


2024 Jefferson Parkway West Mill and Overlay and Mill Towns Trail Improvements Project

**CITY COUNCIL MEETING
ORDERING PREPARATION OF
FEASIBILITY REPORT**

05/16/2023



Tonight's Outline

- Project Location
- Project Scope
- Walking/Biking/Pedestrian Improvements
- Crossing Improvements
- Intersection Improvements
- Project Process
- Tonight's Action Items
- Questions/Comments



Project Location



Project Scope

- 2” Pavement Mill and Overlay
 - Concrete Curb and Gutter Spot Repairs
 - Sidewalk Spot Repairs and ADA Upgrades to Existing Pedestrian Facilities
 - Storm Sewer, Sanitary Sewer, and Water Valve Adjustments
 - Walking/Biking/Pedestrian Improvements
 - Sidewalk/Trail Improvements
 - Intersection Improvements
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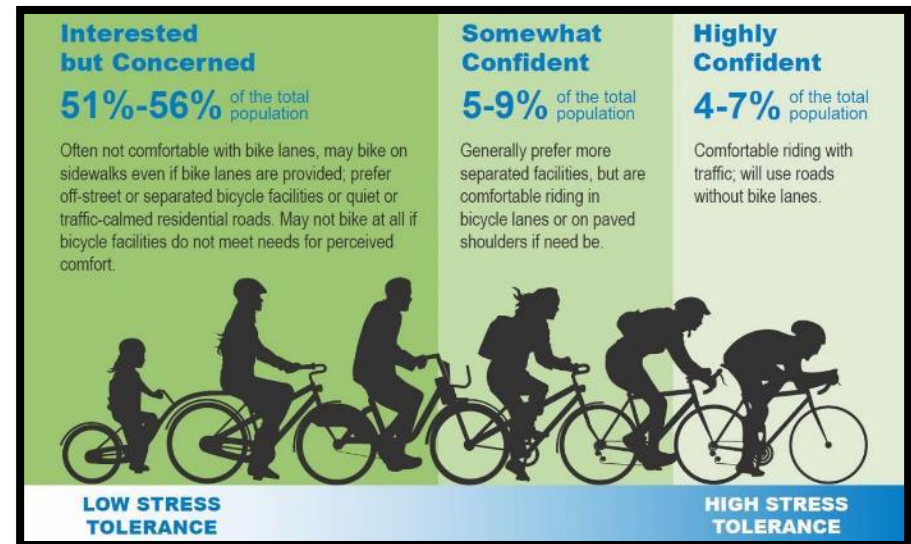
Adopted Complete Streets Policies (since 2009)

- 2009: Safe Routes to School Plan. Calls for improvements including filling sidewalk gaps, crossing signals, and the roundabout
- 2012: Complete Streets Policy. Policy to include bike, walk and roll improvements to annual street projects
- 2019: Bike, Pedestrian and Trail system plan update (Toole Design)
- 2020: Council adopted gas and electric utility franchise fees primarily to replace special assessments on street projects and to allow greater flexibility to implement goals of the Bike, Pedestrian and Trail system plan update
- 2022: Northfield adopts a plan for a safe and connected system of facilities for the entire community (Alta) including direction for implementation in 5-year CIP scoping of projects



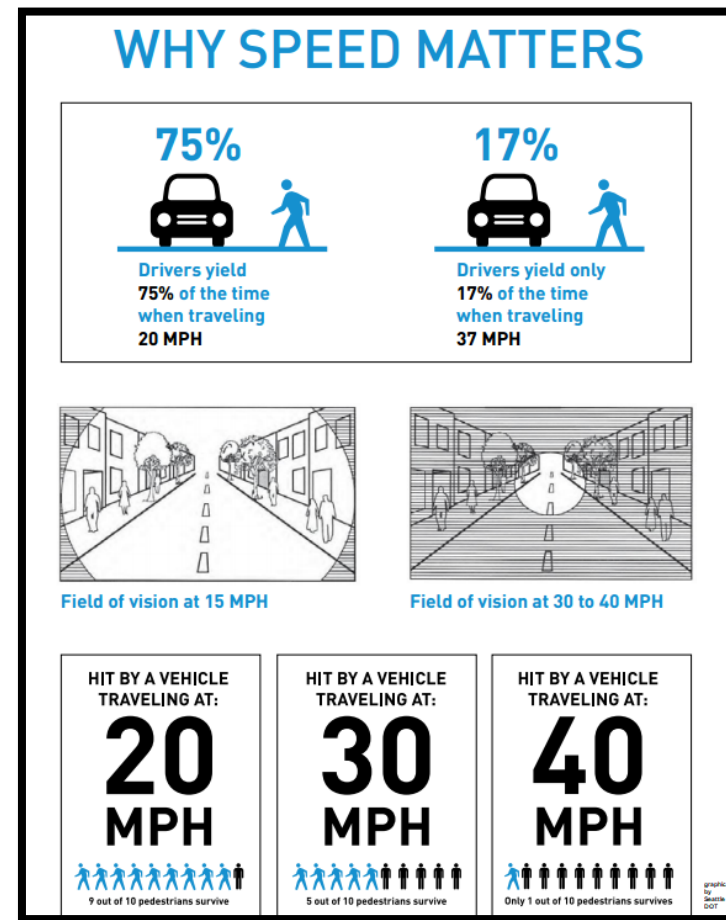
Northfield Biking & Walking Goals

- Cohesive network which allows people to choose how to travel to where they need to go
- Safe routes which separate motor vehicles from people walking, biking and rolling
- Direct connections to minimize distance and obstacles for people biking and walking
- Attractive places for people to ride, walk and roll in Northfield



