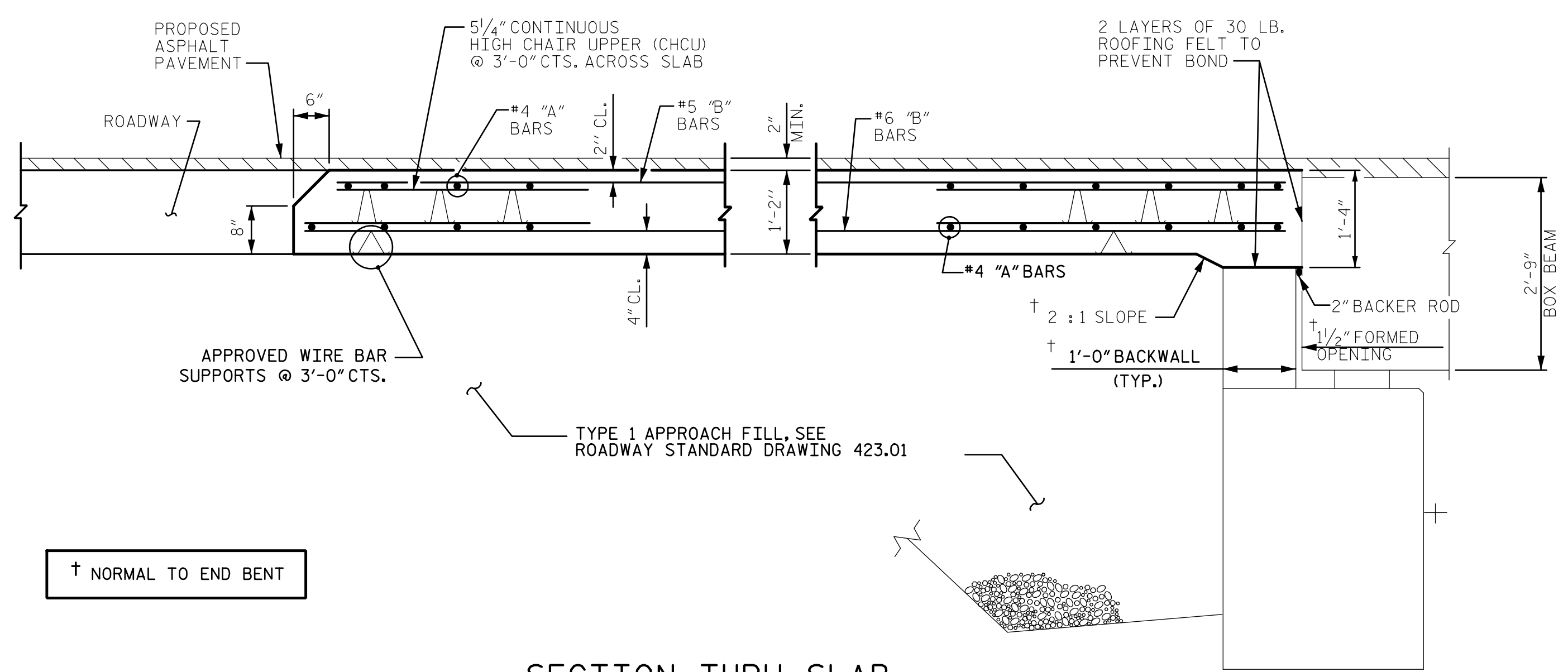


PLAN @ END BENT 1

PLAN @ END BENT 2



SECTION THRU SLAB

NOTES

FOR BRIDGE APPROACH FILL, INCLUDING GEOTEXTILE, 4"Ø DRAINAGE PIPE, AND SELECT MATERIAL BACKFILL, SEE ROADWAY PLANS.

