

Prioritization Criteria for Primary Risk Intersection Countermeasures

Countermeasure	Prioritization Criteria
Roundabout	<ul style="list-style-type: none"> • <i>Required: Unsignalized intersection with a history of severe (K, A, or B) angle, left turn, and/or pedestrian crashes.</i> • One point for every target crash of KAB severity. • One point if four or more legs are present at the intersection. • One point if rural. • One point for every 10 degrees of skew angle.
Mini Roundabout	<ul style="list-style-type: none"> • <i>Required: Unsignalized intersection with a history of angle, left turn, and/or pedestrian crashes.</i> • Intersections with lower daily volumes and less available ROW. • One point for every target crash of KAB severity. • Two points if approach speed limits are 35 MPH or less. • One point for every local approach. • One point if four or more legs are present at the intersection. • One point if urban.
All-Way Stop-Control	<ul style="list-style-type: none"> • <i>Required: Minor stop control or uncontrolled intersection with a history of angle, left turn, pedestrian, and/or bicyclist crashes.</i> • One point for every target crash of KAB severity. • Three points if difference between major and minor road AADT is less than 100, two points if the difference is between 100 and 250, and one point if the difference is between 250 and 500.
Intersection Lighting	<ul style="list-style-type: none"> • <i>Required: Intersection with a history of nighttime crashes in unlit conditions, especially involving pedestrians.</i> • One point for every nighttime crash. • One point for every pedestrian crash. • One point for every 10 degrees of skew angle. • One point if major road AADT exceeds 3,000. • One point if minor road AADT exceeds 1,500. • One point if major road posted speed limit exceeds 45 mph. • One point if minor road posted speed limit exceeds 45 mph.
Dedicated Turn Lane	<ul style="list-style-type: none"> • <i>Required: Intersection with a history of crashes related to left or right turns where a dedicated turn lane is not currently present.</i> • One point for every target crash of KAB severity. • One point if no lighting is present. • One point if major approach speed limit exceeds 35 MPH. • One point if major road AADT exceeds 10,000.

Raised Crosswalk <i>(only applicable for local road approaches outside of State ROW)</i>	<ul style="list-style-type: none"> • <i>Required: Intersection with a history of pedestrian crashes and the intersecting roads are local or collector streets with existing sidewalks.</i> • One point if a pedestrian crash has occurred. • Two points if a pedestrian crash occurred “in a marked crosswalk”. • One point if lighting is present. • One point if posted speed limit on minor approach is less than or equal to 30 MPH. • One point if minor road has two through lanes.
High-Friction Surface Treatment (HFST)	<ul style="list-style-type: none"> • <i>Required: Intersection or its approaches with a history or evidence of friction issues.</i> • One point for every target crash of KAB severity. • One point for every wet road crash. • One point if major road speed limit is at least 45 mph.
Protected Bicycle Lanes with Bike Boxes and Bike Signals	<ul style="list-style-type: none"> • <i>Required: Intersection or its approaches with existing bicycle lanes and a history of bicycle-related crashes.</i> • One point for every bicycle crash. • One point if no lighting is present. • One point if transit stop is present within quarter mile. • One point if intersection has 4 or more legs.