



Lincoln Elementary

2120 9th Street S, Fargo, ND 58103

DISTRICT

Fargo Public School District #1

GRADES

K-5

AVERAGE ENROLLMENT

404

ARRIVAL

8:20 a.m.

DISMISSAL

2:42 p.m.

Existing Conditions

Lincoln Elementary is a Kindergarten through 5th grade school. It is located approximately two miles south of Downtown Fargo in the city's Lincoln Neighborhood with many high-density homes located nearby. Within the Lincoln boundaries, per capita and median household income is slightly lower than the district average. Over half of Lincoln's students are eligible for free and reduced lunch programs. Eleven percent of students participate in English Language Learners programs.

The Lincoln school facility was constructed in 1962. The campus is bound by 9th Street S to the west, 21st Avenue S to the north, Lincoln Park to the east, and 24th Avenue S to the south. University Drive S to the west of the school is a high speed, high traffic volume, major arterial roadway that creates a barrier to walking and biking. East of University Drive S, the roads are low speed with low traffic volumes, with limited connectivity due to the looping nature of the roadway network.

The only sidewalk gaps located east of University Drive S are along the north side of 21st Avenue S west of 11th Street S. School speed zones are present on 21st Avenue S from 10th Street S to the eastern edge of the Lincoln campus, as well as along 24th Avenue S from 10th Street S to approximately 300 feet east of 9th Street S. Directly in front of Lincoln Elementary, 9th Street S is not designated as a school speed zone, although it may be implied due to the location of the other school speed zones.

On campus, there are two bike racks located on the west side of the school. One bike rack is located by the entrance to the school and the other is located near

the south parking lot. Both are comb style racks that do not allow for locking of the frame and can result in wheel damage.

A recycling facility is also located on campus at the southeast corner of the north parking lot and bus circulation area. Residents were observed accessing the recycling facilities during school hours.

Circulation Challenges

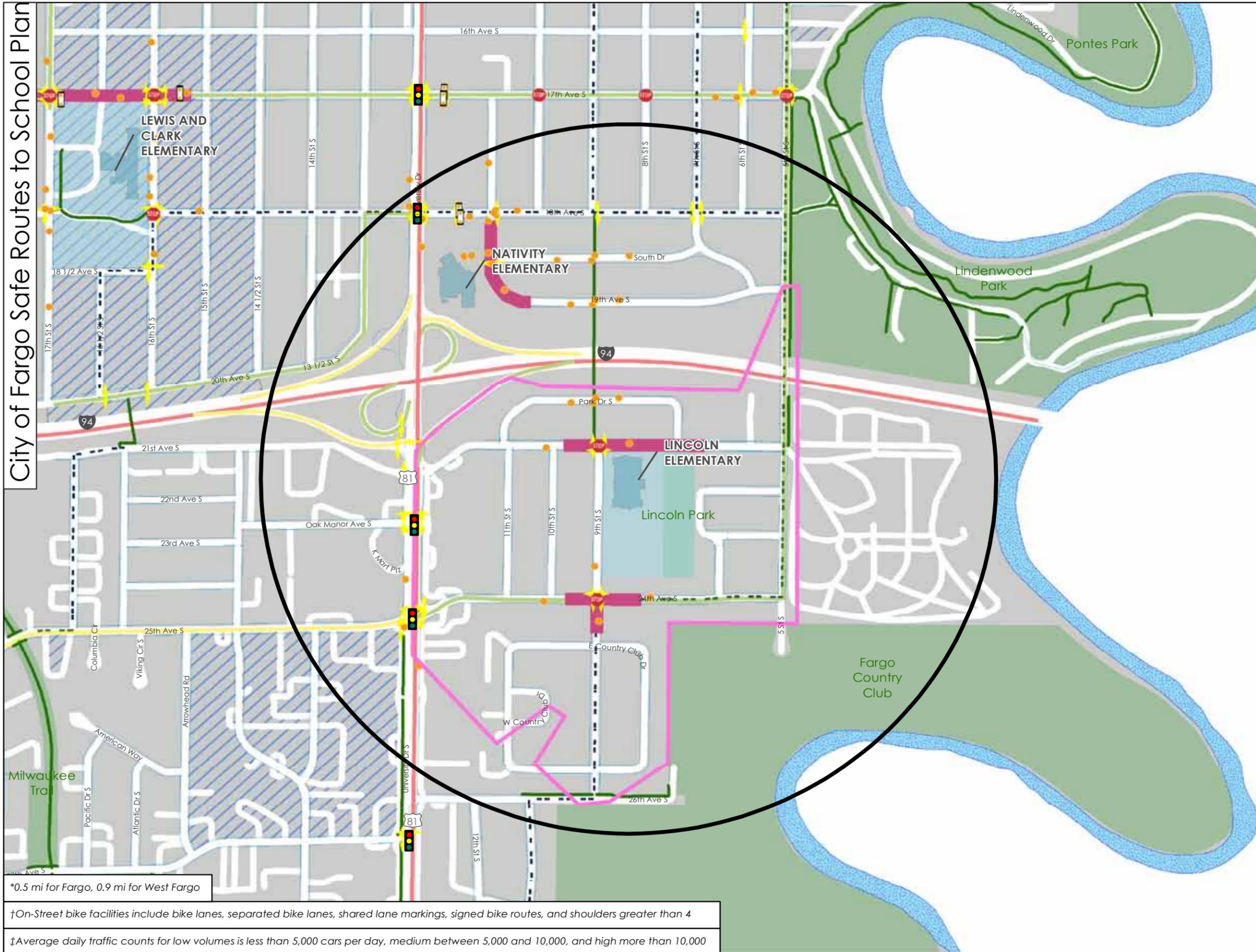
The University Drive S corridor is the primary barrier for students walking and biking to Lincoln Elementary. At the intersection with 21st Avenue, there are no crossing facilities, despite being the primary connection from the school to housing west of University Drive S. For students to cross to the west side of University Drive S at this intersection, they must walk north to the light, wait for the light, cross 6 lanes, and wait for second light to cross south. Then there are no sidewalk facilities along 21st Avenue S, so students need to continue south to Oak Manor Avenue S to access the neighborhoods to the west of University Drive S. The Oak Manor Avenue S intersection does include a marked, but faded, crosswalk. This is a primary connection from the school to housing west of University Drive S, but the intersection is very uncomfortable for students to cross. University Drive S is considered a barrier for students walking and biking to school by the Fargo Public School District, so students who live west of University Drive S receive busing. At the 25th Avenue S intersection, the crosswalk is marked, but the long crossing and observed high-speed traffic makes crossing uncomfortable, including multiple free flow right turn lanes.



