

CITY OF MINNEAPOLIS

Near North Safe Routes to School

16th Ave N,
Queen Ave N – Aldrich Ave N

Project Team

Forrest Hardy, Transportation Planner

Nathan Kemmer, Project Engineer

Trey Joiner, Associate Transportation Planner

Toole Design Group, Support Staff

Question and Answers

Directions

Type questions in the chat or raise hand to verbally ask question when called upon.



Show conversation to submit a text question or comment



Raise hand to join verbal question que

Tonight's Agenda

Background & Goals
Survey Results
Treatment Toolkit
Concepts
Question & Answer Session

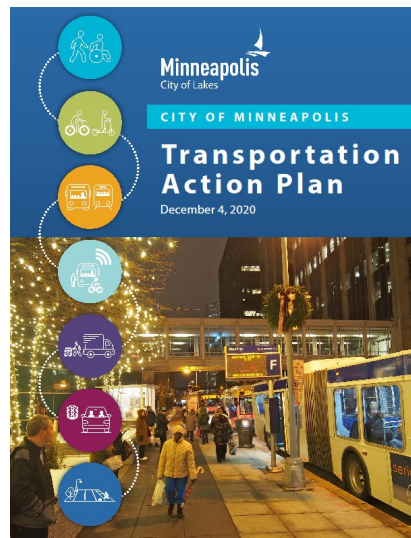
Project Overview

In 2018 Minneapolis Public Works received funding to improve walking and biking conditions along 16th Ave N.

Public Works staff are currently bringing the project through preliminary design and public engagement, to identify the types of treatments that are best suited to the corridor.

This project is scheduled for 2022 construction.

GUIDING POLICY



Opportunity to improve traffic safety and mobility for all modes along the corridor while bringing 16th Ave N in line with City goals and policies



Minneapolis declares climate emergency

© December 13, 2019 / City of Minneapolis

City demands massive mobilization to address climate change

Minneapolis has declared a [climate emergency](#) that demands a massive-scale mobilization to halt, reverse and address the consequences and causes of climate change. This declaration recognizes that climate change is already affecting people's lives, health, livelihoods, and access to food and shelter with record heat, extreme storms and wildfires, droughts and floods, and other destructive effects in Minnesota and worldwide.

PROJECT GOALS:

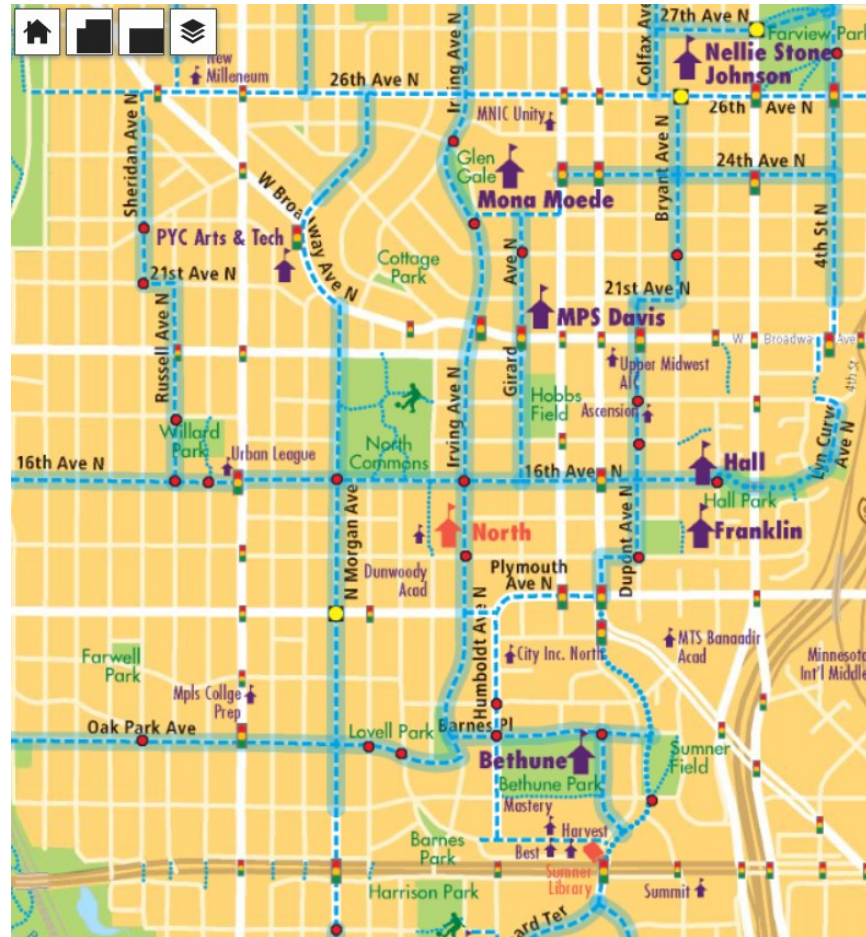
- ✓ Improve safety for the most vulnerable users of the street
- ✓ Connect three schools and three parks
- ✓ Address safety on a documented crash concentration corridor
- ✓ Fulfill City goals for Complete Streets, Vision Zero, All ages all abilities bikeways, and transportation equity measures

