



**BOLTON
& MENK**

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2020 MILL & OVERLAY PROJECT



**CITY COUNCIL MEETING
FEASIBILITY REPORT**

11/05/2019

2020 Project Scope



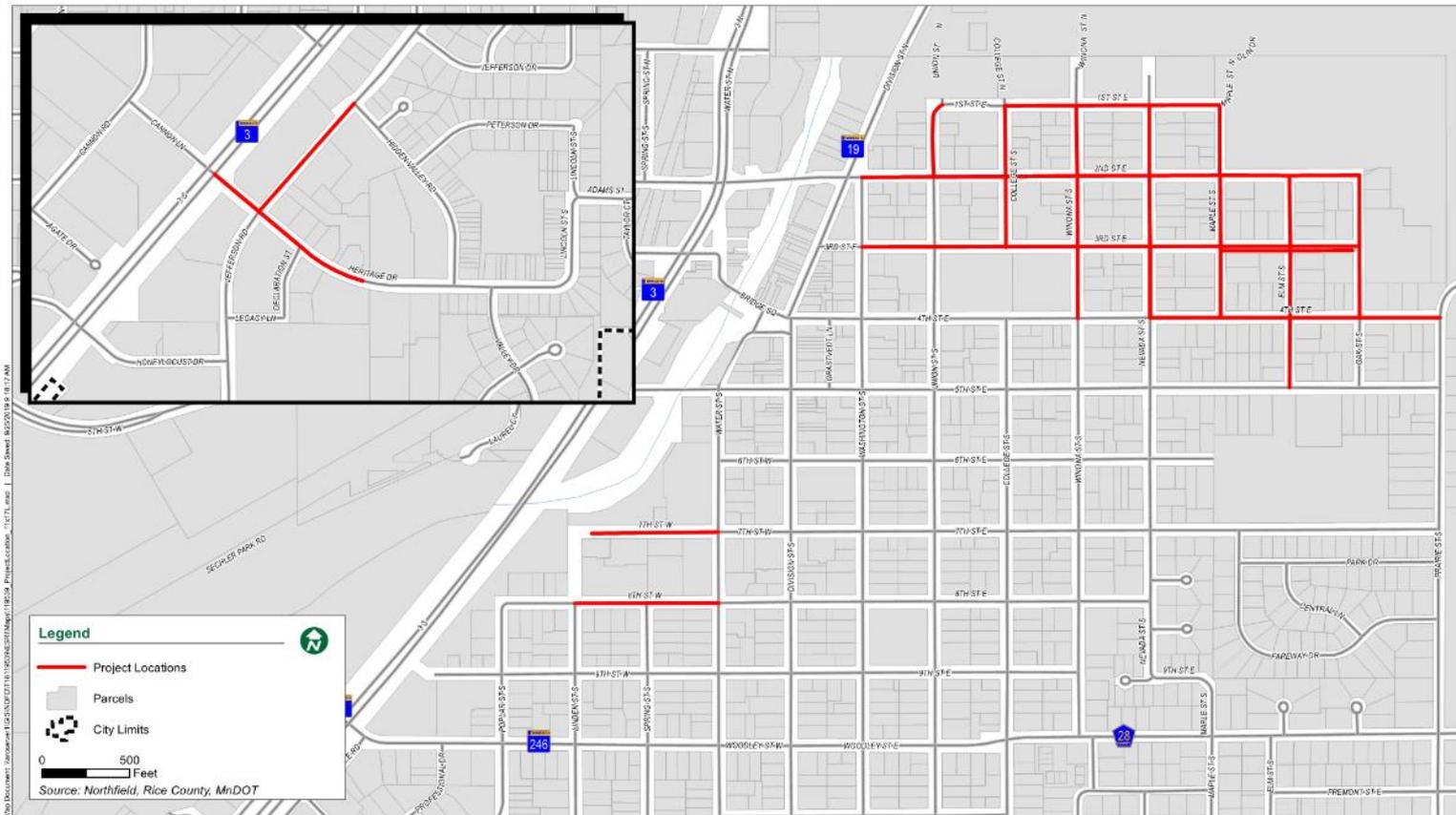
- Mill & Overlay – pavement life extended by 15 years
- Concrete Curb and Gutter Spot Repairs
- Sidewalk Spot Repairs
- ADA Upgrades to Existing Pedestrian Ramps
- Intersection Bump-out Analysis
- Bikeways Construction
- Storm Sewer, Sanitary Sewer, & Watermain Adjustments
- Storm Sewer Analysis & Relocations As Necessary

