



Madison Elementary

1040 29th Street N, Fargo, ND 58102

DISTRICT

Fargo Public School District #1

GRADES

K-5

AVERAGE ENROLLMENT

135

ARRIVAL

8:40 a.m.

DISMISSAL

3:02 p.m.

Existing Conditions

Madison Elementary is a Kindergarten through 5th grade school in the Fargo Public School District. It is located approximately two miles northwest of Downtown Fargo in the city's Madison/Unicorn Park Neighborhood. The neighborhood primarily consists of industrial and residential land uses. Within the Madison boundaries, per capita income is significantly less than the district average, as well as, the median household income. Over three-quarters of Madison's students are eligible for free and reduced lunch program. Approximately 17 percent of students participate in English Language Learners programs.

The Madison school facility was constructed in 1957. The Madison campus is bound by a drainage channel to the west, 11th Avenue N to the north, 29th Street N to the east, and 10th Avenue N to the south. The school is near some medium and high traffic volume roadways; however, most students do not need to cross these streets to get to school.

Within the neighborhood, sidewalks are present on both sides of most streets. Sidewalk gaps include the west side and south sides of 11th Avenue N between 12th Avenue N and 29th Street N. This includes a sidewalk gap along the north side of the school property. High visibility crosswalk markings are located on 29th Street N at 10th Avenue N and 11th Avenue N. A school speed zone is located on 29th Street N from Madison Avenue N to south of 10th Avenue N.

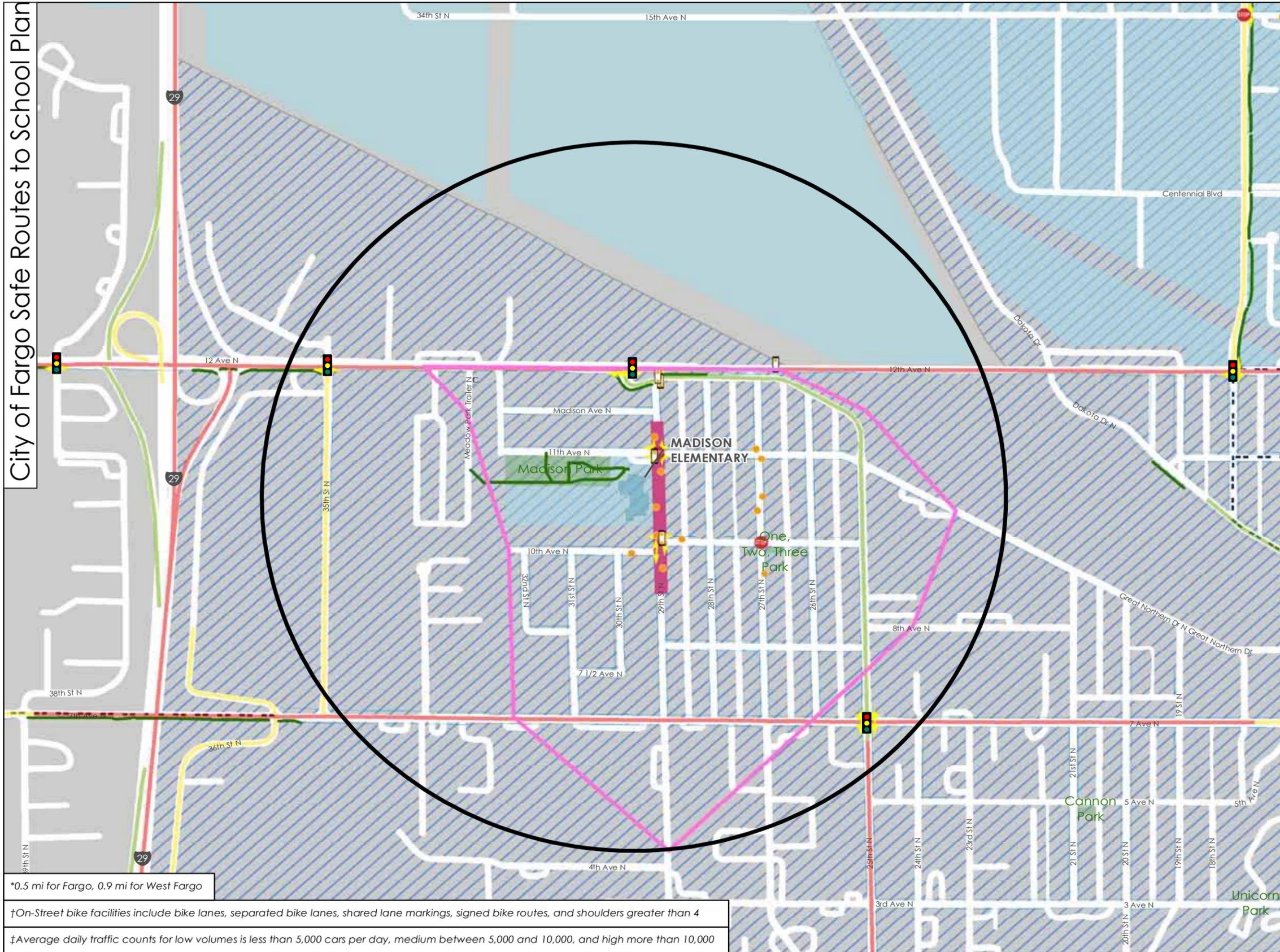
On the north side of school, there is no curb separating the sidewalk along the building from the parking lot and drive aisle. This allows drivers to encroach on the pedestrian space and creates visibility and safety issues for students walking and biking, especially during winter months.



