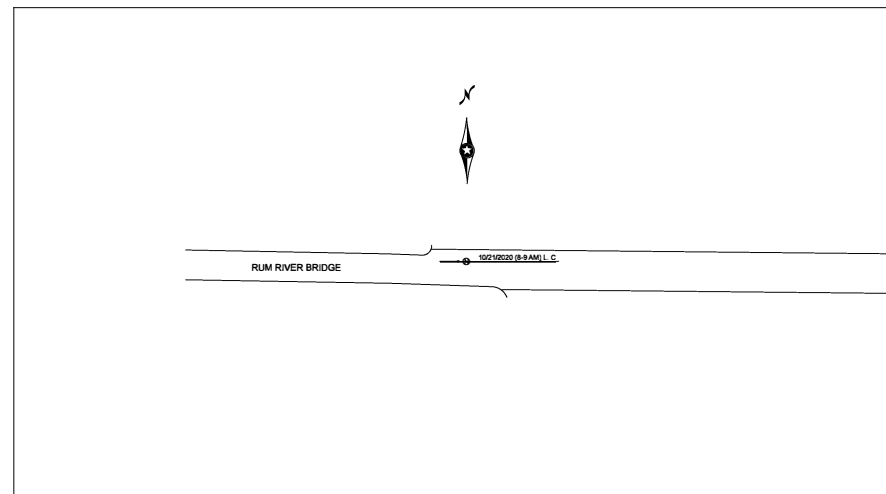
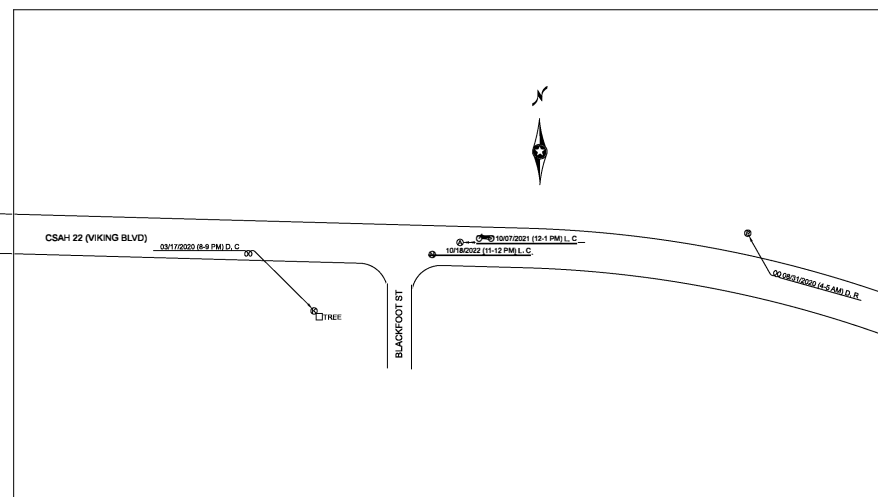


