MIDWEST GUARDRAIL SYSTEM WITH WOOD POST AND BLOCKS

RAIL ELEMENT SPLICE DETAIL

a) Connect the overlapped end of the rail elements with 
  5⁄16" x 1½" button head bolt and shoulder splice bolts, 
  inserted into the 5⁄16" x 1½" slots and bolted together 
  with 5⁄16" recessed hex nuts. Heads of hex nuts points 
  toward rail element. A total of 8 bolts and nuts 
  are to be used at each rail splice connection.

b) The ends of the rail elements are to be overlapped in the 
  direction of traffic (see details).

c) Where end cap is to be attached to the end of a rail element, 
  a total of 4 of the above described splice bolts and nuts are 
  to be used.

ELEVATION

SECTION THRU RAIL ELEMENT

WOOD POST, SEE NOTE 3

6" x 8" x 1'-2" POST

SEE NOTE 16

6" x 8" x 1'-2" WOOD POST, SEE NOTE 3

6" x 8" x 6'-0" WOOD POST, SEE NOTE 4

SEE NOTE 14

GROUND LINE OR SHOULDER SURFACING UNDER RAIL ELEMENT

RAIL SPLICE AND SLOT FOR UNDER RAILING

NEUTRAL CLEARANCE

SECTION A-A

TYPICAL WOOD LINE POST INSTALLATION

See Note 4

NOTES:

1. For details of steel post installations, see Revised 
   Standard Plan RSP A77L1.

2. For details of standard hardware used to construct 
   MGS, see Revised Standard Plan RSP A77R Series.

3. For details of wood posts and wood blocks used to construct 
   MGS, see Revised Standard Plan RSP A77M1.

4. For additional Installation details, see Revised Standard 
   Plan RSP A77N1.

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 
   AT7 Series of Standard Plans.

7. If railing is connected to terminal system end treatment, 
   use 3½" height terminal system end treatment.

8. For MGS end anchor details, see Revised Standard Plans 
   RSP A77U1, RSP A77U2 and RSP A77V1.

9. For details of MGS transition to bridge railing, see revised 

10. For additional details of MSG connection to bridge railing, 
    see Revised Standard Plans RSP A77U1, RSP A77U2 and RSP A77V1.

11. For MSG connection details to abutments and walls, 
    see Revised Standard Plan RSP A77U4.

12. For typical MGS delineation and dike positioning 
    details, see Revised standard Plan RSP A77N1.

13. Slotted hole for bolted connection of rail element to block 
    and post.

14. Slotted holes for splice bolts to overlap ends of rail element.

15. Additional hole in uppermost portion of line post is 
    for potential future adjustments of railing height. 
    See Revised Standard Plan RSP A77N1.

16. 6" x 12" x 1'-2" block must be used with 6" dike.