



**BOLTON
& MENK**

Real People. Real Solutions.



2020 MILL & OVERLAY PROJECT



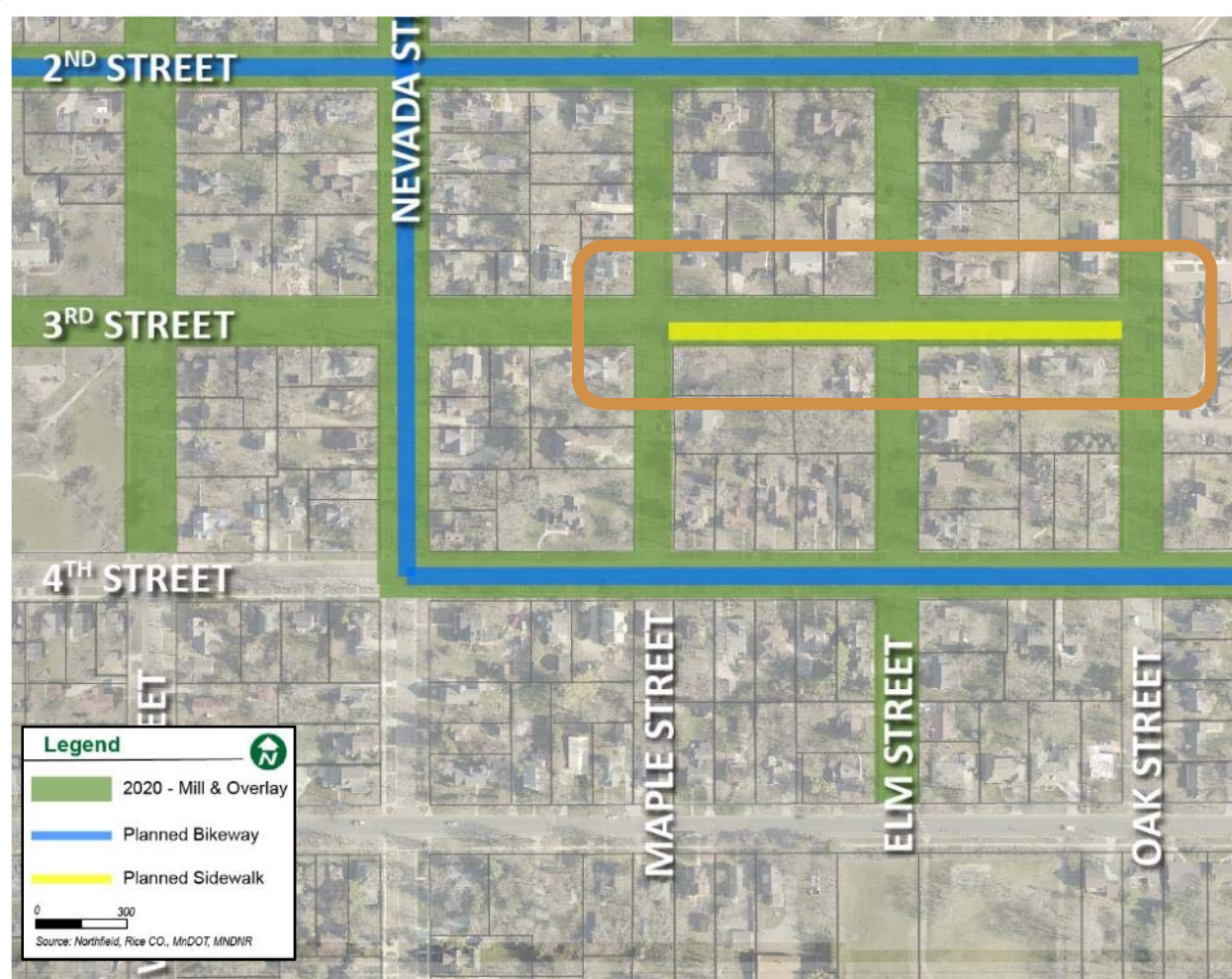
CITY COUNCIL MEETING
COUNCIL DIRECTION ON CONCEPTS
10/15/2019

Concrete Sidewalk Improvements

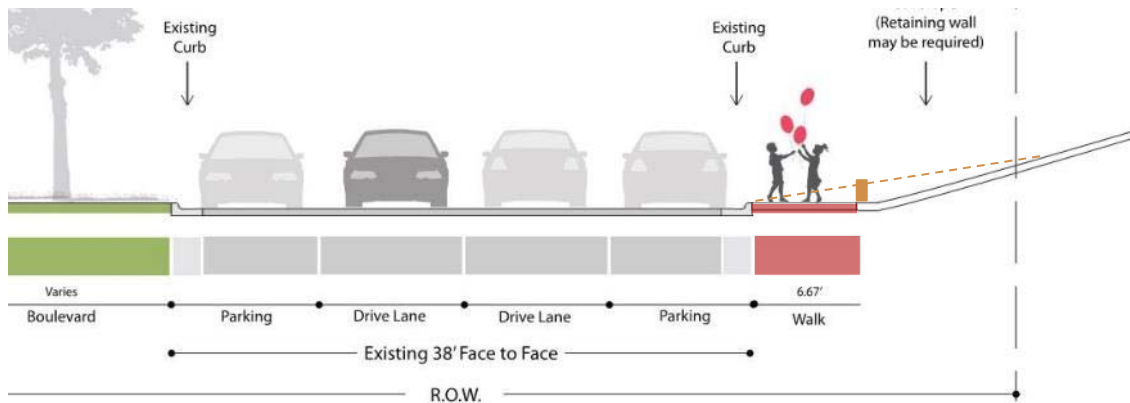
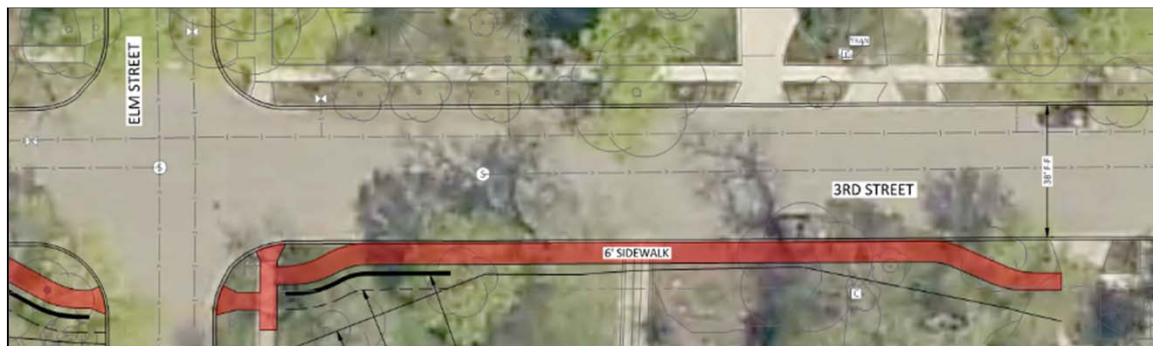


- Pedestrian Facilities proposed to be implemented into this project according to the City of Northfield Pedestrian, Bike, and Trail System Report
- South side of Third Street (Maple St – Oak St)
 - Connecting sidewalk gap per Complete Streets Policy
