DRAWING NOT TO SCALE

INTERSECTION - CSAH 78 @ CSAH 58
ADT: 6787 (TMC 2633)
ACCIDENT RATE: 0.38 CR INDEX: 0.57
SEVERITY RATE: 0.60 FAR INDEX: 0.00

CSAH 58 (181ST AVE)

CSAH 78 (HANSON BLVD)

12/6/21 (11AM-12PM) L, C (N)

3/27/24 (6-7 PM) L, C (N)

8/3/22 (8-9 AM) L, C (B)

9/12/23 (12-1 PM) L, CL (N)

CSAH 78 (FLAMINGO ST)

7/15/23 (7-8 AM) L, C (C)

UTILITY POLE (N)

3/15/21 (7-8 PM) D, S

MATCHLINE A

DATE, TIME, LIGHT, WEATHER

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

- 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

CORRIDOR - INCLUDING INTERSECTIONS
ADT: 4845 (TMC 2633)
ACCIDENT RATE: 1.80 CR INDEX: 1.33
SEVERITY RATE: 3.17 FAR INDEX: 1.25

ANOKA COUNTY

ANOKA COUNTY HIGHWAY DEPT.

COLLISION DIAGRAM

CSAH 78 (HANSON BLVD/FLAMINGO ST) FROM CSAH 58 (181ST AVE) TO CSAH 22 (VIKING BLVD)
JAN 2021 TO MAY 5, 2026

DRAWING NOT TO SCALE

191ST AVE

CSAH 22 (VIKING BLVD)

INTERSECTION - CSAH 22 @ CSAH 78
ADT: 10997 (TMC 2632)
ACCIDENT RATE: 0.42 CR INDEX: 1.32
SEVERITY RATE: 0.79 FAR INDEX: 1.76

CSAH 78 (FLAMINGO ST)

MATCHLINE A

2/2/22 (6-7 PM) D, SN

7/12/21 (10-11 AM) L, C

10/17/22 (10-11 PM) D, C

9/14/22 (5-6 PM) L, C

4/8/25 (11 PM-12 AM) D, C

GUARDRAIL

5/18/25 (10-11 PM) L, C

3/31/24 (7-8 AM) L, R

6/9/24 (11-12 PM) L, C

9/27/21 (8-9 AM) L, C

10/1/21 (7-8 AM) L, CL

GUARDRAIL

9/1/23 (2-3 PM) L, C

DATE, TIME, LIGHT, WEATHER

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

- 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

CORRIDOR - INCLUDING INTERSECTIONS
ADT: 4845 (TMC 2633)
ACCIDENT RATE: 1.80 CR INDEX: 1.33
SEVERITY RATE: 3.17 FAR INDEX: 1.25

ANOKA COUNTY

ANOKA COUNTY HIGHWAY DEPT.

COLLISION DIAGRAM

CSAH 78 (HANSON BLVD/FLAMINGO ST) FROM CSAH 58 (181ST AVE) TO CSAH 22 (VIKING BLVD)
JAN 2021 TO MAY 5, 2026

ACCIDENT AND SEVERITY RATES FOR A CORRIDOR

Segment:	CSAH 78 from CSAH 58 to CSAH 22			
Study Start Date:	01/01/2021	Miles =	1.000	
Study End Date	05/05/2026			
Length of study in years:	5.34	Days =	1950.722222	Weighted
Average ADT for Corridor:	4845	Total Accidents =	17	
Number of Fatal Accidents:	0	Total Fatal Accidents =	0	0
Number of "A" P.I. Accidents:	2	Total "A" Injury Accidents =	2	8
Number of "B" P.I. Accidents:	3	Total "B" Injury Accidents =	3	9
Number of "C" P.I. Accidents:	1	Total "C" Injury Accidents =	1	2
Number of Property Damage Accidents:	11	Total Property Damage Accidents =	11	11
			Sum of weighted accidents =	30
Accident Rate (AR) =	**1.80**			
Severity Rate (SR) =	**3.17**			

