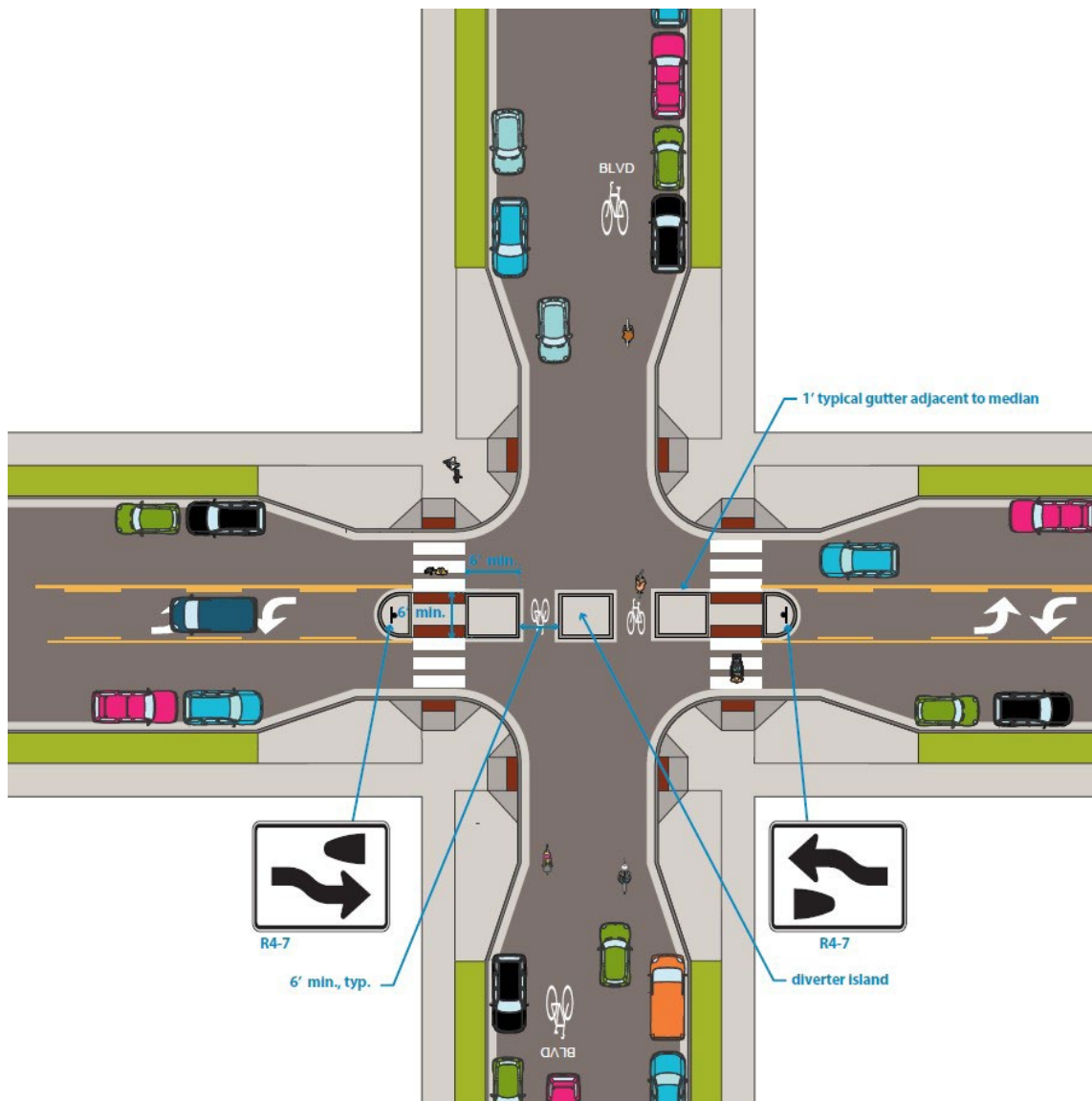


Pedestrian and bicycle safety islands are a raised median that protects pedestrians and bicyclists from moving traffic.

## INTRODUCTION

Pedestrian and bicycle safety islands are a raised median that protects pedestrians and bicyclists from moving traffic. Safety islands allow pedestrians and bicyclists to navigate one direction of traffic at a time when crossing.