 - Impacts for consideration with sidewalk:
 - ✦ Existing Street Tree Conflicts
 - ✦ Grading Limits/Retaining Wall Needs
 - ✦ Boulevard Buffer/Snow Storage Capacity
 - ✦ Carriage Walk Integration
 - ✦ Costs

Third Street Sidewalk Connection



Third Street Sidewalk Option 1

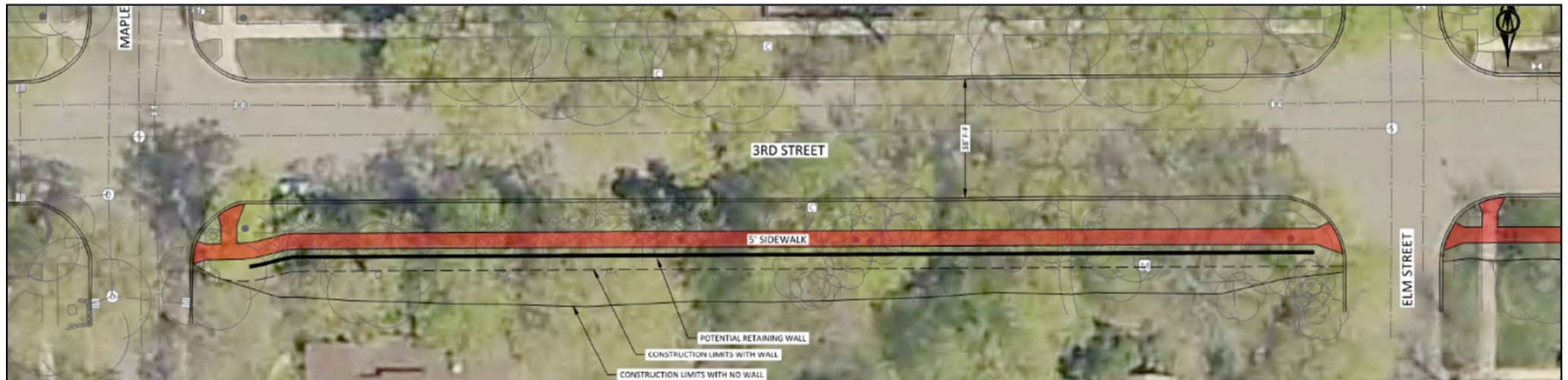


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Considerations

- Front yard existing tree protection
- Potential retaining wall addition
- Carriage walk connections
- Lack of boulevard space
- Lack of snow storage space

