



DATE, TIME, LIGHT, WEATHER		
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

☒ OVERTURN	🚗 PARKED VEHICLE
💥 FIRE OR EXPLOSION	🏍️ MOTORCYCLE
➡ MOVING VEHICLE	🦌 DEER
⬅ REAR END	🚶 PEDESTRIAN
➡➡➡ BACKING VEHICLE	🚲 BICYCLE
☒ COLLISION WITH FIXED OBJECT	☐ FIXED OBJECT
↔ SIDE SWIPE SAME DIRECTION	↔ RIGHT ANGLE
↔ SIDE SWIPE OPPOSITE DIRECTION	

∞ VEHICLE OUT OF CONTROL	ANOKA COUNTY HIGHWAY DEPT.
↔ LEFT TURN INTO ONCOMING TRAFFIC	

ADT: 11645	ACCIDENT RATE: 0.33	CR INDEX: 0.57
SEVERITY RATE: 0.52	FAR INDEX: 1.21	
COLLISION DIAGRAM		
CSAH 9 @ CSAH 58 FROM 01/01/2018 TO 12/31/2022		
Sheet <u> 1 </u> of <u> 1 </u> Sheets		

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection: **CSAH 9 (Round Lake Blvd) @ CSAH 58 (181st Ave)**

Study Start Date: **01/01/2018**

Study End Date: **12/31/2022**

Length of study in years: **5.00**

Intersection ADT: **11645**

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: **1**

Number of Property Damage Accidents: **5**

Accident Rate (AR) = **0.33**

Severity Rate (SR) = **0.52**

Days = 1825 Weighted

Total Accidents = 7

Total Fatal Accidents = 0 0

Total "A" Injury Accidents = 1 4

Total "B" Injury Accidents = 0 0

Total "C" Injury Accidents = 1 2

Total Property Damage Accidents = 5 5

Sum of weighted accidents = 11

Intersection Safety Screening

Intersection: CSAH 9 (Round Lake Blvd) @ CSAH 58 (181st Ave)

Statewide Averages based on 2016-2020 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	1
Minor Injury (B)	0
Possible Injury (C)	1
Property Damage (PDO)	5
Total Crashes	7

Intersection Characteristics	
Entering Volume	11,645
Environment	Rural
Lighting	Lit
Traffic Control	All-way Stop

Annual crash cost = \$187,000

Statewide comparison = All-way STOP

Total Crash Rate	
Observed	0.329
Statewide Average	0.267
Critical Rate	0.580
Critical Index	0.57

Fatal & Serious Injury Crash Rate	
Observed	4.700
Statewide Average	0.221
Critical Rate	3.880
Critical Index	1.21

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 0.33 per MEV; this is 43% below the critical rate. Based on similar statewide intersections, an additional 6 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 4.70 per 100 MEV; this is 1.2 times the critical rate. This site may be a sustained severe crash location.



Crash Case Listing

CSAH 9 @ CSAH 58

Route System	Route Number	Measure	Co	City	Incident Number	Date	Time Day of Week	Basic Type	Num Veh	Sev
04-CSAH	9	7.138	02	Andover	01061436	11/28/22	1459 MON	Rear End	2	C
04-CSAH	9	7.144	02	Andover	00747355	09/13/19	1449 FRI	Angle	3	A
04-CSAH	9	7.149	02	Andover	01038997	08/10/22	1355 WED	Other	2	N
04-CSAH	9	7.150	02	Oak Grove	00591898	04/17/18	1720 TUE	Angle	2	N
04-CSAH	9	7.166	02	Oak Grove	01057773	11/14/22	0815 MON	SVROR	1	N
04-CSAH	9	7.170	02	Oak Grove	00699584	03/22/19	1741 FRI	Rear End	2	N
07-CR	58	3.652	02	Andover	00871639	12/29/20	1612 TUE	SSO	2	N

Selection Filter:

WORK AREA: County('659447') - FILTER: Year('2018','2019','2020','2021','2022') - SPATIAL FILTER APPLIED

Analyst:

Notes:

Andrea Schmid	2018 - 2022
---------------	-------------

