



138th Ave

CSAH 116

Jefferson St

12/7/21 (7 - 8 AM), DN, S

6/17/20 (8 - 9 PM), L, C

11/14/22 (8 - 9 AM), L, S

A SIGN

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



ANOKA COUNTY
HIGHWAY DEPT.

ADT: 13,146
ACCIDENT RATE: 0.13 CR INDEX: 0.13
SEVERITY RATE: 0.25 FAR INDEX: 0.72

COLLISION
DIAGRAM

CSAH 116 @ Jefferson St.
Jan 2019 to Dec 2023

Sheet 1 of 1 Sheets

LIGHT

L = LIGHT
DN = DAWN
DU = DUSK
D = DARK
X = UNKNOWN

WEATHER

C = CLEAR
CL = CLOUDY
R = RAIN
S = SNOW/SLEET
X = OTHER/UNKNOWN

SEVERITY CODE

(N) PROPERTY DAMAGE
(C) POSSIBLE INJURY
(B) MINOR INJURY
(A) SERIOUS INJURY
(K) FATALITY

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 116 @ Jefferson St.		
Study Start Date:	01/01/2019		
Study End Date:	12/31/2023		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	13146	Total Accidents = 3	
Number of Fatal Accidents:	0	Total Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	1	Total "A" Injury Accidents = 1	4
Number of "B" P.I. Accidents:	0	Total "B" Injury Accidents = 0	0
Number of "C" P.I. Accidents:	0	Total "C" Injury Accidents = 0	0
Number of Property Damage Accidents:	2	Total Property Damage Accidents = 2	2
		Sum of weighted accidents =	6
Accident Rate (AR) =	0.13		
Severity Rate (SR) =	0.25		

Intersection Safety Screening

Intersection: CSAH 116 @ Jefferson St.

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	0
Possible Injury (C)	0
Property Damage (PDO)	2
Total Crashes	3

Intersection Characteristics	
Entering Volume	13,146
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$166,000

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

Total Crash Rate	
Observed	0.125
Statewide Average	0.548
Critical Rate	0.960
Critical Index	0.13

Fatal & Serious Injury Crash Rate	
Observed	4.166
Statewide Average	1.024
Critical Rate	5.750
Critical Index	0.72

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 0.13 per MEV; this is 87% 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 4.17 per 100 MEV; this is 28% below the critical rate. The intersection operates within the normal range.