



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: 30455 ACCIDENT RATE: 0.44 CR INDEX: 0.66 SEVERITY RATE: 0.64 FAR INDEX: 0.60
<b>LIGHT</b>	<b>WEATHER</b>	<b>SEVERITY CODE</b>			ANOKA COUNTY HIGHWAY DEPT.		<b>COLLISION DIAGRAM</b>
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			CSAH 14 (125TH AVE) @ CSAH 17 (LEXINGTON AVE) JAN 2018 TO SEPT 2023		Sheet <u>  1  </u> of <u>  1  </u> Sheets

# Intersection Safety Screening

Intersection: CSAH 14 @ CSAH 17

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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)	3
Possible Injury (C)	4
Property Damage (PDO)	20
<b>Total Crashes</b>	<b>28</b>

Intersection Characteristics	
Entering Volume	30,455
Environment	Urban
Lighting	Lit
Traffic Control	Signal

*Annual crash cost* = \$436,000

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

Total Crash Rate	
Observed	0.503
Statewide Average	0.508
Critical Rate	0.760
<b>Critical Index</b>	<b>0.66</b>

Fatal & Serious Injury Crash Rate	
Observed	1.797
Statewide Average	0.690
Critical Rate	3.020
<b>Critical Index</b>	<b>0.60</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 0.50 per MEV; this is 34% below the critical rate. Based on similar statewide intersections, an additional 15 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 1.80 per 100 MEV; this is 40% below the critical rate. The intersection operates within the normal range.*

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 14 @ CSAH 17		
Study Start Date:	01/01/2018		
Study End Date:	09/30/2023		
Length of study in years:	5.75	Days = 2097.736	Weighted
Intersection ADT:	30455	Total Accidents = 28	
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:	3	Total "B" Injury Accidents = 3	9
Number of "C" P.I. Accidents:	4	Total "C" Injury Accidents = 4	8
Number of Property Damage Accidents:	20	Total Property Damage Accidents = 20	20
		Sum of weighted accidents =	41
Accident Rate (AR) =	0.44		
Severity Rate (SR) =	0.64		