



DATE, TIME, LIGHT, WEATHER								
LIGHT	WEATHER	SEVERITY CODE	OVERTURN	PARKED VEHICLE	VEHICLE OUT OF CONTROL	ADT: 8461		
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 🔥 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	✖ VEHICLE OUT OF CONTROL ➡ LEFT TURN INTO ONCOMING TRAFFIC ➡ RIGHT ANGLE	ACCIDENT RATE: 0.20	CR INDEX: 0.57	SEVERITY RATE: 0.41
						ANOKA COUNTY HIGHWAY DEPT.	COLLISION DIAGRAM	CSAH 17 @ 155TH AVE NE FROM 01/01/2018 TO 09/30/2022



## 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	Days = 1732.736 Weighted
Intersection ADT:	8461	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:	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:	1	Total Property Damage Accidents = 1 1
		Sum of weighted accidents = 6
Accident Rate (AR) =	0.20	
Severity Rate (SR) =	0.41	

# Intersection Safety Screening

Intersection: CSAH 17 @ 155TH AVE

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*Statewide Averages based on 2016-2020 crashes*

Crashes by Crash Severity		Intersection Characteristics	
Fatal (K)	0	Entering Volume	8,461
Serious Injury (A)	0	Environment	Rural
Minor Injury (B)	1	Lighting	Lit
Possible Injury (C)	1	Traffic Control	Thru-Stop
Property Damage (PDO)	1		
Total Crashes	3		

*Annual crash cost* = \$72,600

*Statewide comparison* = *Rural, Thru/STOP*

Total Crash Rate		Fatal & Serious Injury Crash Rate	
Observed	0.194	Observed	0.000
Statewide Average	0.100	Statewide Average	0.548
Critical Rate	0.340	Critical Rate	6.200
<b>Critical Index</b>	<b>0.57</b>	<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