

REV. 9-15-82: DETAILS REDRAWN. DWG. NO. CHANGED FROM S-CR-8 TO S-CR-17.

REV. 7-1-84: CHANGED EST. QUANT. BLK. TO ALLOW EASIER INSTALLATION PROCEDURES AND CORRECTED OTHER ERRORS.

REV. 9-5-85: CHANGED ITEM NO. 705-01.01 TO 705-01.04. DELETED NOTE NO. 2.

REV. 11-4-87: CORRECTED TITLE BLOCK.

REV. 10-26-91: REDREW AND REORGANIZED SHEET. UPDATED DRAWING TO 1991 STANDARDS.

REV. 7-29-95: CHANGED FOOTNOTE ①.

REV. 2-14-96: MOVED LOCATION OF SECTION "D-D" IN 36' MEDIAN DETAIL. MOVED LOCATION OF SECTION "C-C" IN 40' MEDIAN DETAIL. CHANGED END TERMINAL FROM TYPE 11 TO TYPE 16 OR TYPE 20 IN 48', 60' & 64' MEDIAN DETAIL.

REV. 5-27-96: MODIFIED USE OF BACK RAIL IN 36' AND 40' PLAN VIEWS. ADDED USE OF TYPE 16 AND TYPE 20 END TERMINALS TO 36' AND 40' PLAN VIEWS. CHANGED FOOTNOTE ①.

REV. 6-10-96: CHANGED QUANTITIES FOR ITEM NOS. 705-02.02 & 705-03.03 IN GUARDRAIL TABULATED QUANTITIES.