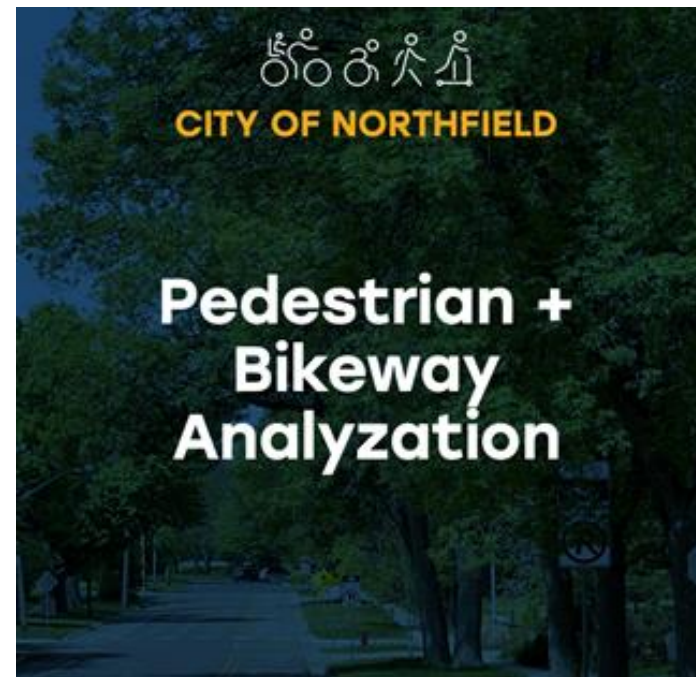
Northfield Biking & Walking Safety Facts

- Streets that separate space for cars, for people on bicycles, and people walking, are the safest streets for everyone
- Minimizing conflicts benefits everyone
- Bike lanes and other facilities slow traffic: Speed is the #1 factor in all traffic deaths, in and out of cars

