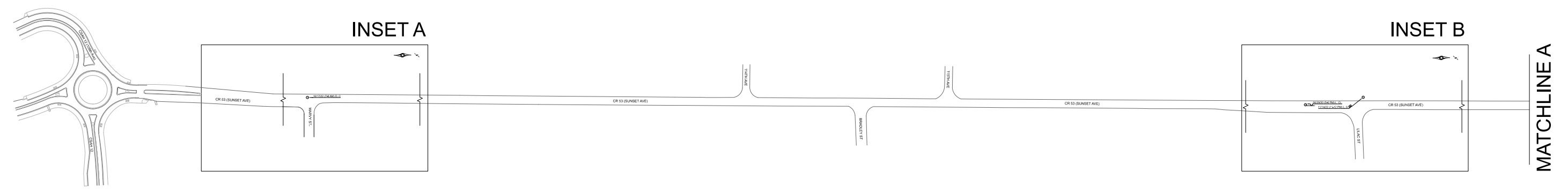




DRAWING NOT TO SCALE



← 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: 8485
 ACCIDENT RATE: 0.32 CR INDEX: 0.36
 SEVERITY RATE: 0.48 FAR INDEX: 0.00

LIGHT	WEATHER	SEVERITY CODE
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

**ANOKA COUNTY
HIGHWAY DEPT.**

**COLLISION
DIAGRAM**

CR 53 (SUNSET AVE) BTWN
CSAH 12 TO CSAH 14
JAN 2020 TO SEPT 2023

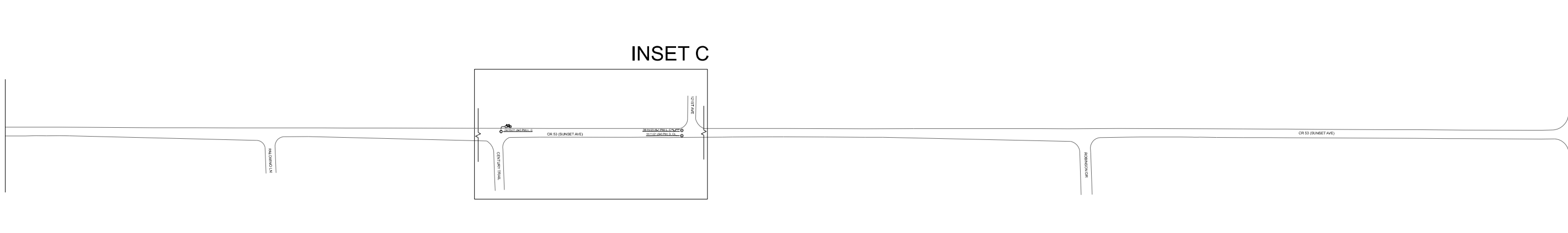
Sheet 1 of 5 Sheets



DRAWING NOT TO SCALE