Why 16th Ave N?

- Safe Routes, youth-oriented destinations
- Crash concentration corridor
- Designated all-ages and abilities bikeway

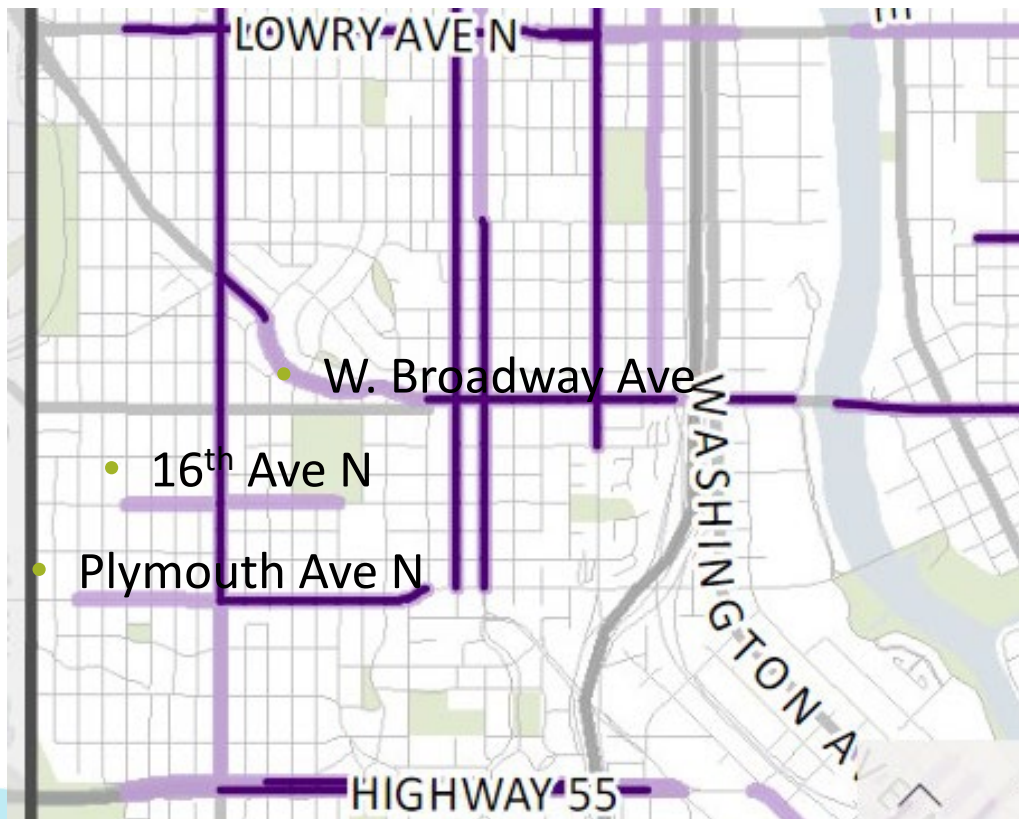
Safe Routes to School Map

- Corridor connects three schools and three parks
- Letter of support from MPS for funding application in 2018



Pedestrian Crash Corridors*

- 16th Ave N was identified as a Pedestrian Crash Concentration Corridor in the City's 2017 Pedestrian Crash Study