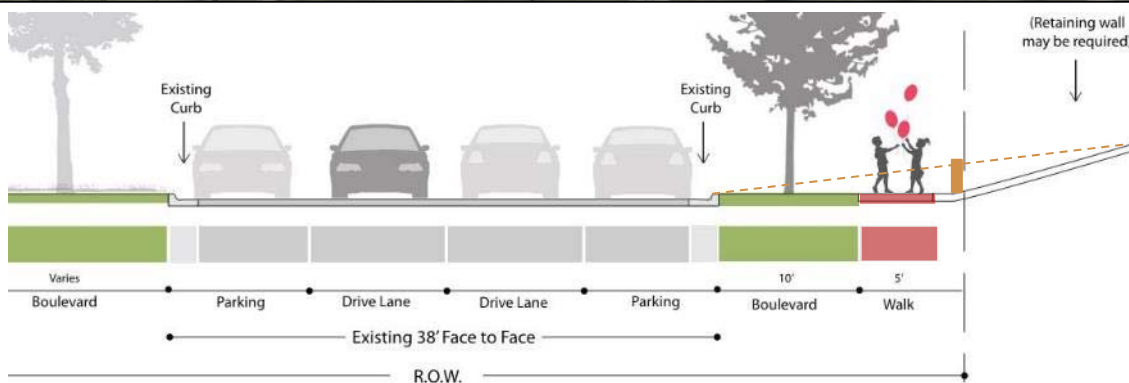
Third Street Sidewalk Option 2



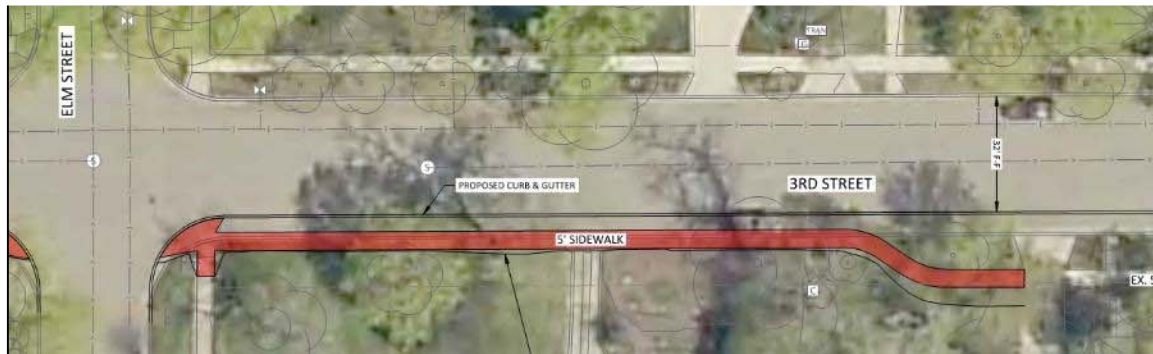
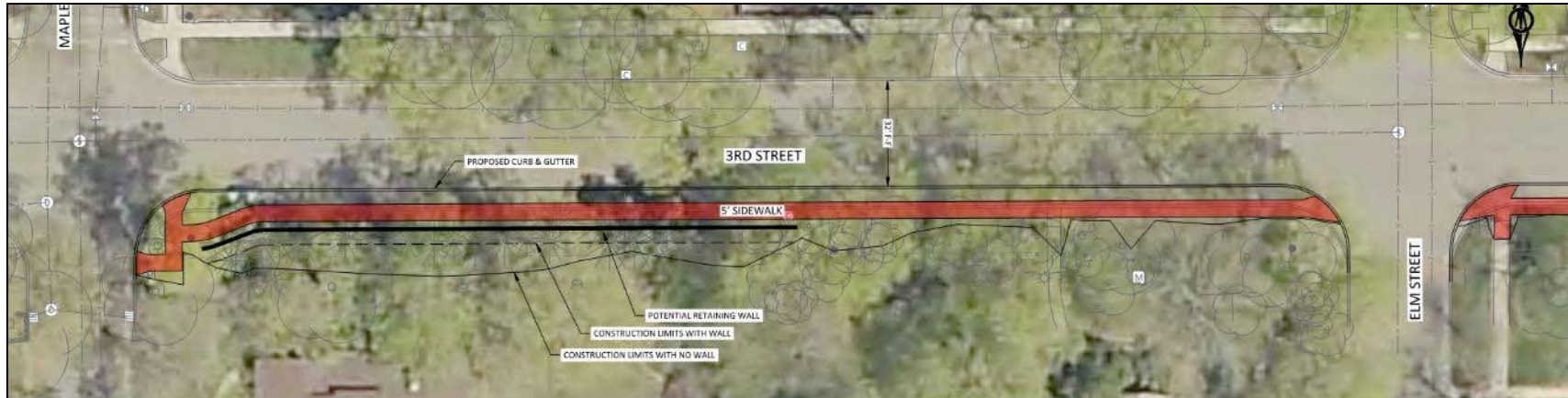
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Considerations

