



← 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: 7449  
 ACCIDENT RATE: 0.21 CR INDEX: 0.41  
 SEVERITY RATE: 0.63 FAR INDEX: 1.08

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 18 (BROADWAY AVE) @  
NOTRE DAME ST NE  
JAN 2020 TO JUNE 2023

Sheet   1   of   1   Sheets

# Intersection Safety Screening

Intersection: CSAH 18 @ Notre Dame St

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*Statewide Averages based on 2016-2020 crashes*

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

Intersection Characteristics	
Entering Volume	7,449
Environment	Rural
Lighting	Lit
Traffic Control	Thru-Stop

*Annual crash cost* = \$174,000

*Statewide comparison* = Rural, Thru/STOP

Total Crash Rate	
Observed	0.147
Statewide Average	0.100
Critical Rate	0.360
<b>Critical Index</b>	<b>0.41</b>

Fatal & Serious Injury Crash Rate	
Observed	7.348
Statewide Average	0.548
Critical Rate	6.790
<b>Critical Index</b>	<b>1.08</b>

*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 0.15 per MEV; this is 59% below the critical rate. Based on similar statewide intersections, an additional 3 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 7.35 per 100 MEV; this is 1.1 times the critical rate. This site may be a sustained severe crash location.*

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 18 @ Notre Dame St		
Study Start Date:	01/01/2020		
Study End Date:	06/30/2023		
Length of study in years:	3.50	Days = 1276.486	Weighted
Intersection ADT:	7449	Total Accidents = 2	
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:	1	Total "C" Injury Accidents = 1	2
Number of Property Damage Accidents:	0	Total Property Damage Accidents = 0	0
		Sum of weighted accidents =	6
Accident Rate (AR) =	<b>0.21</b>		
Severity Rate (SR) =	<b>0.63</b>		