— High Injury Network
— Pedestrian Crash
Concentration Corridors

*10% of streets
accounting for
80% of pedestrian
crashes

Crash Data (all modes)

Reported Crashes

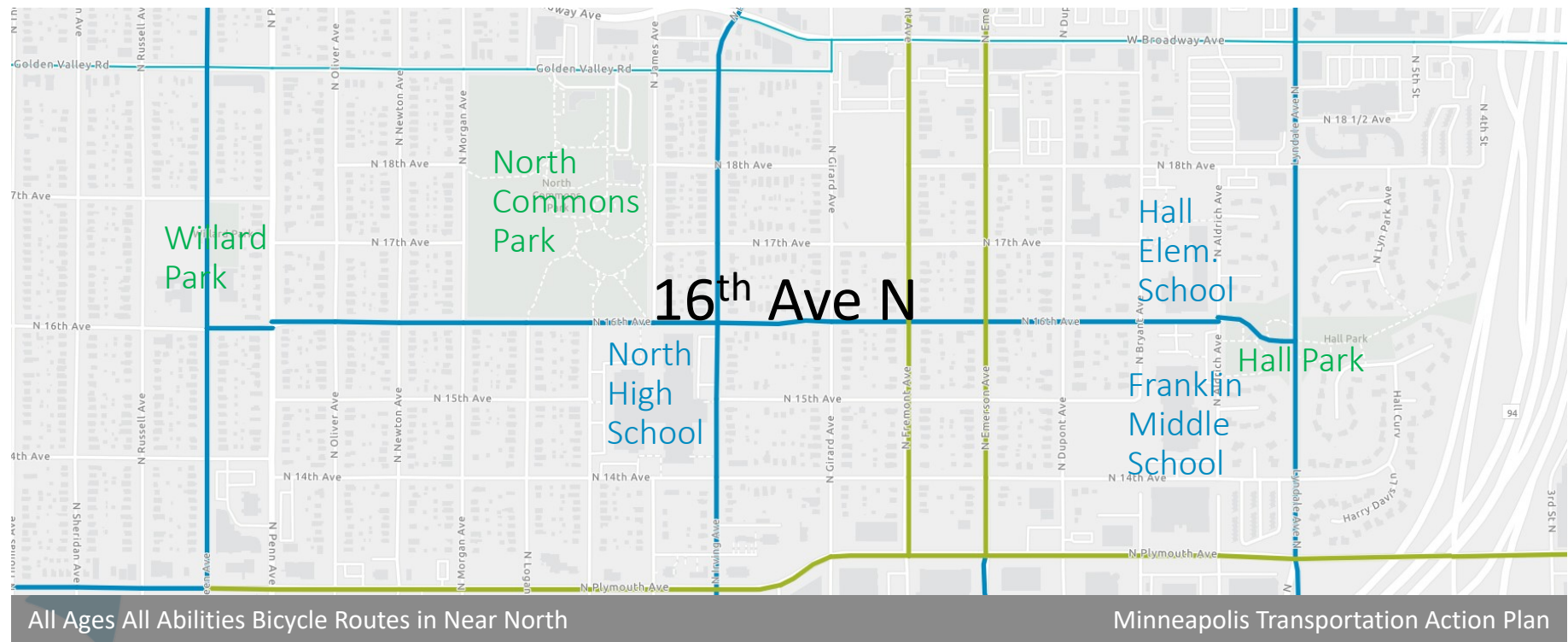
*Reported crashes by travel mode on 16th Ave N
from Queen Ave N to Aldrich Ave N (2011-2015).*

	Reported crashes	% Crashes with injuries
 Pedestrian	4	100%
 Bicycle	1	100%
 Motor Vehicle	47	38%
Total Crashes	52	44%

Source: [Minneapolis Traffic Crash Location System](#)

All ages and abilities bikeways

- The city's all ages and abilities network identifies 16th Ave N as a AAA bicycle route.



Existing Condition



Existing Condition



Survey Results: What we've heard

- Online Survey: January – February 2021
44 respondents, 33 comments on streets and intersections
- Student Survey at North High: November 2020
24 respondents

Online Survey

- Initial reports of high speeds on 16th Ave N and other streets in the area
- Support for traffic calming elements in the neighborhood
- Personal safety as a priority issue
- Some thought street was fine without additional improvements

Who are the respondents?

