

STATE OF OREGON

INTEROFFICE MEMO

Department of Transportation

Rail Division

555 13th Street NE, Suite 3

Salem, Oregon 97301-4179

Date: August 26, 2005

Revised June 28, 2007

To: All Road Authorities/Railroads

From: Crossing Safety Section

Subject: Appendix to Crossing Order Specifications

The Oregon Department of Transportation Rail Division (Division) commonly requests a separate drawing (scale to be determined by the Applicant) be provided with a crossing Order application. The drawing is included as an Appendix to the Order to assist the railroad and road authority in the construction of the project to assure compliance with the Order. The preferable size of the drawing is 11 x 17 inches. The drawing must clearly show the crossing intersection, adjacent highway intersection(s) in close proximity to the railroad line, and roadway approaches to the crossing. The "grade crossing detail" drawing must clearly depict the information listed below. The Division's project manager may request depiction of additional details unique to a project. In most cases, the drawing would not include certain construction details such as utility lines, drainage, typical sections, stationing, etc.

The drawing must include a ruled scale, north arrow, a 2 x 4 inch area for the Division label, and the following details:

1. Angle of intersection of track(s) and roadway at the crossing.
2. Right-of-way lines for the railroad company and road authority.
3. Names of all streets and the Railroad's name.
4. Grade crossing signal locations; provide distance from centerline of nearest track to centerline of signal mast, and/or the distance from face of curb or guardrail to the centerline of signal mast. Automatic gates should be depicted in the "down" position.
5. Standard Curb and/or standard guardrail detail adjacent to the crossing signals. Standard curb or guardrail is required at crossing signals. Fifty feet of standard curb is required in advance of the crossing signals, unless guardrail is installed at the signals.
6. Roadway configuration with the centerline and center stripe of the street clearly delineated on the drawing. Include the travel lane widths, bike lane widths, sidewalk widths, shoulder widths, median widths, etc.
7. Configuration of sidewalks routed behind crossing signal equipment. The near edge of the sidewalk should not be closer than 5 feet from the centerline of the crossing signal mast and dimensioned on the drawing. Sidewalks should intersect the tracks at right angles or they should be sufficiently wide to allow the 4-foot square footprint of a wheelchair to cross the tracks at 90 degrees.
8. Location of driveways or crosswalks (including curb cuts) within 100 feet of the crossing. *This distance is measured from the stop clearance line to the near edge of the driveway.*
9. Location of all pavement markings and passive regulatory signs for the crossing should be clearly shown on the drawing. These include advance warning pavement markings, advance warning signs, stop clearance lines, railroad Crossbucks, vehicle STOP or YIELD signs, STOP AHEAD or YIELD AHEAD signs, STOP HERE ON RED sign(s), NO TURN ON RED sign(s), DO NOT STOP ON TRACKS sign(s), etc.