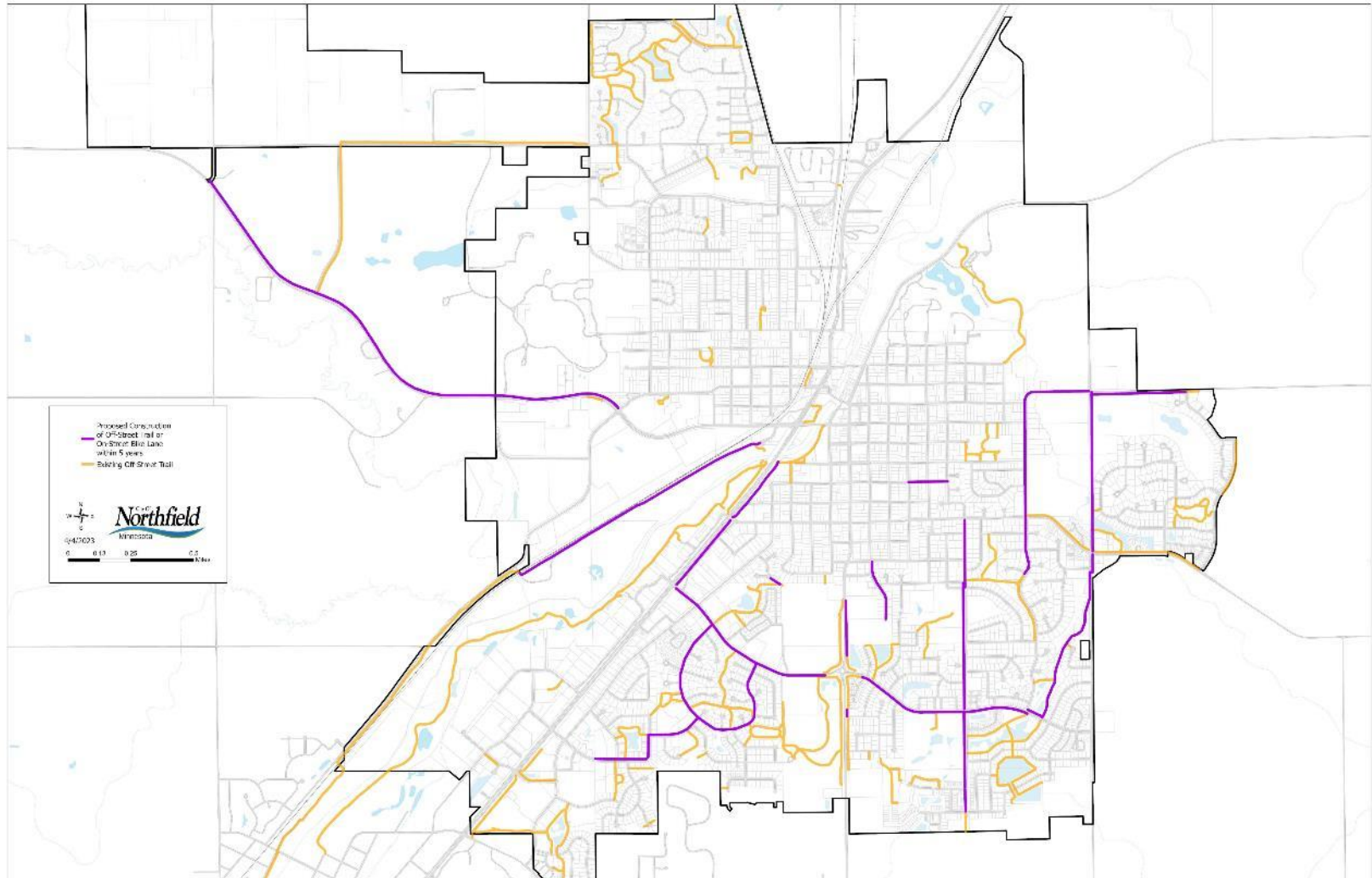


Capital Improvement Plan

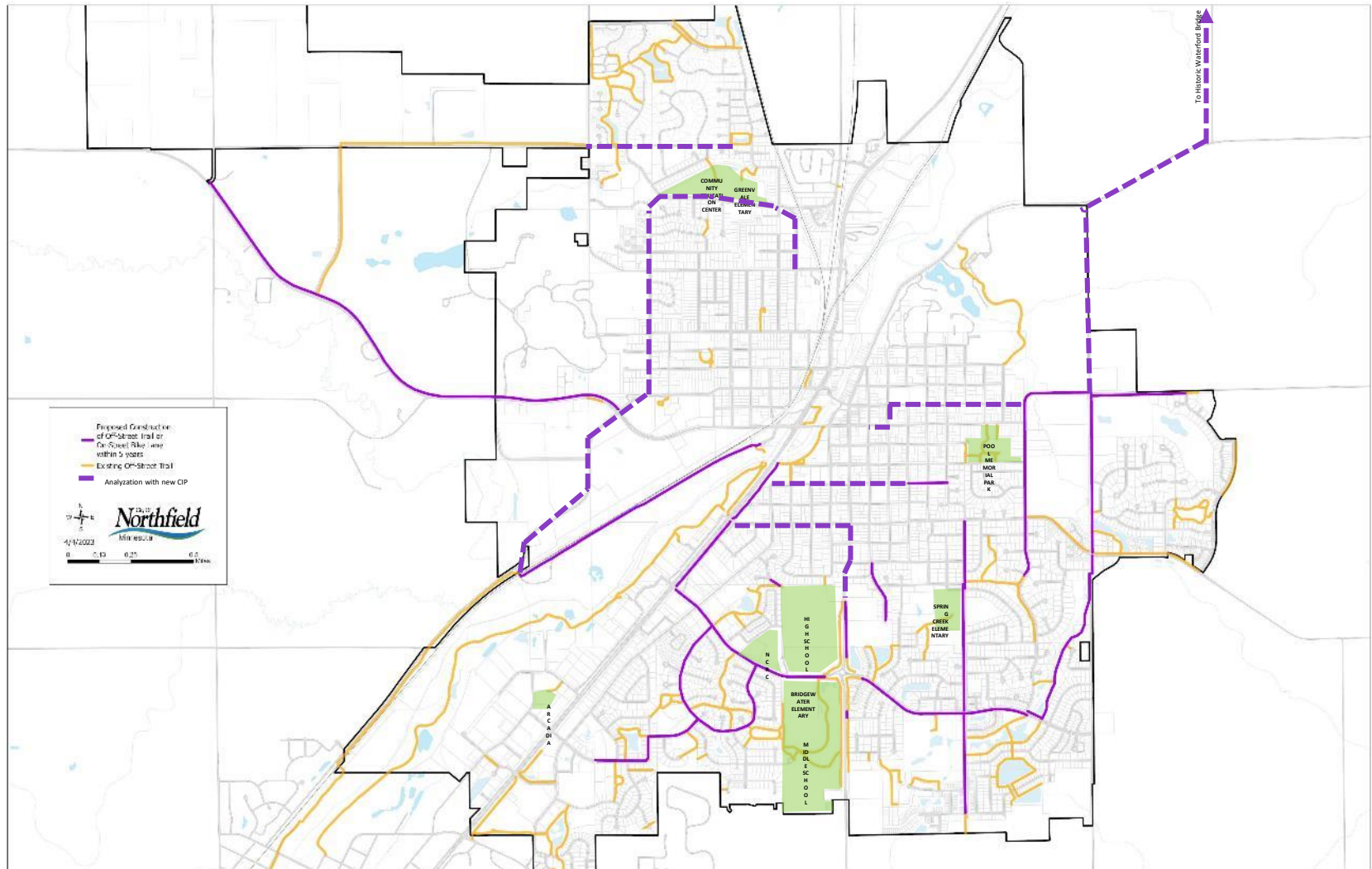
- Street Capital Improvement Projects are planned and scheduled in 5-year windows to maintain and repair street infrastructure predictably and cost effectively
- Northfield is committed to using annual scheduled street projects to improve street corridors for greater access and improved safety for all users
- Northfield has been implementing its Bike and Pedestrian system plan as an integral part of the Capital Improvement Process
- The City is continuously improving its planned walking and biking network that expand all ages and abilities
- The Oct. 2022 updated adopted plan directed staff for implementation of designs in 5-year CIP including 2023 Reclamation & Overlay Project (Res.2022-098)
- Capital Improvement Plan Adopted December 6, 2022. Directs Project Scope, Cost Estimate and Directs Staff for Further Design.



