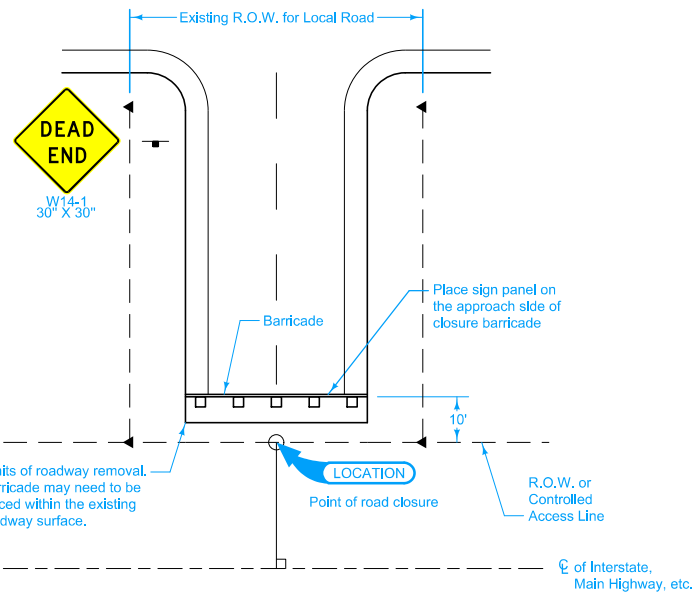
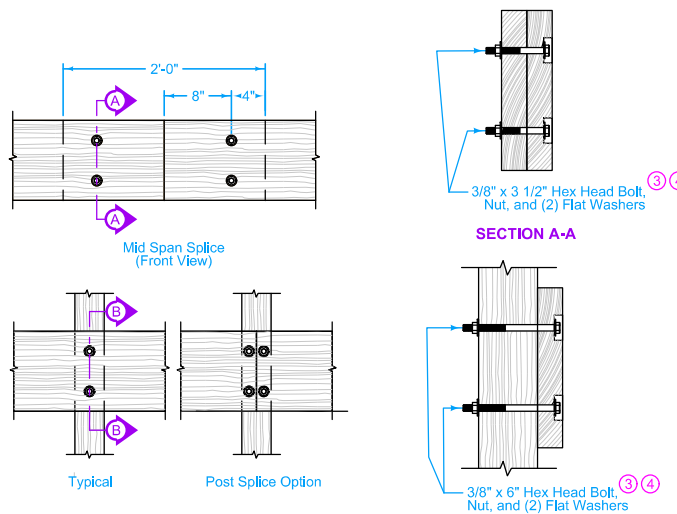
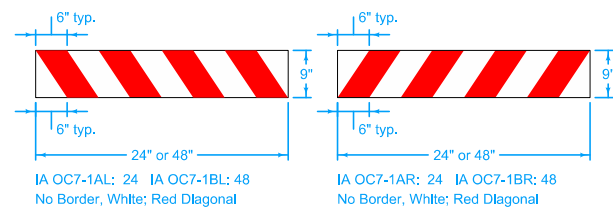




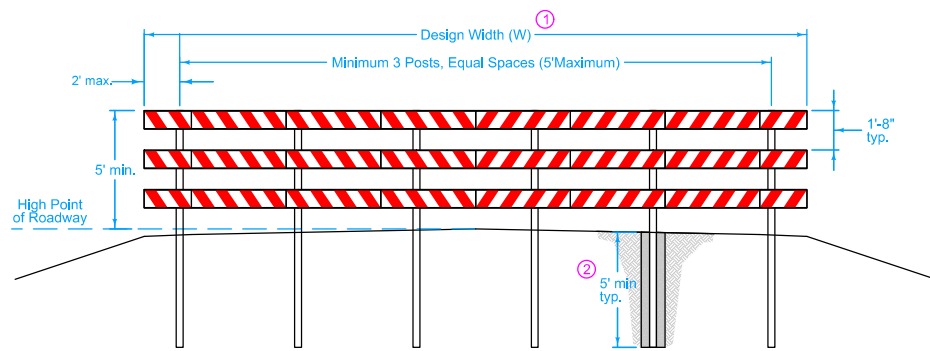
PLAN - INSTALLATION



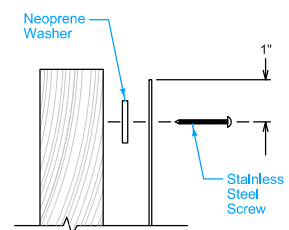
WOOD FRAME ASSEMBLY



SIGN PANEL FABRICATION



APPROACH VIEW



SIGN PANEL INSTALLATION

Price bid for "Permanent Road Closure, Rural, SI-181" includes furnishing and installing the barricade, signs, posts, and hardware.

The length will be measured in linear feet based upon the width of standard sign panels installed.

The Contractor will be paid the contract unit price per linear foot.

Minimum Barricade length = design width (W).

- ① Design width (W) equals width of existing roadway and shoulders.
- ② Install posts as per Standard Specification 2524.03.B.1.
- ③ Assemble the wood frame with standard strength, hot dip galvanized bolts, nuts and washers as per the following specifications:

Bolts - ASTM A307
Nuts - ASTM A563
Washers - ASTM F884
Galvanization - ASTM F2329.

- ④ Recess all bolt heads in a $\frac{1}{4}$ inch diameter x $\frac{1}{2}$ inch deep hole to allow sign panels to lay flush on the planks.
- ⑤ Use 0.063 inch aluminum blank for sign panel. Sign panel to meet the requirements of Standard Specification 2524. Attach sign panels to the planks along the top and bottom at 2 foot centers using #10 x 1 $\frac{1}{4}$ inch self-drilling, phillips, pan head, 18-8 stainless steel screws. Use a 1 in. OD x $\frac{3}{8}$ in. thick neoprene washer between the sign panel and the treated wood plank to prevent corrosion.
- ⑥ Use pressure treated 4 in. x 4 in. x 12 ft. nominal boards for posts, and pressure treated 2 in. x 10 in. x variable length nominal boards for planks. Use planks of sufficient length to span at least 2 posts.

Possible Contract Item:
Permanent Road Closure, Rural, SI-181

Possible Tabulation:
102-4

 Iowa Department of Transportation STANDARD ROAD PLAN REVISIONS: Added "W" to match tab. Added general note and modified circle note 1 to clarify "W". <i>Deanna Maifield</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION	
	1	10-18-11
	SI-181	
	SHEET 1 of 1	
PERMANENT ROAD CLOSURE - RURAL		