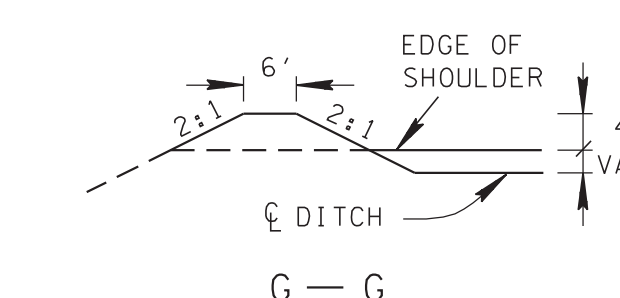
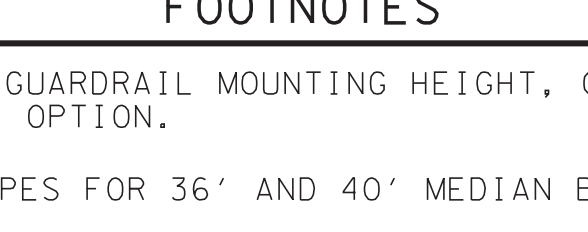
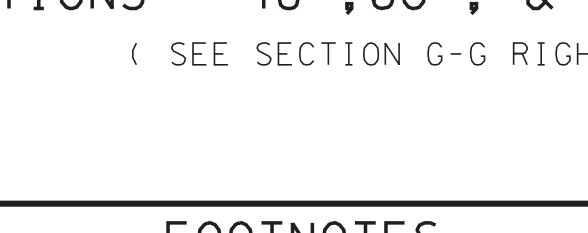
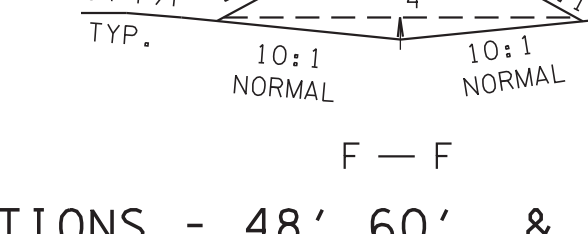
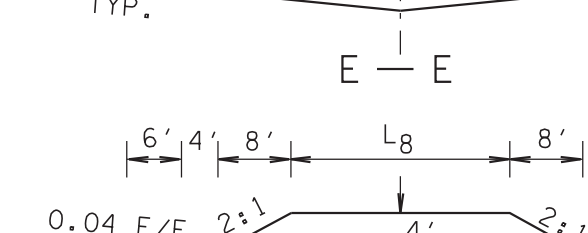
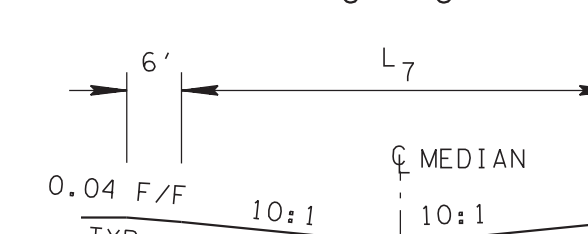
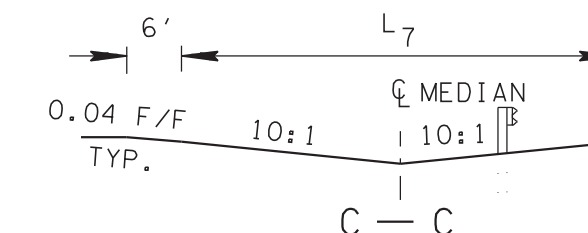
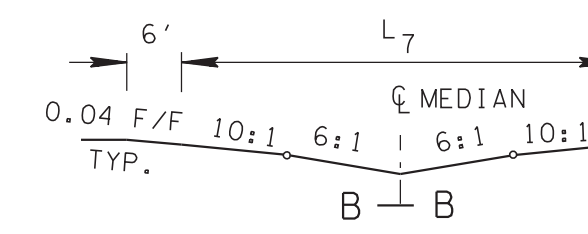
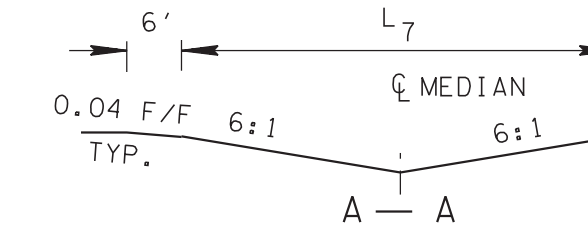
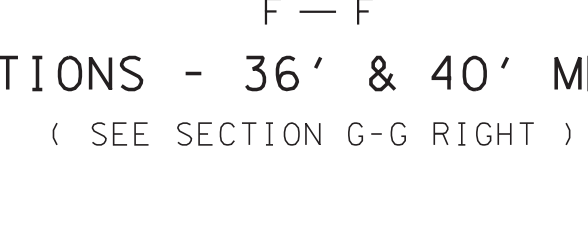
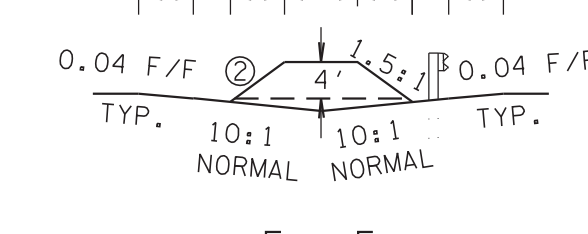
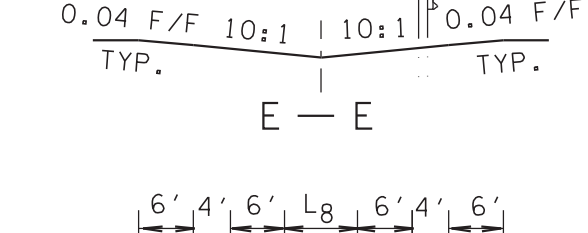
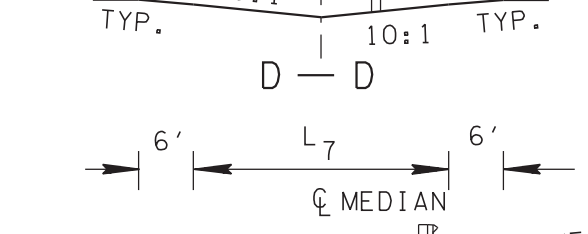
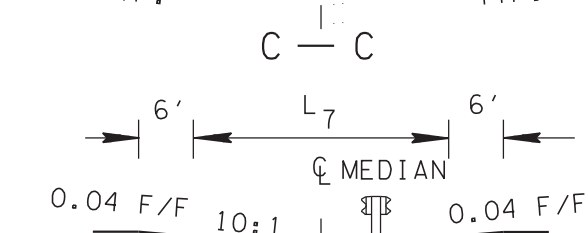
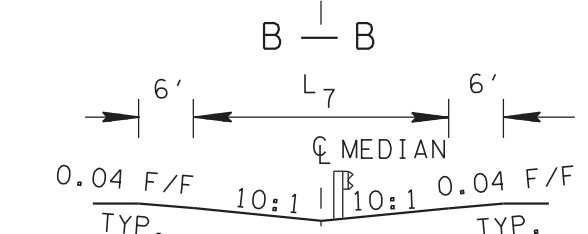
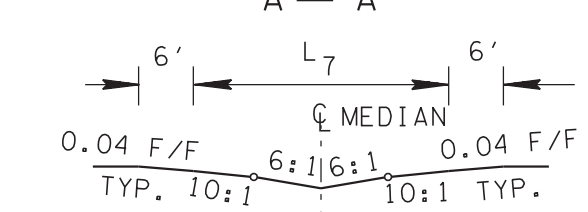
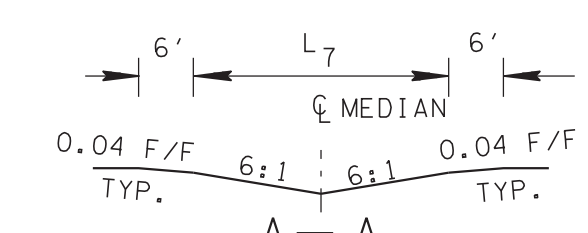
REV. 7-29-98: MODIFIED ALL BARRIER TREATMENT DETAILS.