Existing Trails & 5-Year CIP Trails & Protected On-Street Bike Lanes

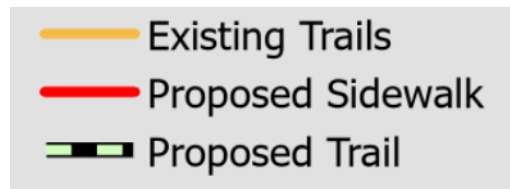


Existing Trails & Potential 5-Year CIP Trails & Protected On-Street Bike Lanes

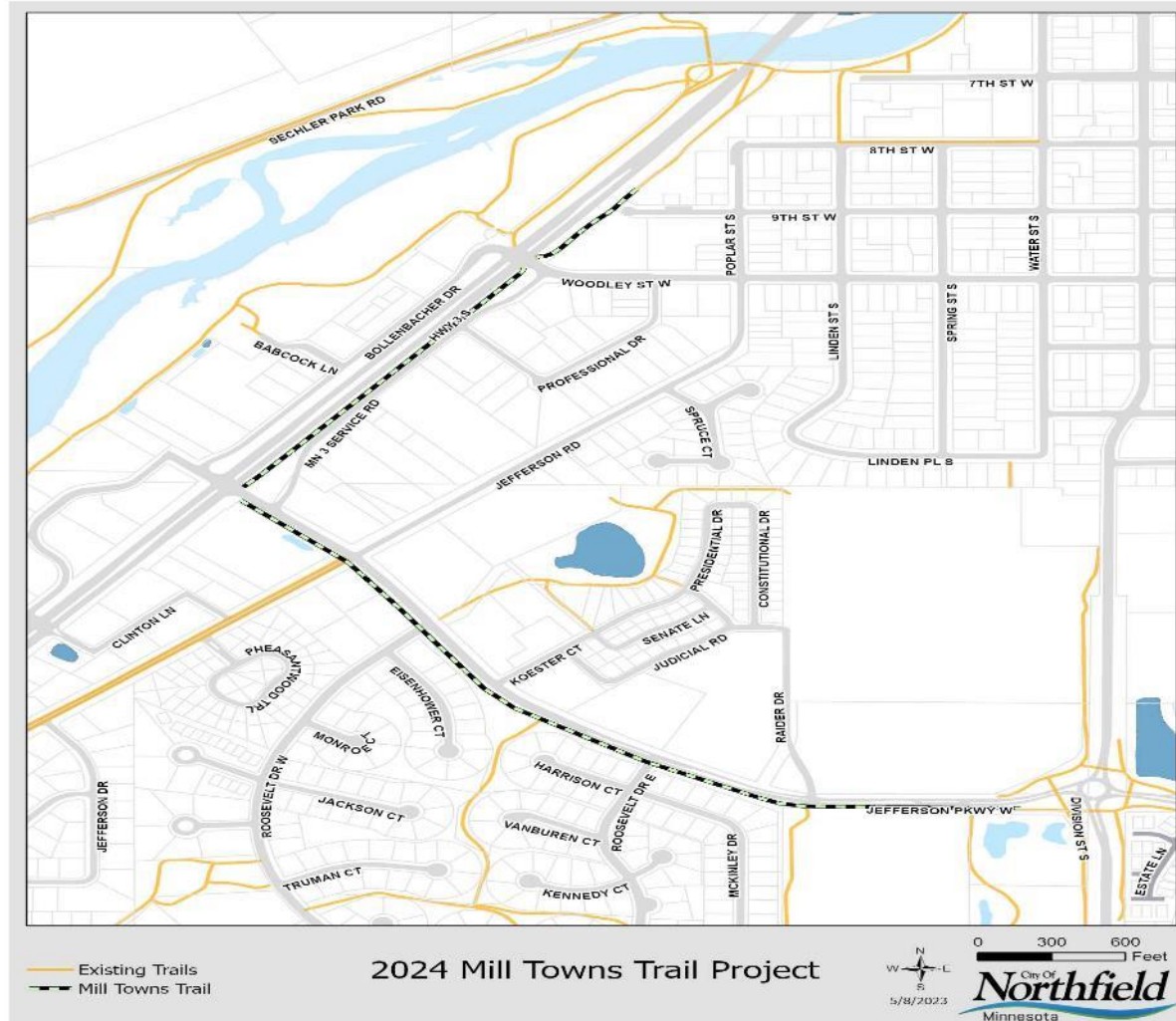


Walking/Biking/Pedestrian Improvements

- **New Sidewalks/Trails**
 - Spruce Court from Jefferson Road to Northfield High School
 - TH 3 from Riverside Park to TH 246 (Mill Towns Trail)



Walking/Biking/Pedestrian Improvements

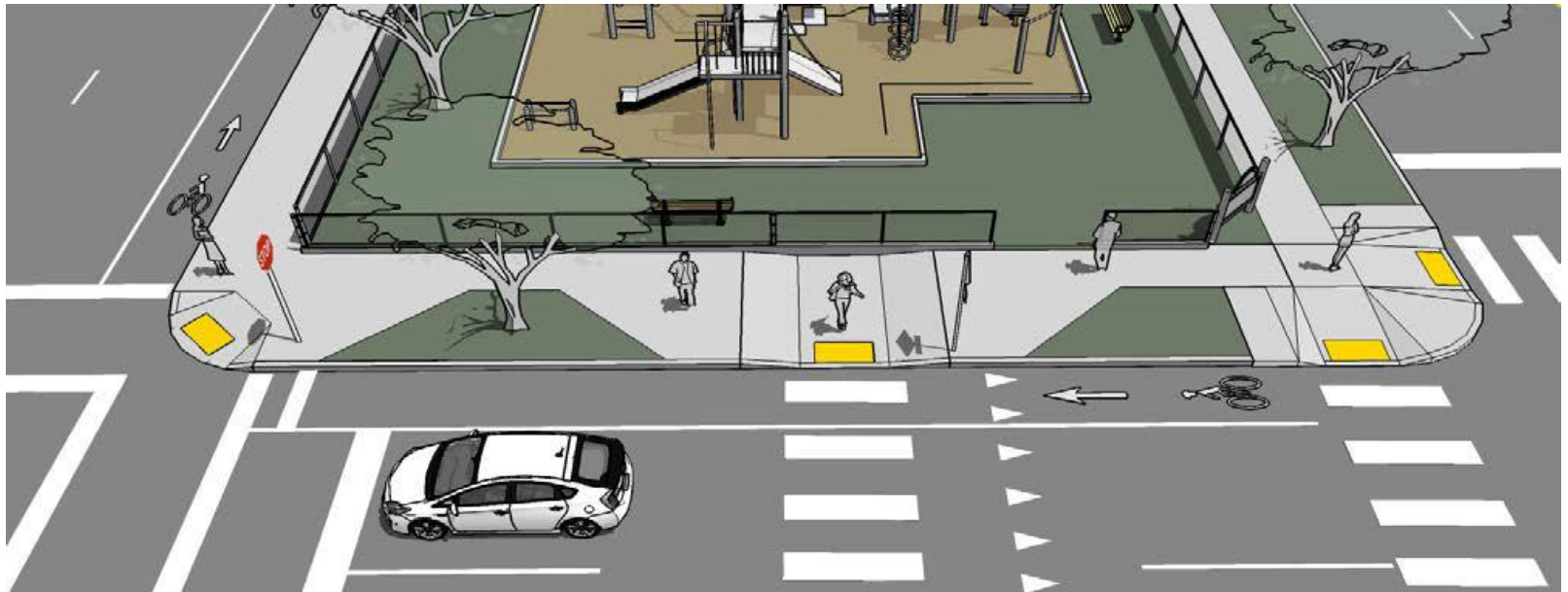


Crossing Improvements

- Jefferson Parkway and Jefferson Road Intersection
- Jefferson Parkway and Roosevelt Drive Intersection (West)
- Jefferson Parkway and Jefferson Park Trail Crossing
- Jefferson Parkway and Raider Drive
- Jefferson Parkway and Bridgewater Entrance (East)

