POST AND BLOCK

W-Beam rail

6' x 10" or 14" guardrail bolt

\( \frac{3}{4}" \) dia. (typ.)

 Variety slope but not steeper than fill slope

Edge of pavement or groundline at face of rail

Aggregate base or as shown on Typical Section

6' Post

8' or 12" block See Note 2

1/4" x 1/8" guardrail splice bolts and nuts (8 per splice)

6'-3" Post spacing

1/4" x 10" or 14" guardrail post bolt

Mid-span splice

Traffic

TYPICAL GUARDRAIL ELEVATION

NOTES:
1. When encountering impenetrable material, one post may be omitted in locations where the typical guardrail cross section includes a 2-foot minimum distance between the back of the guardrail post and the hinge point. For all other locations, see Section 617 and Details ET 617-13 or ET 617-37.

2. Size of block shown elsewhere in the plans. Modified block may be wood, plastic, or composite material. Use consistent material throughout the length of guardrail run.

3. Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.

4. Install a flexible hinged delineator every fourth post. Fasten delineator to the web of the steel post using either an adhesive or mechanical means according to the manufacturer's recommendations.

6' POST, 8" OR 12" BLOCK

6’ POST CENTERED ON HINGE, 8’ OR 12’ BLOCK

TYPICAL GUARDRAIL CROSS SECTION

OMITTED POST PLAN VIEW

See Note 1

12'-6"

14'-3"

56'-3"

43'-8"

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL HIGHWAY

MGS W-BEAM GUARDRAIL
STEEL POSTS

STATE PROJECT SHEET NUMBER

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