▲ 29th Street N is a wide local roadway that would benefit from crossing improvements like curb extensions.



▲ Many conflicts were identified between caregiver circulation, school buses, and pedestrians.



*0.5 mi for Fargo, 0.9 mi for West Fargo

†On-Street bike facilities include bike lanes, separated bike lanes, shared lane markings, signed bike routes, and shoulders greater than 4

‡Average daily traffic counts for low volumes is less than 5,000 cars per day, medium between 5,000 and 10,000, and high more than 10,000

Existing Conditions Madison Elementary

- School Study Areas*
 - Walk Zones
 - Building Footprints
 - School Grounds
 - Park
 - Environmental Justice Areas
 - School Speed Zone
 - Shared Use Path
 - On-Street Bike Facility†
 - Sidewalk
 - Crosswalk
 - Pedestrian Crossing Sign
 - 4-Way Stop Sign
 - HAWK Signal
 - Other Flashing Sign
 - Signalized Intersection
- Traffic Volumes‡**
- Low
 - Medium
 - High



Circulation Challenges

The Madison Elementary campus includes a parking lot that is used by parents, caregivers, and buses. There is no clear delineation between where each type of user can or should be, which creates conflicts. The pedestrian route along the west and south side of the parking lot is not separated by a vertical curb, further creating conflict points for pedestrians and drivers.