- Front yard existing tree replacement
- Retaining wall addition
- Carriage walk conflict
- Added boulevard space
- Added snow storage space
- Easement consideration



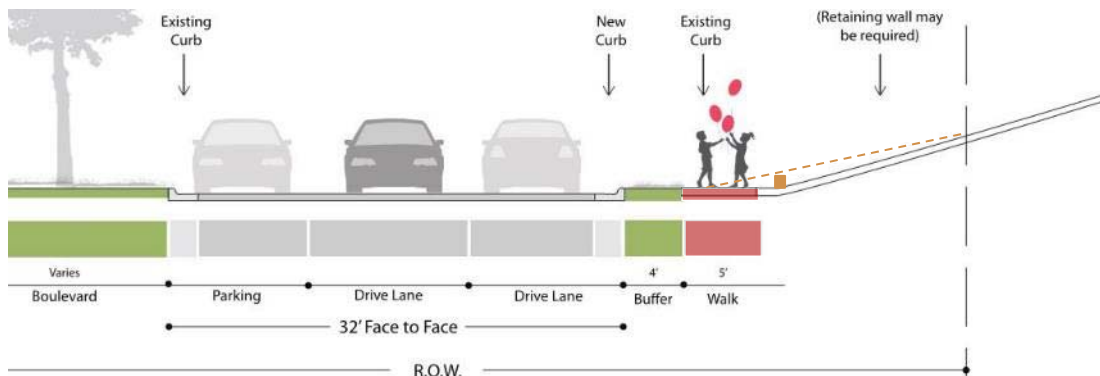
Third Street Sidewalk Option 3



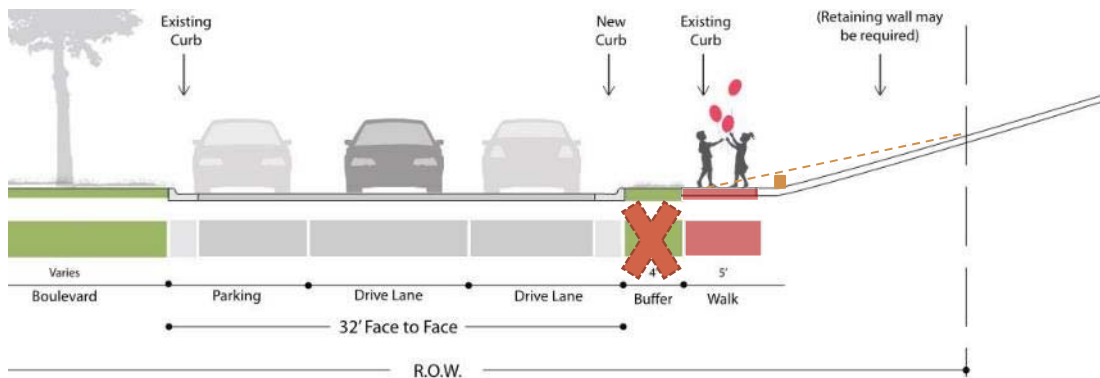
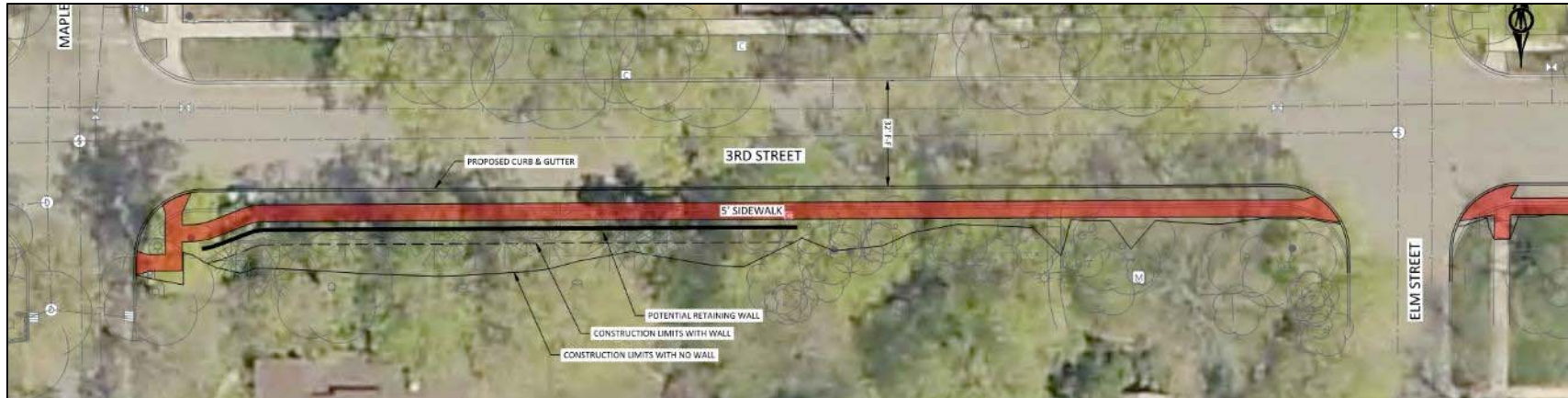
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Considerations

