

OREGON DEPARTMENT OF TRANSPORTATION

RAIL DIVISION

APPLICATION FOR CROSSING ORDER INSTRUCTIONS

If you need assistance in completing this form, please call the Rail Division in Salem at (503) 986-4321.

Check one of the following items. Then complete all of Section 1 plus any sections that are listed for that item.

- (1) _____ Closure of an existing railroad-highway public at-grade crossing. *Answer Section 4.*
- (2) _____ Alteration/relocation of an existing public highway at an existing railroad-highway at-grade crossing. *Answer Section 2.*
- (3) _____ Alteration or relocation of existing railroad track(s) at an existing public highway (at-grade crossing). *Answer Section 2.*
- (4) _____ Alteration of an existing separated railroad-highway public crossing. *Answer Section 3.*
- (5) _____ Alteration of an existing railroad-highway public at-grade crossing by adding warning devices (including installation of automatic signals at a crossing). *Answer Section 2.*
- (6) _____ Construction of a new public highway/bikeway across an existing railroad track at grade. *Answer Section 2.*
- (7) _____ Construction of a new railroad track or tracks across an existing public highway at grade. *Answer Section 2.*
- (8) _____ Construction of a new public highway above or below the grade of an existing railroad track. *Answer Section 3.*
- (9) _____ Construction of a new railroad track or tracks above or below the grade of an existing public highway. *Answer Section 3.*

NOTE: To save paper when completing this form, if you find that no responses to a particular Section are required, please omit that page(s) from your application. All such omissions shall be specified on Page 9 of the application.

Listed below are some of the operating railroads in Oregon. If you have a question regarding railroad traffic, speed, location of switches near crossings, etc., please call the appropriate railroad contact person listed below.

ALBANY & EASTERN RAILROAD CO.	Dave Farrell General Manager	110 Industrial Way	Lebanon OR 97355 (541) 259-6470
BNSF RAILWAY CO	John Stilley Public Projects Mgr.	740 East Carnegie	San Bernardino, CA 92408 (909) 386-4472
CENTRAL OREGON & PACIFIC RAILROAD.	Patrick Kerr AGM - Engineering	333 SE Mosher	Roseburg OR 97470 (541) 957-2511
CITY OF PRINEVILLE RAILWAY	Dan Lovelady General Manager	185 E. 10th Street	Prineville OR 97554 (541) 447-6251
HAMPTON RAILWAY, INC.	George Bonner Manager	9400 SW Barnes Rd Suite 400	Portland OR 97225 (503) 297-7691
IDAHO NORTHERN & PACIFIC RAILROAD	Neil B Cox VP & General Mgr.	119 Commercial Ave	Emmett ID 83617 (208) 365-1036
KLAMATH NORTHERN RAILWAY CO.	Joe Cameron Supervisor	PO Box 638	Gilchrist OR 97737 (541) 433-3391
MODOC NORTHERN RAILROAD CO.	Don Blansett Gen Supt	PO Box 819 481 Modoc Ave	Tulelake CA 96134 (530) 667-2501
MOUNT HOOD RAILROAD	Michelle Marquart General Manager	110 Railroad Avenue	Hood River, OR 97031 (541) 386-3556
OREGON PACIFIC RAILROAD CO	Richard A. Samuels General Manager	P O Box 22548	Portland OR 97269 (503) 659-5452
PALOUSE RIVER & COULEE CITY RAILROAD.	Rob Thrall Dir of Operations	325 Mill Rd	Lewiston ID 83501 (208) 743-2211
PENINSULA TERMINAL CO	Gary Mitchell General Manager	11645 N Force Ave	Portland OR 97217 (503) 285-5023
PORT OF TILLAMOOK BAY RAILROAD	Robert Van Borssum Port Manager	4000 Blimp Blvd.	Tillamook OR 97141 (541) 842-2413 ext 116
PORTLAND & WESTERN RAILROAD, INC.	Dale Hansen VP Engineering	650 Hawthorne Suite 220	Salem OR 97301 (503) 365-7717 ext 104
PORTLAND TERMINAL RAILROAD	Robert Stephan Manager	3500 NW Yeon Ave	Portland OR 97210 (503) 241-9898
TRI-MET	Robert Banks Manager Signals	710 NE HOLLADAY ST	PORTLAND OR 97232- 2168 (503) 962-2172
UNION PACIFIC RAILROAD CO	John Flynn Public Projects Manager.	5424 SE Mcloughlin Blvd.	Portland OR 97202 (503) 872-1809
WALLOWA UNION RAILROAD	Mike Hayward Acting Manager	PO Box 416	Wallowa OR 97885 (541) 886-3200
WCTU RAILWAY CO	Robert Mahoney Operations Manager	2095 Ave F	White City OR 97503 (541) 826-2631
WILLAMETTE & PACIFIC RAILROAD, INC.	Dale Hansen VP Engineering	650 Hawthorne Suite 220	Salem OR 97301 (503) 365-7717 ext 104
WILLAMETTE VALLEY RAILWAY CO.	David P Root President	PO Box 917	McMinnville OR 97128 (503) 474-1892
WYOMING & COLORADO RAILROAD	Loren Canaday, Manager, Oregon Eastern Division	164 Washington St	Vale OR 97918 (541) 473-2570

