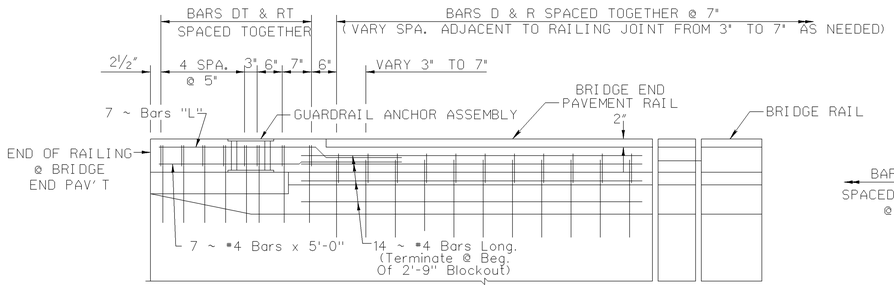
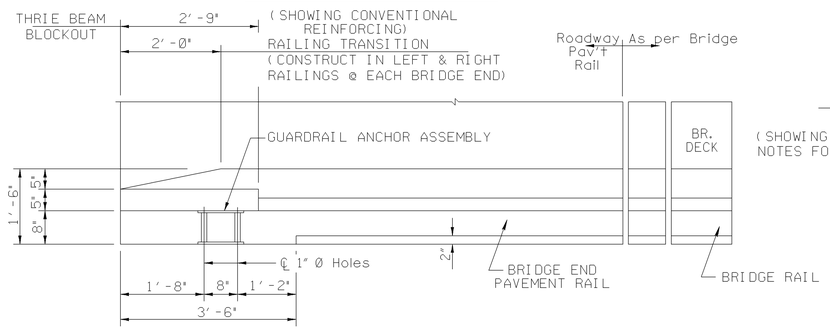
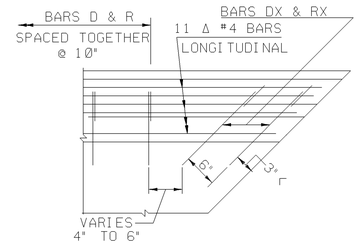
STATE	PROJECT NO.
MISS.	



PART PLAN OF LEFT RAILING

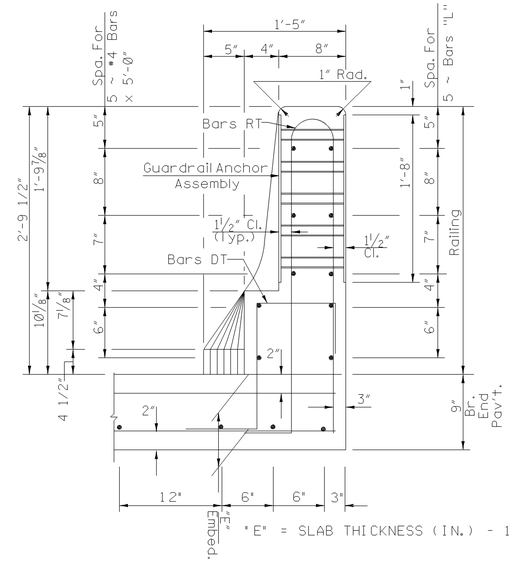


PART PLAN OF RIGHT RAILING
(SHOWING CONCRETE DIMENSIONS)

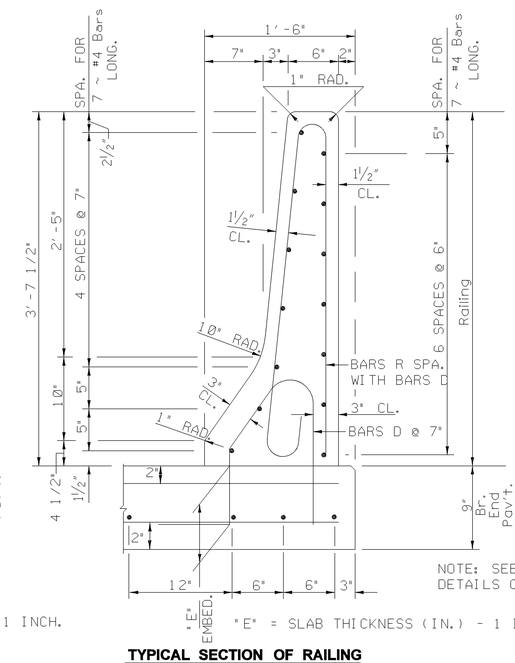


SKEWED PART PLAN OF LEFT RAILING AT BRIDGE END WALL

(SHOWING CONVENTIONAL REINFORCING. SEE CONSTRUCTION NOTES FOR DETAILS OF OPTIONAL WELDED WIRE FABRIC.)

