midwest guardrail system connection to bridge railing with sidewalks

connection detail gg

connection detail ff

Midwest guardrail system connection to bridge railing with sidewalks

1. See Standard Plan A77V2 for additional connection details to bridges with sidewalks.
2. For additional details of Transition Railing (Type WB-31), see Standard Plan A77U1. Transition Railing (Type WB-31) transitions the 12 gauge MGS railing section to a heavier gauge nested thrie beam railing section which is connected to the concrete bridge railing.
3. For typical use of Connection Detail FF, see Layout Type 12A on Standard Plan A77Q1 and Layout Type 12B on Standard Plan A77Q2.
4. For typical use of Connection Detail GG, see Layout Type 12D on Standard Plan A77Q1 and Layout Type 12DD on Standard Plan A77Q2.
5. Where the bridge sidewalk is not continued beyond the end of the bridge railing, the portion of the sidewalk beyond each end of the bridge railing shall be transitioned down from the top elevation of the sidewalk, for its entire width, to the finished grade of the adjacent roadbed. The longitudinal slope of each sidewalk elevation transition shall not exceed 8.33 percent.
6. For details of End Cap (Type TC), see Standard Plan A77U1.
7. See Standard Plan A77V4 for additional details regarding depth dimension for straight metal box spacer.