▲ The sidewalk along 9th Street S is narrow for students walking.



▲ The 24th Avenue S and 9th Street S intersection is heavily used with people walking in all directions. Improvements to crossing facilities may be warranted.



Existing Conditions Lincoln 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



*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



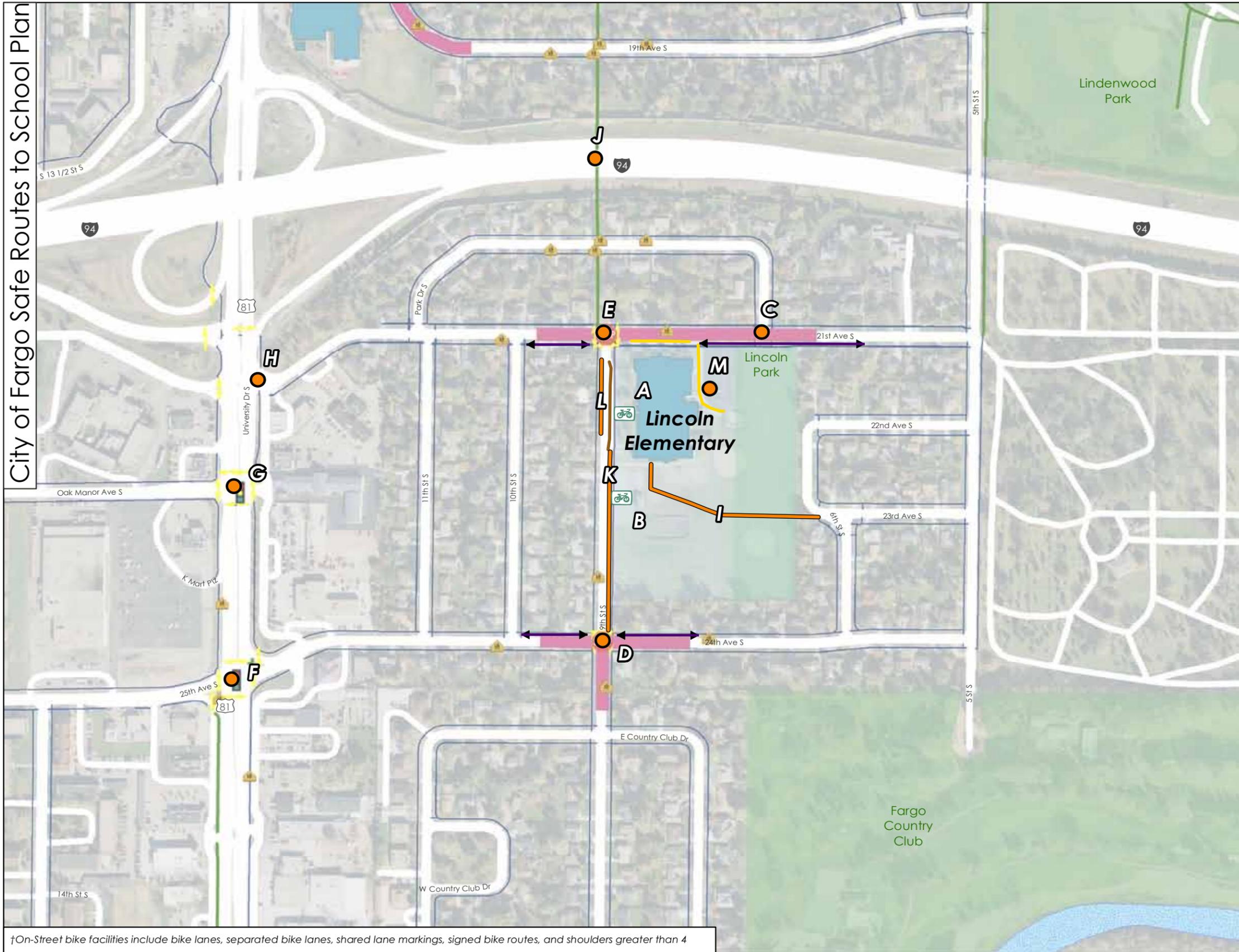
Multiple opportunities for improvements were identified along 21st Avenue S as well. 21st Avenue S is a wide roadway, making crossings long and uncomfortable for pedestrians and bicyclists. At both Park Drive S intersections, there are no marked crosswalks and drivers are not anticipating students crossing. The 9th Street S intersection is heavily used by people walking. During field reviews drivers were observed rolling through the stop signs at this intersection, which is illegal and creates safety concerns for students crossing at these intersections.

The 9th Street S corridor is the primary north-south circulation route for students walking and biking to school. It is also the designated drop-off / pick-up location, with school administrators requesting vehicles to circulate in from the south from 24th Avenue S / 9th Street S drop-off / pick-up along the east side of 9th Street S, and exit 9th Street S at 21st Avenue S. This encourages students to enter/exit vehicles along the curb and not cross traffic. To further encourage this movement, this segment of roadway could be converted into a one-way.

The intersection with 24th Avenue S and 9th Street S has long crossings and is missing a crosswalk on the south leg of the intersection. There are sidewalks along both sides of 9th Street S, but they are only 5-feet wide, which causes people to walk or bike in the grass adjacent to the sidewalk. Widening the sidewalk along the east side of 9th Street S would create a more comfortable circulation route.