MATCHLINE A

INSET C



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



**ANOKA COUNTY
HIGHWAY DEPT.**

ADT: 8485
ACCIDENT RATE: 0.32 CR INDEX: 0.36
SEVERITY RATE: 0.48 FAR INDEX: 0.00

**COLLISION
DIAGRAM**

CR 53 (SUNSET AVE) BTWN
CSAH 12 TO CSAH 14
JAN 2020 TO SEPT 2023

Sheet 2 of 5 Sheets

LIGHT

L = LIGHT
DN = DAWN
DU = DUSK
D = DARK
X = UNKNOWN

WEATHER

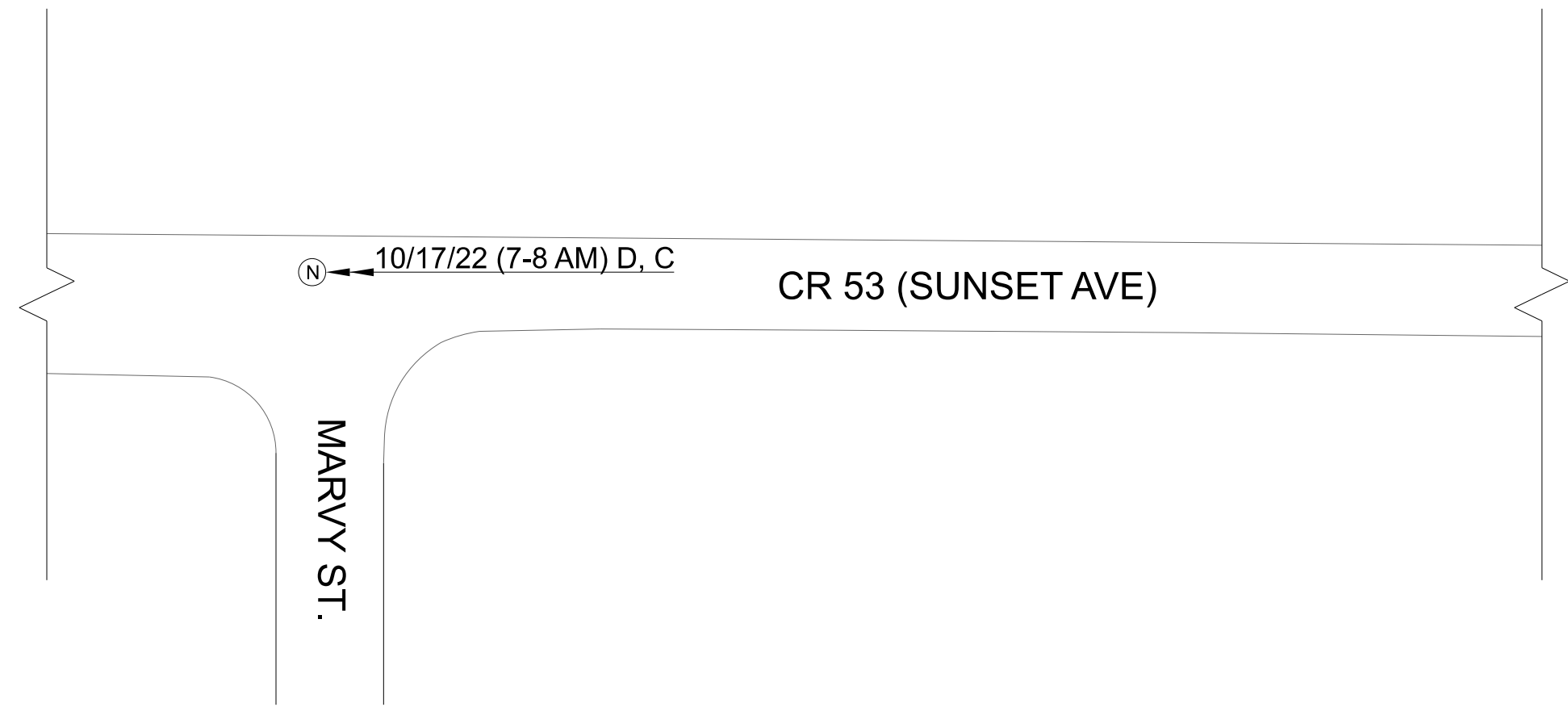
C = CLEAR
CL = CLOUDY
R = RAIN
S = SNOW/SLEET
X = OTHER/UNKNOWN