Project Location



2020 Mill & Overlay Project
City of Northfield, MN

Figure 1: Project Location
September 2019



Pedestrian Facilities



- South Side of Third Street (Maple St to Oak St)
- No New Sidewalk Recommended
- 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

Intersections Bump-out Analysis



- Bump-outs Increase Pedestrian Safety and Traffic Calming
- Intersection Crosswalks Pedestrian Flow Observation
 - Intersections Categorized by Observed Crossing Density
- Highest Crossings Observed Near Specific Destinations
- Limitations - Bikeway Conflicts, Delivery Routes, etc.
- Storm Sewer Relocation Necessary to Accomodate

- Bump-outs Recommended for 2 Intersections:
 - Third Street & Winona Street (near Central Park)
 - Third Street & College Street (near Weitz Center)

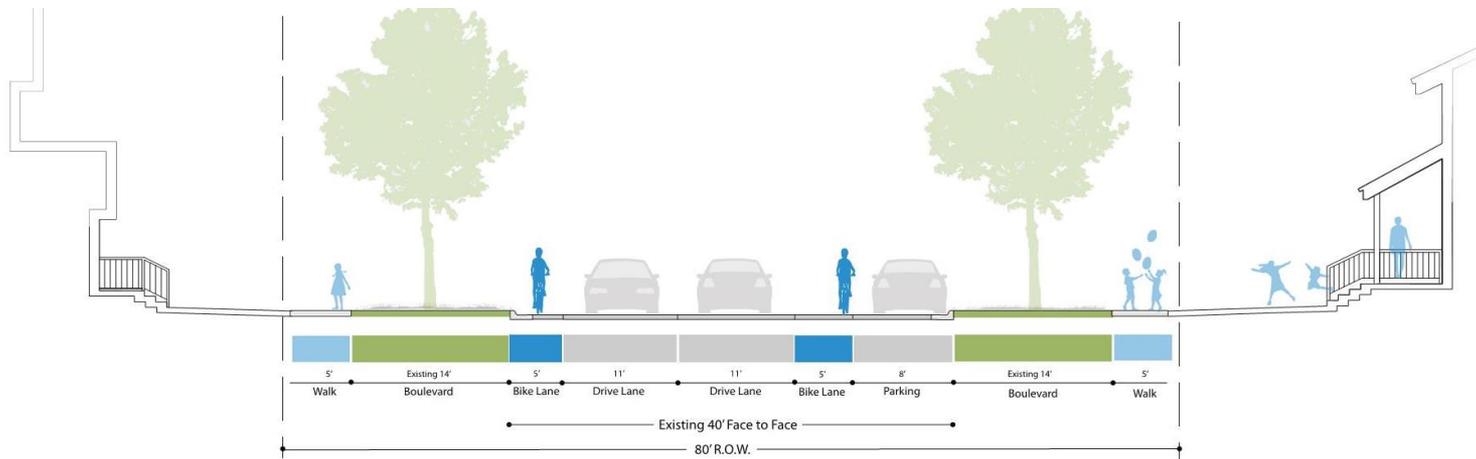
Bikeway Improvements



- 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

Fourth Street Bikeway Improvements

Nevada Street – Prairie Street

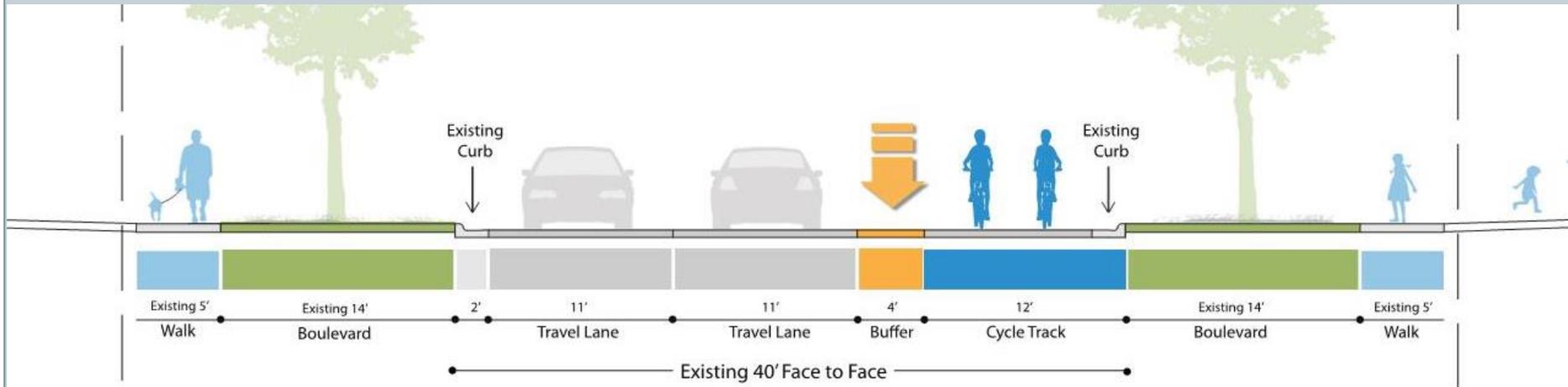


Existing Street Configuration

Fourth Street Bikeway

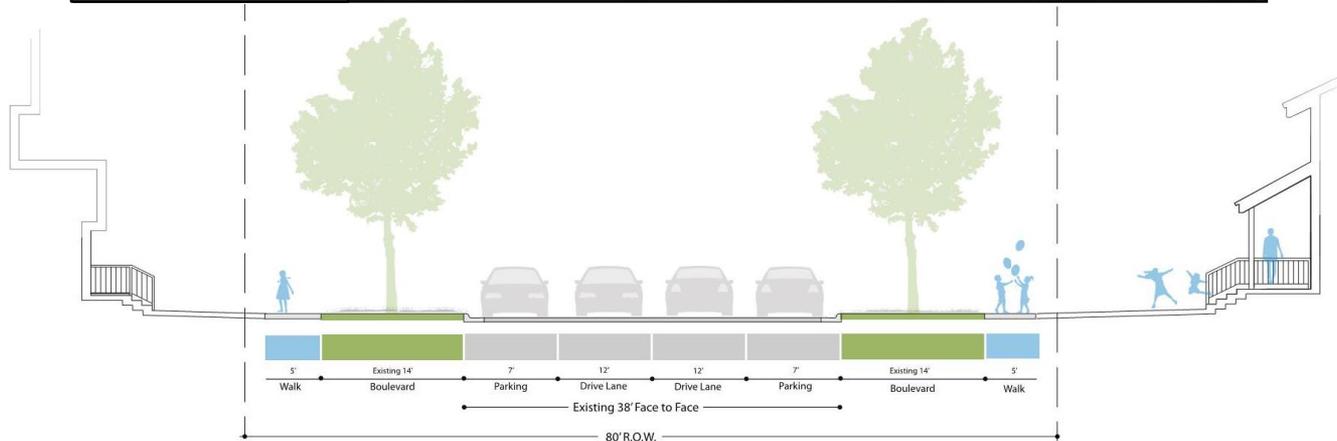


- Nevada Street to Prairie Street
- On-Street Cycle Track
 - Fits in Existing Street Footprint
 - Painted Buffer but No Physical Barrier
 - Eliminates Parking



