



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: 10628 (TMC 2387)
 ACCIDENT RATE: 0.62 CR INDEX: 1.63
 SEVERITY RATE: 1.19 FAR INDEX: 0.00

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



ANOKA COUNTY
HIGHWAY DEPT.

COLLISION
DIAGRAM

CSAH 5 (NOWTHEN BLVD) @
SUNWOOD DR
JAN 2019 TO DEC 2023

Sheet 1 of 1 Sheets

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 5 @ Sunwood Dr	
Study Start Date:	01/01/2019	
Study End Date:	12/31/2023	
Length of study in years:	5.00	Days = 1825
Intersection ADT:	10628	Weighted
Number of Fatal Accidents:	0	Total Accidents = 12
Number of "A" P.I. Accidents:	0	Total Fatal Accidents = 0
Number of "B" P.I. Accidents:	3	Total "A" Injury Accidents = 0
Number of "C" P.I. Accidents:	5	Total "B" Injury Accidents = 3
Number of Property Damage Accidents:	4	Total "C" Injury Accidents = 5
		Total Property Damage Accidents = 4
		Sum of weighted accidents = 23
Accident Rate (AR) =	0.62	
Severity Rate (SR) =	1.19	

Intersection Safety Screening

Intersection: CSAH 5 @ Sunwood Dr

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	0
Minor Injury (B)	3
Possible Injury (C)	5
Property Damage (PDO)	4
Total Crashes	12

Intersection Characteristics	
Entering Volume	10,628
Environment	Urban
Lighting	Lit
Traffic Control	Thru-Stop

Annual crash cost = \$292,000

Statewide comparison = Urban, Thru/STOP

Total Crash Rate	
Observed	0.618
Statewide Average	0.138
Critical Rate	0.380
Critical Index	1.63

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.350
Critical Rate	4.650
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 0.62 per MEV; this is 1.6 times the critical rate. If crashes were reduced by 5 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.