

[Skip to Content](#)



[511 Travel Info](#)

- [General Contacts](#)
- [MnDOT A to Z](#)
- [Search](#)

## Traffic Engineering



- [Traffic Engineering Home](#)
- [Publications](#)
- [Training](#)
- [Organizations](#)
- [Contacts](#)

### Basic intersection crash performance

Input Analysis Period (in years)	<input type="text" value="3"/>
Input # of Fatal Crashes at Intersection (Not # of Persons Killed)	<input type="text" value="0"/>
Input # of 'A' Severity Crashes at Intersection	<input type="text" value="55"/>
Input # of 'B' Severity Crashes at Intersection	<input type="text" value="0"/>
Input # of 'C' Severity Crashes at Intersection	<input type="text" value="0"/>
Input # of Property Damage Crashes at Intersection	<input type="text" value="94"/>
Input Average # of Vehicles Entering Intersection Daily *	<input type="text" value="53200"/>

*\*Average number of vehicles entering intersection can be calculated by adding ADTs for all of the intersection legs, and then dividing that by 2. This assumes that directional split of the roadway for the average day is 50/50.*

Calculate

Intersection Crash Rate =  per million entering vehicles

Intersection Severity Rate =

Intersection Crash Density =  crashes per year

## Basic segment crash performance

Input Analysis Period (in years)

Input # of Fatal Crashes on Segment (Not # of Persons Killed)

Input # of 'A' Severity Crashes on Segment

Input # of 'B' Severity Crashes on Segment

Input # of 'C' Severity Crashes on Segment

Input # of Property Damage Crashes on Segment

Input Segment Length (in miles)

Input Average Daily Traffic for Segment

Segment Crash Rate =  per million vehicle-miles

Segment Severity Rate =

Segment Crash Density =  crashes per mile per year

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