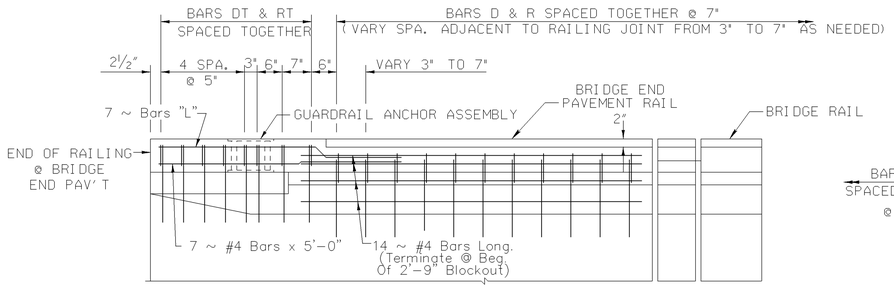
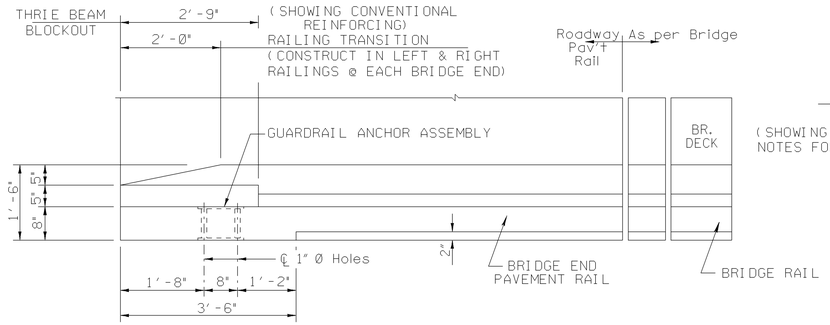
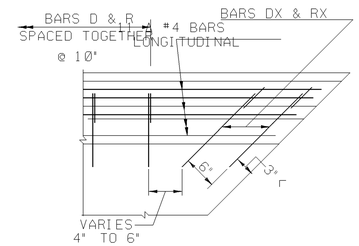
STATE	PROJECT NO.
MISS.	



PART PLAN OF LEFT RAILING

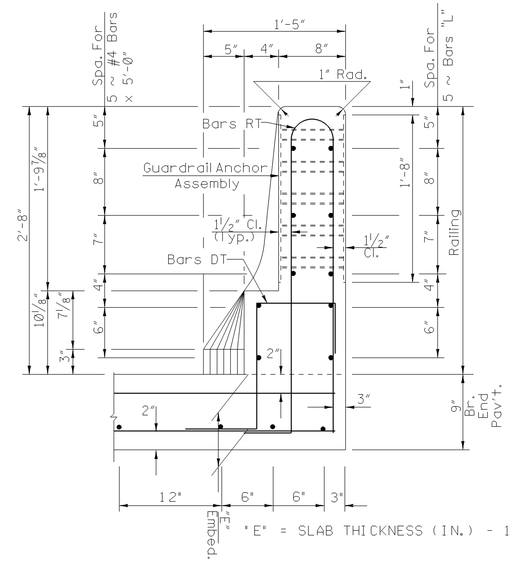


PART PLAN OF RIGHT RAILING
(SHOWING CONCRETE DIMENSIONS)



