

RAILROAD CROSSING SIGNS FOR PASSIVE GRADE CROSSINGS

Notes:

See MUTCD for placement of Grade Crossing Warning Signs.

When distance between tracks exceeds 100' additional sign assemblies may be necessary to inform the public.

Metal washers and nylon washers used on the sign face shall be a minimum outside diameter of $1\frac{5}{16}'' \pm \frac{1}{16}''$ and 10 gauge thickness.

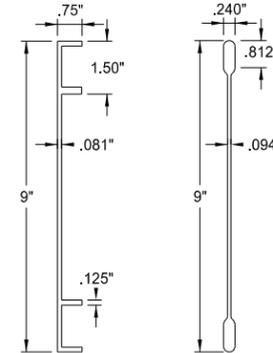
Track number signs (R15-2P-27) indicating the number of tracks shall be used where there are two or more tracks. The number displayed shall be the number crossed.

Sign support shall be No. 1 white pine, fir, spruce, western hemlock, cedar, western larch. Sign supports shall be free of heart centers, and shall comply with the Standard Grading Rules of the American Lumber Standards. Post shall be treated, treatment shall conform to Section 846 of the Standard Specifications. The wood post shall be surfaced on all four sides (S4S).

The sign material shall meet ASTM D-4956 Type XI. The contractor may choose either to screen the message on the crossing and track number sign or apply non-reflective plastic film letters.

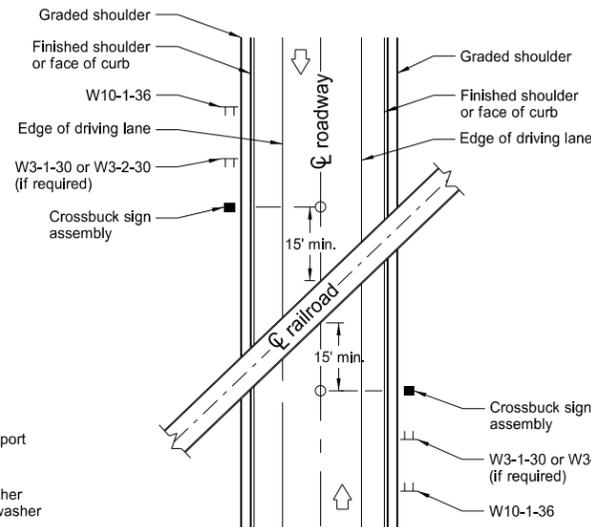
When extruded aluminum sign backing is used and the stiffener ribs are placed $1\frac{1}{2}''$ from the edge, the holes shall be spaced at $5\frac{5}{8}''$ from the center of the signs.

Bolt location rotated 90° as shown in the Crossing Sign Detail.

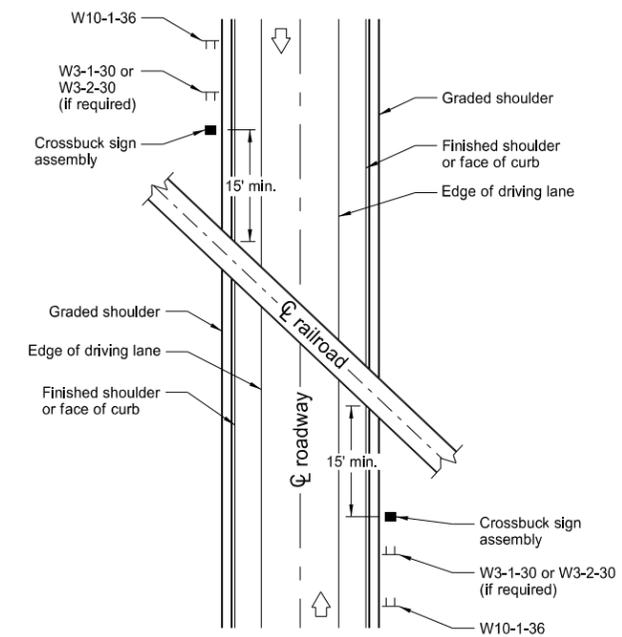


Extruded Dog Bone
Crosscut Sign Details

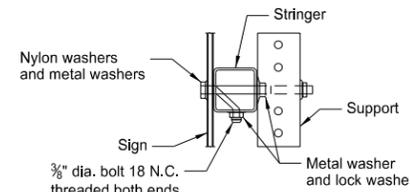
Horizontal Clearance Table	
Shoulder Width ft	Offset ft
0 to 2	16
>2 to 4	18
>4 to 6	20
>6 to 8	22
>8 to 10	24



