

# PBOT

PORTLAND BUREAU OF TRANSPORTATION

1120 SW Fifth Avenue, Suite 800 Portland, OR 97204 503.823.5185

Fax 503.823.7576 TTY 503.823.6868 [www.portlandoregon.gov/transportation](http://www.portlandoregon.gov/transportation)

**Chloe Eudaly** Commissioner **Chris Warner** Interim Director

## CITY TRAFFIC ENGINEER DIRECTIVE

Number	Supersedes	Effective Date	Cancellation Date
LW-002		10/17/2019	
Subject	Issuer		
Marked Crosswalk Striping Design	Lewis Wardrip, P.E., City Traffic Engineer		

### PURPOSE:

Provide guidance on updates to marked crosswalk striping design, per adoption of PedPDX.

### DIRECTIVE:

PBOT's Traffic Design Manual currently includes two types of crosswalk markings – continental and parallel. The continental type has 2' wide bars, 9' or 12' in length typically spaced 5' on center. These have been used for crosswalks at schools, at pedestrian signals, half signals, pedestrian hybrid beacons and at uncontrolled approaches. The parallel type has two 1' wide parallel lines (running approximately perpendicular to oncoming traffic. These have been used at signalized intersections and on stop-controlled intersection approaches.

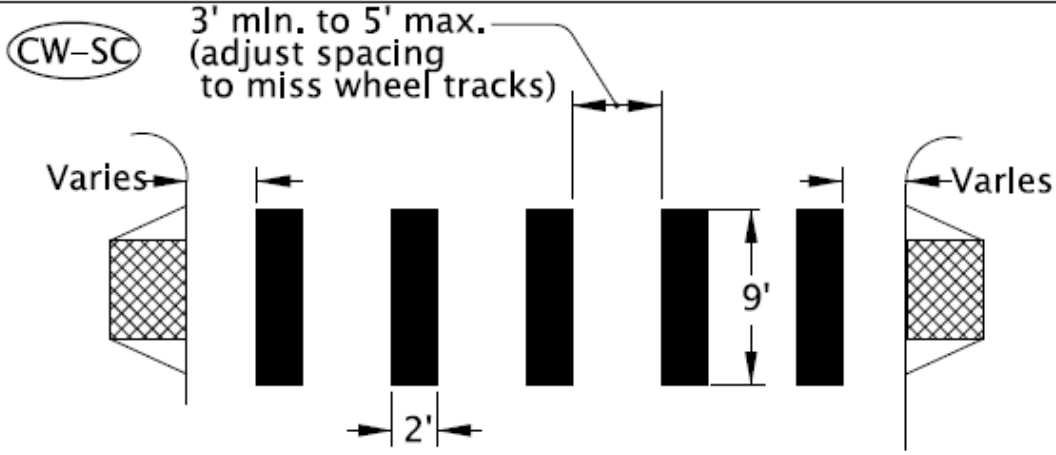
**Per the adoption of PedPDX (see Action 2.4), the new practice will be to mark all crosswalks, including ones at signalized intersections, with continental type markings.** For new projects or maintenance activities where parallel lines currently exist and no road repaving or striping removal is planned, continental markings may be installed approximately on center between existing transverse lines (removal of the existing parallel lines is not required). Transitioning existing crosswalk markings to continental type markings will be absorbed by the paving or capital project impacting the crosswalk.

This directive replaces guidance calling for transverse line pavement markings in Table C-2 (Pavement markings for crosswalks) in the 1998 Pedestrian Design Guidelines.

Designs for new crosswalks will be based on ODOT Standard Drawings TM 503 Detail Block CW-SC and TM 530 Staggered Continental Layout. <https://www.oregon.gov/ODOT/Engineering/Pages/Drawings-Traffic.aspx> The width should be 9' as shown in the detail but it may as narrow as 6'. The crosswalk may be wider than 9' at widths divisible by 3. For continental crosswalks across bike lanes the width of the bars and gaps may be reduced to 1'.

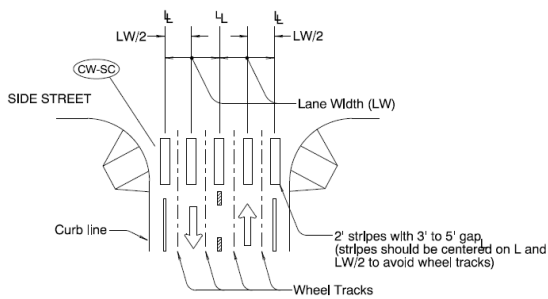


*The Portland Bureau of Transportation fully complies with Title VI of the Civil Rights Act of 1964, the ADA Title II, and related statutes and regulations in all programs and activities. For accommodations, complaints and information, call (503) 823-5185, City TTY (503) 823-6868, or use Oregon Relay Service: 711.*

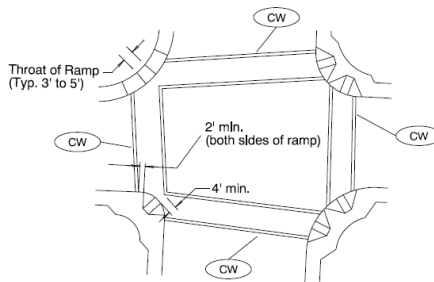


## STAGGERED CONTINENTAL CROSSWALK 2' WHITE BARS

Install per Standard Drawing TM530



STAGGERED CONTINENTAL LAYOUT



STANDARD CROSSWALK BARS  
AT INTERSECTION

**General Note:**

1. Install crosswalk bars such that the throat of the ADA ramp is entirely within crosswalk markings, or 5' back of extended fog line, edge of pavement, or curb face.

**LEGEND**

← Direction of Travel

L - Lane line dimensions are shown on the striping plans

To be accompanied by Standard Dwg. Nos. TM500 thru TM503

CALC. BOOK NO. <u>  N/A  </u>	BASELINE REPORT DATE <u>  July 8, 2016  </u>										
<p><i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</i></p>	NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications										
	<p><b>OREGON STANDARD DRAWINGS</b> <b>INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR &amp; BIKE LANE STENCIL)</b></p>										
	2018										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">DATE</th> <th style="width: 90%;">REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	DATE	REVISION DESCRIPTION								
DATE	REVISION DESCRIPTION										