- Front yard existing tree protection
- Small retaining wall addition
- Carriage walk extension
- New curb on south side
- Removed south side parking
- Added small boulevard space
- Added snow storage space



Third Street Sidewalk Option 4 (remove blvd)



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Considerations

- Front yard existing tree protection
- Carriage walk extension
- New curb on south side
- Removed south side parking
- Lack of boulevard space
- Lack of snow storage space

Third Street Sidewalk Option 5



- No New Sidewalk per Feedback from Residents
- Within Scope of Typical Mill & Overlay Project
 - Rehabilitation of Existing Infrastructure
- Aligns with Complete Streets Policy due to trees loss and grade challenges
- Doesn't align with Pedestrian/Bike Plan

Third Street Sidewalk Recommendation



- Staff recommend Option 4 or Option 5

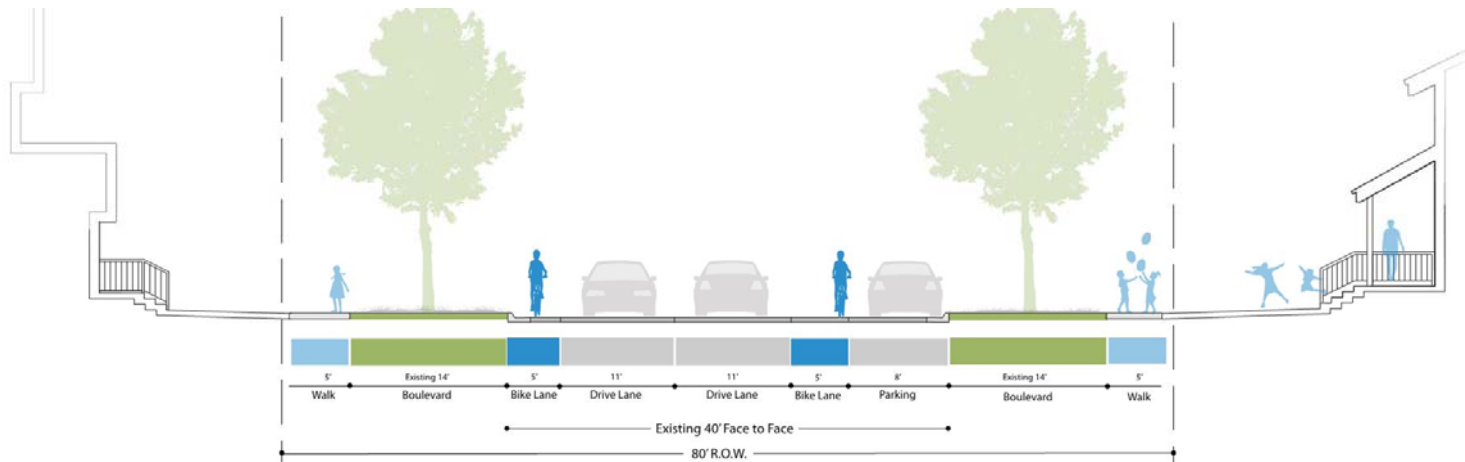
Bikeway Improvements



- Bike facilities will be implemented with the Mill & Overlay project
 - Locations identified per City of Northfield Pedestrian, Bike, and Trail System Report
 - Design follows City of Northfield Complete Streets Policy
- Bikeway additions are only portions of the planned bikeway system
- Considerations on how each option will fit and/or transition to existing and future improvements

