






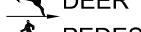












DATE, TIME, LIGHT, WEATHER							
LIGHT	WEATHER	SEVERITY CODE	 OVERTURN	 PARKED VEHICLE	 VEHICLE OUT OF CONTROL	ADT: 38937 (TMC 2550)	
L = LIGHT DN = DAWN DU = DUSK D = DARK X = UNKNOWN	C = CLEAR CL = CLOUDY R = RAIN S = SNOW/SLEET X = OTHER/UNKNOWN	Ⓝ PROPERTY DAMAGE Ⓢ POSSIBLE INJURY Ⓟ MINOR INJURY Ⓜ SERIOUS INJURY Ⓚ FATALITY	 FIRE OR EXPLOSION	 MOTORCYCLE	 LEFT TURN INTO ONCOMING TRAFFIC	ACCIDENT RATE: 0.46 CR INDEX: 0.51	
			 MOVING VEHICLE	 DEER		SEVERITY RATE: 0.91 FAR INDEX: 0.43	
			 REAR END	 PEDESTRIAN		 ANOKA COUNTY HIGHWAY DEPT.	
			 BACKING VEHICLE	 BICYCLE			
			 COLLISION WITH FIXED OBJECT	 FIXED OBJECT		COLLISION DIAGRAM	
			 SIDE SWIPE SAME DIRECTION	 RIGHT ANGLE			
			 SIDE SWIPE OPPOSITE DIRECTION			CSAH 78 (HANSON BLVD) @ 121ST AVE JAN 2020 TO MARCH 2025	
						Sheet <u>1</u> of <u>1</u> Sheets	

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 78 @ 121ST AVE		
Study Start Date:	01/01/2020		
Study End Date:	03/30/2024		
Length of study in years:	4.25	Days = 1550.236	Weighted
Intersection ADT:	38937	Total Accidents =	28
Number of Fatal Accidents:	0	Total Fatal Accidents =	0
Number of "A" P.I. Accidents:	1	Total "A" Injury Accidents =	4
Number of "B" P.I. Accidents:	6	Total "B" Injury Accidents =	18
Number of "C" P.I. Accidents:	12	Total "C" Injury Accidents =	24
Number of Property Damage Accidents:	9	Total Property Damage Accidents =	9
		Sum of weighted accidents =	55
Accident Rate (AR) =	0.46		
Severity Rate (SR) =	0.91		

Intersection Safety Screening

Intersection: CSAH 78 @ 121ST AVE

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	6
Possible Injury (C)	12
Property Damage (PDO)	9
Total Crashes	28

Intersection Characteristics	
Entering Volume	38,937
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$799,000

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

Total Crash Rate	
Observed	0.394
Statewide Average	0.548
Critical Rate	0.780
Critical Index	0.51

Fatal & Serious Injury Crash Rate	
Observed	1.406
Statewide Average	1.024
Critical Rate	3.270
Critical Index	0.43

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 0.39 per MEV; this is 49% below the critical rate. Based on similar statewide intersections, an additional 28 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 1.41 per 100 MEV; this is 57% below the critical rate. The intersection operates within the normal range.