LINCOLN ELEMENTARY CHALLENGES

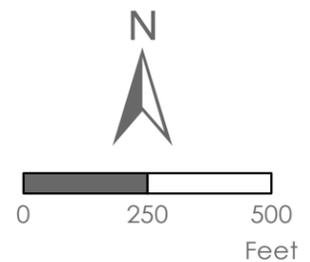
| LOCATION | CHALLENGE |
|--|---|
| A West Side of School | Comb style rack does not allow locking of frame and can lead to wheel damage |
| B Near south parking lot | Comb style rack does not allow locking of frame and can lead to wheel damage |
| C 21st Ave S / Park Dr S | Drivers not expecting to see students crossing No marked crosswalk |
| D 24th Ave S / 9th St S | Long crossing distances Heavily used crossing with people walking in all directions No marked crosswalk on south leg |
| E 21st Ave S / 9th St S | Long crossing distances Heavily used crossing with people walking in all directions Observed rolling stops by people driving through here |
| F 25th Ave S / University Dr S | Marked as school crossing but uncomfortable; long crossing distance No leading pedestrian interval |
| G Oak Manor Ave S / University Dr S | Long crossing distances Faded crosswalk markings Primary connection from school to housing west of Univ. Dr. No leading pedestrian interval |
| H 21st Ave S / University Dr S | No crossing across University Primary connection from school to housing west of Univ. Dr. |
| I East side of school | No connection to the school from the east at 6th St |
| J Tunnel under I-94 | Tunnel is dark with standing water/moisture on ground |
| K 9th St S | Sidewalk is narrow for the volume of students walking this direction (grass worn along edges of sidewalk) |
| L 9th St S south of 21st Ave S | Parents dropping off and picking up on westside of 9th St Drivers not expecting to see students crossing |
| M North parking lot | Public recycling facility |



