

**RAILROAD-HIGHWAY PUBLIC CROSSING  
SAFETY APPLICATION** Draft  
 Final\*  
\* Includes signature**INSTRUCTIONS**

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

Check one of the following items. Complete Section 1, plus the section listed for that item. Only sections for checked items will appear on the following pages.

- 1. Closure of an existing railroad-highway public at-grade crossing. ORS 824.206
- 2. Alteration or relocation of an existing public highway at an existing railroad-highway at-grade crossing. ORS 824.206
- 3. Alteration or relocation of existing railroad track(s) at an existing public highway at-grade crossing. ORS 824.206
- 4. Alteration of an existing separated railroad-highway public crossing. ORS 824.210
- 5. Alteration of an existing railroad-highway public at-grade crossing by adding warning devices, including installation of automatic signals at a crossing. ORS 824.206
- 6. Construction of a new public highway/pathway across an existing railroad track at grade. (Includes converting a private crossing to a public crossing.) ORS 824.204
- 7. Construction of a new railroad track or tracks across an existing public highway at grade. ORS 824.204
- 8. Construction of a new public highway above or below the grade of an existing railroad track. (Includes converting a private crossing to a public crossing.) ORS 824.210
- 9. Construction of a new railroad track or tracks above or below the grade of an existing public highway. ORS 824.210

**Definitions:**

- "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.
- "APPLICANT" means a Public Authority in Interest or Railroad entitled under ORS 824.204, ORS 824.206 and ORS 824.210 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)]
- "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.
- "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.
- "Protective device" means a sign, signal, gate or other device to warn or protect the public, installed at or in advance of a railroad-highway crossing [ORS 824.200 (5)].
- "Public authority in interest", except in proceedings under ORS 824.236, means the state, county, municipal or other governmental body with jurisdiction over the highway crossing the railroad track. In proceedings under ORS 824.236, "public authority in interest" means the county, municipal or other governmental body that has primary zoning authority over the lands served by the crossing. [ORS 824.200 (6)].
- "Railroad" is defined in ORS 824.020, and includes logging and other private railroads.
- "Railroad Company" is defined in ORS 824.200 (8).
- "Staff" means any employee of the Department of Transportation's Rail and Public Transit Division.
- "Interested agency/person" is an individual, agency, or organization that is copied on docket information but does not have party status.



## RAILROAD-HIGHWAY PUBLIC CROSSING SAFETY APPLICATION

Rail and Public Transit Division  
555 13th St. NE, Ste. 3  
Salem, OR 97301

DOCKET NO.
ODOT CROSSING NO. TMW-009.70
US DOT NO.

### SECTION 1: APPLICATION INFORMATION

This section must be filled out completely by applicant.

#### 1.1 Applicant contact information

APPLICANT NAME TriMet			PHONE (503) 962-2261
ADDRESS 1800 SW First Ave., Suite 300			FAX
CITY Portland	STATE OR	ZIP 97201	E-MAIL BattyS@trimet.org
CONTACT PERSON Sean Batty			PHONE (503) 962-2261

#### 1.2 Construction contract status

This project is to be constructed under a contract let by ODOT Highway Division.

#### 1.3 Crossing information

This information can be found at <http://wpdotappl21.odot.state.or.us/transgis>

STREET OR HIGHWAY NAME SW MERLO RD/ SW 158TH AVE	RAILROAD NAME TriMet
CITY Beaverton	NAME OF TRACK LRT EB & WB Mains
COUNTY Washington	RAILROAD MILEPOST W09.07
ROAD AUTHORITY Washington County	PHONE (503) 846-7800

#### 1.4 Railroad and public authority information

List contact information for the railroad and road authority directly affected by the project. (See definitions of "party," "public authority," "railroad" and "interested agency/person.") *Note: Pursuant to ORS Chapter 824, only a railroad or a public authority may file an application seeking authority to construct, relocate, alter, or close a railroad-highway crossing.*

To add another public authority, interested agency, or interested agency/person, click the "Add Another" button.