4th Street Bikeway Improvements

Nevada Street – Prairie Street



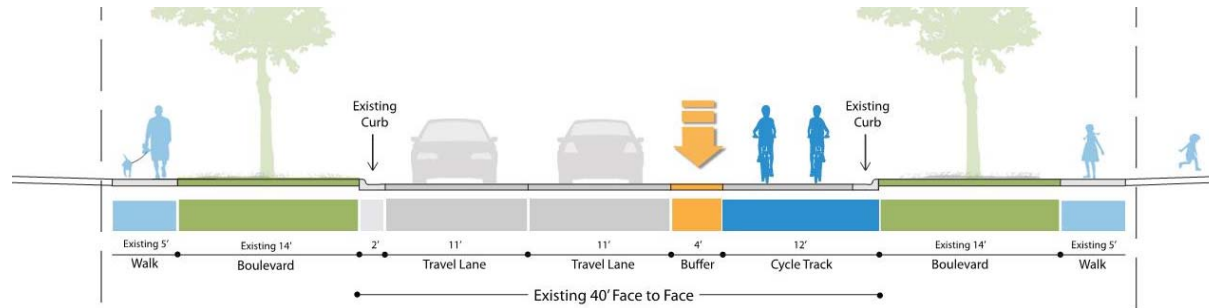
Existing Street Configuration

4th Street Bikeway Improvements

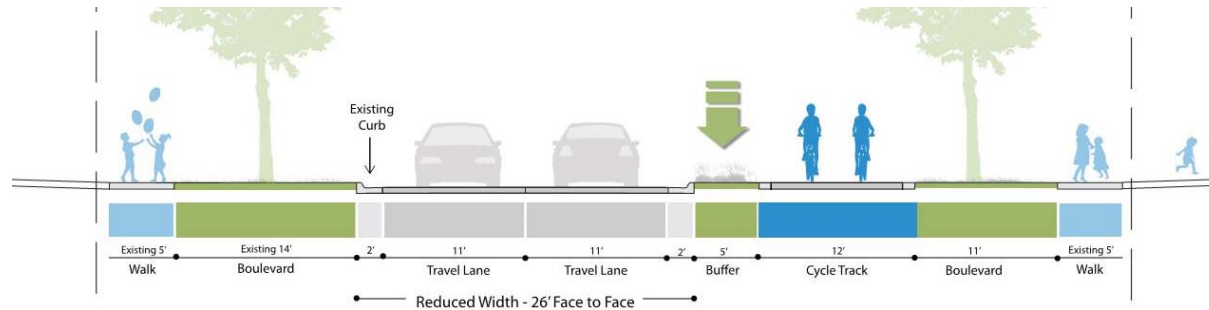
Nevada St – Prairie St

Recommendation On-Street Considerations

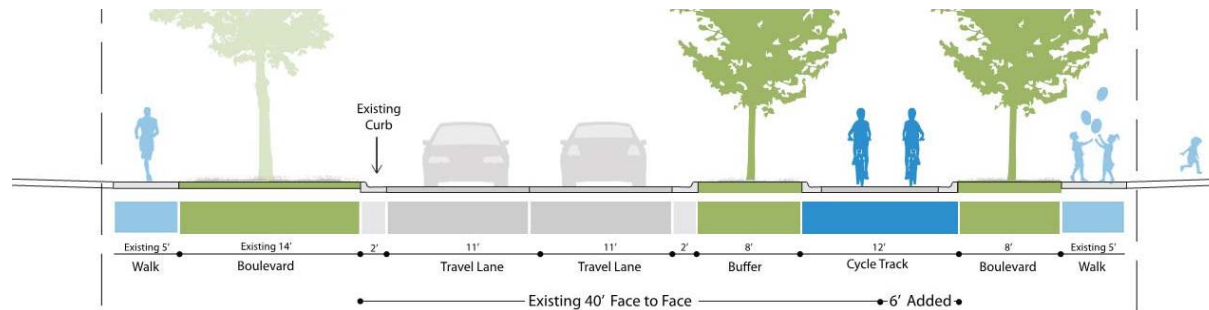
- Painted buffer space – no physical barrier
- Existing road width remains
- High visibility of cycle track



