

The diagrams illustrate the minimum clearance requirements for different bridge pier shapes:

- Rectangular Pier:** Shows a rectangular pier on a sloped embankment. The horizontal clearance is labeled $e' - 0''$ MIN. and the vertical clearance is labeled $e' - 0''$ MIN.
- Square Pier:** Shows a square pier on a sloped embankment. The horizontal clearance is labeled $e' - 0''$ MIN. and the vertical clearance is labeled $e' - 0''$ MIN.
- Diamond-shaped Pier:** Shows a diamond-shaped pier on a sloped embankment. The horizontal clearance is labeled $e' - 0''$ MIN. and the vertical clearance is labeled $e' - 0''$ MIN.

7'-0" MIN.

4'-0"

SEE DETAIL "A"

3'-6"

4" x 3" x 3/16" RECTANGULAR GALVANIZED STRUCTURAL STEEL TUBING.

TO INSURE A TIGHT CONNECTION 1/4" GALVANIZED WASHER SHALL BE USED AS SPACERS.

3/16"

3"

3/8" GALVANIZED BOLT

2"

7/16" DIA.

4"

1"

TOP OF ISLAND

SLEEVE DETAIL A

Diagram illustrating the allowable sign installation line for a structure on a curve. The diagram shows a vertical structure, a horizontal line, and a curved line. A dimension of 50' MAX. is shown for the vertical distance from the horizontal line to the curve. A dimension of 12' MAX. OFFSET FROM TANGENT is shown for the horizontal distance from the vertical structure to the curve. A dimension of 6' is shown for the horizontal distance from the vertical structure to the intersection of the horizontal line and the curve. A dimension of 12' MAX. OFFSET FROM TANGENT is shown for the horizontal distance from the vertical structure to the curve.

REVISIONS AND CORRECTIONS

JAN. 23, 1978 - DIMENSION FROM SHOULDER TO SIGN CHANGED
PER FHWA.

AUG. 25, 1981 - ADDED STOP AND ISLAND DETAILS, REVISED CURB OFFSET

FEB. 3, 1986 - UPDATED TO 1986
SPECIFICATIONS

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STANDARD SIGN PLACEMENT

CONVENTIONAL ROAD



STANDARD
E-29