ODOT DEVICE CODE	TRAFFIC CONTROL DEVICES (See OAR 741-110-0030)	MUTCD Reference
No. 1	Crossbuck Sign	R15-1
No. 1M	Number of Tracks Sign	R15-2
No. 1S	Vehicle STOP Sign	R1-1
No. 1T	Railroad STOP Sign	
No. 2	Flashing-Light Signal	8D.02
No. 2B	Cantilevered Flashing-Light Signal	8D.03
No. 2P	Flashing-Light Signal For Pedestrian Or Bike Crossings Only	
No. 4 *	Automatic Gate	8D.04
AES	Advance Exempt Sign (YELLOW background)	W10-1a
AFL	Additional Flashing Light (s)	8D.02
AWPM	Advance Warning Pavement Markings	8B-6 (OR)^
AWS	Advance Warning Sign - Round	W10-1 ^
AWS-2	Advance Warning Sign - X Intersection + Track	W10-2
AWS-3	Advance Warning Sign - T Intersect + Track	W10-3
AWS-4	Advance Warning Sign - T Intersect + Track	W10-4
AWS-5	Advance Warning Sign - Storage Space Warning Sign	W10-11
AWS-6	Low Ground Clearance Warning Sign	W10-5
CURB	Standard Curb (Oregon Standard Drawing No. RD700)	
DNSOT	DO NOT STOP ON TRACKS Sign	R8-8
ES	Exempt Sign (WHITE background)	R15-3
GR	Guardrail (Oregon Standard Drawing No. ERD445)	
ILL	Grade Crossing ILLUMINATION	8C.01
LOOK	LOOK sign	R15-8
PTR	Part-time TURN restriction sign	R3-1a, R3-2a
NTOR	NO TURN ON RED sign	R10-11a
OBW8-19L	Bicycle Railroad Crossing Symbol Sign	
OBW8-19R	Bicycle Railroad Crossing Symbol Sign	
SAS	Stop Ahead Sign	W3-1
SCL	Stop Clearance Lines	8B-6 (OR)^
TSPC **	Traffic Signal Preemption Control	8D.07 **
SHOR	STOP HERE ON RED sign	R10-6
YIELD	YIELD sign	R1-2
YAS	YIELD AHEAD sign	W3-2-

Other abbreviations:

CSBR	That portion of the crossing lying between lines drawn perpendicular to the end of ties of each track.	
CSOR ***	That portion of the crossing lying outside lines drawn perpendicular to the end of ties of each track.	