On-Street Cycle Track - \$



Raised Cycle Track - \$ \$



Raised Buffer Cycle Track - \$ \$ \$

Raised Cycle Track Considerations

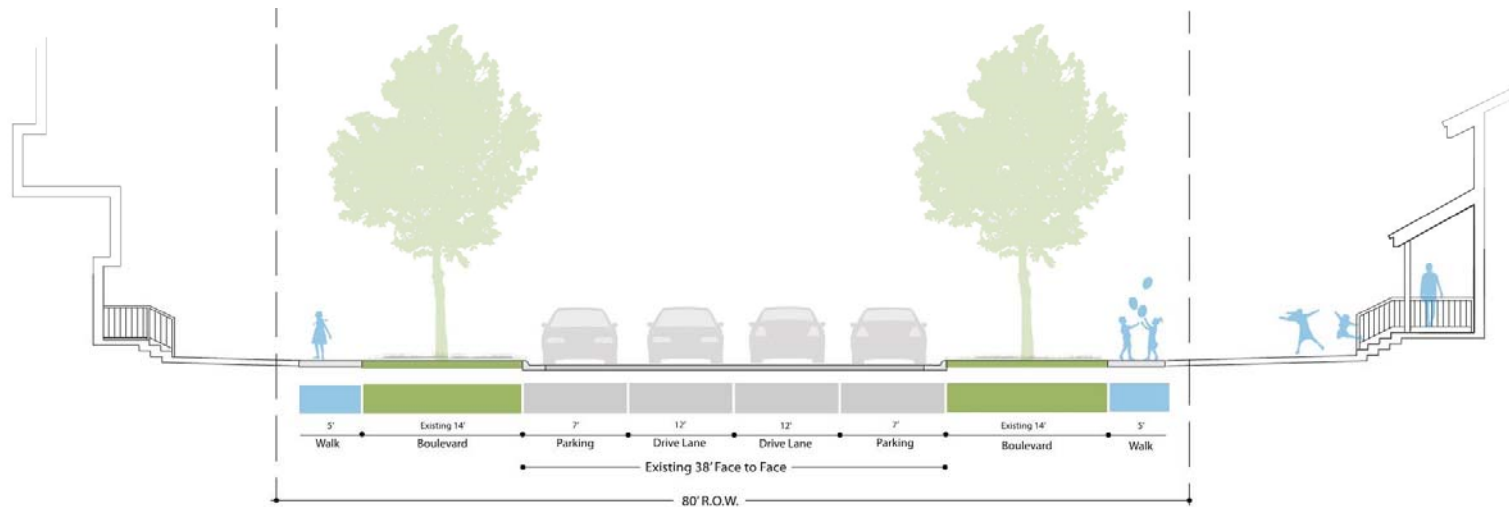
- Reduced road width
- Elevated cycle track separation
- Small snow storage area
- Opportunity for raised street crossings
- Storm relocation

Raised Buffer Considerations

- Reduced road width
- Storm relocation - stormwater control in buffer
- Larger snow storage area
- New curb on road and bike

College Street Bikeway Improvements

First Street – Third Street



Existing Street Configuration

College Street Bikeway Improvements

First Street – Third Street

Bike Lane Considerations

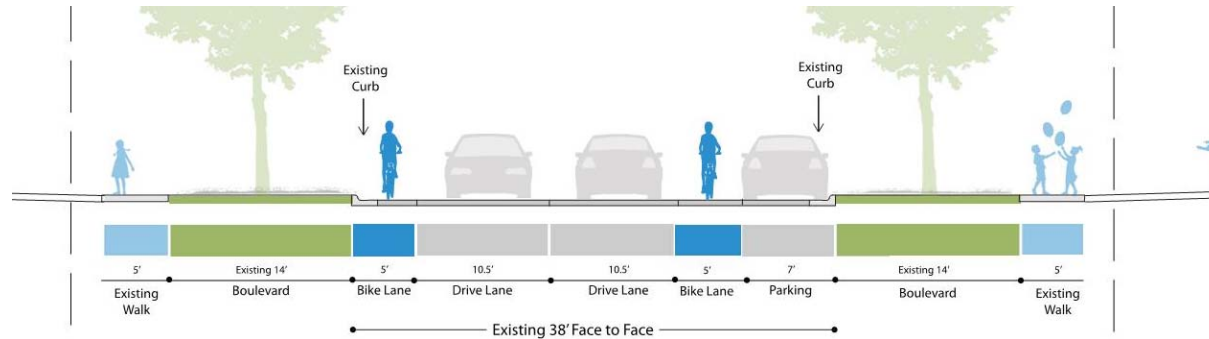
- Existing road width
- One side parking
- Commuter accommodation