All respondents are nearby residents.

I live in Near North or Willard-Hay

44

Almost all want to walk, and more than half want to bike.

I walk or want to walk here

38

I bike/scooter or want to
bike/scooter here

27

What are respondents concerned about?

- Drivers speeding
 - Drivers disobeying stop signs
 - Visibility
 - Snow plowing
 - Pavement quality
-
- Top locations: Irving, James, Fremont

Which changes make a difference?

Speed humps

30

Mini traffic circles

27

Trees and greenery

23

Signs and pavement markings

19

Flashing lights at the Fremont Avenue crosswalk

19

Curb extensions

12

Diverter or circulation changes

10

Other

14

Student Survey

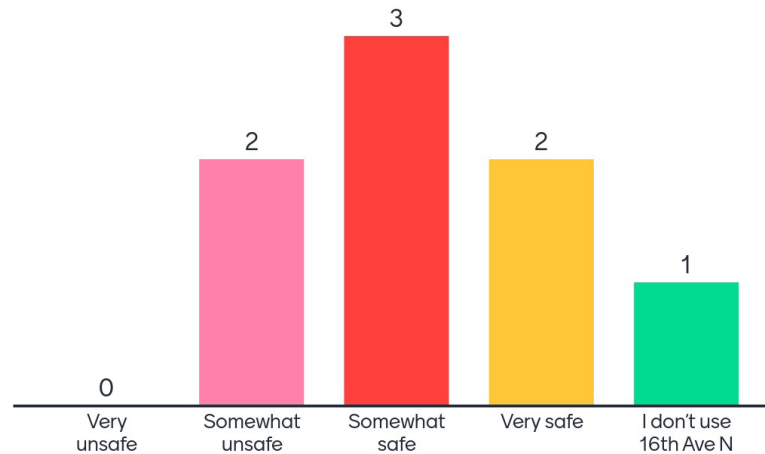
- Support from students for traffic calming improvements along 16th Ave N
- 17 students in two classes expressed that traffic safety improvements would make them somewhat or very likely to walk or bike more along 16th Ave N
- Reports that personal safety concerns deter biking or walking

Student survey

Below is an excerpt from a student survey about travel behaviors taken in fall 2020 during preliminary project planning.

How safe do you feel when walking or biking on 16th Ave N?

Mentimeter



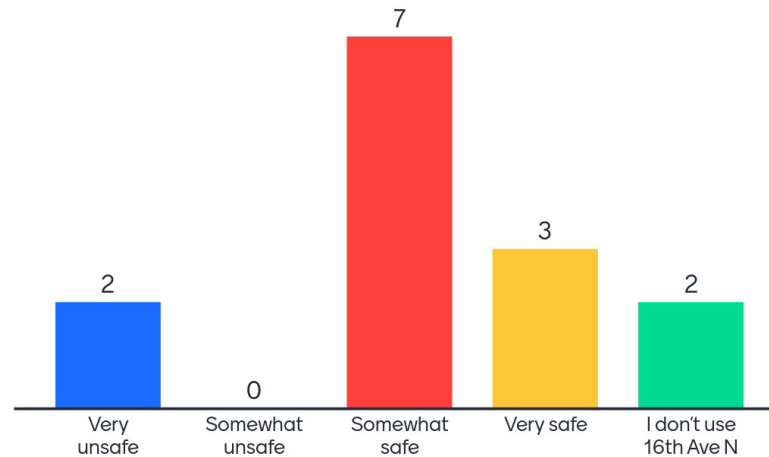
Morning class – North High School – 11/23/20

Student survey

Below is an excerpt from a student survey about travel behaviors taken in fall 2020 during preliminary project planning.

How safe do you feel when walking or biking on 16th Ave N?