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

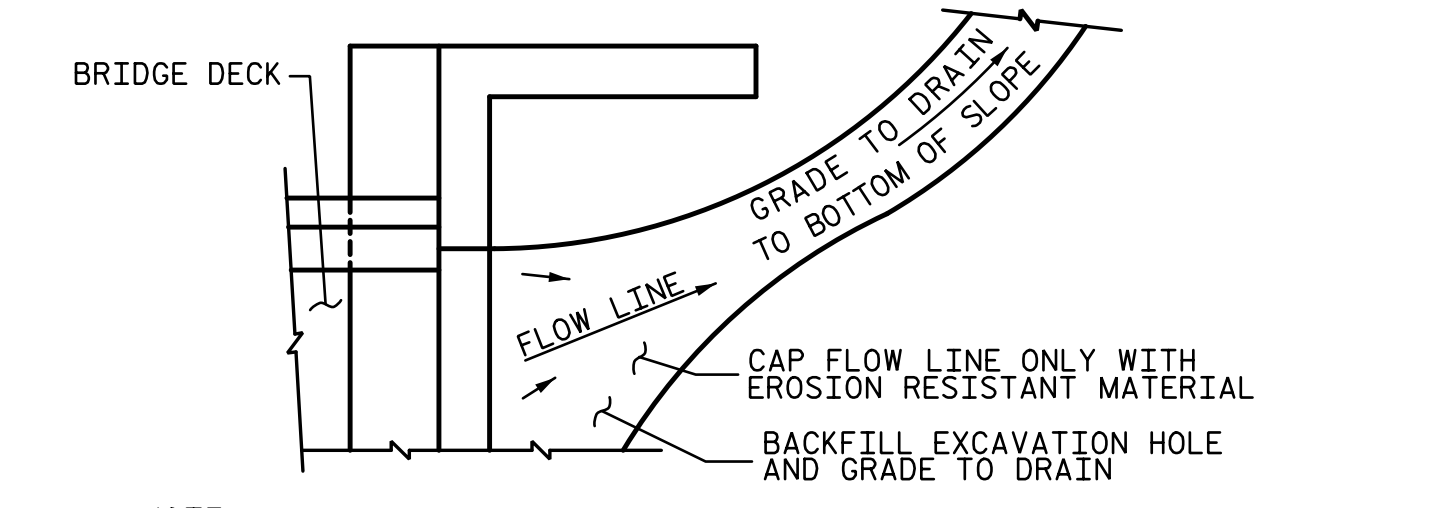
SELECT MATERIAL BACKFILL (CLASS V OR CLASS VI) SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 1016.

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

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.

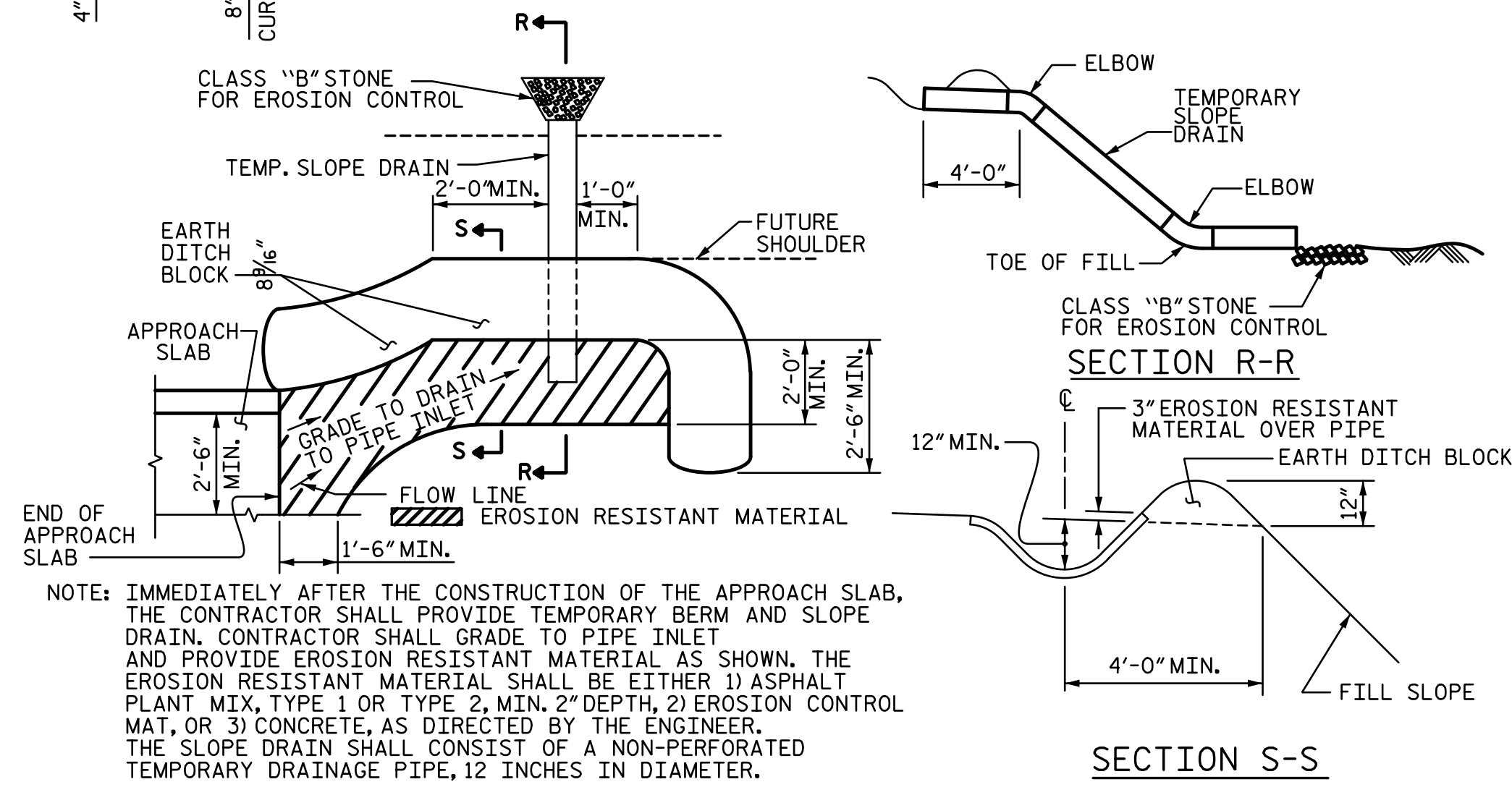
FOR THE 4"Ø DRAINAGE PIPE OUTLET(S), SEE ROADWAY STANDARD DRAWINGS.