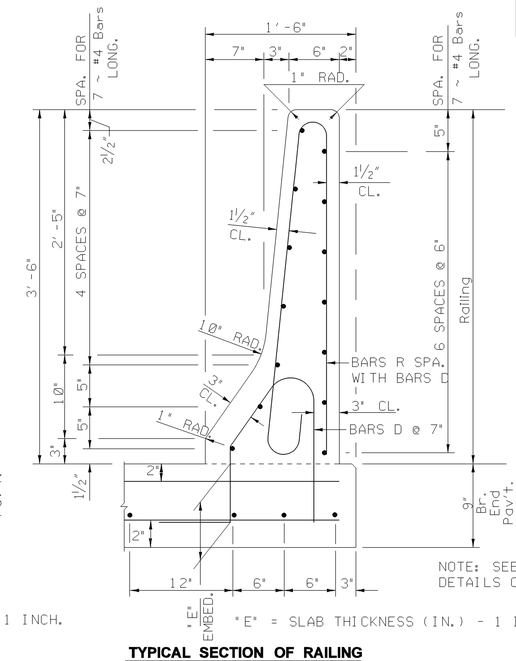
SKEWED PART PLAN OF LEFT RAILING AT BRIDGE END WALL

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



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

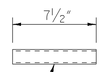
END ELEVATION OF RAILING



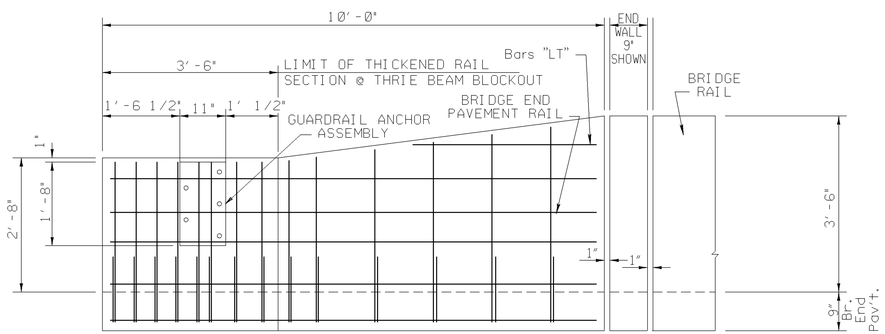
NOTE: SEE SHEET BE-1 FOR STEEL DETAILS OF BRIDGE END PAVEMENT

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

TYPICAL SECTION OF RAILING



PIPE SLEEVE DETAIL



PART ELEVATION OF OUTSIDE FACE OF RAILING

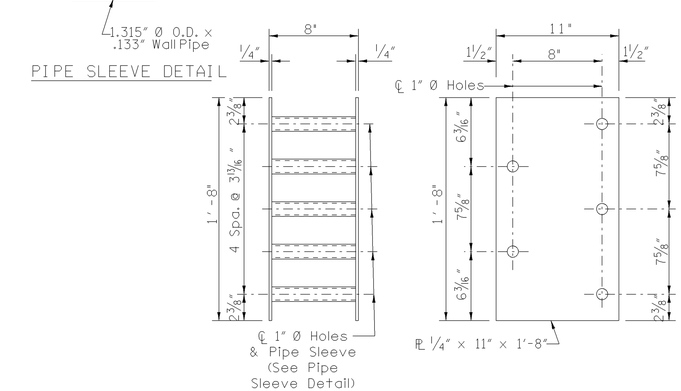


PLATE DETAIL

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.

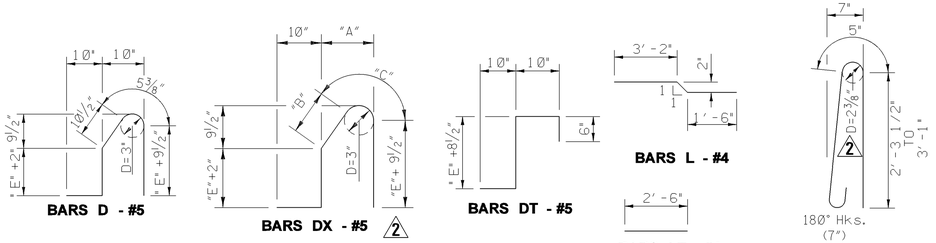
GUARDRAIL ANCHOR ASSEMBLIES SHALL BE INSTALLED IN BOTH LEFT AND RIGHT RAILINGS AT EACH END OF ALL BRIDGES.

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.

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"	5 3/16"	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"

2

DATE	REVISION	BY
8-19-07	REV. CHART AND ADDED BARS	SWR
4-01-07	NEW SHEET	SWR

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

42" BRIDGE END PAVEMENT RAIL

WORKING NUMBER BEPR-1A

SHEET NUMBER

FILENAME: br end pave rail42.dgn

DESIGN TEAM spell CHECKED reeves DATE 4-1-07

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

12/10/2008 8:26 AM TYPE 1.DGN