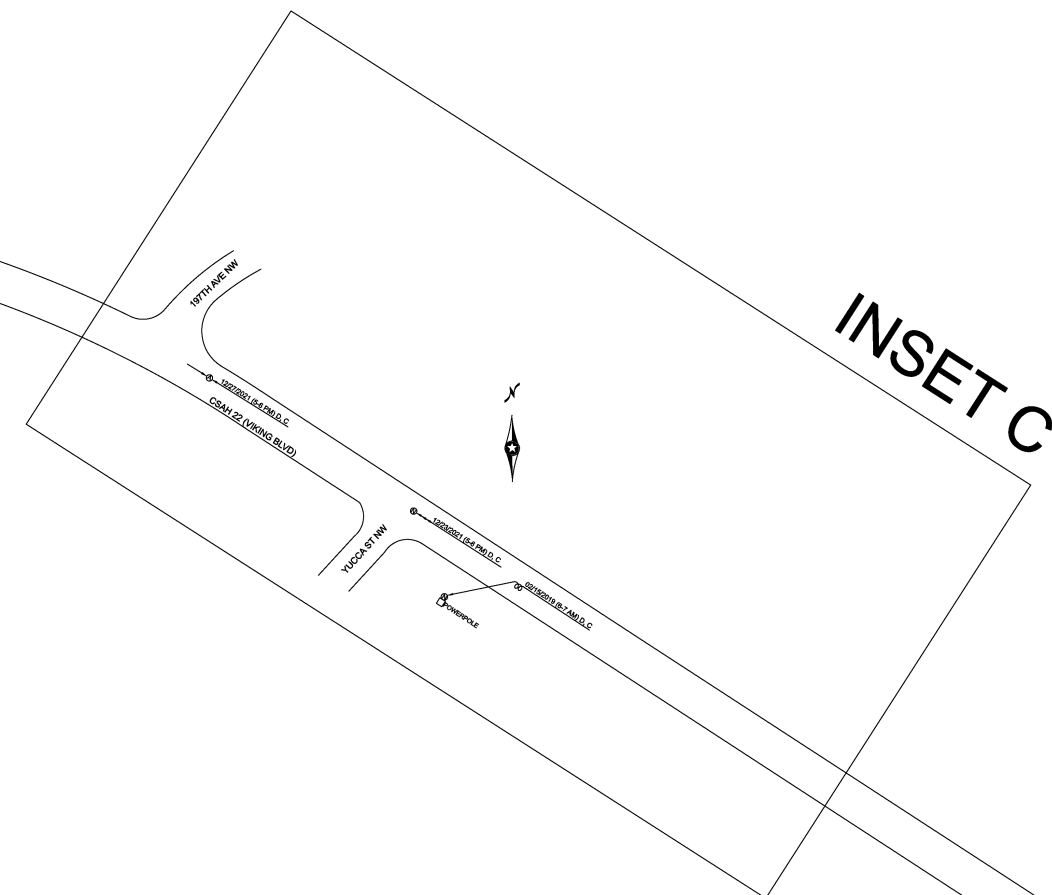
### INSET A



### INSET B



### 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

ADT: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR  
 ACCIDENT RATE: 0.99 CR INDEX: 0.99  
 SEVERITY RATE: 2.36 FAR INDEX: 1.55