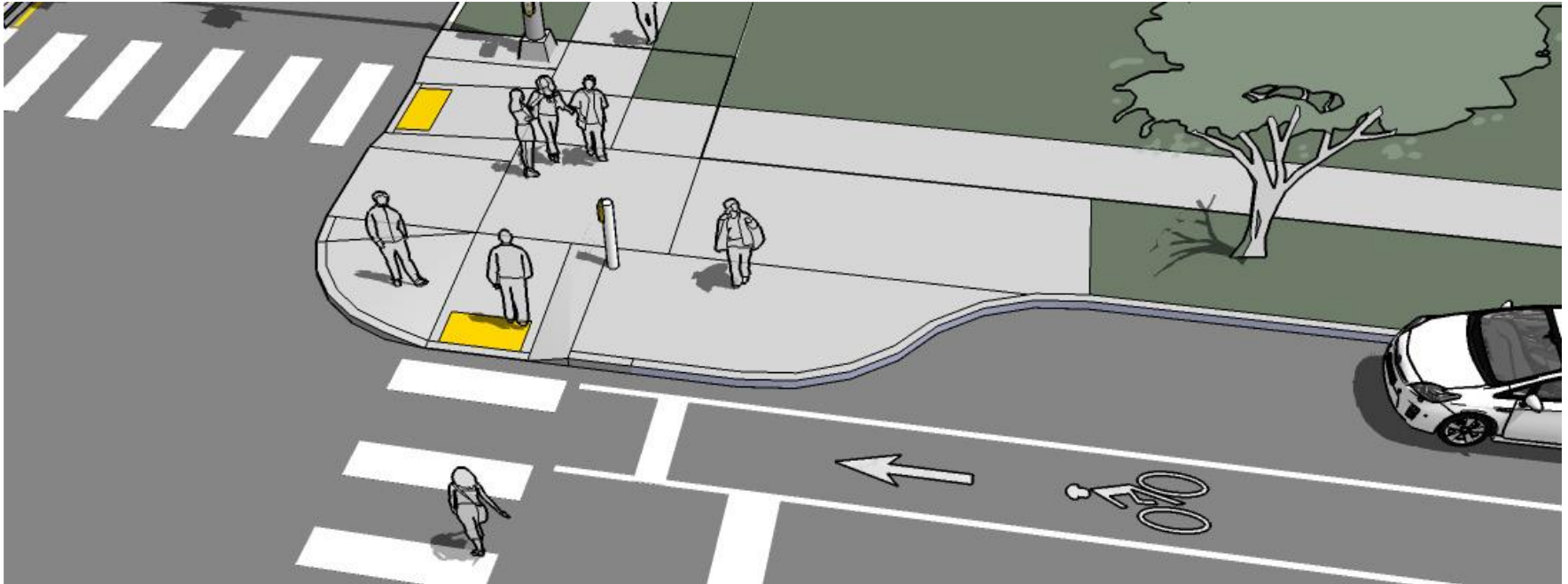


Crossing Improvements



Curb Ramps

Crossing Improvements



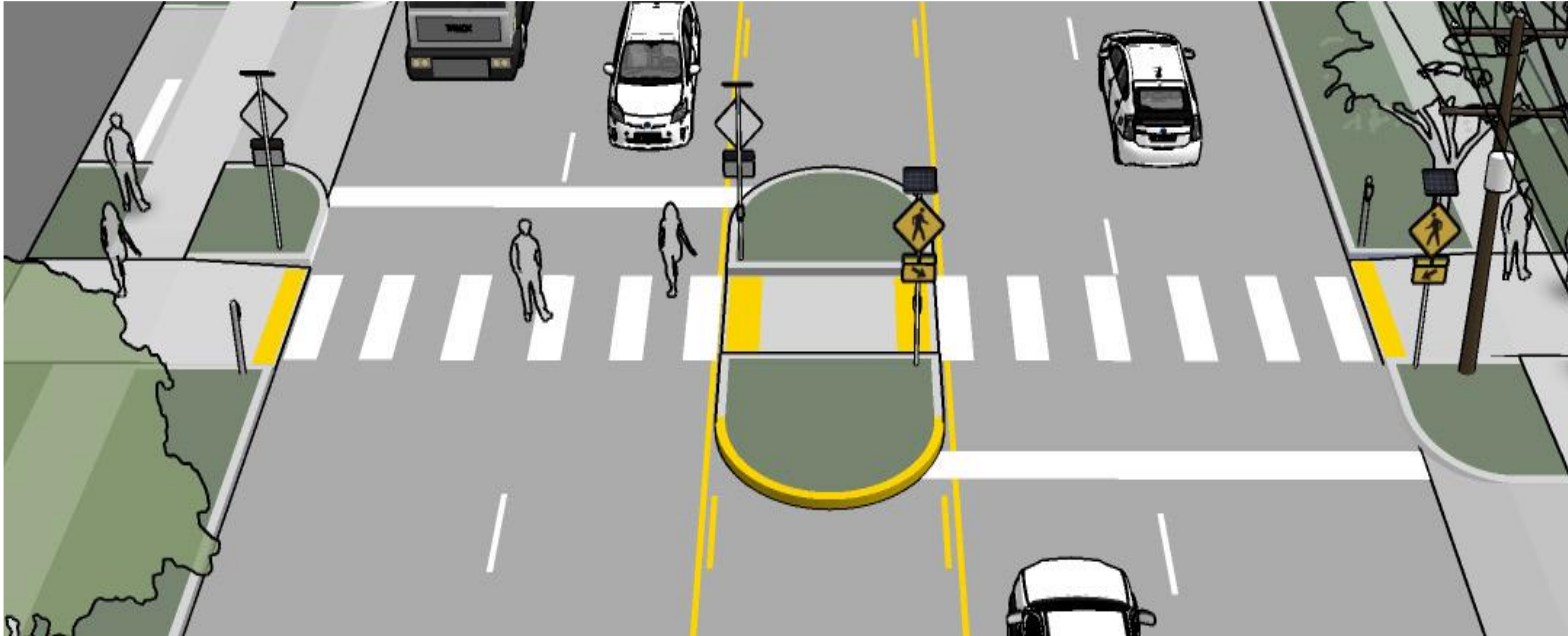
Curb Extensions

Crossing Improvements



Marked Crosswalks

Crossing Improvements



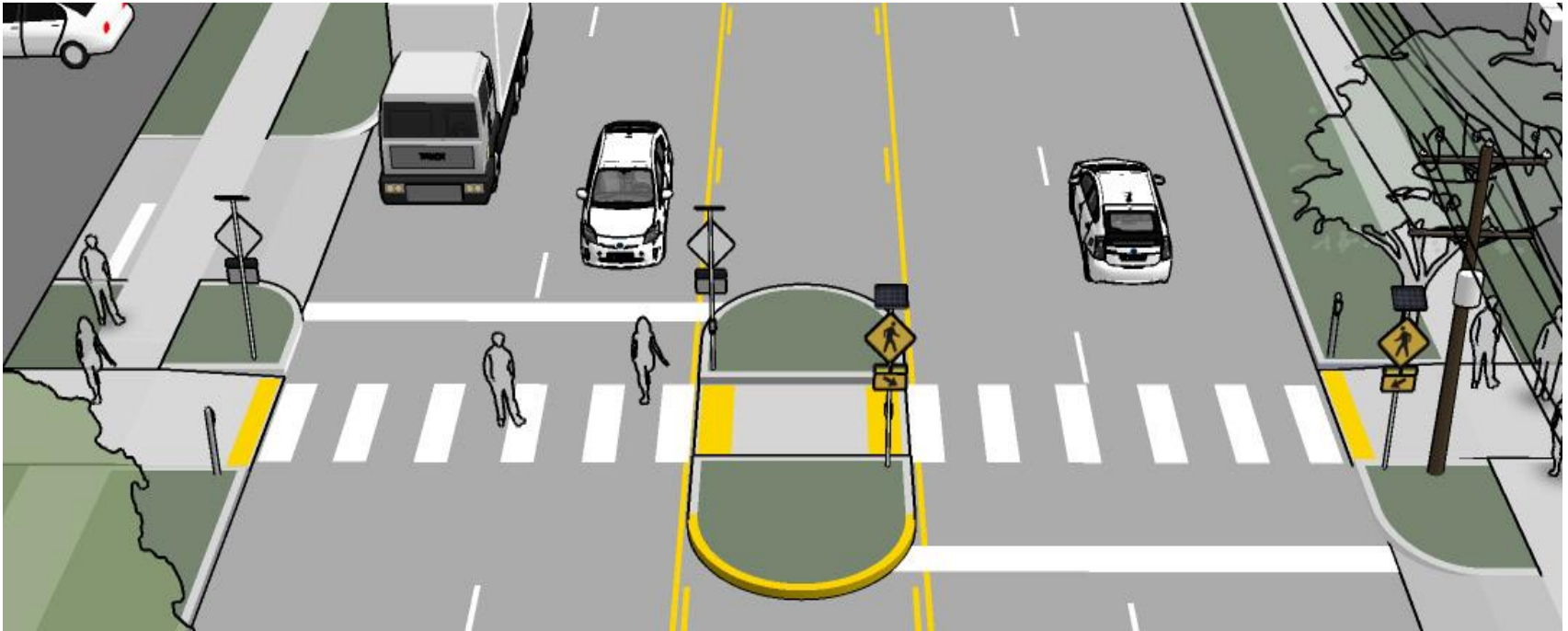
Marked Crosswalks at Mid-Block

Crossing Improvements



Raised Intersections

Crossing Improvements



**Rectangular Rapid Flashing Beacons
RRFB's**

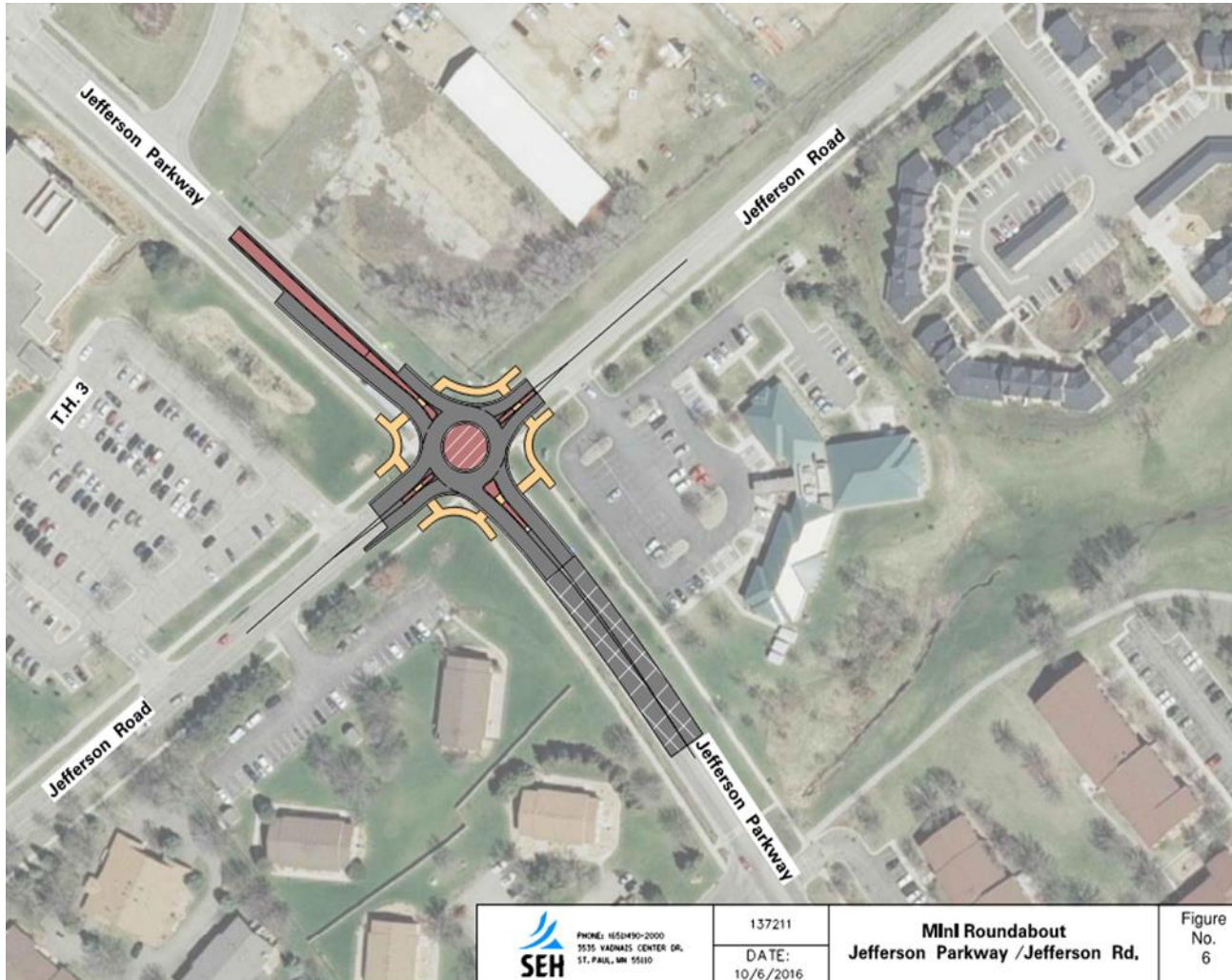
Crossing Improvements



Median Refuge Islands

Intersection Improvements

Jefferson Parkway and Jefferson Road



Intersection Improvements

- **Intersection Control Evaluation (ICE) Analyzation (2021)**
 - Roundabout
 - Mini Roundabout
 - Traffic Signal



Intersection Improvements

Mini Roundabout Recommendation