**Figure 3.7D.5:** Pedestrian and bicycle safety islands



## DESIGN CONSIDERATIONS

<b>A. When to use</b>	<ol style="list-style-type: none"> <li>1. Pedestrian and bicycle safety islands should be considered when there is a neighborhood greenway or high-volume pedestrian crossing across a busier street such as Mixed Use street types and Urban Neighborhood Connector streets.</li> <li>2. Safety islands should generally be used at unsignalized crossings (signalized crossings should generally prioritize <a href="#">curb extensions</a>).</li> <li>3. Pedestrian and bicycle safety islands can be implemented at intersections or at midblock crosswalks or trail crossings.</li> </ol>
<b>B. Location</b>	<ol style="list-style-type: none"> <li>1. Safety islands are located in the middle of the roadway.</li> <li>2. They are often included in the space of a left-turn lane, but also can be implemented on streets without turn-lanes if there is space for a lane shift (for example, by removing parking leading up to the crossing).</li> <li>3. Safety islands can be used on one or both crosswalks on either side of a street.</li> </ol>
<b>C. Cut-through design</b>	<ol style="list-style-type: none"> <li>1. A cut-through design where the crosswalk remains at street level through the safety island is strongly preferred over ramping up to the island.</li> <li>2. The cut through should preferably be the same width as the crosswalk and always be at least 6'. See Figure 3.7D.5.</li> </ol>
<b>D. Nose</b>	<p>When feasible, safety islands should include a nose that extends past the crosswalk and protects people waiting on the island and slows turning drivers.</p>
<b>E. Width</b>	<ol style="list-style-type: none"> <li>1. Safety islands should be at least 6' wide although 8' or wider should be considered along major bicycle crossings to provide adequate space for bicyclists.</li> <li>2. Where a 6'-wide median cannot be attained, a narrower raised median can still be preferable to nothing.</li> </ol>
<b>F. Length</b>	<ol style="list-style-type: none"> <li>1. The length of safety islands varies, but should be at least 6' long.</li> <li>2. Longer medians of adequate width can accommodate trees if they are setback at least 40' from the intersection; see <a href="#">street trees</a> guidance for more details.</li> </ol>
<b>G. Detectable warning surface</b>	<ol style="list-style-type: none"> <li>1. Detectable warning surfaces made of truncated domes must be installed on the edge of safety island crosswalk to alert users that they are about to enter the roadway.</li> <li>2. See <a href="#">MnDOT's current curb ramp guidelines</a>, <a href="#">curb ramp standard plans</a>, and <a href="#">other design guidance and standards</a> for details on constructing detectable warnings.</li> </ol>
<b>H. Curb and gutter</b>	<p>Standard 6" curb tops and 1' gutters are generally used adjacent to medians. If there are catch basins adjacent to medians, 2' gutters should typically be used.</p>
<b>I. Signage</b>	<p>A Keep Right (R4-7) should be included at the start of the safety island.</p>
<b>J. Diverter islands</b>	<p>Safety islands can be implemented with a diverter to restrict traffic along neighborhood greenways or eliminate vehicle crossing at unsignalized intersections with high crash rates. Coordinate with the Fire Department if considering a diverter. See Figure 3.7D.5.</p>

<b>K. Including other crossing improvements</b>	Safety islands should be implemented with <a href="#">marked crosswalks</a> and bikeway crossing markings as appropriate. Designers should also consider <a href="#">advanced stop bars</a> , <a href="#">curb extensions</a> , <a href="#">enhanced street lighting</a> , and rectangular rapid flashing beacons (RRFBs) in conjunction with the safety island.
<b>L. Turning vehicles</b>	Safety islands may restrict turning movements to and from intersecting streets. Designers should consider appropriate <a href="#">design and control vehicles</a> and model all turning movements.
<b>M. Greening</b>	Designers should generally work to include greening in medians whenever feasible. See <a href="#">medians guidance</a> for more details.
<b>N. Midblock crossings</b>	See also <a href="#">NACTO guidance for midblock crosswalks</a> for additional considerations.
<b>O. Delineator safety islands</b>	Low-cost safety islands can be implemented using delineators in street retrofit projects.