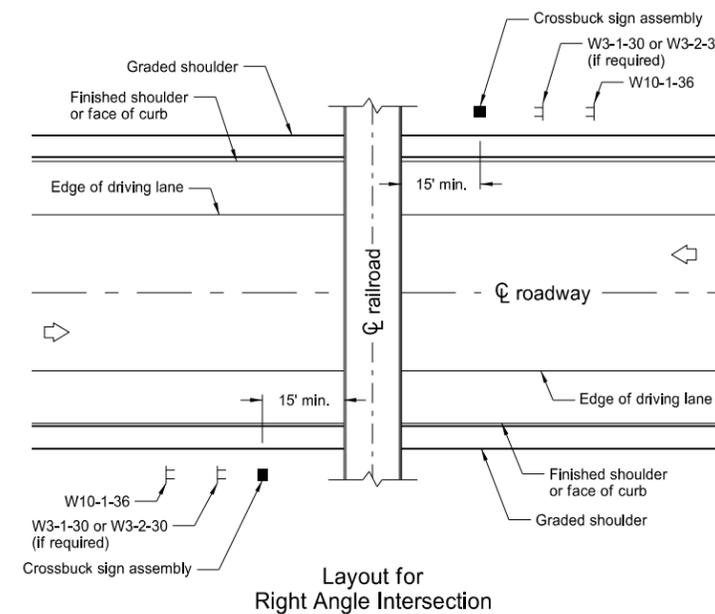
Layout for Obtuse Angle Intersection



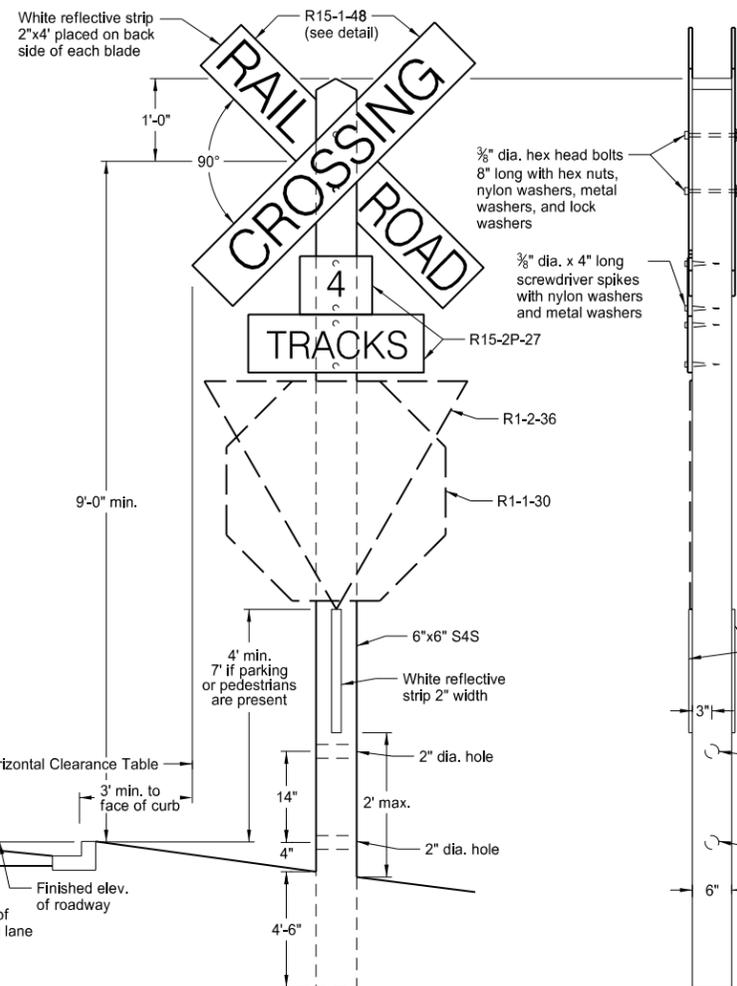
Layout for Acute Angle Intersection



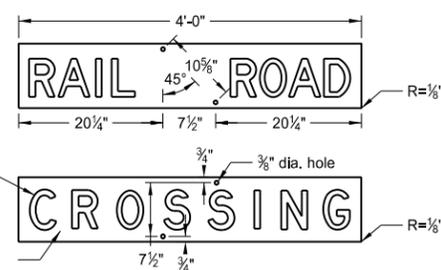
Section A-A



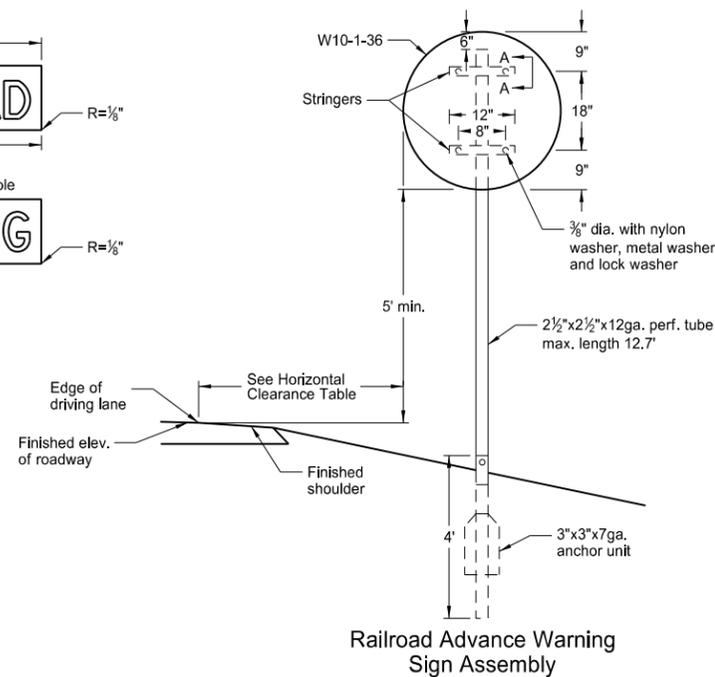
Layout for Right Angle Intersection



Crosscut Sign Assembly



Crossing Sign Detail R15-1-48



Railroad Advance Warning Sign Assembly

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-10-13	
REVISIONS	
DATE	CHANGE
11-4-13	Anchor Unit detail was removed

This document was originally issued and sealed by Roger Weigel, Registration Number PE-2930, on 11/4/13 and the original document is stored at the North Dakota Department of Transportation