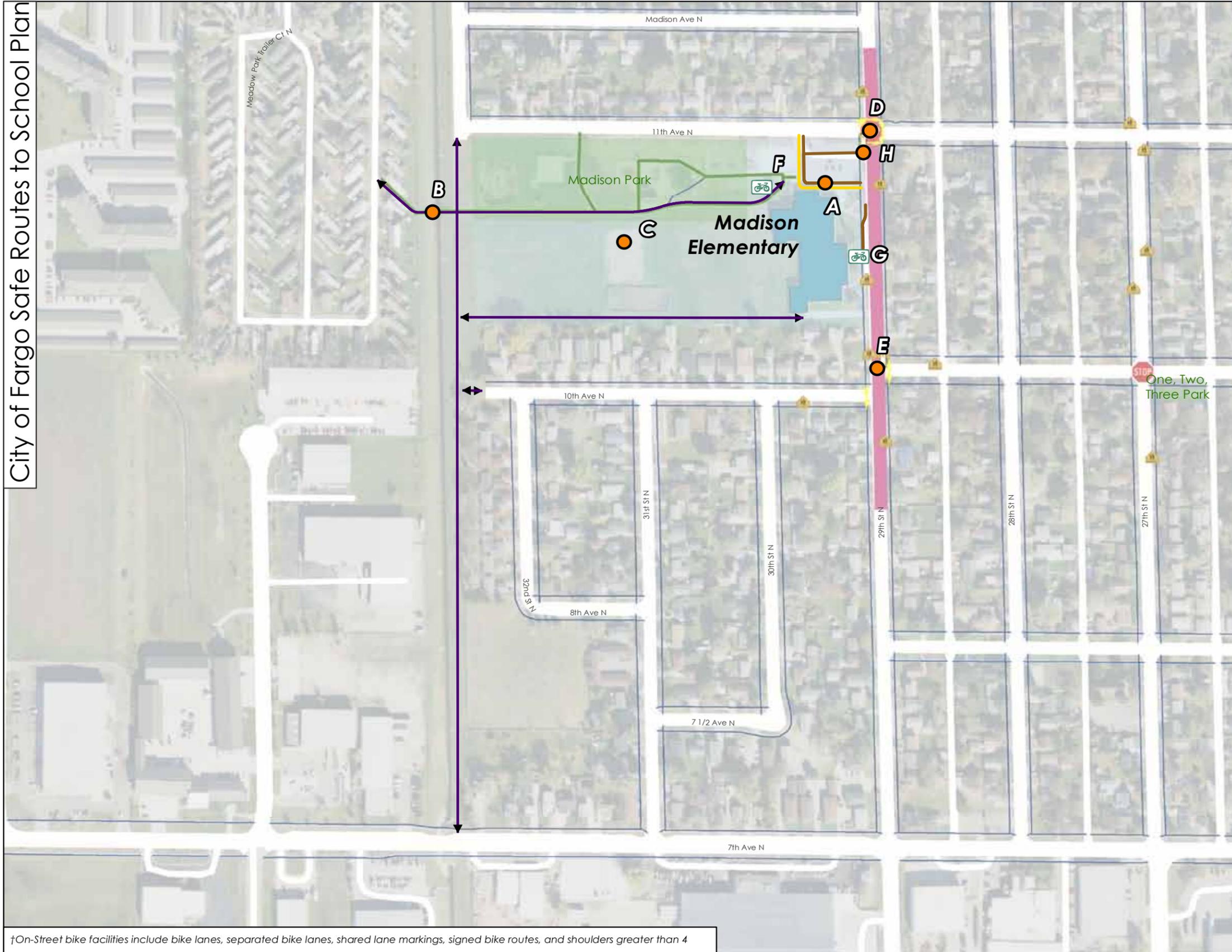
There are opportunities for curb extensions at the intersection of 29th Street N/11th Avenue N and 29th Street N/10th Avenue N intersections to reduce crossing distances and encourage slower driving speeds.

West of the school, Madison Park includes a bicycle playground. This may be an opportunity to create a traffic garden to teach students how to safely ride their bikes. Additional lighting along the path through Madison Park could improve pedestrian safety and comfort for path users, especially during fall, winter, and spring when daylight hours are limited.

Reliable winter maintenance where the pedestrian bridge connects to the mobile home park was reported as a challenge by caregivers and school staff. The direct connection from the mobile home park to campus is sometimes inaccessible in winter months due to snow and ice.

MADISON ELEMENTARY CHALLENGES

LOCATION	CHALLENGE
A Parking Lot	Conflicts between school buses and parent circulation No vertical separation between pedestrians and motorists
B Pedestrian bridge over drain	Existing bridge is narrow and future is uncertain Access to the bridge from the mobile home park can be a challenge in winter due to poor snow removal
C Park west of school	No lighting along existing path Existing open space currently under utilized
D 11th Ave N / 29th St N	Long crossing distance
E 10th Ave N / 29th St N	Long crossing distances
F Back of school	Comb style rack does not allow locking of frame and can lead to wheel damage
G Front of school	Comb style rack does not allow locking of frame and can lead to wheel damage
H 29th St N driveways	Multiple driveways / potential conflict points