Observed Circulation & Challenges Lincoln 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
 - 4-Way Stop Sign



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

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

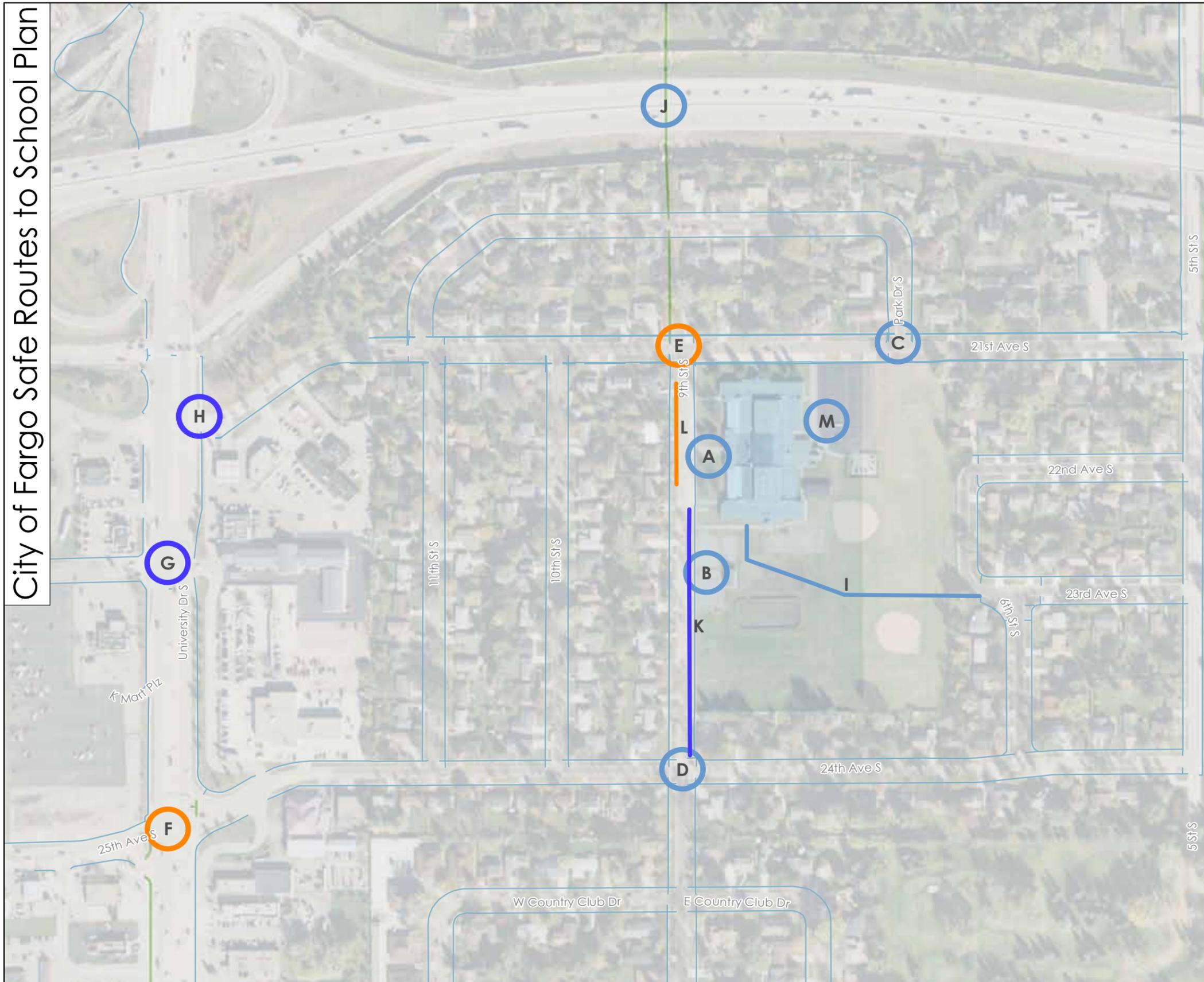
Opportunities for Improvement

Since most students live on the west side of University Drive S, many opportunities for improvement address ways to improve safety and comfort crossing this corridor. Because there is no longer a crossing at 21st Avenue S, students must cross at Oak Manor Avenue S or 25th Avenue South. Opportunities for improvement for these two intersections include installing leading pedestrian intervals, upgrades to high-visibility crosswalks, and opportunities to reduce the crossing distance.

On the east side of University Drive S, there are opportunities closer to campus to improve conditions for walking and biking. Widening the sidewalk (or building a sidepath) along the east side of 9th Street S would create an inviting and comfortable route from the intersection of 9th Street S and 24th Avenue S. There are opportunities to improve the intersections of 9th Street S/24th Avenue S and 9th Street S/21st Avenue S by exploring ways to reduce the crossing distance with curb extensions. Note that curb extensions could be created and evaluated using inexpensive materials such as flex posts and paint. See the demonstration project section of this document for more information. Crosswalks on primary walking routes to school should use high-visibility materials.

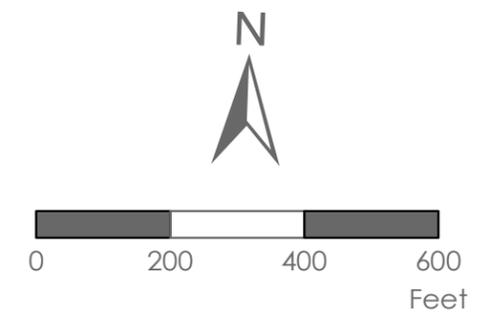
While the area north of I-94 is not currently within the school enrollment boundary, there is an existing tunnel under the freeway that provides direct access to residential areas to the north. If this becomes part of the enrollment area, efforts can be made to improve the comfort of people walking and biking through the tunnel by increasing lighting, reducing drainage/ice concerns, and providing placemaking opportunities.

| LINCOLN ELEMENTARY OPPORTUNITIES FOR IMPROVEMENT | | | | |
|--|--|---|--------|--|
| LOCATION | POTENTIAL SOLUTION | LEAD AGENCY | IMPACT | |