SEVERITY CODE

(N) PROPERTY DAMAGE
(C) POSSIBLE INJURY
(B) MINOR INJURY
(A) SERIOUS INJURY
(K) FATALITY



DRAWING NOT TO SCALE

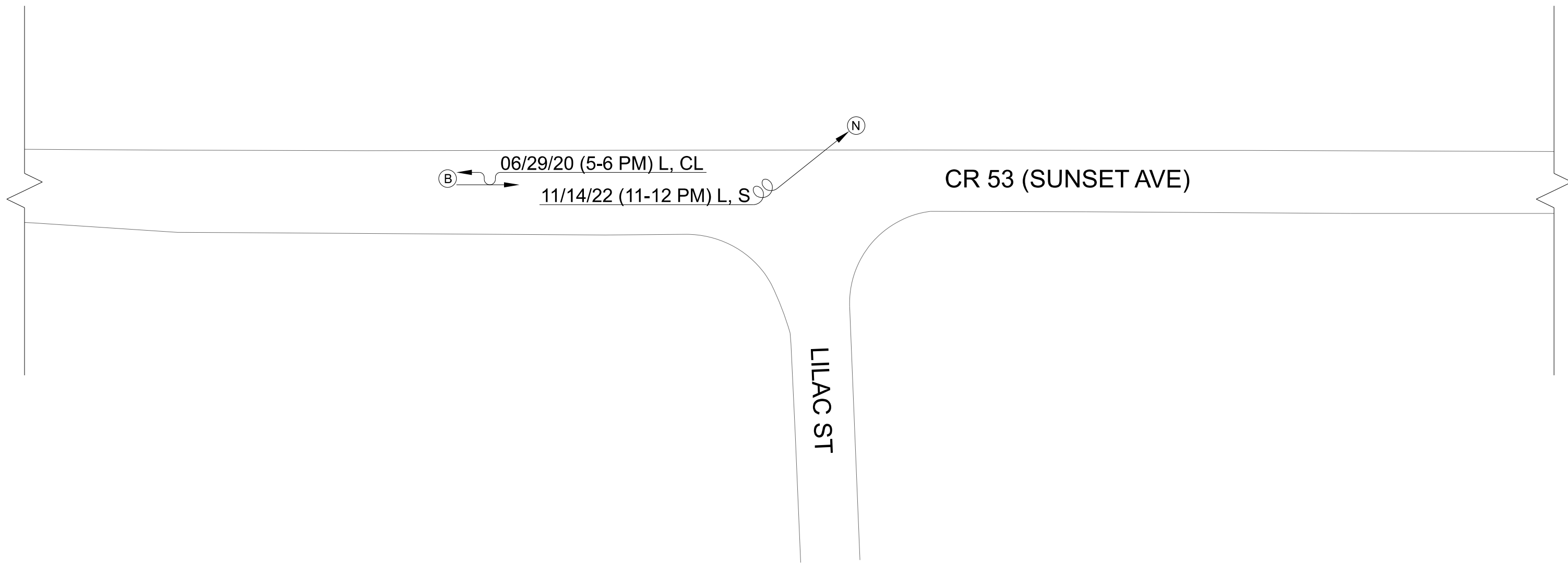


INSET A

← 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: 8485 ACCIDENT RATE: 0.32 CR INDEX: 0.36 SEVERITY RATE: 0.48 FAR INDEX: 0.00
LIGHT	WEATHER	SEVERITY CODE	ANOKA COUNTY HIGHWAY DEPT.			
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				COLLISION DIAGRAM
					Sheet <u> 3 </u> of <u> 5 </u> Sheets	



DRAWING NOT TO SCALE



INSET B

← 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: 8485 ACCIDENT RATE: 0.32 CR INDEX: 0.36 SEVERITY RATE: 0.48 FAR INDEX: 0.00
LIGHT	WEATHER	SEVERITY CODE				
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	ANOKA COUNTY HIGHWAY DEPT.			COLLISION DIAGRAM
					CR 53 (SUNSET AVE) BTWN CSAH 12 TO CSAH 14 JAN 2020 TO SEPT 2023	
					Sheet <u>4</u> of <u>5</u> Sheets	



