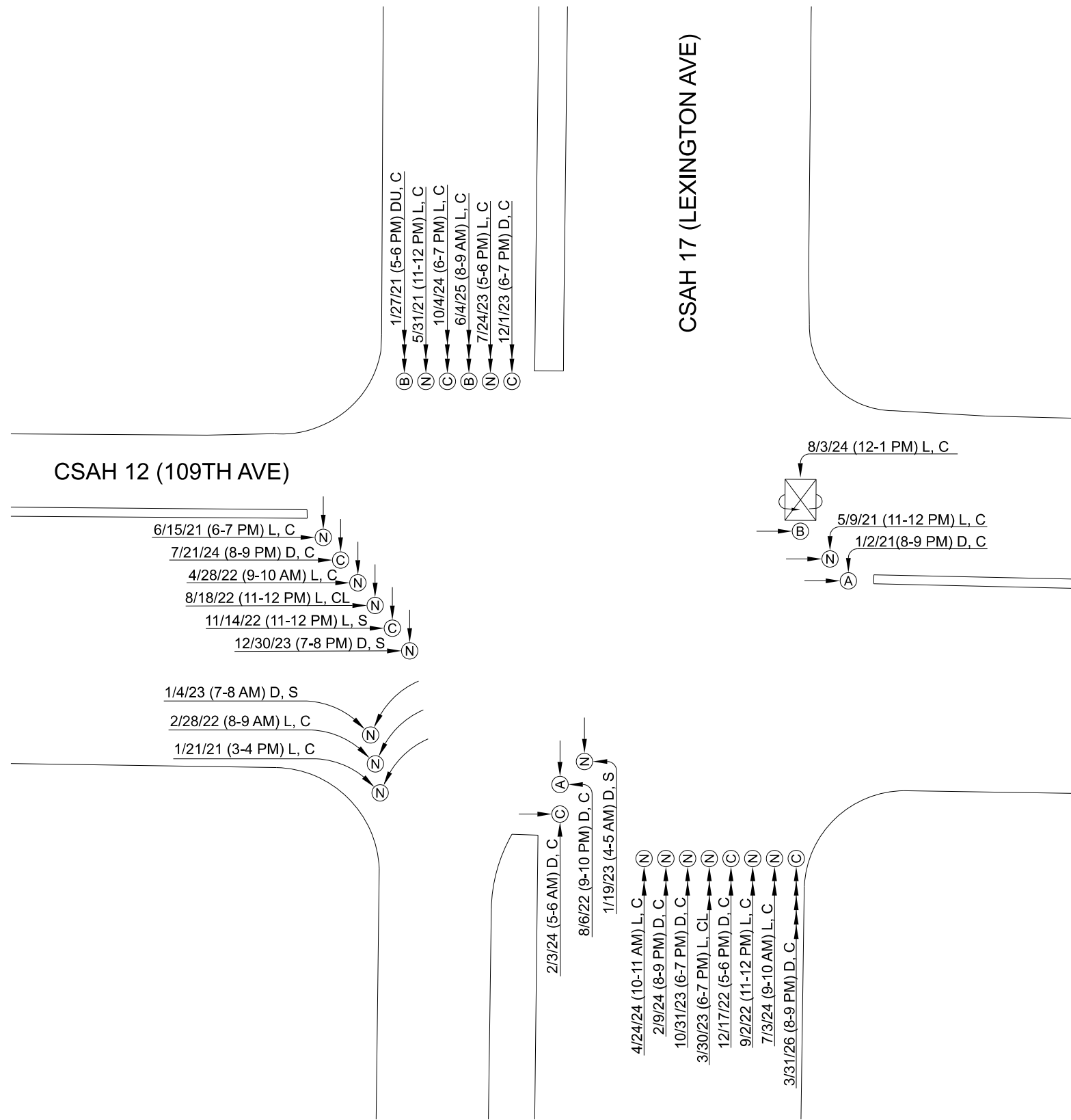




DRAWING NOT TO SCALE



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: 35375 (TMC 2619)
 ACCIDENT RATE: 0.41 CR INDEX: 0.57
 SEVERITY RATE: 0.69 FAR INDEX: 0.91

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	(N) PROPERTY DAMAGE (C) POSSIBLE INJURY (B) MINOR INJURY (A) SERIOUS INJURY (K) FATALITY



ANOKA COUNTY
HIGHWAY DEPT.

COLLISION
DIAGRAM

CSAH 17 (LEXINGTON AVE) @
CSAH 12 (109TH AVE)
JAN 2021 TO MAY 2026

Sheet 1 of 1 Sheets

ACCIDENT AND SEVERITY RATES FOR AN INTERSECTION

Intersection:	CSAH 17 @ CSAH 12	
Study Start Date:	01/01/2021	
Study End Date:	05/31/2026	
Length of study in years:	5.42	Days = 1977.083 Weighted
Intersection ADT:	35375	Total Accidents = 29
Number of Fatal Accidents:	0	Total Fatal Accidents = 0 0
Number of "A" P.I. Accidents:	2	Total "A" Injury Accidents = 2 8
Number of "B" P.I. Accidents:	3	Total "B" Injury Accidents = 3 9
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 = 48
Accident Rate (AR) =	0.41	
Severity Rate (SR) =	0.69	

Intersection Safety Screening

Intersection: CSAH 17 @ CSAH 12

Statewide Averages based on 2018-2022 crashes

Crashes by Crash Severity	
Fatal (K)	0
Serious Injury (A)	2
Minor Injury (B)	3
Possible Injury (C)	7
Property Damage (PDO)	17
Total Crashes	29

Intersection Characteristics	
Entering Volume	35,373
Environment	Urban
Lighting	Lit
Traffic Control	Signal

Annual crash cost = \$703,000

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

Total Crash Rate	
Observed	0.449
Statewide Average	0.548
Critical Rate	0.790
Critical Index	0.57

Fatal & Serious Injury Crash Rate	
Observed	3.096
Statewide Average	1.024
Critical Rate	3.410
Critical Index	0.91

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 23 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 3.10 per 100 MEV; this is 9% below the critical rate. The intersection operates within the normal range.