Mentimeter

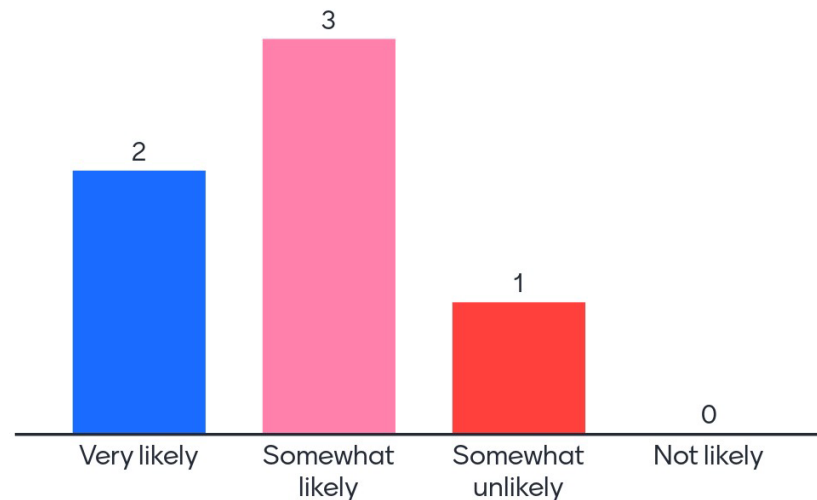


Student survey

Below is an excerpt from a student survey about travel behaviors taken in fall 2020 during preliminary project planning.

Would traffic safety improvements like speed bumps or traffic circles along 16th Ave N make you more likely to walk or bike along this street?

Mentimeter



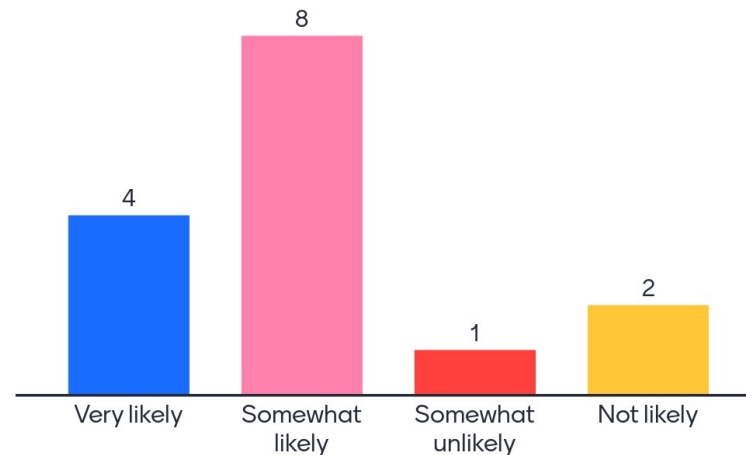
Morning class – North High School – 11/23/20

Student survey

Below is an excerpt from a student survey about travel behaviors taken in fall 2020 during preliminary project planning.

Would traffic safety improvements like speed bumps or traffic circles along 16th Ave N make you more likely to walk or bike along this street?

Mentimeter



Types of treatments

- Traffic calming safety benefits to all modes, pedestrians, bicyclists and motor vehicles
- Supports the Safe Routes and All Ages and Abilities bikeway designations; treats the pedestrian crash concentration corridor

Speed humps

Speed humps physically slow down moving vehicles



Speed hump on 12th Ave S near Andersen School

Toole Design Photo

Mini Traffic Circles

Mini traffic circles slow vehicles down at the intersection while providing a space for greening.



