



<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>🚗 PARKED VEHICLE</p> <p>🏍️ MOTORCYCLE</p> <p>🦌 DEER</p> <p>🚶 PEDESTRIAN</p> <p>🚲 BICYCLE</p> <p>☐ FIXED OBJECT</p> <p>↔ RIGHT ANGLE</p>			<p>⊖ VEHICLE OUT OF CONTROL</p> <p>↔ LEFT TURN INTO ONCOMING TRAFFIC</p>			<p>ADT: 8461</p> <p>ACCIDENT RATE: 0.20 CR INDEX: 0.57</p> <p>SEVERITY RATE: 0.41 FAR INDEX: 0.00</p>		
<p><b>LIGHT</b></p> <p>L = LIGHT</p> <p>DN = DAWN</p> <p>DU = DUSK</p> <p>D = DARK</p> <p>X = UNKNOWN</p>	<p><b>WEATHER</b></p> <p>C = CLEAR</p> <p>CL = CLOUDY</p> <p>R = RAIN</p> <p>S = SNOW/SLEET</p> <p>X = OTHER/UNKNOWN</p>	<p><b>SEVERITY CODE</b></p> <p>○ PROPERTY DAMAGE</p> <p>⊙ POSSIBLE INJURY</p> <p>⊕ MINOR INJURY</p> <p>⊖ SERIOUS INJURY</p> <p>● FATALITY</p>	<p> ANOKA COUNTY</p>			<p><b>ANOKA COUNTY HIGHWAY DEPT.</b></p>			<p><b>COLLISION DIAGRAM</b></p>					
						<p>CSAH 17 @ 155TH AVE NE</p> <p>FROM 01/01/2018 TO 09/30/2022</p>			<p>Sheet <u>  1  </u> of <u>  1  </u> Sheets</p>					

## ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection: **CSAH 17 @ 155TH AVE**

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

Study End Date: **09/30/2022**

Length of study in years: **4.75**

Intersection ADT: **8461**

Number of Fatal Accidents: **0**

Number of "A" P.I. Accidents: **0**

Number of "B" P.I. Accidents: **1**

Number of "C" P.I. Accidents: **1**

Number of Property Damage Accidents: **1**

Accident Rate (AR) = **0.20**

Severity Rate (SR) = **0.41**

Days = 1732.736      Weighted

Total Accidents = 3

Total Fatal Accidents = 0      0

Total "A" Injury Accidents = 0      0

Total "B" Injury Accidents = 1      3

Total "C" Injury Accidents = 1      2

Total Property Damage Accidents = 1      1

Sum of weighted accidents = 6

# Intersection Safety Screening

Intersection: CSAH 17 @ 155TH AVE

---

*Statewide Averages based on 2016-2020 crashes*

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

Intersection Characteristics	
Entering Volume	8,461
Environment	Rural
Lighting	Lit
Traffic Control	Thru-Stop

*Annual crash cost = \$72,600*

*Statewide comparison = Rural, Thru/STOP*

Total Crash Rate	
Observed	0.194
Statewide Average	0.100
Critical Rate	0.340
<b>Critical Index</b>	<b>0.57</b>

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.548
Critical Rate	6.200
<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 0.19 per MEV; this is 43% 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.*



# Crash Case Listing

## CSAH 17 AT 155TH AVE NE

Report Version 1.0  
February 2020

Route System	Route Number	Measure	Co	City	Incident Number	Date	Time Day of Week	Basic Type	Num Veh	Sev
04-CSAH	17	8.944	02	Ham Lake	00623931	07/28/18	0745 SAT	Angle	2	B
04-CSAH	17	8.949	02	Ham Lake	00590688	04/13/18	2043 FRI	SVROR	1	N
04-CSAH	17	8.955	02	Ham Lake	00690232	02/20/19	1825 WED	SVROR	1	C

Selection Filter:

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

Analyst:

Notes:

Andrea Schmid | 01/01/2018 TO 09/30/2022