#### 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

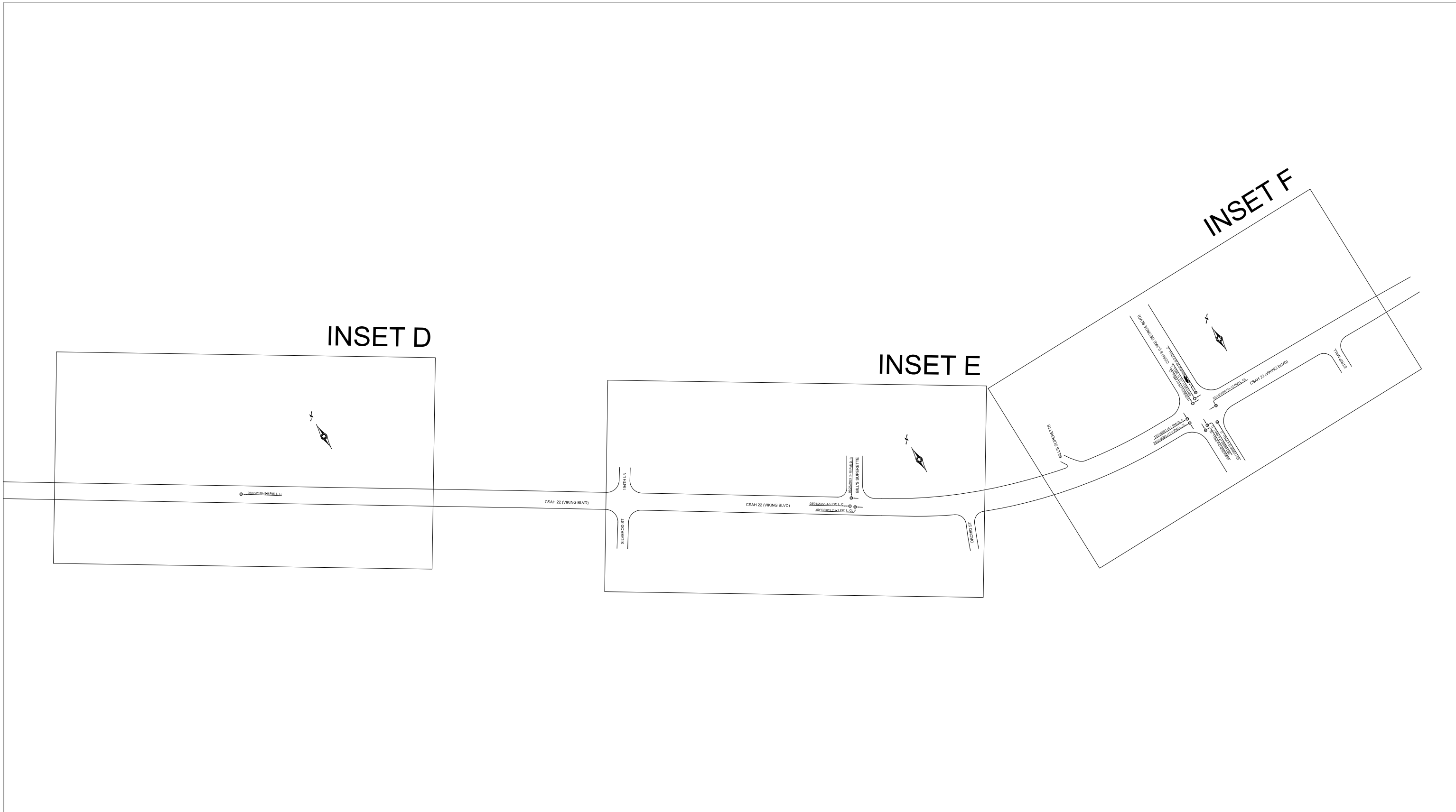


**ANOKA COUNTY  
 HIGHWAY DEPT.**

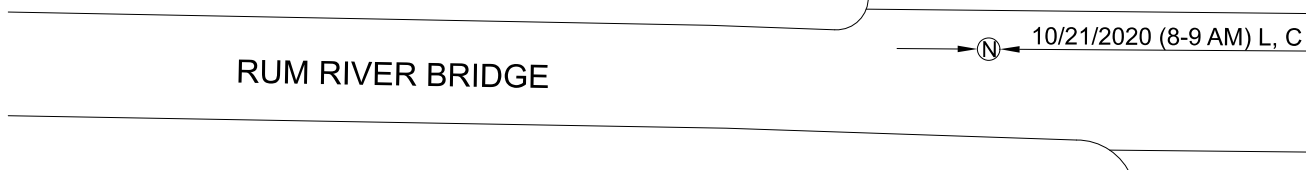
**COLLISION  
 DIAGRAM**

CSAH 22 FROM RUM RIVER  
 BRIDGE TO CSAH 9  
 2019 THROUGH 2023

Sheet 1 of 8 Sheets



← 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: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR ACCIDENT RATE: 0.99 CR INDEX: 0.99 SEVERITY RATE: 2.36 FAR INDEX: 1.55	
<b>LIGHT</b>	<b>WEATHER</b>	<b>SEVERITY CODE</b>			<b>ANOKA COUNTY HIGHWAY DEPT.</b>		<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						



RUM RIVER BRIDGE

10/21/2020 (8-9 AM) L, C

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: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR  
 ACCIDENT RATE: 0.99 CR INDEX: 0.99  
 SEVERITY RATE: 2.36 FAR INDEX: 1.55

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**

CSAH 22 FROM RUM RIVER  
BRIDGE TO CSAH 9  
2019 THROUGH 2023

Sheet   3   of   8   Sheets



CSAH 22 (VIKING BLVD)

03/17/2020 (8-9 PM) D, C

Ⓚ TREE

BLACKFOOT ST

ⓐ 10/07/2021 (12-1 PM) L, C  
 ⓑ 10/18/2022 (11-12 PM) L, C

CSAH 22 @ BLACKFOOT ST  
 ADT: 4325 - MnDOT TRAFFIC MAPPING - INTERSECTION  
 ACCIDENT RATE: 0.38 CR INDEX: 0.78  
 SEVERITY RATE: 1.27 FAR INDEX: 2.31

ⓑ 08/31/2020 (4-5 AM) D, R  
 NOT INCLUDED IN INTERSECTION INDEX

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: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR  
 ACCIDENT RATE: 0.99 CR INDEX: 0.99  
 SEVERITY RATE: 2.36 FAR INDEX: 1.55

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	Ⓝ PROPERTY DAMAGE Ⓞ POSSIBLE INJURY ⓑ MINOR INJURY ⓐ SERIOUS INJURY Ⓚ FATALITY

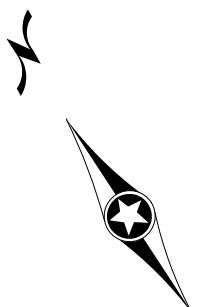


ANOKA COUNTY  
HIGHWAY DEPT.