- Provides acceptable traffic operations through year 2045
- Improved pedestrian and bicycle safety due to slower vehicular approach speeds through the intersection
- Minimizes ROW impacts and costs compared to single lane roundabout
- Traffic signal not expected to be warranted until 2045. Construction for lane modifications is needed prior to that time
- Opportunity exists for pedestrian crossing enhancements on the south and east legs of the intersection through the use of Rectangular Rapid Flashing Beacons (RRFB).



Project Process

May 16, 2023	Order preparation of Feasibility Report
June 20, 2023	Approve Professional Services Agreement
August 16, 2023	Neighborhood Meeting
September 12, 2023	Council discussion of Draft Feasibility Report
October 3, 2023	Accept Feasibility Report and Authorize Preparation of Plans and Specifications
November 22, 2023	Publish Street Recon Plan Hearing Ad in Northfield News
December 5, 2023	Public Hearing – 5-Year Street Reconstruction Plan and adoption of plan
February 20, 2024	Approve Plans and Order Advertisement for Bids
February 28, March 6, 13, 2024	Publish Ad for Bid in Northfield News
March 21, 2024	Bid Opening
April 2, 2024	Accept Bids and Award Contract
May 2024	Property Owner Meetings
May – October, 2024	Construction
July 2025	Accept Improvements and Authorize Final Payment

Action Tonight:

Consideration of Resolution 2023-XXX

**Ordering Preparation of Feasibility Report for the 2024
Jefferson Parkway West Mill and Overlay and Mill Towns Trail
Improvement Project**

Questions

