.
LIMITS OF REINFORCED BRIDGE APPROACH FILL (ROADWAY PAY ITEM, SEE NOTES)
SELECT MATERIAL
FABRIC (TYP.)
102mm Ø CORRUGATED PERFORATED DRAINAGE PIPE
IMPERMEABLE GEOMEMBRANE
#78M STONE

APPROACH SLAB
BRIDGE
BARRIER RAIL
CONST. JT.
230†
TOOLED JOINT (SEE DETAIL ON "SUPERSTRUCTURE TYPICAL SECTION" SHEET)
#16 G1E
400
2 LAYERS OF 13.6 kg. ROOFING FELT TO PREVENT BOND
#16 L1E (SEE NOTE $\otimes$)

†NORMAL TO END BENT

SECTION K-K

88 CL.
#16 S3E
#16 S1E
305
228
228
95

SECTION L-L

88 CL.
#16 S2E
#16 S3E
#16 S1E
305
228
VARIES
95

SECTION M-M

88 CL.
#16 S2E
#16 S1E
305
228
95

PROJECT NO. R-2552C
JOHNSTON COUNTY
STATION: 122+14.832 -L2RT-
SHEET 1 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

BRIDGE APPROACH SLAB FOR FLEXIBLE PAVEMENT WITH BARRIER RAIL
(RIGHT BRIDGE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-317
1			3			TOTAL SHEETS
2			4			431

ASSEMBLED BY :	LOFTON	DATE :	12/04
CHECKED BY :	CJW	DATE :	01/05
DRAWN BY : RWW 8/01		ADDED 12/01	
CHECKED BY : LES 8/01		REV. 5/7/03R	RWW/JTE

R.N. RTB1-24

STD. No. BAS5SM