



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: 13,932
 ACCIDENT RATE: 0.16 CR INDEX: 0.17
 SEVERITY RATE: 0.35 FAR INDEX: 0.71

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 116 @ Sycamore St.
Jan 2019 to Dec 2023

Sheet 1 of 1 Sheets

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 116 @ Sycamore St.	
Study Start Date:	01/01/2019	
Study End Date:	12/31/2023	
Length of study in years:	5.00	Days = 1825
Intersection ADT:	13932	Weighted
Number of Fatal Accidents:	0	Total Accidents = 4
Number of "A" P.I. Accidents:	1	Total Fatal Accidents = 0
Number of "B" P.I. Accidents:	1	Total "A" Injury Accidents = 1
Number of "C" P.I. Accidents:	0	Total "B" Injury Accidents = 1
Number of Property Damage Accidents:	2	Total "C" Injury Accidents = 0
		Total Property Damage Accidents = 2
		Sum of weighted accidents = 9
Accident Rate (AR) =	0.16	
Severity Rate (SR) =	0.35	

Intersection Safety Screening

Intersection: CSAH 116 @ Sycamore St.

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	1
Possible Injury (C)	0
Property Damage (PDO)	2
Total Crashes	4

Intersection Characteristics	
Entering Volume	13,932
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$216,000

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

Total Crash Rate	
Observed	0.157
Statewide Average	0.548
Critical Rate	0.950
Critical Index	0.17

Fatal & Serious Injury Crash Rate	
Observed	3.931
Statewide Average	1.024
Critical Rate	5.560
Critical Index	0.71

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 0.16 per MEV; this is 83% below the critical rate. Based on similar statewide intersections, an additional 21 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 3.93 per 100 MEV; this is 29% below the critical rate. The intersection operates within the normal range.