REV. 3-22-99: MODIFIED DRAWING IN GENERAL.

REV. 5-27-99: MODIFIED DRAWING IN GENERAL.

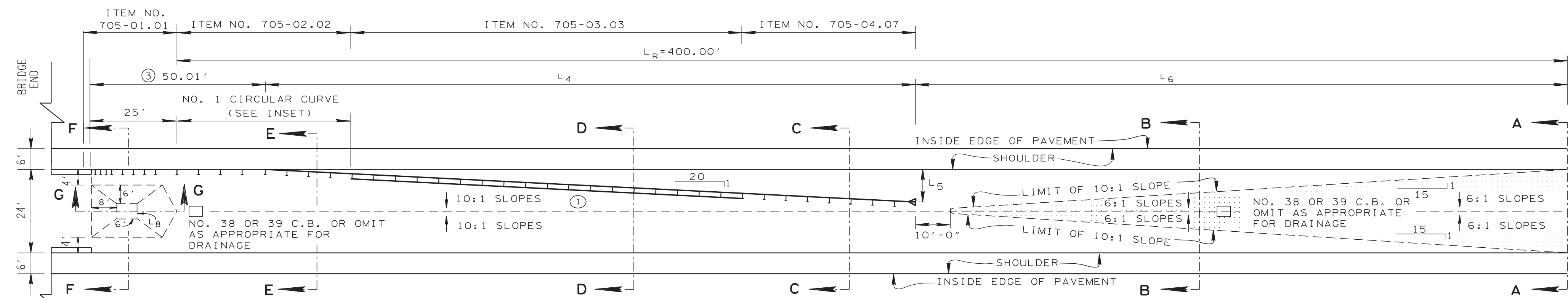
REV. 5-27-01: CHANGED ITEM NOS. 705-01.04 TO 705-01.01 AND 705-04.38 TO 705-04.07.

REV. 9-11-02: CORRECTED PAY ITEM NO. IN GUARDRAIL QUANTITIES BLOCK.



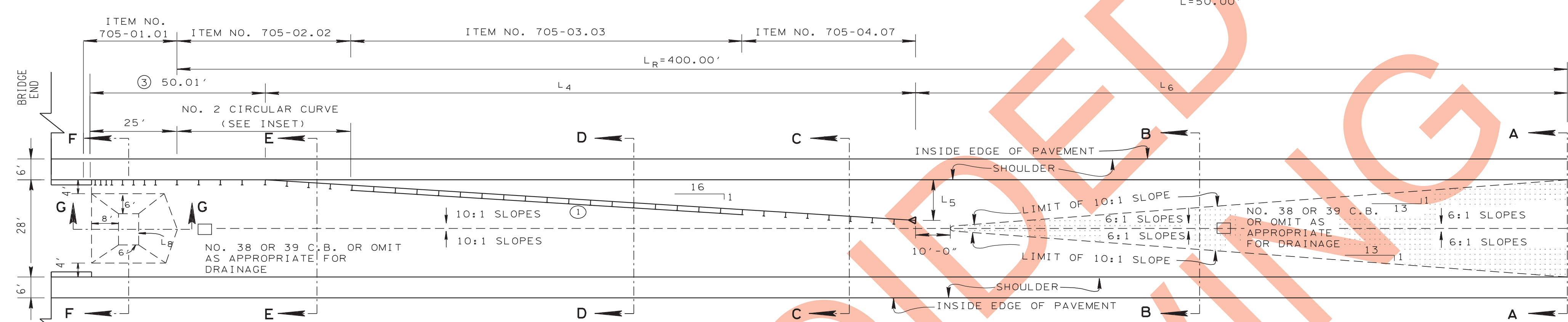
SECTIONS - 36' & 40' MEDIANS
(SEE SECTION G-G RIGHT)

SECTIONS - 48', 60', & 64' MEDIANS
(SEE SECTION G-G RIGHT)