DRAWING NOT TO SCALE



INSET C

<p>← DATE, TIME, LIGHT, WEATHER</p>			<p>☒ OVERTURN</p> <p>🔥 FIRE OR EXPLOSION</p> <p>← MOVING VEHICLE</p> <p>↔ REAR END</p> <p>←→ BACKING VEHICLE</p> <p>☐ ← COLLISION WITH FIXED OBJECT</p> <p>↔ SIDE SWIPE SAME DIRECTION</p> <p>↔ SIDE SWIPE OPPOSITE DIRECTION</p>	<p>🚲 MOTORCYCLE</p> <p>🦌 DEER</p> <p>🚶 PEDESTRIAN</p> <p>🚲 BICYCLE</p> <p>☐ FIXED OBJECT</p> <p>↔ RIGHT ANGLE</p>	<p>🚗 PARKED VEHICLE</p> <p>🌀 VEHICLE OUT OF CONTROL</p> <p>↔ LEFT TURN INTO ONCOMING TRAFFIC</p>	<p>ADT: 8485</p> <p>ACCIDENT RATE: 0.32 CR INDEX: 0.36</p> <p>SEVERITY RATE: 0.48 FAR INDEX: 0.00</p>
<p>LIGHT</p> <p>L = LIGHT</p> <p>DN = DAWN</p> <p>DU = DUSK</p> <p>D = DARK</p> <p>X = UNKNOWN</p>	<p>WEATHER</p> <p>C = CLEAR</p> <p>CL = CLOUDY</p> <p>R = RAIN</p> <p>S = SNOW/SLEET</p> <p>X = OTHER/UNKNOWN</p>	<p>SEVERITY CODE</p> <p>Ⓝ PROPERTY DAMAGE</p> <p>Ⓒ POSSIBLE INJURY</p> <p>Ⓑ MINOR INJURY</p> <p>Ⓐ SERIOUS INJURY</p> <p>Ⓚ FATALITY</p>	<p>ANOKA COUNTY HIGHWAY DEPT.</p>		<p>COLLISION DIAGRAM</p>	
					<p>CR 53 (SUNSET AVE) BTWN CSAH 12 TO CSAH 14 JAN 2020 TO SEPT 2023</p> <p>Sheet <u> 5 </u> of <u> 5 </u> Sheets</p>	

Segment Safety Screening

Segment: CR 53 between CSAH 12 and CSAH 14

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Incapacitating Injury (A)	0
Minor Injury (B)	1
Possible Injury (C)	1
Property Damage (PDO)	4
Total Crashes	6

Analysis Description	
Length	1.000 miles
VMT	15,493,610
Non-junction AND Junction Crashes	

Annual crash cost per mile = \$88,000

Statewide comparison = Rural 2-Lane AADT 8000+

Total Crash Rate (CR)	
Observed	0.387
Statewide Average	0.560
Critical Rate	1.080
Critical Index	0.36

Fatal & Serious Injury Crash Rate (FAR)	
Observed	0.000
Statewide Average	2.427
Critical Rate	10.730
Critical Index	0.00

The observed crash rate is the number of crashes per million vehicle miles traveled (MVMT). The critical rate is a statistical comparison based on similar trunk highways statewide. An observed crash rate greater than the critical rate indicates that the section 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 MVMT; this is 64% below the critical rate. Based on similar statewide segments, an additional 11 crashes over the five years would indicate this section operates outside the normal range.

The observed fatal and serious injury crash rate for this period is 0.00 per 100 MVMT; this is 100% below the critical rate. The section operates within the normal range.

ACCIDENT AND SEVERITY RATES FOR A CORRIDOR

Segment:	CR 53 between CSAH 12 and CSAH 14		
Study Start Date:	01/01/2020	Miles =	1.610
Study End Date:	09/30/2023		
Length of study in years:	3.75	Days =	1367.736111
Average ADT for Corridor:	8485	Total Accidents =	6
Number of Fatal Accidents:	0	Total Fatal Accidents =	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents =	0
Number of "B" P.I. Accidents:	1	Total "B" Injury Accidents =	3
Number of "C" P.I. Accidents:	1	Total "C" Injury Accidents =	2
Number of Property Damage Accidents:	4	Total Property Damage Accidents =	4
		Sum of weighted accidents =	9
Accident Rate (AR) =	0.32		
Severity Rate (SR) =	0.48		