| A West 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 | |
| B Near south parking lot | 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 | |
| C 21st Ave S / Park Dr S | Install high visibility crosswalks | City of Fargo | Low | |
| D 24th Ave S / 9th St S | Install high visibility crosswalk on south leg; explore opportunities to shorten intersection crossings with curb extensions | City of Fargo | Low | |
| E 21st Ave S / 9th St S | Install stop bars; explore opportunities to shorten intersection crossings with curb extensions | City of Fargo | Medium | |
| F 25th Ave S / University Dr S | Install leading pedestrian interval; upgrade east and west crosswalks to high visibility crosswalks | NDDOT; City of Fargo | Medium | |
| G Oak Manor S / University Dr S | Install leading pedestrian interval; upgrade north, south, and east crosswalks to high visibility crosswalks; explore opportunities to reduce crossing distances by extending curbs | NDDOT; City of Fargo | High | |
| H 21st Ave S / University Dr S | Provide wayfinding to encourage students to cross University Dr S at Oak Manor Ave S or at 25th Ave S / 24th Ave S; coordinate with Location G | NDDOT; City of Fargo | High | |
| I East side of school | Explore opportunity to install maintained path from school building to 6th Ave S | Fargo Public Schools; Fargo Park District | Low | |
| J Tunnel under I-94 | Explore opportunities to increase tunnel lighting and improve drainage and winter maintenance; introduce opportunities for student placemaking | NDDOT; City of Fargo | Low | |
| K 9th St S | Replace sidewalk with shared-use path on east side of street | City of Fargo | High | |
| L 9th St S south of 21st Ave S | Install no student drop-off/pick-up signs on west side of street; coordinate with school to reinforce messaging to parents to not pick up or drop off on west side of street; consider converting 9th St S to a northbound one-way from 21st Ave S to 24th Ave S | City of Fargo | Medium | |
| M North parking lot | Provide additional signage to drivers accessing recycling drop-off area that this is a school area; provide marked crosswalks at driveways | Fargo Public Schools | Low | |



