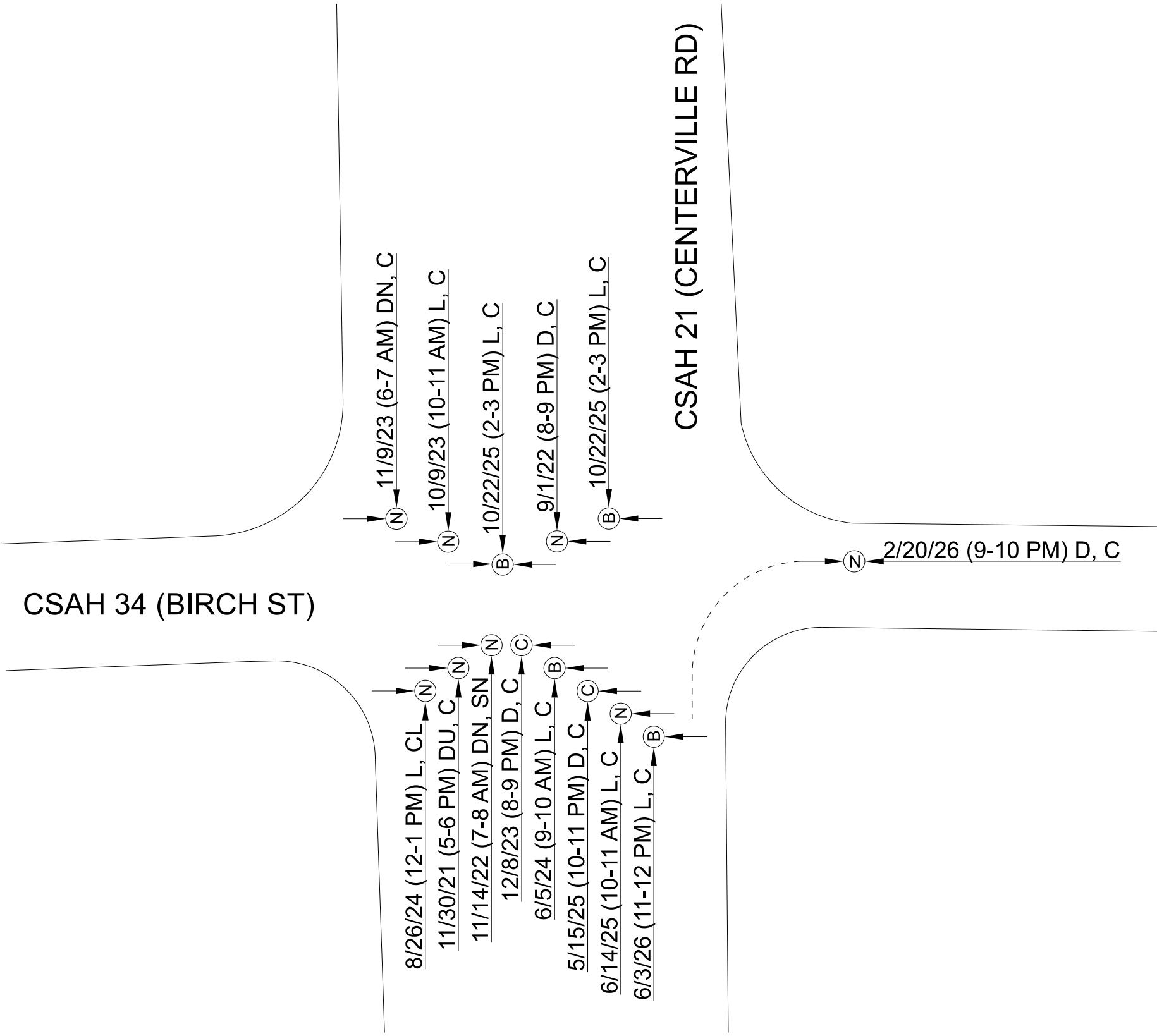




DRAWING NOT TO SCALE



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: 11342 (MS2 - 2025) ACCIDENT RATE: 0.59 CR INDEX: 1.11 SEVERITY RATE: 1.05 FAR INDEX: 0.00		
LIGHT	WEATHER	SEVERITY CODE	ANOKA COUNTY HIGHWAY DEPT. COLLISION DIAGRAM CSAH 34 (BIRCH ST) @ CSAH 21 (CENTERVILLE RD) JAN 2021 TO SEPT 17, 2026 Sheet <u> 1 </u> of <u> 1 </u> Sheets					
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						

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 34 @ CSAH 21		
Study Start Date:	01/01/2021		
Study End Date:	09/17/2026		
Length of study in years:	5.71	Days = 2084.556	Weighted
Intersection ADT:	11342	Total Accidents =	14
Number of Fatal Accidents:	0	Total Fatal Accidents =	0
Number of "A" P.I. Accidents:	0	Total "A" Injury Accidents =	0
Number of "B" P.I. Accidents:	4	Total "B" Injury Accidents =	4
Number of "C" P.I. Accidents:	2	Total "C" Injury Accidents =	2
Number of Property Damage Accidents:	8	Total Property Damage Accidents =	8
		Sum of weighted accidents =	24
Accident Rate (AR) =	0.59		
Severity Rate (SR) =	1.02		

Intersection Safety Screening

Intersection: CSAH 34 @ CSAH 21

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	0
Minor Injury (B)	4
Possible Injury (C)	2
Property Damage (PDO)	8
Total Crashes	14

Intersection Characteristics	
Entering Volume	11,342
Environment	Rural
Lighting	Lit
Traffic Control	All-way Stop

Annual crash cost = \$276,000

Statewide comparison = All-way STOP

Total Crash Rate	
Observed	0.676
Statewide Average	0.281
Critical Rate	0.610
Critical Index	1.11

Fatal & Serious Injury Crash Rate	
Observed	0.000
Statewide Average	0.233
Critical Rate	4.010
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 0.68 per MEV; this is 1.1 times the critical rate. If crashes were reduced by 2 over five years, this intersection would perform within 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.