COLLISION  
DIAGRAM

CSAH 22 FROM RUM RIVER  
BRIDGE TO CSAH 9  
2019 THROUGH 2023

Sheet 4 of 8 Sheets



197TH AVE NW

CSAH 22 @ 197TH AVE  
 ADT: 4584 - MnDOT TRAFFIC MAPPING - INTERSECTION  
 ACCIDENT RATE: 0.12 CR INDEX: 0.25  
 SEVERITY RATE: 0.48 FAR INDEX: 1.14

12/27/2021 (5-6 PM) D, C

CSAH 22 (VIKING BLVD)

12/23/2021 (5-6 PM) D, C

YUCCA ST NW

POWERPOLE

02/15/2019 (6-7 AM) D, C

CSAH 22 @ YUCCA ST  
 ADT: 4289 - MnDOT TRAFFIC MAPPING - INTERSECTION  
 ACCIDENT RATE: 0.26 CR INDEX: 0.52  
 SEVERITY RATE: 0.26 FAR INDEX: 0.00

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

ADT: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR  
 ACCIDENT RATE: 0.99 CR INDEX: 0.99  
 SEVERITY RATE: 2.36 FAR INDEX: 1.55

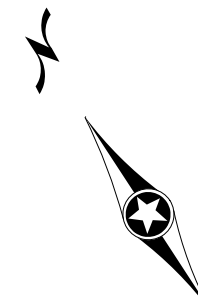
LIGHT	WEATHER	SEVERITY CODE
L = LIGHT DN = DAWN DU = DUSK D = DARK X = UNKNOWN	C = CLEAR CL = CLOUDY R = RAIN S = SNOW/SLEET X = OTHER/UNKNOWN	(N) PROPERTY DAMAGE (C) POSSIBLE INJURY (B) MINOR INJURY (A) SERIOUS INJURY (K) FATALITY



ANOKA COUNTY  
HIGHWAY DEPT.

COLLISION  
DIAGRAM

CSAH 22 FROM RUM RIVER  
BRIDGE TO CSAH 9  
2019 THROUGH 2023



② ← 06/05/2019 (8-9 PM) L, C

INSET D

← 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: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR  
ACCIDENT RATE: 0.99 CR INDEX: 0.99  
SEVERITY RATE: 2.36 FAR INDEX: 1.55

**COLLISION  
DIAGRAM**

CSAH 22 FROM RUM RIVER  
BRIDGE TO CSAH 9  
2019 THROUGH 2023

Sheet   6   of   8   Sheets

**LIGHT**

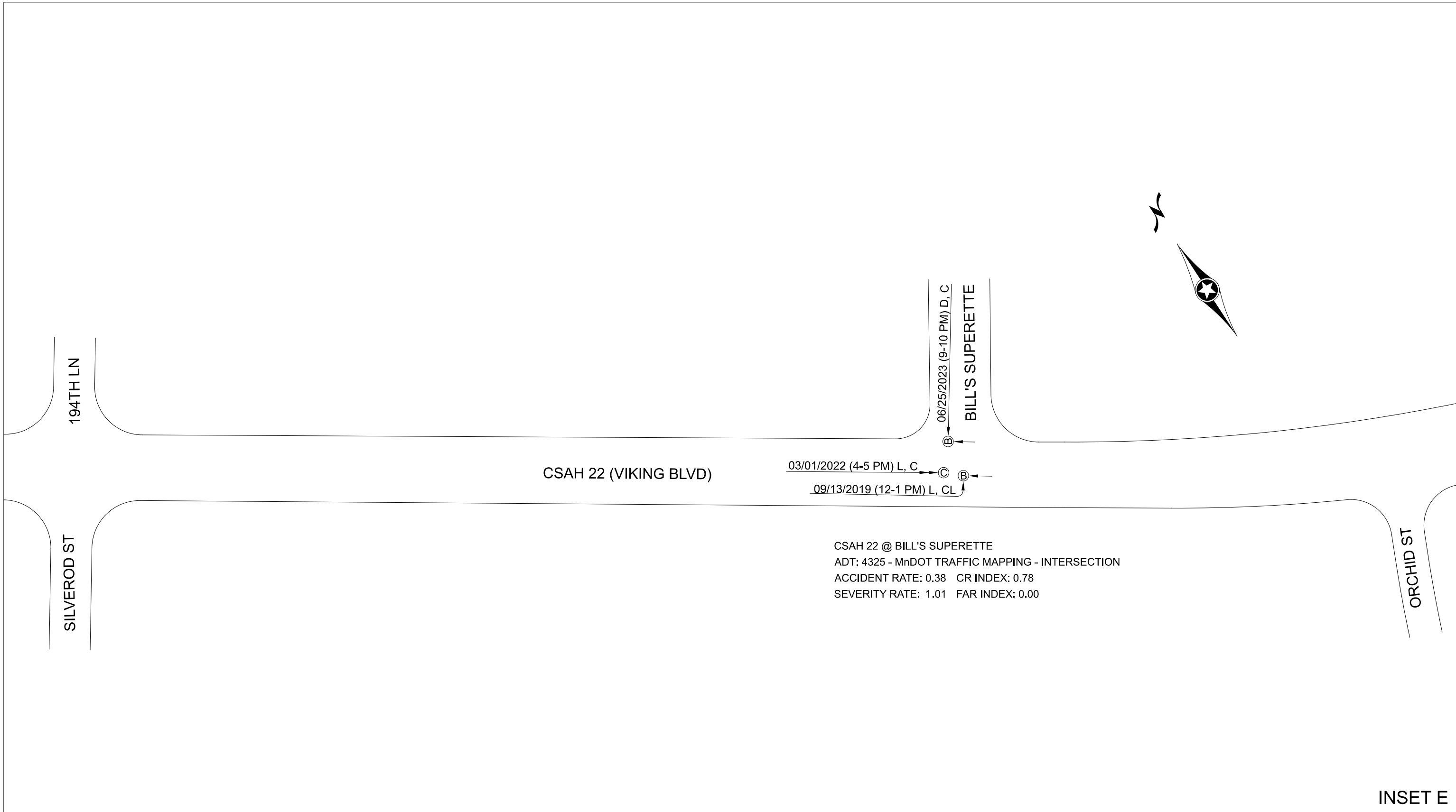
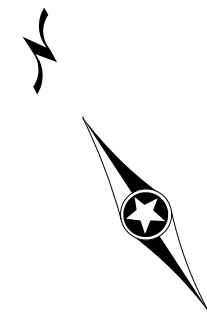
L = LIGHT  
DN = DAWN  
DU = DUSK  
D = DARK  
X = UNKNOWN

