



- ←←← 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 109TH AVE DATE: 1-1-18 TO 12-31-22	
LIGHT	WEATHER	SURFACE	(A) INCAPACITATING INJURY	(K) FATALITY	ADT: _____	ADT: <u>9,731</u>	<b>ANOKA COUNTY HIGHWAY DEPARTMENT</b>	
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>.23</u>		
			(C) POSSIBLE INJURY		SEVERITY RATE: _____	SEVERITY RATE: <u>.62</u>		
					CR INDEX: _____	CR INDEX: <u>.61</u>		
					FAR INDEX: _____	FAR INDEX: <u>1.17</u>	Sheet <u>9</u> of <u>12</u> Sheets	

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection: <b>CSAH 11 @ 109TH AVE</b>			
Study Start Date:	01/01/2018		
Study End Date:	12/31/2022		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	9731	Total Accidents = 4	
Number of "K" Fatal Accidents:	0	Total "K" Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	1	Total "A" Injury Accidents = 1	4
Number of "B" P.I. Accidents:	2	Total "B" Injury Accidents = 2	6
Number of "C" P.I. Accidents:	0	Total "C" Injury Accidents = 0	0
Number of "N" Property Damage Accidents:	1	Total "N" Property Damage Accidents = 1	1
		Sum of weighted accidents =	11
Accident Rate (AR) =	0.23		
Severity Rate (SR) =	0.62		

# Intersection Safety Screening

Intersection: CSAH 11 (FOLEY BVLD) @ 109TH AVE

*Statewide Averages based on 2016-2020 crashes*

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	2
Possible Injury (C)	0
Property Damage (N)	1
<b>Total Crashes</b>	<b>4</b>

Intersection Characteristics	
Entering Volume	9,731
Environment	Urban
Lighting	Lit
Traffic Control	Thru-Stop

*Annual crash cost = \$244,600*

*Statewide comparison = Urban, Thru/STOP*

Total Crash Rate	
Observed	0.225
Statewide Average	0.128
Critical Rate	0.370
<b>Critical Index</b>	<b>0.61</b>

Fatal & Serious Injury Crash Rate	
Observed	5.625
Statewide Average	0.311
Critical Rate	4.820
<b>Critical Index</b>	<b>1.17</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 0.23 per MEV; this is 39% 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 5.63 per 100 MEV; this is 1.2 times the critical rate. This site may be a sustained severe crash location.*