








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

 PARKED VEHICLE  
 MOTORCYCLE  
 DEER  
 PEDESTRIAN  
 BICYCLE  
 FIXED OBJECT  
 RIGHT ANGLE

 VEHICLE OUT OF CONTROL  
 LEFT TURN INTO ONCOMING TRAFFIC

ANOKA COUNTY  
HIGHWAY DEPT.

ADT: 28307 (TMC 2554)  
ACCIDENT RATE: 0.14 CR INDEX: 0.14  
SEVERITY RATE: 0.25 FAR INDEX: 0.51

### COLLISION DIAGRAM

CSAH 78 (HANSON BLVD) @  
JAY ST/139TH LN  
JAN 2020 TO MARCH 2025

Sheet 1 of 1 Sheets

### ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection: CSAH 78 @ JAY ST/139TH AVE

Study Start Date: 01/01/2020

Study End Date: 03/30/2024

Length of study in years: 4.25

Intersection ADT: 28307

Number of Fatal Accidents: 0

Number of "A" P.I. Accidents: 1

Number of "B" P.I. Accidents: 0

Number of "C" P.I. Accidents: 2

Number of Property Damage Accidents: 3

Days = 1550.236      Weighted

Total Accidents = 6

Total Fatal Accidents = 0      0

Total "A" Injury Accidents = 1      4

Total "B" Injury Accidents = 0      0

Total "C" Injury Accidents = 2      4

Total Property Damage Accidents = 3      3

Sum of weighted accidents = 11

Accident Rate (AR) = 0.14

Severity Rate (SR) = 0.25

# Intersection Safety Screening

Intersection: CSAH 78 @ JAY ST/139TH AVE

---

*Statewide Averages based on 2018-2022 crashes*

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	0
Possible Injury (C)	2
Property Damage (PDO)	3
Total Crashes	6

Intersection Characteristics	
Entering Volume	28,307
Environment	Urban
Lighting	Lit
Traffic Control	Signal

*Annual crash cost* = \$221,000

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

Total Crash Rate	
Observed	0.116
Statewide Average	0.548
Critical Rate	0.820
<b>Critical Index</b>	<b>0.14</b>

Fatal & Serious Injury Crash Rate	
Observed	1.935
Statewide Average	1.024
Critical Rate	3.800
<b>Critical Index</b>	<b>0.51</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 0.12 per MEV; this is 86% below the critical rate. Based on similar statewide intersections, an additional 37 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 1.94 per 100 MEV; this is 49% below the critical rate. The intersection operates within the normal range.*