**WEATHER**

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

**SEVERITY CODE**

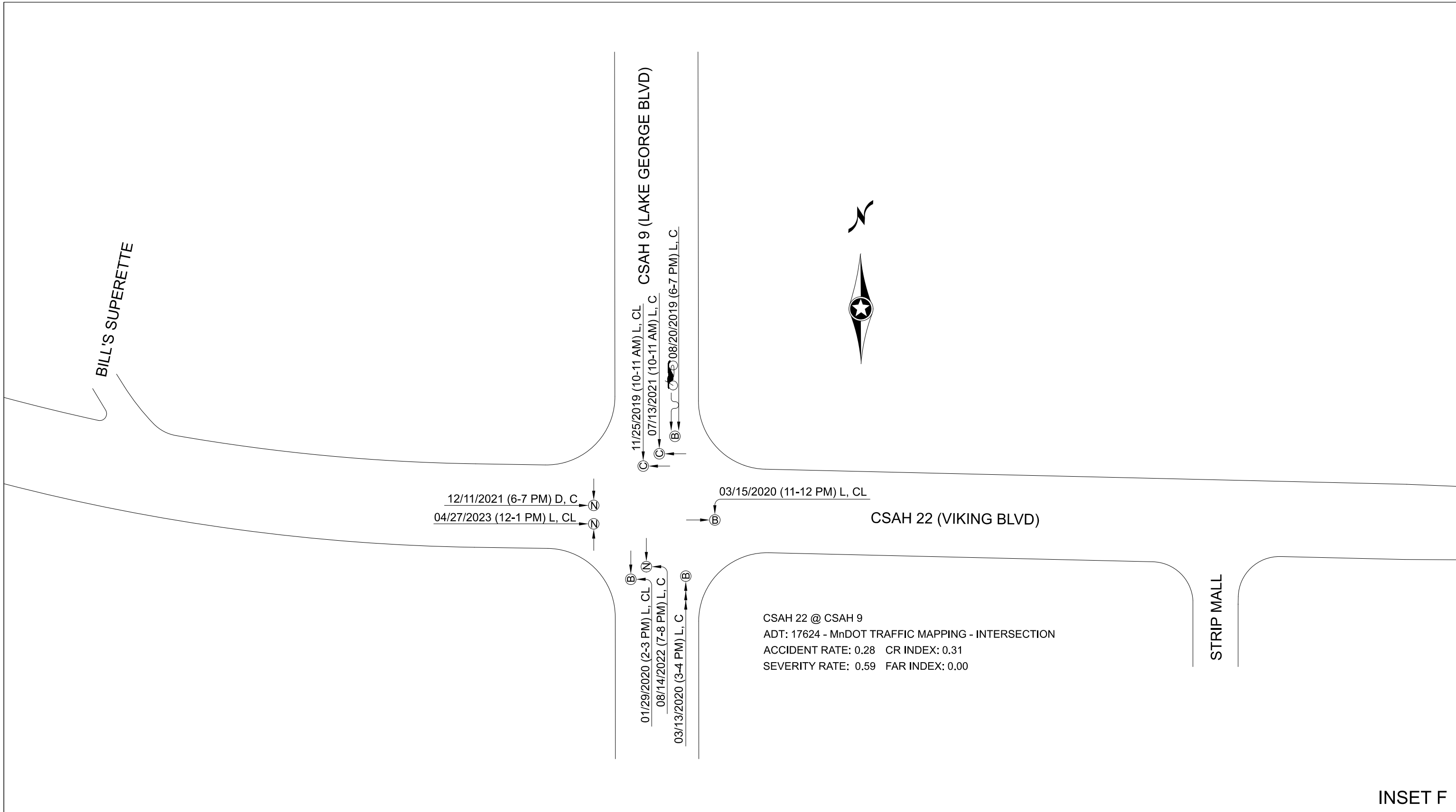
Ⓝ PROPERTY DAMAGE  
Ⓢ POSSIBLE INJURY  
Ⓛ MINOR INJURY  
ⓐ SERIOUS INJURY  
Ⓚ FATALITY