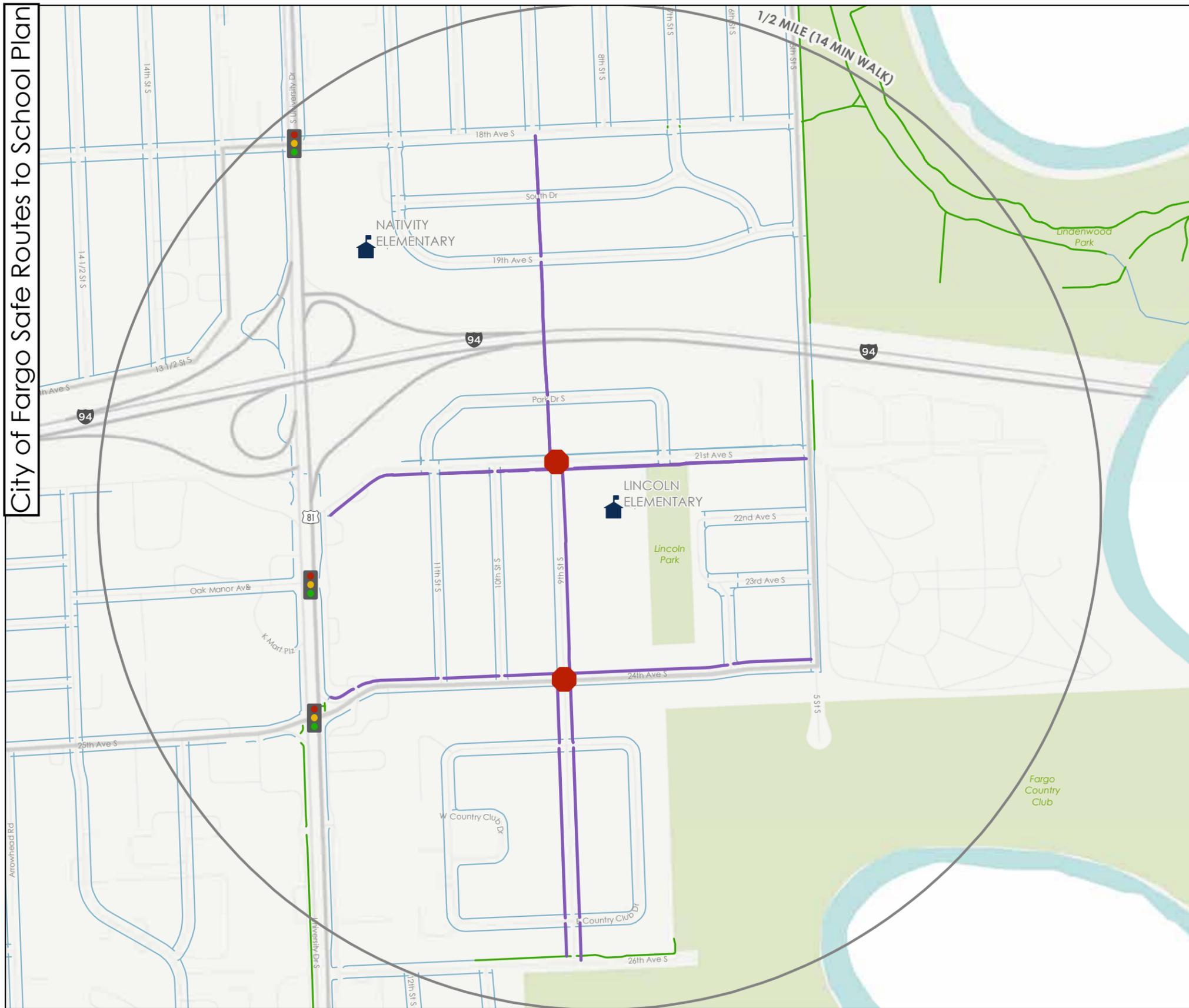
Infrastructure Opportunities Lincoln Elementary

- 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



METROCOG

City of Fargo Safe Routes to School Plan



Suggested Routes to School
Lincoln Elementary

- Suggested routes
- Sidewalks
- Shared Use Path
- All-way stops
- Traffic signal
- Pedestrian crossing signal