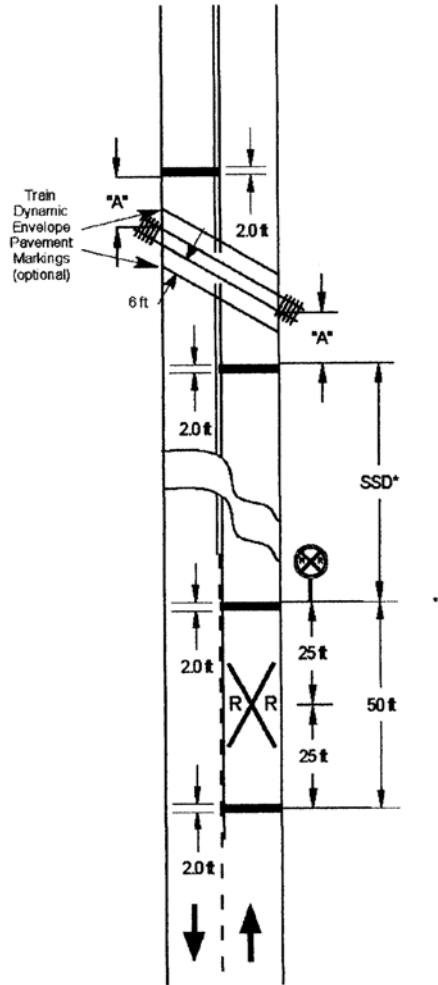
^ **W10-1 AWS, AWPM and SCL shall be located as depicted in the attached Figure 8B-6 (OR)**

* To be used in conjunction with flashing-light signals, or cantilevered flashing-light signals.

** **A complete description of traffic signal operation, including traffic signal plans and a signal matrix detailing the operation of the traffic signal before, during and after railroad preemption of its operation shall be provided by Applicant. See Oregon Supplement to MUTCD, 2003 Edition.**

*** **All new or altered grade crossings shall comply with OAR 741-120-0020 (3) and A POLICY ON GEOMETRIC DESIGN OF STREETS AND HIGHWAYS 2004, American Association of State Highway and Transportation Officials, Fifth Edition, page 732, Exhibit 9-102.**

Figure 8B-6(OR). Example of Placement of Warning Signs and Pavement Markings at Highway-Rail Grade Crossings



A three-lane roadway should be marked with a centerline for two-lane approach operation on the approach to a crossing

On multi-lane roads, the transverse bands should extend across all approach lanes, and individual R X R symbol's should be used in each approach lane.

** When used the toe of the pavement marking should be directly opposite the Advanced Warning Sign (W10-1). If needed, supplemental pavement marking symbol(s) may be placed between the Advance Warning Sign and the crossing, but should be at least 50 ft. from the stop line

*A' Stop clearance line location is 12ft minimum from the nearest rail or 1ft in advance of the location where an automatic gate arm crosses the roadway

Note:
In an effort to simplify the figure to show warning sign and pavement marking placement, not all required traffic control devices are shown.

*Safe stopping distances (SSD) based on vehicle speed approaching grade crossings:

SPEED MPH	SSD FEET
15	80
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

Legend
➔ Direction of travel

TABLE 1
SAFE STOPPING DISTANCES (SSD)
(The SSD is measured 15 feet from nearest rail)

Vehicle Approach Speed	SSD*
15 mph	80 feet
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet

*Source: Based on **A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2004**, American Association of State Highway and Transportation Officials, Fifth Edition, Exhibit 3-1, page 112.

Definitions:

- “APPLICANT” means a Public Authority in Interest or Railroad entitled under ORS 824.204 to file an application for a crossing Order, seeking authority to construct, relocate, alter or close a railroad-highway crossing. An APPLICANT is a PARTY.
- **"Draft application": A completed, but unsigned, application for a crossing Order submitted by an Applicant seeking advance review of the application by “staff.”**
- “Highway” includes all roads, streets, alleys, avenues, boulevards, parkways and other places in this state actually open and in use, or to be opened and used for travel by the public. [ORS 824.200 (2)]
- “Person,” except as provided in ORS 823.037, means any individual, partnership, corporation, association, governmental subdivision or public or private organization of any character other than an agency.
- “Agency” means any state board, commission, department, or division thereof, or officer authorized by law to make rules or to issue orders, except those in the legislative and judicial branches.
- “PARTY” means:
 - (a) Any person or agency entitled as a right to a hearing before the agency.
 - (b) Any person or agency named by the agency to be a party; or
 - (c) Any person petitioning to participate before the agency as a party or in a limited party status whom the agency determines either has an interest in the outcome of the agency’s proceeding or represents a public interest in such result.
- “Railroad” is defined in ORS 824.020, and includes logging and other private railroads. [ORS 824.200 (8)]
- “Staff” means any employee of the Department of Transportation's Rail Division.