Segment Safety Screening

Segment: CSAH 78 from CSAH 58 to CSAH 22

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Incapacitating Injury (A)	2
Minor Injury (B)	3
Possible Injury (C)	1
Property Damage (PDO)	11
Total Crashes	17

Analysis Description	
Length	1.500 miles
VMT	13,270,455
Non-junction AND Junction Crashes	

Annual crash cost per mile = *$352,667*

Statewide comparison = *Rural 2-Lane AADT 1500-4999*

Total Crash Rate (CR)	
Observed	1.281
Statewide Average	0.451
Critical Rate	0.960
Critical Index	**1.33**

Fatal & Serious Injury Crash Rate (FAR)	
Observed	15.071
Statewide Average	2.599
Critical Rate	12.040
Critical Index	**1.25**

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 1.28 per MVMT; this is 1.3 times the critical rate. If crashes were reduced by 5 over five years (29%), the section would perform within normal range.

The observed fatal and serious injury crash rate for this period is 15.07 per 100 MVMT; this is 1.3 times the critical rate. This section may be a sustained severe crash location.

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 78 @ CSAH 58			
Study Start Date:	01/01/2021			
Study End Date	05/05/2026			
Length of study in years:	5.34	Days =	1950.722	Weighted
Intersection ADT:	6787	Total Accidents =	5	
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:	1	Total "B" Injury Accidents =	1	3
Number of "C" P.I. Accidents:	1	Total "C" Injury Accidents =	1	2
Number of Property Damage Accidents:	3	Total Property Damage Accidents =	3	3
		Sum of weighted accidents =		8
Accident Rate (AR) =	**0.38**			
Severity Rate (SR) =	**0.60**			

Intersection Safety Screening

Intersection: CSAH 78 @ CSAH 58

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	0
Minor Injury (B)	1
Possible Injury (C)	1
Property Damage (PDO)	3
Total Crashes	5

Intersection Characteristics	
Entering Volume	6,787
Environment	Rural
Lighting	Lit
Traffic Control	All-way Stop

Annual crash cost = $85,000

Statewide comparison = All-way STOP

Total Crash Rate	
Observed	0.403
Statewide Average	0.281
Critical Rate	0.710
Critical Index	**0.57**

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.233
Critical Rate	6.030
Critical Index	**0.00**

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 0.40 per MEV; this is 43% 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 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 78 @ CSAH 58			
Study Start Date:	01/01/2021			
Study End Date	05/05/2026			
Length of study in years:	5.34	Days =	1950.722	Weighted
Intersection ADT:	10997	Total Accidents =	9	
Number of Fatal Accidents:	0	Total Fatal Accidents =	0	0
Number of "A" P.I. Accidents:	2	Total "A" Injury Accidents =	2	8
Number of "B" P.I. Accidents:	1	Total "B" Injury Accidents =	1	3
Number of "C" P.I. Accidents:	0	Total "C" Injury Accidents =	0	0
Number of Property Damage Accidents:	6	Total Property Damage Accidents =	6	6
		Sum of weighted accidents =		17
Accident Rate (AR) =	**0.42**			
Severity Rate (SR) =	**0.79**			

Intersection Safety Screening

Intersection: CSAH 78 @ CSAH 58

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	2
Minor Injury (B)	1
Possible Injury (C)	0
Property Damage (PDO)	6
Total Crashes	9

Intersection Characteristics	
Entering Volume	10,997
Environment	Rural
Lighting	Lit
Traffic Control	Thru-Stop

Annual crash cost = *$388,000*

Statewide comparison = *Rural, Thru/STOP*

Total Crash Rate	
Observed	0.448
Statewide Average	0.116
Critical Rate	0.340
Critical Index	**1.32**

Fatal & Serious Injury Crash Rate	
Observed	9.960
Statewide Average	0.726
Critical Rate	5.650
Critical Index	**1.76**

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 0.45 per MEV; this is 1.3 times the critical rate. If crashes were reduced by 3 over five years, this intersection would perform within normal range.

The observed fatal and serious injury crash rate for this period is 9.96 per 100 MEV; this is 1.8 times the critical rate. This site may be a sustained severe crash location.