MIDWEST GUARDRAIL SYSTEM CONNECTION TO BRIDGE RAILING WITHOUT SIDEWALK

NOTES:
1. See Revised Standard Plan RSP A77U4 for additional connection details to bridges without sidewalks.
2. Additional details of posts, blocks and hardware are shown on Revised Standard Plan RSP A77U1, RSP A77U2 and RSP A77U3.
3. For additional details of Transition Railing (Type WB-31), see Revised Standard Plan RSP A77U4. Transition Railing (Type WB-31) transitions the 12 gauge MGS railing section to a heavier gage nested thrie beam railing section which is connected to the concrete bridge railing.
4. For typical use of Connection Detail AA, see Layout Type 12A and 12B on Revised Standard Plan RSP A77Q1, Layout Type 12C and 12D on Revised Standard Plan RSP A77Q2, and Layout Type 12A on Revised Standard Plan RSP A77Q3.
5. For typical use of Connection Detail BB, see Layout Type 12C (structure departure railing connection) on Revised Standard Plan RSP A77Q2 and Layout Type 12D on Revised Standard Plan RSP A77Q3.
6. Where the height of the bridge railing exceeds the height of the thrie beam railing by more than 1" at Connection Detail AA, taper the top of the end of the bridge railing by 4:1 to match the top elevation of the thrie beam railing.
7. For details of End Cap (Type TC), see Revised Standard Plan RSP A77U4.
8. See Revised Standard Plan RSP A77U4 for additional details regarding depth dimension for straight metal box spacer.

WEB-31 Transition Railing

MGS Railing Section

8" x 12" x 1'-10" Wood Block

9" x 9" x 1" Drilled Holes

1" Ø Galv Pipe or PVC Pipe

1/4" Ø Galv Pipe or PVC Pipe Sleeve or 1/2" Drilled Holes

1/4" Galv MS Bolt with Washers and Nuts, Total 4

End Cap (Type TC)

Connection Detail BB

PLATE 'A'

PLATE 'B'

(For backside of connection BB)

Detail A

Straight Metal Box Spacer

State of California
Department of Transportation

MIDWEST GUARDRAIL SYSTEM
Connections to Bridge Railings Without Sidewalks
Details No. 1
No Scale


2010 REvised Standard Plan RSP A77U1