College Street Bikeway Improvements

First Street – Third Street

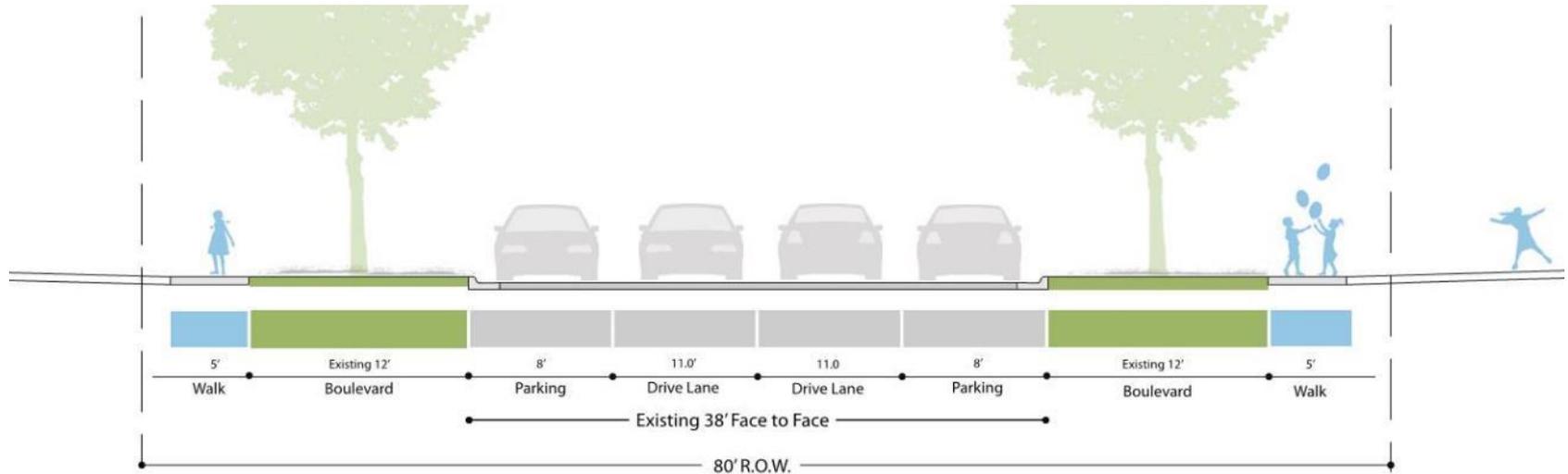


Existing Street Configuration

- Three Concept Options Evaluated
- No Bikeway Proposed based on Feedback

Second Street Bikeway Improvements

Washington Street – Oak Street

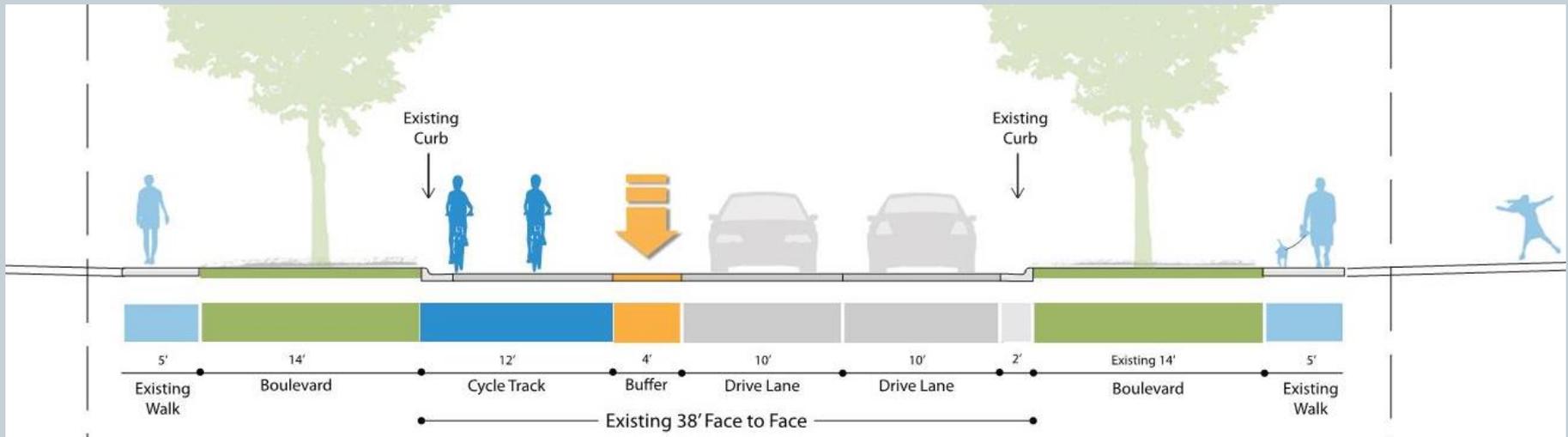