CSAH 22 @ BILL'S SUPERETTE  
 ADT: 4325 - MnDOT TRAFFIC MAPPING - INTERSECTION  
 ACCIDENT RATE: 0.38 CR INDEX: 0.78  
 SEVERITY RATE: 1.01 FAR INDEX: 0.00

INSET E

← 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: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR ACCIDENT RATE: 0.99 CR INDEX: 0.99 SEVERITY RATE: 2.36 FAR INDEX: 1.55
<b>LIGHT</b> L = LIGHT DN = DAWN DU = DUSK D = DARK X = UNKNOWN	<b>WEATHER</b> C = CLEAR CL = CLOUDY R = RAIN S = SNOW/SLEET X = OTHER/UNKNOWN	<b>SEVERITY CODE</b> (N) PROPERTY DAMAGE (C) POSSIBLE INJURY (B) MINOR INJURY (A) SERIOUS INJURY (K) FATALITY			<b>COLLISION DIAGRAM</b>	
					CSAH 22 FROM RUM RIVER BRIDGE TO CSAH 9 2019 THROUGH 2023 Sheet <u>7</u> of <u>8</u> Sheets	



INSET F

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: 8277 - MnDOT TRAFFIC MAPPING - CORRIDOR ACCIDENT RATE: 0.99 CR INDEX: 0.99 SEVERITY RATE: 2.36 FAR INDEX: 1.55
<b>LIGHT</b>	<b>WEATHER</b>	<b>SEVERITY CODE</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	<b>COLLISION DIAGRAM</b>			
			CSAH 22 FROM RUM RIVER BRIDGE TO CSAH 9 2019 THROUGH 2023			
			Sheet <u>  8  </u> of <u>  8  </u> Sheets			



### ACCIDENT AND SEVERITY RATES FOR A CORRIDOR

Segment: **CSAH 22 from Rum River Bridge to CSAH 9**

Study Start Date: **01/01/2019**

Miles = 1.400

Study End Date: **12/31/2023**

Length of study in years: **5.00**

Days = 1825

Weighted

Average ADT for Corridor: **8277**

Total Accidents = 21

Number of Fatal Accidents: **1**

Total Fatal Accidents = 1

5

Number of "A" P.I. Accidents: **2**

Total "A" Injury Accidents = 2

8

Number of "B" P.I. Accidents: **8**

Total "B" Injury Accidents = 8

24

Number of "C" P.I. Accidents: **3**

Total "C" Injury Accidents = 3

6

Number of Property Damage Accidents: **7**

Total Property Damage Accidents = 7

7

Sum of weighted accidents = 50

Accident Rate (AR) = **0.99**

Severity Rate (SR) = **2.36**

# Segment Safety Screening

Segment: CSAH 22 from Rum River Bridge to CSAH 9

*Statewide Averages based on 2018-2022 crashes*

Crashes by Crash Severity	
Fatal (K)	1
Incapacitating Injury (A)	2
Minor Injury (B)	8
Possible Injury (C)	3
Property Damage (PDO)	7
<b>Total Crashes</b>	<b>21</b>

