## street design guidance 3.7D Pedestrian crossings



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## INTRODUCTION

Supporting safe pedestrian crossings is essential to reaching City goals to support and promote walking and rolling and to reach Vision Zero. The Minneapolis **Complete Streets policy** establishes a modal framework that prioritizes serving the needs of people walking and rolling first when planning for our transportation system and streets. 85% percent of all traffic crashes involving pedestrians happen at intersections.

The Transportation Action Plan <u>Walking Strategy 2</u>: "Prioritize visibility and safety of pedestrians at intersections and midblock crossings" offers additional steps the City is taking related to pedestrian crossings. This section will be updated as actions from this strategy are implemented.

## Legal crosswalk definition

Whether marked or unmarked, legal crosswalks exist at all legs of all intersections where sidewalks normally exist, including T-intersections, except where closed and appropriately signed. Legal crosswalks also exist at marked midblock crossings. Minnesota state statute **section 169.011** defines a crosswalk as:

(1) that portion of a roadway ordinarily included with the prolongation or connection of the lateral lines of sidewalks at intersections; (2) any portion of a roadway distinctly indicated for pedestrian crossing by lines or other markings on the surface.

As defined in <u>Minnesota Statutes Section 169.21</u>, motorists are required to stop for pedestrians who have entered a legal crosswalk. Pedestrians are also permitted to cross the street between intersections, provided they yield right of way to vehicles and they do not cross between adjacent intersections with traffic signals.

## GENERAL DESIGN CONSIDERATIONS FOR PEDESTRIAN CROSSINGS

A. Accessibility	Pedestrian crossings must be accessible for people with disabilities, including use of ADA-compliant <u>curb ramps</u> and accessible pedestrian signals at new or replaced traffic signals.
<b>B.</b> General principles	Pedestrian street crossing design should also include:
	<b>1.</b> Frequent crossing opportunities appropriate to the context;
	<ol> <li>Narrowing the roadway as much as possible to reduce exposure to pedestrians;</li> </ol>
	<ol> <li>Tightening <u>curb-return radii</u> as much as feasible while balancing turning needs and pedestrian curb ramp design;</li> </ol>
	<ol> <li>Clear expectations on where and when to cross the street for both pedestrians and drivers;</li> </ol>
	<ol> <li>Good <u>sidewalk visibility</u> between drivers and pedestrians by limiting obstructions and providing good lighting on crosswalks;</li> </ol>
	<ol> <li>Sufficient signal time and traffic gaps for pedestrians of all ages and abilities to cross the street; and</li> </ol>
	<b>7.</b> Minimal delay to pedestrians waiting to cross the street.
C. Slip lanes restricted	Slip lanes (unsignalized turn lanes at intersections) should be restricted and existing slip lanes should be converted to community space where possible.
Curb extensions	<u>Curb extensions</u> should generally be used at all intersections where full-time parking lanes are present or excess travel lane width is present. Exceptions include Urban Neighborhood streets where a traffic circle is preferred and Production and Processing where they should be considered but may not be appropriate given the frequency of large trucks.
E. Raised pedestrian crossings	Raised pedestrian crossings should generally be included whenever there a busier pedestrian street (like Mixed Use Commercial Connectors) crosses an Urban Neighborhood Street and should be considered when there is a high-volume pedestrian crossing of a parkway. See <u>raised pedestrian and bicycle crossings guidance</u> for more details.
Crossing improvements for busy streets	When there is a high-volume pedestrian crossing of a busier street (like Urban Neighborhood Connector, Mixed Use Community Connector, or Mixed Use Commercial Connector), pedestrian crossing improvements should be included. Options include traffic signals, <u>bicycle and pedestrian safety</u> <u>islands</u> , <u>curb extensions</u> , and/or Rectangular Rapid Flashing Beacons.
<b>G.</b> Crossing improvements for priority routes	Pedestrian crossing improvements should be further prioritized along and across the <u>Pedestrian Priority Network</u> and <u>High Injury Streets</u> and near or connecting to schools and parks.
H. Shared use paths	See also guidance for <u>shared use path crossings</u> .