##### Railroad

NAME TriMet		CONTACT PERSON NAME Sean Batty	TITLE Director, Stations and Guidewa
ADDRESS 1800 SW First Ave., Suite 300		E-MAIL BattyS@trimet.org	
CITY Portland	STATE OR	ZIP 97201	PHONE (503) 962-2261

##### Public Authority

NAME Washington County		CONTACT PERSON NAME Joe Younkins	TITLE Interim County Engineer
ADDRESS 1400 SW Walnut Street		E-MAIL joe_younkins@co.washington.or.us	
CITY Hillsboro	STATE OR	ZIP 97123	PHONE (503) 846-7832

#### 1.5 Describe or attach the scope of the proposed project in detail:

Enhance safety by adding new active and passive pedestrian warning signs, permanent pavement markings, flashing light signals, and illumination.

#### 1.6 Provide plans, profiles, and cross-section drawings of the proposed construction.

Engineered plans must be signed and sealed by a professional engineer (P.E.).

Number of plans attached ..... 2

1.7 Will a separated crossing be constructed? .....  Yes  No

IF NO, STATE REASONS WHY A SEPARATED CROSSING WILL NOT BE CONSTRUCTED:

The existing crossing is at-grade. Rail operations do not create significant public inconvenience and additional safety measures are being implemented by this project.

1.8 Is there an alternate access route to the area to be served by the crossing? .....  Yes  No

1.9 What is the purpose and need for the project?

This project's objective is to improve pedestrian safety. Pedestrians currently have a skewed meandering path, which will be corrected. The project will install the current preferred safety features, such as channelization, signs, active warning devices

1.10 Upon completion of the project, will it be possible to close any existing grade crossings in the area?  Yes  No

EXPLAIN

There aren't any nearby crossings for pedestrians to cross the tracks which would become redundant. The nearest at-grade crossings are SW 153rd and SW 170th. Both are heavily used by the public.

If yes, check Question 1 on Page 1 and complete Section 4.

## SECTION 2: AT-GRADE PUBLIC CROSSING

### 2.1 Physical description of crossing

#### 2.1.1 The Highway

Alignment: Describe the highway alignment for 500 feet on each approach

<input checked="" type="checkbox"/> North or <input type="checkbox"/> East of the track	DESCRIPTION Two-way street. Curve radius, approximately 800', and a mild sloping down.		
<input checked="" type="checkbox"/> South or <input type="checkbox"/> West of the track	DESCRIPTION Two-way street. Curve radius, approximately 800', and a mild sloping up.		
Width: Describe the roadway cross-section configuration (must agree with plans):			
From: <input checked="" type="checkbox"/> North or <input type="checkbox"/> East To: <input checked="" type="checkbox"/> South or <input type="checkbox"/> West	Present configuration (width in feet)	After construction (width in feet)	Surface type (after construction)
Sidewalk.....	5	13	Concrete
Buffer (grass) strip.....	0	0	N/A
Curb (include gutter).....	1.5	1.5	Concrete
Shoulder.....	0	0	N/A
Bikeway.....	0	0	N/A
Lanes.....	NUMBER 1	14	Asphalt
Lanes.....	NUMBER 0	0	N/A
Median.....	14	14	Asphalt
Lanes.....	NUMBER 0	0	N/A
Lanes.....	NUMBER 1	14	Asphalt
Bikeway.....	0	0	N/A
Shoulder.....	0	0	N/A
Curb.....	1.5	1.5	Concrete
Buffer (grass) strip.....	12	12	Ballast
Sidewalk.....	10	10	Concrete
	72	80	

**Profile**

OAR 741-120-0020 states that the roadway approach at a distance of 30 feet minimum from the outside rail cannot be more than 3 inches lower or 3 inches higher than the top of the rail.

Will the roadway approaches comply with OAR-741-120-0020? .....  Yes  No

IF NO, STATE REASON:

This is an existing condition under the current Final Order in force that will not be changed due to the proposed pedestrian safety enhancement work.

**Sidewalks**

Sidewalks must comply with the Americans with Disabilities Act (ADA) by providing safe, fully accessible facilities.