Analysis Description	
Length	1.400 miles
VMT	21,159,323
Non-junction AND Junction Crashes	

*Annual crash cost per mile = \$813,571*

*Statewide comparison = Rural 2-Lane AADT 8000+*

Total Crash Rate (CR)	
Observed	0.992
Statewide Average	0.560
Critical Rate	1.000
<b>Critical Index</b>	<b>0.99</b>

Fatal & Serious Injury Crash Rate (FAR)	
Observed	14.178
Statewide Average	2.427
Critical Rate	9.130
<b>Critical Index</b>	<b>1.55</b>

*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 0.99 per MVMT; this is 1% below the critical rate. Based on similar statewide segments, an additional 1 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 14.18 per 100 MVMT; this is 1.6 times the critical rate. This section may be a sustained severe crash location.*

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 22 @ Blackfoot St		
Study Start Date:	01/01/2019		
Study End Date:	12/31/2023		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	4325	Total Accidents = 3	
Number of Fatal Accidents:	1	Total Fatal Accidents = 1	5
Number of "A" P.I. Accidents:	1	Total "A" Injury Accidents = 1	4
Number of "B" P.I. Accidents:	0	Total "B" Injury Accidents = 0	0
Number of "C" P.I. Accidents:	0	Total "C" Injury Accidents = 0	0
Number of Property Damage Accidents:	1	Total Property Damage Accidents = 1	1
		Sum of weighted accidents =	10
Accident Rate (AR) =	0.38		
Severity Rate (SR) =	1.27		

# Intersection Safety Screening

Intersection: CSAH 22 @ Blackfoot St

---

*Statewide Averages based on 2018-2022 crashes*

Crashes by Crash Severity	
Fatal (K)	1
Serious Injury (A)	1
Minor Injury (B)	0
Possible Injury (C)	0
Property Damage (PDO)	1
<b>Total Crashes</b>	<b>3</b>

Intersection Characteristics	
Entering Volume	4,325
Environment	Rural
Lighting	Lit
Traffic Control	Thru-Stop

*Annual crash cost* = \$483,000

*Statewide comparison* = Rural, Thru/STOP

Total Crash Rate	
Observed	0.380
Statewide Average	0.116
Critical Rate	0.490
<b>Critical Index</b>	<b>0.78</b>

Fatal & Serious Injury Crash Rate	
Observed	25.325
Statewide Average	0.726
Critical Rate	10.940
<b>Critical Index</b>	<b>2.31</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 0.38 per MEV; this is 22% below the critical rate. Based on similar statewide intersections, an additional 1 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 25.33 per 100 MEV; this is 2.3 times the critical rate. This site may be a sustained severe crash location.*

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 22 @ 197th Ave		
Study Start Date:	01/01/2019		
Study End Date:	12/31/2023		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	4584	Total Accidents = 1	
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:	0	Total "B" Injury Accidents = 0	0
Number of "C" P.I. Accidents:	0	Total "C" Injury Accidents = 0	0
Number of Property Damage Accidents:	0	Total Property Damage Accidents = 0	0
		Sum of weighted accidents =	4
Accident Rate (AR) =	0.12		
Severity Rate (SR) =	0.48		

# Intersection Safety Screening

Intersection: CSAH 22 @ 197th Ave

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*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)	0
Property Damage (PDO)	0
Total Crashes	1

Intersection Characteristics	
Entering Volume	4,584
Environment	Rural
Lighting	Unlit
Traffic Control	Thru-Stop

*Annual crash cost = \$160,000*

*Statewide comparison = Rural, Thru/STOP*

Total Crash Rate	
Observed	0.119
Statewide Average	0.116
Critical Rate	0.480
<b>Critical Index</b>	<b>0.25</b>

Fatal & Serious Injury Crash Rate	
Observed	11.947
Statewide Average	0.726
Critical Rate	10.480
<b>Critical Index</b>	<b>1.14</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 75% below the critical rate. Based on similar statewide intersections, an additional 4 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 11.95 per 100 MEV; this is 1.1 times the critical rate. This site may be a sustained severe crash location.*

