



- ←←← BACKING VEHICLE
- ← BICYCLE
- ↘ COLLISION WITH FALLING OBJECT
- ↘ COLLISION WITH FIXED OBJECT
- DEER
- HEAD ON
- ↘ LEFT TURN INTO ONCOMING TRAFFIC
- MOTORCYCLE
- MOVING VEHICLE
- OVERTURN
- ▭ PARKED VEHICLE
- PEDESTRIAN
- REAR END
- RIGHT ANGLE
- ↔ SIDE SWIPE SAME DIRECTION
- ↔ SIDE SWIPE OPPOSITE DIRECTION
- VEHICLE OUT OF CONTROL

DATE, TIME, LIGHT, WEATHER, SURFACE			SEVERITY CODE		CORRIDOR	INTERSECTION	CSAH 11 (FOLEY BLVD) AT 101ST AVE DATE: 1-1-18 TO 12-31-22	
LIGHT	WEATHER	SURFACE	(A) INCAPACITATING INJURY	(K) FATALITY	ADT: _____	ADT: <u>30,477</u>	ANOKA COUNTY HIGHWAY DEPARTMENT	
L = DAYLIGHT D = DARK DN = DAWN DU = DUSK X = UNKNOWN	C = CLEAR R = RAIN S = SNOW/SLEET X = OTHER/UNKNOWN Y = CLOUDY	D = DRY S = SNOW/ICE W = WET X = OTHER/UNKNOWN	(B) NON-INCAPACITATING INJURY	(N) PROPERTY DAMAGE	ACCIDENT RATE: _____	ACCIDENT RATE: <u>.83</u>		
			(C) POSSIBLE INJURY		SEVERITY RATE: _____	SEVERITY RATE: <u>1.11</u>		
					CR INDEX: _____	CR INDEX: <u>1.09</u>		
					FAR INDEX: _____	FAR INDEX: <u>.59</u>	Sheet <u>2</u> of <u>12</u> Sheets	

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection: **CSAH 11 @ 101ST AVE**

Study Start Date: **01/01/2018**

Study End Date: **12/31/2022**

Length of study in years: **5.00**

Intersection ADT: **30477**

Number of "K" Fatal Accidents: **0**

Number of "A" P.I. Accidents: **1**

Number of "B" P.I. Accidents: **5**

Number of "C" P.I. Accidents: **3**

Number of "N" Property Damage Accidents: **37**

Days = 1825 Weighted

Total Accidents = 46

Total "K" Fatal Accidents = 0 0

Total "A" Injury Accidents = 1 4

Total "B" Injury Accidents = 5 15

Total "C" Injury Accidents = 3 6

Total "N" Property Damage Accidents = 37 37

Sum of weighted accidents = 62

Accident Rate (AR) = **0.83**

Severity Rate (SR) = **1.11**

Intersection Safety Screening

Intersection: CSAH 11 (FOLEY BVLD) @ 101ST AVE

Statewide Averages based on 2016-2020 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	5
Possible Injury (C)	3
Property Damage (N)	37
Total Crashes	46

Intersection Characteristics	
Entering Volume	30,477
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$548,200

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

Total Crash Rate	
Observed	0.826
Statewide Average	0.508
Critical Rate	0.760
Critical Index	1.09

Fatal & Serious Injury Crash Rate	
Observed	1.796
Statewide Average	0.690
Critical Rate	3.020
Critical Index	0.59

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 0.83 per MEV; this is 1.1 times the critical rate. If crashes were reduced by 4 over five years, this intersection would perform within normal range.

The observed fatal and serious injury crash rate for this period is 1.80 per 100 MEV; this is 41% below the critical rate. The intersection operates within the normal range.