



DRAWING NOT TO SCALE

PARKING LOT

FILLMORE ST

COLUMBIA HEIGHTS HS

CSAH 4 (49TH AVE)

FILLMORE ST

01/27/23 (8-9 AM) L, C → (N)

(N) ← 10/06/21 (7-8 AM) L, 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: 5231 - MNDOT TRAFFIC MAP
 ACCIDENT RATE: 0.35 CR INDEX: 0.42
 SEVERITY RATE: 0.35 FAR INDEX: 0.00

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

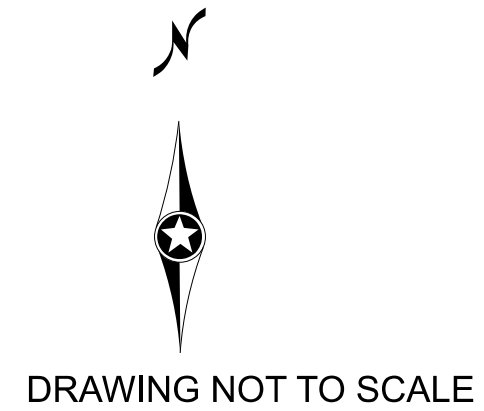


**ANOKA COUNTY
 HIGHWAY DEPT.**

**COLLISION
 DIAGRAM**

CSAH 4 (49TH AVE) FROM
 FILLMORE ST TO JOHNSON ST
 JAN 2021 TO DEC 2023

PARKING LOT



JOHNSON ST

CSAH 4 (49TH AVE)

COLUMBIA HEIGHTS HS

DATE, TIME, LIGHT, WEATHER



- OVERTURN
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**ANOKA COUNTY
 HIGHWAY DEPT.**

**COLLISION
 DIAGRAM**

CSAH 4 (49TH AVE) FROM
 FILLMORE ST TO JOHNSON ST
 JAN 2021 TO DEC 2023

Sheet 2 of 2 Sheets

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 4 @ FILLMORE ST		
Study Start Date:	01/01/2021		
Study End Date:	12/31/2023		
Length of study in years:	3.00	Days = 1095	Weighted
Intersection ADT:	5231	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) =	0.35		
Severity Rate (SR) =	0.35		

Intersection Safety Screening

Intersection: CSAH 4 @ FILLMORE ST

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
Total Crashes	2

Intersection Characteristics	
Entering Volume	5,231
Environment	Urban
Lighting	Unlit
Traffic Control	Thru-Stop

Annual crash cost = \$6,000

Statewide comparison = Urban, Thru/STOP

Total Crash Rate	
Observed	0.209
Statewide Average	0.138
Critical Rate	0.500
Critical Index	0.42

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.350
Critical Rate	8.040
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 0.21 per MEV; this is 58% below the critical rate. Based on similar statewide intersections, an additional 3 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.