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 22 @ Yucca St		
Study Start Date:	01/01/2019		
Study End Date:	12/31/2023		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	4289	Total Accidents = 2	
Number of Fatal Accidents:	0	Total Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents = 0	0
Number of "B" P.I. Accidents:	0	Total "B" Injury Accidents = 0	0
Number of "C" P.I. Accidents:	0	Total "C" Injury Accidents = 0	0
Number of Property Damage Accidents:	2	Total Property Damage Accidents = 2	2
		Sum of weighted accidents =	2
Accident Rate (AR) =	0.26		
Severity Rate (SR) =	0.26		

# Intersection Safety Screening

Intersection: CSAH 22 @ Yucca St

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*Statewide Averages based on 2018-2022 crashes*

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	0
Minor Injury (B)	0
Possible Injury (C)	0
Property Damage (PDO)	2
<b>Total Crashes</b>	<b>2</b>

Intersection Characteristics	
Entering Volume	4,289
Environment	Rural
Lighting	Unlit
Traffic Control	Thru-Stop

*Annual crash cost = \$6,000*

*Statewide comparison = Rural, Thru/STOP*

Total Crash Rate	
Observed	0.255
Statewide Average	0.116
Critical Rate	0.490
<b>Critical Index</b>	<b>0.52</b>

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.726
Critical Rate	11.010
<b>Critical Index</b>	<b>0.00</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 0.26 per MEV; this is 48% below the critical rate. Based on similar statewide intersections, an additional 2 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 0.00 per 100 MEV; this is 100% below the critical rate. The intersection operates within the normal range.*



## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 22 @ Bill's Superette		
Study Start Date:	01/01/2019		
Study End Date:	12/31/2023		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	4325	Total Accidents = 3	
Number of Fatal Accidents:	0	Total Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents = 0	0
Number of "B" P.I. Accidents:	2	Total "B" Injury Accidents = 2	6
Number of "C" P.I. Accidents:	1	Total "C" Injury Accidents = 1	2
Number of Property Damage Accidents:	0	Total Property Damage Accidents = 0	0
		Sum of weighted accidents =	8
Accident Rate (AR) =	<b>0.38</b>		
Severity Rate (SR) =	<b>1.01</b>		

# Intersection Safety Screening

Intersection: CSAH 22 @ Bill's Superette

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*Statewide Averages based on 2018-2022 crashes*

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

Intersection Characteristics	
Entering Volume	4,325
Environment	Rural
Lighting	Unlit
Traffic Control	Thru-Stop

*Annual crash cost = \$126,000*

*Statewide comparison = Rural, Thru/STOP*

Total Crash Rate	
Observed	0.380
Statewide Average	0.116
Critical Rate	0.490
<b>Critical Index</b>	<b>0.78</b>

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.726
Critical Rate	10.940
<b>Critical Index</b>	<b>0.00</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 0.38 per MEV; this is 22% below the critical rate. Based on similar statewide intersections, an additional 1 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 0.00 per 100 MEV; this is 100% below the critical rate. The intersection operates within the normal range.*

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 22 @ CSAH 9		
Study Start Date:	01/01/2019		
Study End Date:	12/31/2023		
Length of study in years:	5.00	Days = 1825	Weighted
Intersection ADT:	17624	Total Accidents = 9	
Number of Fatal Accidents:	0	Total Fatal Accidents = 0	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents = 0	0
Number of "B" P.I. Accidents:	4	Total "B" Injury Accidents = 4	12
Number of "C" P.I. Accidents:	2	Total "C" Injury Accidents = 2	4
Number of Property Damage Accidents:	3	Total Property Damage Accidents = 3	3
		Sum of weighted accidents =	19
Accident Rate (AR) =	<b>0.28</b>		
Severity Rate (SR) =	<b>0.59</b>		

# Intersection Safety Screening

Intersection: CSAH 22 @ CSAH 9

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*Statewide Averages based on 2018-2022 crashes*

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	0
Minor Injury (B)	4
Possible Injury (C)	2
Property Damage (PDO)	3
<b>Total Crashes</b>	<b>9</b>

Intersection Characteristics	
Entering Volume	17,624
Environment	Rural
Lighting	Lit
Traffic Control	Signal

*Annual crash cost = \$261,000*

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

Total Crash Rate	
Observed	0.280
Statewide Average	0.548
Critical Rate	0.900
<b>Critical Index</b>	<b>0.31</b>

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	1.024
Critical Rate	4.860
<b>Critical Index</b>	<b>0.00</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 0.28 per MEV; this is 69% below the critical rate. Based on similar statewide intersections, an additional 20 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 0.00 per 100 MEV; this is 100% below the critical rate. The intersection operates within the normal range.*