Will the sidewalks comply with the ADA?.....  Yes  No

**Adjacent Roadways Within 500 feet (List public authority(ies) in interest in Section 1.4)**

– Public roadway intersecting  South or  West of the track

NAME OF ROADWAY N/A	DISTANCE FROM TRACKS
PUBLIC AUTHORITY IN INTEREST	TRAFFIC VOLUME AADT

– Public roadway intersecting  North or  East of the track

NAME OF ROADWAY N/A	DISTANCE FROM TRACKS
PUBLIC AUTHORITY IN INTEREST	TRAFFIC VOLUME AADT

Describe private driveways within 100 feet of the nearest rails and show on plans:

DESCRIPTION TriMet bus turnaround
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Are traffic signals (to be) installed at either of the the above intersections? .....  Yes  No

**Vehicular Use of the Crossing**

Average daily vehicle traffic count .....	PRESENT 10,307	ANTICIPATED 10,307
Vehicle speed for each approach .....	<input type="checkbox"/> One-way	<input checked="" type="checkbox"/> Two-way
<input checked="" type="checkbox"/> North or <input type="checkbox"/> East of the track: .....	MILES PER HOUR 40	<input checked="" type="checkbox"/> South or <input type="checkbox"/> West of the track: .....
		MILES PER HOUR 40

**2.1.2 The Railroad**

List track from North or East to South or West:

	NAME OF TRACK	ANGLE OF INTERSECTION	ELEVATION RELATIVE TO ADJACENT TRACK (MULTIPLE TRACK CROSSING)	DISTANCE FROM ADJACENT TRACK (MULTIPLE TRACK CROSSING)	ALIGNMENT TO CROSSING	NEAREST SWITCH CLOSER THAN 300 FEET
1	LRT WB Main	61	28'	28'	North	805
2	LRT EB Main	61	28'	28'	South	685

**Train use of crossing**

Daily train movements over the crossing, average per day:

NAME OF TRACK	NUMBER OF MOVEMENTS	MAXIMUM SPEED AUTHORIZED	TYPICAL TRAIN SPEED OBSERVED	AVERAGE MAKEUP OF TRAIN (NO. OF CARS)
Freight train	N/A	N/A	N/A	N/A
Passenger train	187/Day	35	25-35	2
Switching movement	N/A	N/A	N/A	N/A

**Devices to be installed at crossing**

MUTCD/ODOT REFERENCE		WHO WILL FURNISH THE DEVICE? (LIST QUANTITY)		WHO WILL INSTALL THE DEVICE? (LIST QUANTITY)		WHO WILL MAINTAIN THE DEVICE AND PAY FOR MAINTENANCE? (LIST QUANTITY)		RESPONSIBILITY FOR COST OF FURNISHING AND INSTALLING THE DEVICE (INDICATE SOURCE OF FUNDS AND PERCENTAGE OF RESPONSIBILITY; MUST EQUAL 100%)			
		RR	PA	RR	PA	RR	PA	RR	PA	OTHER	DESCRIBE OTHER
DEVICE CODE	DEVICE DESCRIPTION										
1	Ped Channelization   Rails to Channel Ped	120		120		120		100			
2	TriMet PF   Flasher for Sidewalks (Trimet)	1		1		1		100			
3	ILL   Illumination	3		3			3	100			
4	Tactile Strip   Tactile Warning Strip on Side	2		2		2		100			
5	STOP HERE   STOP HERE Pedestrian Wa	4		4		4		100			
6	"Look Both Ways" Signs	4		4		4		100			
7	"Don't Stand Here" Pedestrian Pavement M	2		2		2		100			
8	R15-8   LOOK sign	2		2		2		100			
9	NO TRESPASSING sign   NO TRESPASS	1		1		1		100			
10	R9-3   No Pedestrian Crossing sign	1		1		1		100			
11	CURB   Vertical Drainage Curb	73		73			73	100			

**Applicant hereby requests an Order authorizing construction according to this application.**

This application must be signed by an official of the public authority or railroad making application for an order. The signer must have contract signing authority for expenditure of funds to construct and maintain the proposed project.

PRINT NAME Sean Batty	TITLE Director, Station and Guideways
SIGNATURE 	SIGNED AT (CITY AND STATE) Portland, Oregon
	SIGNATURE DATE 1.18.19

*If you choose to submit this application electronically by clicking the Submit button, you agree that typing your name in the signature field and submitting from a password-protected e-mail account is the equivalent of a manual signature for the purposes of this application.*

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