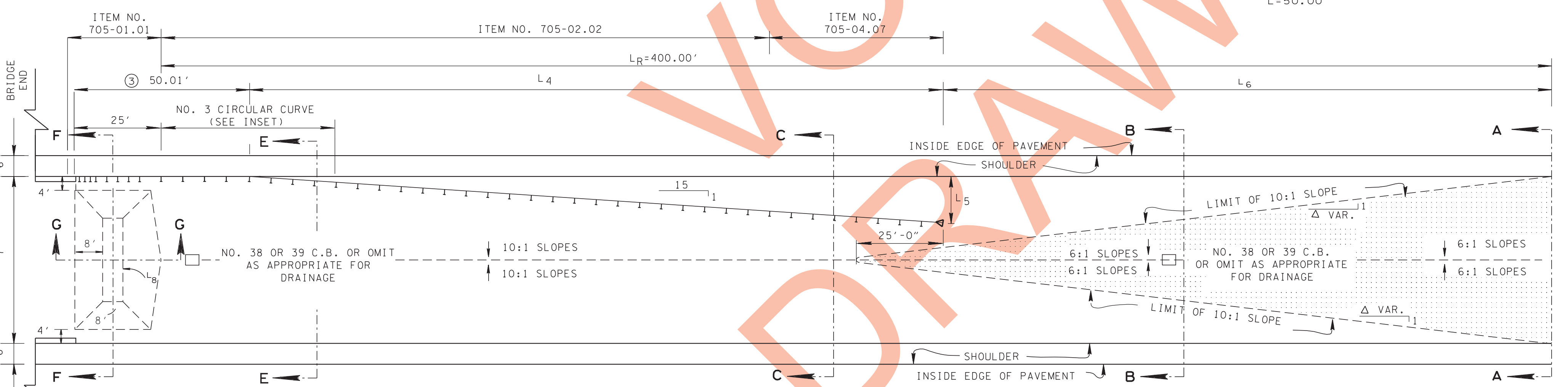
BARRIER TREATMENT DETAILS - 36' MEDIAN

NO. 1 CURVE
 $\Delta = 2^\circ 51' 44.7''$
 $T = 25.01'$
 $R = 1000.83'$
 $L = 50.00'$



BARRIER TREATMENT DETAILS - 40' MEDIAN

NO. 2 CURVE
 $\Delta = 3^\circ 34' 34.8''$
 $T = 25.01'$
 $R = 801.05'$
 $L = 50.00'$



BARRIER TREATMENT DETAILS - 48', 60' & 64' MEDIANS

NO. 3 CURVE
 $\Delta = 3^\circ 48' 50.6''$
 $T = 25.01'$
 $R = 751.07'$
 $L = 50.00'$

Δ FOR 48' MEDIAN WIDTH USE 11:1, AND FOR 60' AND 64' MEDIAN WIDTH USE 8:1.

MEDIAN DIMENSIONS						GUARDRAIL QUANTITIES			
MEDIAN	L ₄	L ₅	L ₆	L ₇	L ₈	705-01.01	705-02.02	705-03.03	705-04.07
36'	187.27'	9.36'	187.72'	24.0'	4.0'	26'-10 3/4"	50'-0"	112'-6"	1
40'	187.13'	11.70'	187.86'	28.0'	8.0'	26'-10 3/4"	50'-0"	112'-6"	1
48'	199.56'	13.30'	175.43'	36.0'	12.0'	26'-10 3/4"	175'-0"	—	1
60'	199.56'	13.30'	175.43'	48.0'	24.0'	26'-10 3/4"	175'-0"	—	1
64'	199.56'	13.30'	175.43'	52.0'	28.0'	26'-10 3/4"	175'-0"	—	1

THE DIMENSIONS SHOWN IN THIS TABLE ARE TO BE USED IN ALL TANGENT OR NEARLY TANGENT SITUATIONS WITH DESIGN SPEEDS 60 MPH OR BELOW. WHEN THE DESIGN SPEED EXCEEDS 60 MPH OR OTHER GEOMETRIC FEATURES SUCH AS CURVATURE, SKEWED BRIDGES, OR ADDITIONAL HAZARDS ARE PRESENT, THE DESIGNER SHALL USE STANDARD DRAWING S-CR-21.

GENERAL NOTES

① THE CONTRACTOR IS TO ELIMINATE THE 1 FOOT FLARE SHOWN ON GUARDRAIL STANDARD DRAWINGS FOR TYPE 38 GUARDRAIL TERMINAL ANCHORS (FLARED INSTALLATIONS ONLY).

FOOTNOTES

① USE 27" GUARDRAIL MOUNTING HEIGHT, OMIT THE RUB-RAIL OPTION.

② SIDE SLOPES FOR 36' AND 40' MEDIAN BERMS IS 1.5:1.

③ P.I. OF CURVE IS LOCATED 50.01' FROM APPROACH END OF ENDWALL.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE END PROTECTION IN MEDIAN FOR DUAL BRIDGE