


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

DATE, TIME, LIGHT, WEATHER, SURFACE		
LIGHT	WEATHER	SURFACE
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

SEVERITY CODE	
(A) INCAPACITATING INJURY	(K) FATALITY
(B) NON-INCAPACITATING INJURY	(N) PROPERTY DAMAGE
(C) POSSIBLE INJURY	

CORRIDOR	INTERSECTION
ADT: _____	ADT: <u>14,895</u>
ACCIDENT RATE: _____	ACCIDENT RATE: <u>.15</u>
SEVERITY RATE: _____	SEVERITY RATE: <u>.29</u>
CR INDEX: _____	CR INDEX: <u>.17</u>
FAR INDEX: _____	FAR INDEX: <u>.00</u>

**CSAH 11 (FOLEY BLVD) AT 102ND LN**  
DATE: 1-1-18 TO 12-31-22



**ANOKA COUNTY  
HIGHWAY DEPARTMENT**

**COLLISION  
DIAGRAM**

Sheet 4 of 12 Sheets

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 11 @ 102ND LN		
Study Start Date:	01/01/2018		
Study End Date:	12/31/2022		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	14895	Total Accidents = 4	
Number of "K" Fatal Accidents:	0	Total "K" Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents = 0	0
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:	2	Total "N" Property Damage Accidents = 2	2
		Sum of weighted accidents =	8
Accident Rate (AR) =	0.15		
Severity Rate (SR) =	0.29		

# Intersection Safety Screening

Intersection: CSAH 11 (FOLEY BVLD) @ 102ND LN

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*Statewide Averages based on 2016-2020 crashes*

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

Intersection Characteristics	
Entering Volume	14,895
Environment	Urban
Lighting	Lit
Traffic Control	Signal

*Annual crash cost* = \$97,200

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

Total Crash Rate	
Observed	0.147
Statewide Average	0.508
Critical Rate	0.880
<b>Critical Index</b>	<b>0.17</b>

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.690
Critical Rate	4.570
<b>Critical Index</b>	<b>0.00</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 83% below the critical rate. Based on similar statewide intersections, an additional 20 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 0.00 per 100 MEV; this is 100% below the critical rate. The intersection operates within the normal range.*