†On-Street bike facilities include bike lanes, separated bike lanes, shared lane markings, signed bike routes, and shoulders greater than 4

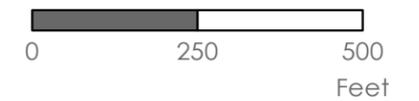
Observed Circulation & Challenges Madison Elementary

Key*

- Bus Circulation
- Challenge
- Shared Bus and Vehicle Lane
- Vehicle Drop-off and Pick-up
- ↔ Observed Walking and Biking Routes
- 🚲 Bike Rack
- Challenge

Existing Infrastructure*

- + Building Footprints
- + School Grounds
- █ School Speed Zones
- On-Street Bike Facility†
- Sidewalk
- Shared Use Path
- ⚡ Crosswalk Marking
- 🚦 Signalized Intersection
- 🚦 HAWK Signal
- 🚦 Other Flashing Sign
- 🚶 Pedestrian Crossing Sign
- STOP 4-Way Stop Sign



METROCOG

*Legend Common to All Maps -
Not all Features Present on All Maps

Opportunities for Improvement

The pedestrian bridge to the mobile home park east of Madison Elementary is a great asset for walking and biking. That connection should be preserved and upgraded to make walking and biking to Madison from the west more comfortable and inviting. Widening the bridge may also help address snow clearance challenges by making it possible for winter maintenance vehicles to traverse the bridge. A coordinated effort and discussion between the City of Fargo, Fargo Park District, and Fargo Public Schools should occur to ensure safe student bicycling and walking conditions to and from school, west of the drain during all seasons.

The other high impact opportunity at Madison Elementary is to better delineate space for pedestrians, private vehicle traffic, and bus traffic in the school parking lot. Improvements may include installing a raised sidewalk for pedestrians and modifying school transportation procedures to separate parent traffic from bus traffic. Buses, for example, may be redirected to the pull-out on 29th Street N.

MADISON ELEMENTARY OPPORTUNITIES FOR IMPROVEMENT			
LOCATION	POTENTIAL SOLUTION	LEAD AGENCY	IMPACT
A Parking lot	Install raised sidewalk; designate separate areas for bus and family circulation	Fargo Public Schools	High
B Pedestrian bridge over drain	Upgrade existing bridge with wider pedestrian bridge; explore winter maintenance agreement to ensure access from mobile home park	City of Fargo; Fargo Park District	High
C Park west of school	Install pedestrian lighting along existing path; consider constructing bicycle traffic garden for skills training	City of Fargo; Fargo Public Schools; Fargo Park District	Medium
D 11th Ave N / 29th St N	Install curb extensions on all corners	City of Fargo	Medium
E 10th Ave N / 29th St N	Install curb extensions (prioritize east and north crossings)	City of Fargo	Medium
F Back of school	Install bike parking to provide two points of contact with bicycle frame (e.g., Inverted U or Post and Ring style rack)	Fargo Public Schools	Low
G East side of school	Install bike parking to provide two points of contact with bicycle frame (e.g., Inverted U or Post and Ring style rack)	Fargo Public Schools	Low
H 29th St N driveways	Consolidate driveways and/or reduce driveway widths	City of Fargo; Fargo Public Schools	Medium

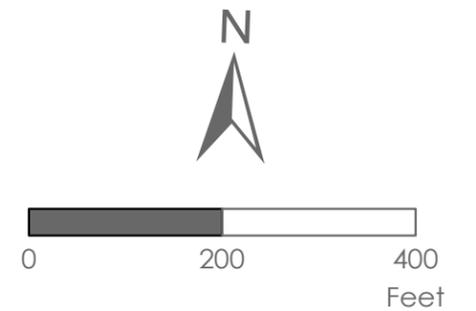
City of Fargo Safe Routes to School Plan



Infrastructure Opportunities

Madison Elementary

-  Opportunities for Improvement Locations
-  High Impact
-  Medium Impact
-  Low Impact
-  Opportunities for Improvement Segments
-  High Impact
-  Medium Impact
-  Low Impact
-  Shared Use Path
-  Sidewalk
-  Building footprint
-  School grounds



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