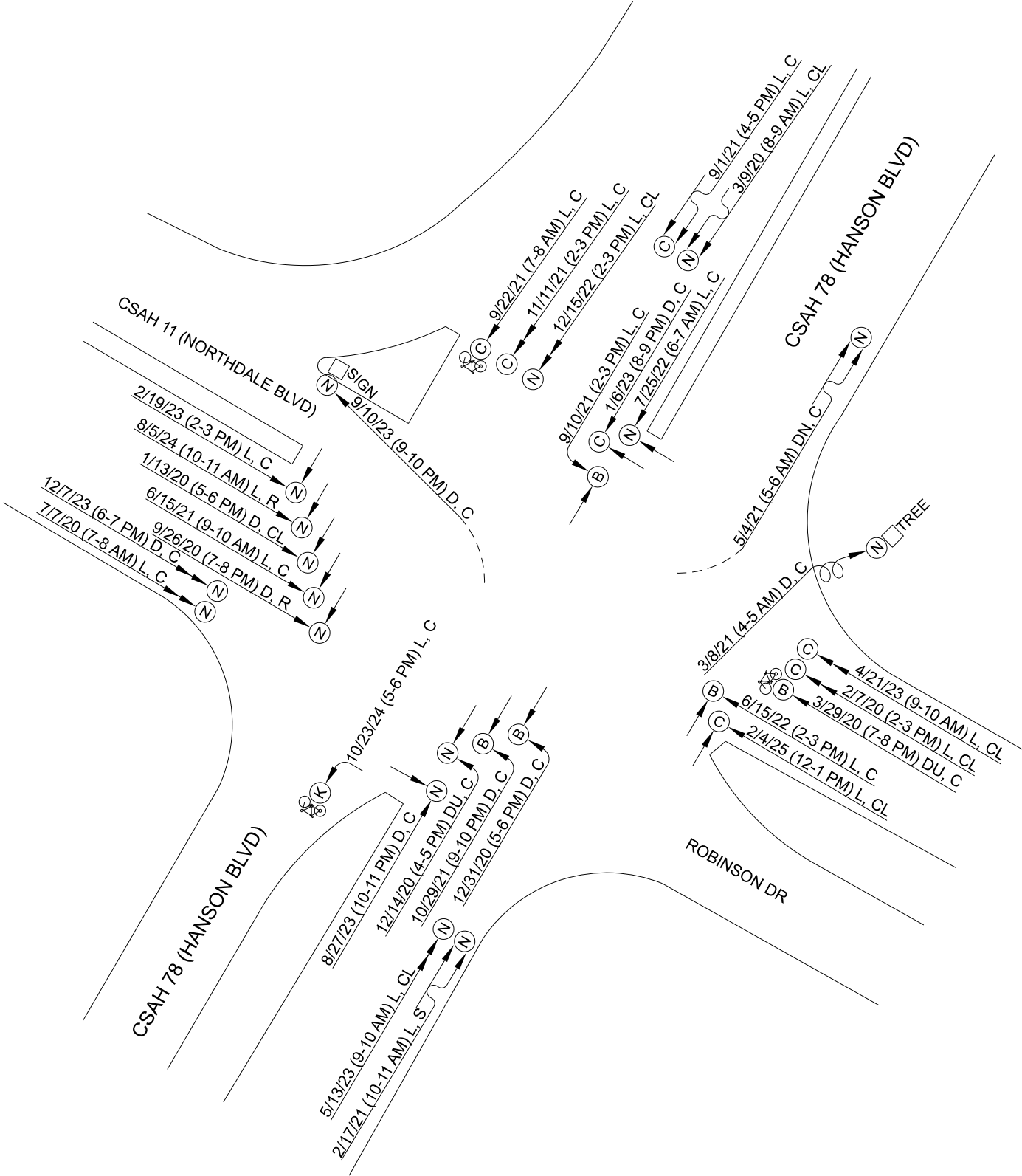

















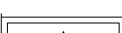




DRAWING NOT TO SCALE



DATE, TIME, LIGHT, WEATHER													ADT: 36775 (TMC 2548) ACCIDENT RATE: 0.53   CR INDEX: 0.57 SEVERITY RATE: 0.89   FAR INDEX: 0.44									
LIGHT	WEATHER	SEVERITY CODE	 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	 ANOKA COUNTY HIGHWAY DEPT.	COLLISION DIAGRAM	CSAH 78 (HANSON BLVD) @ CSAH 11 (NORTHDALE BLVD)/ROBINSON DR JAN 2020 TO MARCH 2025
L = LIGHT DN = DAWN DU = DUSK D = DARK X = UNKNOWN	C = CLEAR CL = CLOUDY R = RAIN S = SNOW/SLEET X = OTHER/UNKNOWN	(N) PROPERTY DAMAGE (C) POSSIBLE INJURY (B) MINOR INJURY (A) SERIOUS INJURY (K) FATALITY											Sheet <u>  1  </u> of <u>  1  </u> Sheets									

### ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 78 @ CSAH 11/ROBINSON DR		
Study Start Date:	01/01/2020		
Study End Date:	03/30/2024		
Length of study in years:	4.25	Days = 1550.236	Weighted
Intersection ADT:	36775	Total Accidents =	30
Number of Fatal Accidents:	1	Total Fatal Accidents =	1 5
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents =	0 0
Number of "B" P.I. Accidents:	5	Total "B" Injury Accidents =	5 15
Number of "C" P.I. Accidents:	7	Total "C" Injury Accidents =	7 14
Number of Property Damage Accidents:	17	Total Property Damage Accidents =	17 17
		Sum of weighted accidents =	51
Accident Rate (AR) =	0.53		
Severity Rate (SR) =	0.89		

# Intersection Safety Screening

Intersection: CSAH 78 @ CSAH 11/ROBINSON DR

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*Statewide Averages based on 2018-2022 crashes*

Crashes by Crash Severity	
Fatal (K)	1
Serious Injury (A)	0
Minor Injury (B)	5
Possible Injury (C)	7
Property Damage (PDO)	17
Total Crashes	30

Intersection Characteristics	
Entering Volume	36,775
Environment	Urban
Lighting	Lit
Traffic Control	Signal

*Annual crash cost* = \$803,000

*Statewide comparison* = Signal, Low Volume (<=20K)

Total Crash Rate	
Observed	0.447
Statewide Average	0.548
Critical Rate	0.790
<b>Critical Index</b>	<b>0.57</b>

Fatal & Serious Injury Crash Rate	
Observed	1.489
Statewide Average	1.024
Critical Rate	3.350
<b>Critical Index</b>	<b>0.44</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 0.45 per MEV; this is 43% below the critical rate. Based on similar statewide intersections, an additional 24 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 1.49 per 100 MEV; this is 56% below the critical rate. The intersection operates within the normal range.*