MIDWEST GUARDRAIL SYSTEM WITH STEEL POSTS
AND NOTCHED WOOD OR NOTCHED RECYCLED PLASTIC BLOCKS

Sections:
1. For details of wood post installations, see Revised Standard Plan RSP A77L1.
2. For details of standard hardware used to construct MGS, see Standard Plan AT71.
3. For details of steel posts and notched wood blocks used to construct MGS, see Revised Standard Plan RSP A77N2.
4. For additional installation details, see Standard Plan AT76.
5. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
6. For MGS typical layouts, see the AT7P, AT7Q and AT7M Series of Standard Plans.
7. If railing is connected to bridge railing, use 31" height terminal system and treatment.
8. For MGS and anchor details, see Standard Plans AT701 and AT705.
9. For details of MGS transition to bridge railing, see Standard Plan AT704.
10. For additional details of MGS connection to bridge railings, see Standard Plans AT701, AT705 and AT705.
11. For pipe positioning and MGS deflection details, see Standard Plan A77S1.
12. Button head bolt to connect rail to post and block.
13. Steel post should be used to construct MGS, see Revised Standard Plan RSP A77N1.
14. Slotted hole for bolted connection of rail element to block and post.
15. 6" x 12" 1-2" block must be used with 6" pipe.

SLOT PATTERN IN
RAIL SPLICE

RAIL ELEMENT SPLICE DETAIL

- Connect the overlapped end of the rail elements with 3/8" x 3/4" button head cap shoulder splice bolts.
- The ends of the rail elements are to be overlapped in the direction of traffic (see details).
- The ends of the rail elements are to be overlapped in the direction of traffic (see details).

TOP OF RAIL
GROUND LINE OR SHOULDER SURFACING UNDER RAIL ELEMENT

RAIL ELEMENT

SECTION A-A

TYPICAL STEEL LINE POST INSTALLATION

See Note 4