APPROACH SLAB GROOVING IS NOT REQUIRED.



TEMPORARY DRAINAGE DETAIL

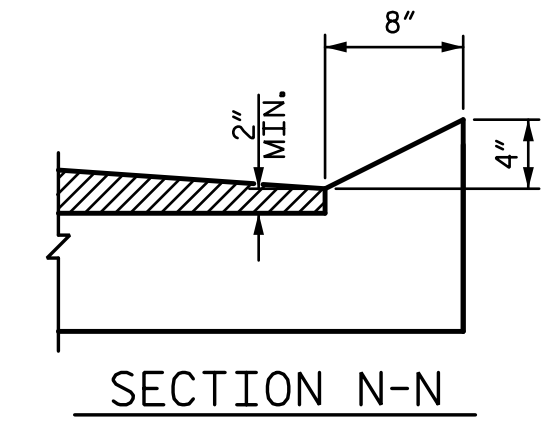
NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT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



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.

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)



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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BILL OF MATERIAL					
APPROACH SLAB AT EB 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A3	26	#4	STR.	16'-1"	279
A4	26	#4	STR.	15'-11"	276
*B1	52	#5	STR.	11'-2"	606
B2	52	#6	STR.	11'-8"	911
*B3	1	#5	STR.	10'-10"	11
*B4	1	#5	STR.	9'-6"	10
*B5	1	#5	STR.	8'-2"	9
*B6	1	#5	STR.	6'-10"	7
*B7	1	#5	STR.	5'-6"	6
*B8	1	#5	STR.	4'-2"	4
*B9	1	#5	STR.	2'-11"	3
*B10	2	#5	STR.	2'-6"	5
*B11	1	#5	STR.	12'-5"	13
B12	1	#6	STR.	11'-3"	17
B13	1	#6	STR.	9'-11"	15
B14	1	#6	STR.	8'-7"	13
B15	1	#6	STR.	7'-3"	11
B16	1	#6	STR.	5'-11"	9
B17	1	#6	STR.	4'-7"	7
B18	1	#6	STR.	3'-3"	5
B19	2	#6	STR.	2'-6"	8
B20	1	#6	STR.	12'-5"	19
REINFORCING STEEL				LBS.	1291
*EPOXY COATED REINFORCING STEEL				LBS.	953
CLASS AA CONCRETE				C. Y.	14.9
APPROACH SLAB AT EB 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	13	#4	STR.	25'-10"	224
A2	13	#4	STR.	25'-10"	224
*B1	52	#5	STR.	11'-2"	606
B2	52	#6	STR.	11'-8"	911
REINFORCING STEEL				LBS.	1135
*EPOXY COATED REINFORCING STEEL				LBS.	830
CLASS AA CONCRETE				C. Y.	13.9

DRAWN BY : J. SCACCA DATE : 02/2025
CHECKED BY : T. R. LAWS DATE : 02/2025
DESIGN ENGINEER OF RECORD: T. R. LAWS DATE : 10/2025

10/7/2025

RS&H

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB
FOR PRESTRESSED CONCRETE
BOX BEAM UNIT
(SUB-REGIONAL TIER)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-24
2			4			24