



- ←←← 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		
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
ADT: _____
ACCIDENT RATE: _____
SEVERITY RATE: _____
CR INDEX: _____
FAR INDEX: _____

INTERSECTION
ADT: <u>18,330</u>
ACCIDENT RATE: <u>.51</u>
SEVERITY RATE: <u>.96</u>
CR INDEX: <u>.60</u>
FAR INDEX: <u>.74</u>

CSAH 11 (FOLEY BLVD) AT EGRET BLVD
DATE: 1-1-18 TO 12-31-22

**ANOKA COUNTY
HIGHWAY DEPARTMENT**

COLLISION
DIAGRAM

Sheet 8 of 12 Sheets

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 11 @ EGRET BLVD		
Study Start Date:	01/01/2018		
Study End Date:	12/31/2022		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	18330	Total Accidents = 17	
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:	3	Total "B" Injury Accidents = 3	9
Number of "C" P.I. Accidents:	6	Total "C" Injury Accidents = 6	12
Number of "N" Property Damage Accidents:	7	Total "N" Property Damage Accidents = 7	7
		Sum of weighted accidents =	32
Accident Rate (AR) =	0.51		
Severity Rate (SR) =	0.96		

Intersection Safety Screening

Intersection: CSAH 11 (FOLEY BLVD) @ EGRET BLVD

Statewide Averages based on 2016-2020 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	3
Possible Injury (C)	6
Property Damage (N)	7
Total Crashes	17

Intersection Characteristics	
Entering Volume	18,330
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$450,200

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

Total Crash Rate	
Observed	0.508
Statewide Average	0.508
Critical Rate	0.840
Critical Index	0.60

Fatal & Serious Injury Crash Rate	
Observed	2.986
Statewide Average	0.690
Critical Rate	4.020
Critical Index	0.74

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 0.51 per MEV; this is 40% below the critical rate. Based on similar statewide intersections, an additional 12 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 2.99 per 100 MEV; this is 26% below the critical rate. The intersection operates within the normal range.