



DATE, TIME, LIGHT, WEATHER			OVERTURN FIRE OR EXPLOSION MOVING VEHICLE REAR END BACKING VEHICLE COLLISION WITH FIXED OBJECT SIDE SWIPE SAME DIRECTION SIDE SWIPE OPPOSITE DIRECTION	PARKED VEHICLE MOTORCYCLE DEER PEDESTRIAN BICYCLE FIXED OBJECT RIGHT ANGLE VEHICLE OUT OF CONTROL LEFT TURN INTO ONCOMING TRAFFIC	ADT: 9425 ACCIDENT RATE: 0.63 CR INDEX: 1.83 SEVERITY RATE: 1.11 FAR INDEX: 0.00
LIGHT	WEATHER	SEVERITY CODE	ANOKA COUNTY HIGHWAY DEPT.		
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			
			Sheet <u> 1 </u> of <u> 1 </u> Sheets		

Intersection Safety Screening

Intersection: CSAH 5 @ Sunwood Dr

Statewide Averages based on 2016-2020 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	0
Minor Injury (B)	2
Possible Injury (C)	5
Property Damage (PDO)	5
Total Crashes	12

Intersection Characteristics	
Entering Volume	9,425
Environment	Urban
Lighting	Lit
Traffic Control	Thru-Stop

Annual crash cost = \$225,000

Statewide comparison = Urban, Thru/STOP

Total Crash Rate	
Observed	0.697
Statewide Average	0.128
Critical Rate	0.380
Critical Index	1.83

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.311
Critical Rate	4.940
Critical Index	0.00

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 0.70 per MEV; this is 1.8 times the critical rate. If crashes were reduced by 6 over five years, this intersection would perform within normal range.

The observed fatal and serious injury crash rate for this period is 0.00 per 100 MEV; this is 100% below the critical rate. The intersection operates within the normal range.

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 5 @ Sunwood Dr		
Study Start Date:	01/01/2018		
Study End Date:	06/30/2023		
Length of study in years:	5.50	Days = 2006.486	Weighted
Intersection ADT:	9425	Total Accidents = 12	
Number of Fatal Accidents:	0	Total Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents = 0	0
Number of "B" P.I. Accidents:	2	Total "B" Injury Accidents = 2	6
Number of "C" P.I. Accidents:	5	Total "C" Injury Accidents = 5	10
Number of Property Damage Accidents:	5	Total Property Damage Accidents = 5	5
		Sum of weighted accidents =	21
Accident Rate (AR) =	0.63		
Severity Rate (SR) =	1.11		