



DATE, TIME, LIGHT, WEATHER			<div><div><div> OVERTURN</div><div> FIRE OR EXPLOSION</div><div> MOVING VEHICLE</div><div> REAR END</div><div> BACKING VEHICLE</div><div> COLLISION WITH FIXED OBJECT</div><div> SIDE SWIPE SAME DIRECTION</div><div> SIDE SWIPE OPPOSITE DIRECTION</div></div><div><div><div> PARKED VEHICLE</div><div> MOTORCYCLE</div><div> DEER</div><div> PEDESTRIAN</div><div> BICYCLE</div><div> FIXED OBJECT</div><div> RIGHT ANGLE</div></div><div><div><div> VEHICLE OUT OF CONTROL</div><div> LEFT TURN INTO ONCOMING TRAFFIC</div></div><div><div> ANOKA COUNTY</div><div>ANOKA COUNTY HIGHWAY DEPT.</div></div></div></div><div>ADT: 56369 (TMC 2551) ACCIDENT RATE: 0.70 CR INDEX: 0.80 SEVERITY RATE: 1.05 FAR INDEX: 0.70</div></div>	
LIGHT	WEATHER	SEVERITY CODE		
L = LIGHT DN = DAWN DU = DUSK D = DARK X = UNKNOWN	C = CLEAR CL = CLOUDY R = RAIN S = SNOW/SLEET X = OTHER/UNKNOWN	(N) PROPERTY DAMAGE (C) POSSIBLE INJURY (B) MINOR INJURY (A) SERIOUS INJURY (K) FATALITY		

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 78 @ CSAH 14		
Study Start Date:	01/01/2020		
Study End Date:	03/30/2024		
Length of study in years:	4.25	Days = 1550.236	Weighted
Intersection ADT:	56369	Total Accidents =	61
Number of Fatal Accidents:	0	Total Fatal Accidents =	0
Number of "A" P.I. Accidents:	2	Total "A" Injury Accidents =	8
Number of "B" P.I. Accidents:	6	Total "B" Injury Accidents =	18
Number of "C" P.I. Accidents:	13	Total "C" Injury Accidents =	26
Number of Property Damage Accidents:	40	Total Property Damage Accidents =	40
		Sum of weighted accidents =	92
Accident Rate (AR) =	0.70		
Severity Rate (SR) =	1.05		

Intersection Safety Screening

Intersection: CSAH 78 @ CSAH 14

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	2
Minor Injury (B)	6
Possible Injury (C)	13
Property Damage (PDO)	40
Total Crashes	61

Intersection Characteristics	
Entering Volume	56,369
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$1,078,000

Statewide comparison = Signal, Low Volume (<=20K)

Total Crash Rate	
Observed	0.593
Statewide Average	0.548
Critical Rate	0.740
Critical Index	0.80

Fatal & Serious Injury Crash Rate	
Observed	1.943
Statewide Average	1.024
Critical Rate	2.790
Critical Index	0.70

The observed crash rate is the number of crashes per million entering vehicles (MEV). The critical rate is a statistical comparison based on similar intersections statewide. An observed crash rate greater than the critical rate indicates that the intersection operates outside the expected, normal range. The critical index reports the magnitude of this difference (i.e. observed crash rate ÷ critical crash rate).

The observed total crash rate for this period is 0.59 per MEV; this is 20% below the critical rate. Based on similar statewide intersections, an additional 16 crashes over the five years would indicate this intersection operates outside the normal range.

The observed fatal and serious injury crash rate for this period is 1.94 per 100 MEV; this is 30% below the critical rate. The intersection operates within the normal range.