Recommendation On-Street Considerations

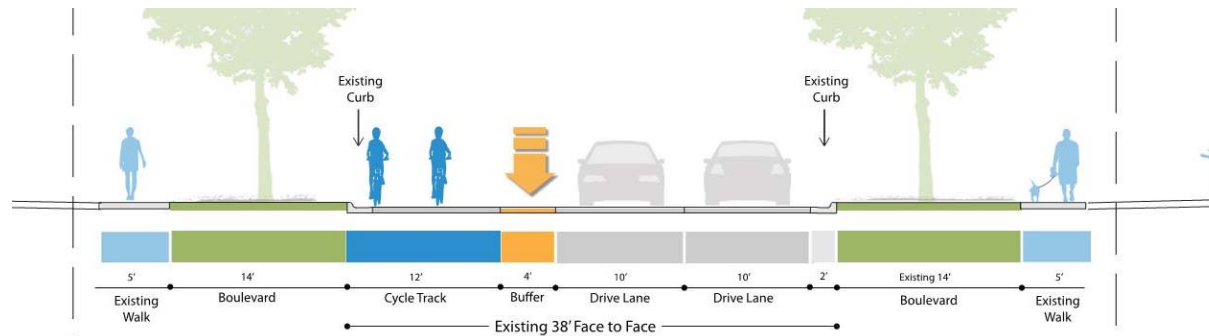
- Existing road width
- Painted buffer space – no physical barrier
- High visibility of cycle track
- No parking

Raised Cycle Track Considerations

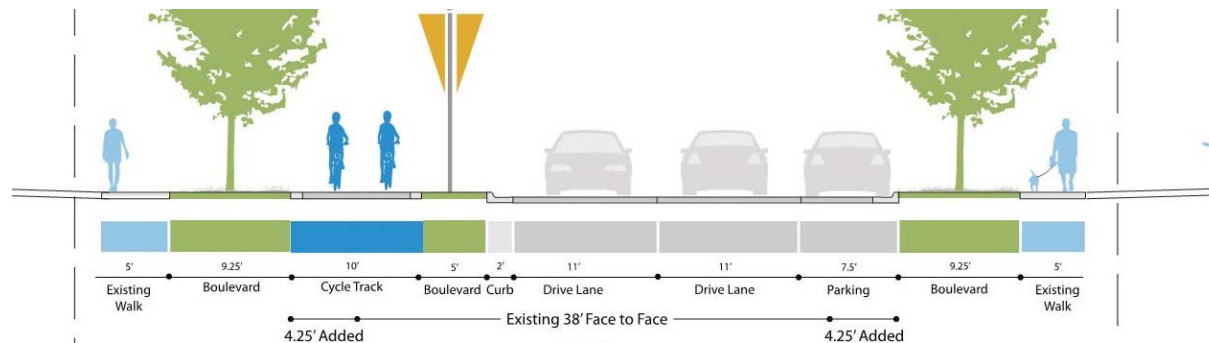
- Reduced road width – new curb
- One side parking
- Snow storage area
- Additional streetscape options
- Hydrant/Street Light relocation



On-Street Bike Lanes - \$



On-Street Cycle Track - \$ \$



Raised Cycle Track - \$ \$ \$

Project Process



- Aug 20, 2019 - *Order Preparation of Feasibility Report/Approve Scope of Services Contract*
- Oct 2, 2019 - *Neighborhood Meeting #1*
- **Oct 15, 2019** - **Council Direction on Bikeway & Sidewalk Concepts**
- Nov 5, 2019 - Accept Feasibility Report & Call for Improvement Hearing & Order Preparation of Plans & Specifications
- Dec 3, 2019 - Public Improvement Hearing & Order Improvements
- Jan 8, 2019 - Neighborhood Meeting #2
- Jan 14, 2020 - Approve Final Plans/Specs & Order Advertisements for Bids
- Feb 13, 2020 - Bid Opening
- Feb 18, 2020 - Accept Bids & Award Contract
- April 14, 2020 - Declare Amount to be Assessed/Call for Assessment Hearing
- April 2020 - Property Owner Meetings
- May 5, 2020 - Assessment Hearing/Adopt Assessment Roll
- June to Oct 2020 - Construction
- June 2021 - Accept Improvements & Authorize Final Payment



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Questions / Comments



Project Website:

[https://www.ci.northfield.mn.us/1313/
2020-Mill-and-Overlay-Project](https://www.ci.northfield.mn.us/1313/2020-Mill-and-Overlay-Project)