Mini Traffic Circle on 5th St NE Bike Boulevard

Google Streetview

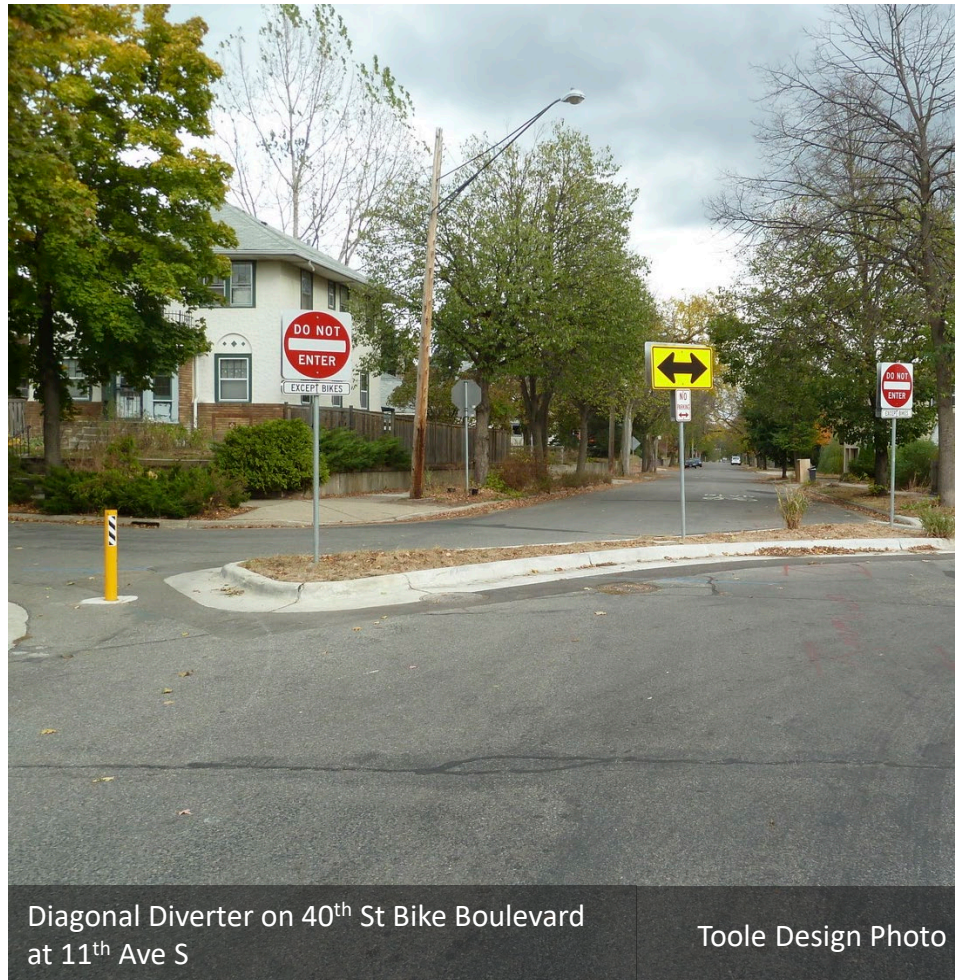
Chicanes

Reduce travel speeds and provide a place for mid-block greening & stormwater capture.



Traffic diversion

Traffic diversion, such as this diagonal diverter, detour car traffic while allowing bicyclists to pass through. This reduces the amount of car traffic moving along the bicycle boulevard and prioritizes the street for cyclists.



Bicycle and Pedestrian Enhancements

Most bicycle boulevard treatments are also effective for enhancing the pedestrian environment, such as the crossing enhancements pictured here.



Median Refuge Island on 16th Ave N at N Fremont Ave

Toole Design Photo



Median Refuge Island on 22nd Ave NE Bike Boulevard at Johnson St NE

Toole Design Photo

Bicycle boulevard

Bicycle boulevards are residential streets improved with enhancements for biking. On these streets bicyclists typically share space with automobiles and on-street parking is preserved. Additional traffic calming elements make the street more suitable for biking and walking.



Bicyclists along 17th Ave S Bike Boulevard in Minneapolis

Toole Design Photo

Preliminary Concepts

- All seek to slow vehicle speeds and make 16th Ave N more suitable to walking and biking
- Ideas to be further vetted for suitability and access, as well as public engagement feedback
- Final concept might be a hybrid of these concepts rather than strictly one of these

Existing Conditions



Concept A



Concept B



Concept C



PROJECT SCHEDULE



What is concept design? The basic elements of the street

CITY POLICY + TECHNICAL ANALYSIS + STAKEHOLDER FEEDBACK = CONCEPT DESIGN

Thank you!

- Forrest Hardy, Transportation Planner

Forrest.Hardy@MinneapolisMN.Gov

- Nathan Kemmer, Project Engineer

Nathan.Kemmer@MinneapolisMN.Gov

- Project Website

<http://www2.minneapolismn.gov/publicworks/safe/routes/WCMSP-226110>

Question and Answers

Directions

Type questions in the chat or raise hand to verbally ask question when called upon.



Show conversation to submit a text question or comment



Raise hand to join verbal question que