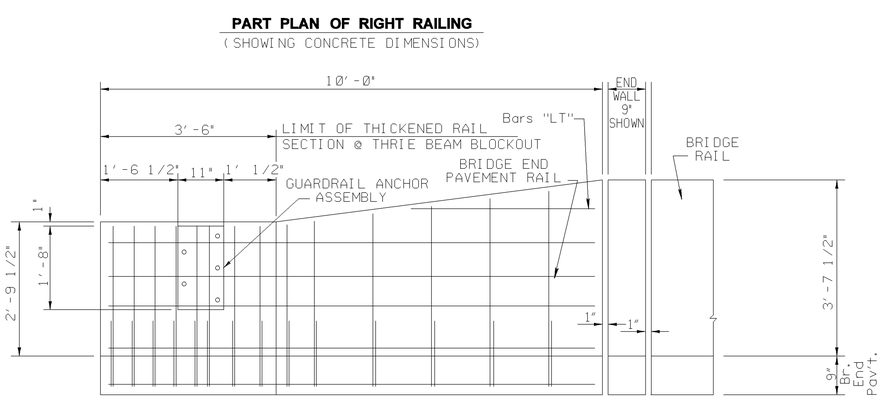


END ELEVATION OF RAILING



TYPICAL SECTION OF RAILING

NOTE: SEE SHEET BE-1 FOR STEEL DETAILS OF BRIDGE END PAVEMENT



PART ELEVATION OF OUTSIDE FACE OF RAILING

PIPE SLEEVE DETAIL

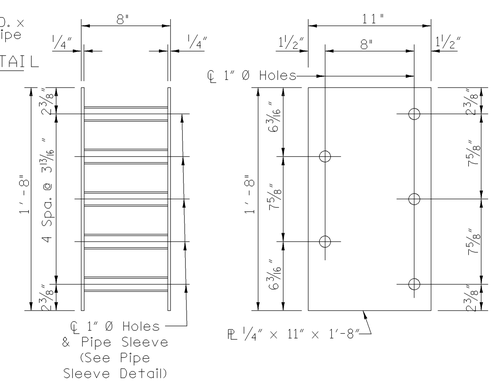


PLATE DETAIL

GUARDRAIL ANCHOR ASSEMBLY

CONSTRUCTION NOTES:

FABRICATE GUARDRAIL ANCHOR ASSEMBLIES BY TACK WELDING EACH END OF PIPE SLEEVES TO PLATES. PLATES SHALL BE ASTM A 36 STEEL. PIPES SHALL BE ASTM A 120. GALVANIZE COMPLETE ASSEMBLIES AFTER FABRICATION PER ASTM A153.

ATTACH ASSEMBLIES SECURELY TO FORMS PRIOR TO POURING RAILING CONCRETE TO ASSURE THAT EXPOSED SURFACES OF THE ASSEMBLIES WILL BE FLUSH WITH CONCRETE SURFACES.

GUARDRAIL ANCHOR ASSEMBLIES SHALL BE INSTALLED IN BOTH LEFT AND RIGHT RAILINGS AT EACH END OF ALL BRIDGES.

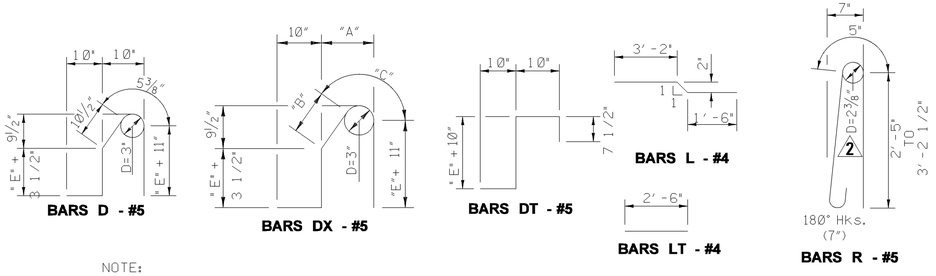
BRIDGE END PAVEMENT RAIL SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH SECTION 813 OF THE STANDARD SPECIFICATIONS.

4" DIAMETER WEEP HOLE TO BE PLACED IN BRIDGE END PAVEMENT RAIL WHERE REQUIRED TO REDUCE PONDING.

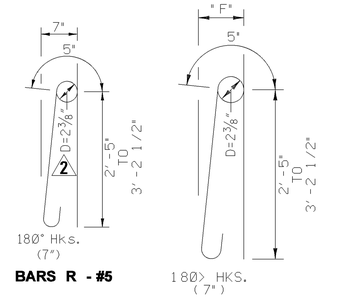
IF TOP LIFT IS ANYTHING OTHER THAN 1.5", THE LIFT SHALL BE TRANSITIONED TO 1.5" ACROSS THE LENGTH OF THE BRIDGE END SLAB.

DESIGN DATA

SPECIFICATIONS.....A.A.S.H.T.O. 1992 & INT. THRU 1995
CONCRETE.....CLASS "AA"(4,000 PSI)
REINFORCING.....ASTM A 615 GRADE 60 (FY = 60 KSI)



NOTE:
"E" = SLAB THICKNESS (IN.) - 1 INCH.



BAR BENDING DETAILS
Dimensions Are Out To Out

SKEW (DEG)	BARS DX ~ #5			BARS RX ~ #5
	"A"	"B"	"C"	"F"
0	10"	10½"	5⅜"	7"
5	10"	10½"	5⅜"	7"
10	10"	10½"	5⅜"	7"
15	10¼"	10½"	5¼"	7¼"
20	10½"	10¾"	5¼"	7½"
25	11"	11¼"	5⅜"	7¾"
30	11½"	11½"	5 1/16"	8"
35	1'-0¼"	1'-0¼"	5"	8½"
40	1'-1"	1'-0¾"	4⅞"	9"
45	1'-2"	1'-1¾"	4 13/16"	9¾"
50	1'-3½"	1'-3"	4⅝"	10¾"
55	1'-5½"	1'-4¾"	4½"	1-0¼"

		BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
		REVISION	43.5" BRIDGE END PAVEMENT RAIL
		DATE	FILENAME: BE-PR-1C.dgn
			DESIGN TEAM spell CHECKED reeves DATE 3-17-10

WORKING NUMBER BE-PR-1C
SHEET NUMBER

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/12/2010 1:20 PM BE-PR-1C.DGN