

Task 3 – Identify and Evaluate Risk Factors

Purpose

Identify roadway characteristics to use as an initial set of potential risk factors to be further evaluated for use in systemic network screening.

Description

MnDOT reviewed published research to identify roadway features strongly related to crash experience. MnDOT compared these findings to available data and identified potential crash risk factors to apply to:

- 2-lane rural county highways
- Rural horizontal curves
- Rural thru-stop intersections
- Urban signalized intersections – focus on angle and pedestrian crashes

The potential risk factors for each facility type selected by MnDOT are shown in the bottom table on the right. The remaining portion of this example illustrates the evaluation of some of these potential risk factors.