Existing Street Configuration

Second Street Bikeway

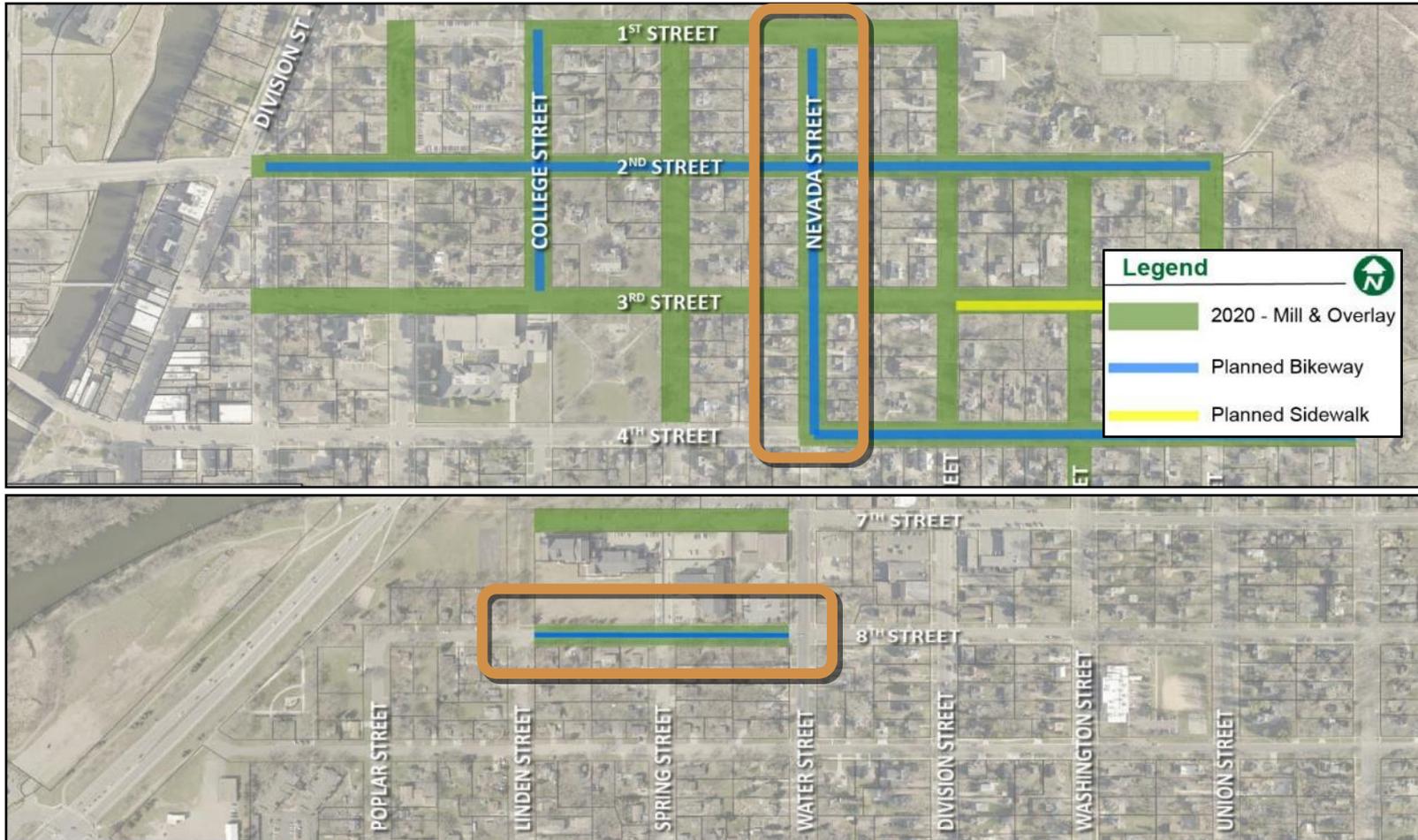


- Washington Street to Oak Street
- On-Street Cycle Track
 - Fits in Existing Street Footprint
 - Painted Buffer but No Physical Barrier
 - Eliminates Parking



Nevada Street & Eighth Street Bikeway Improvements

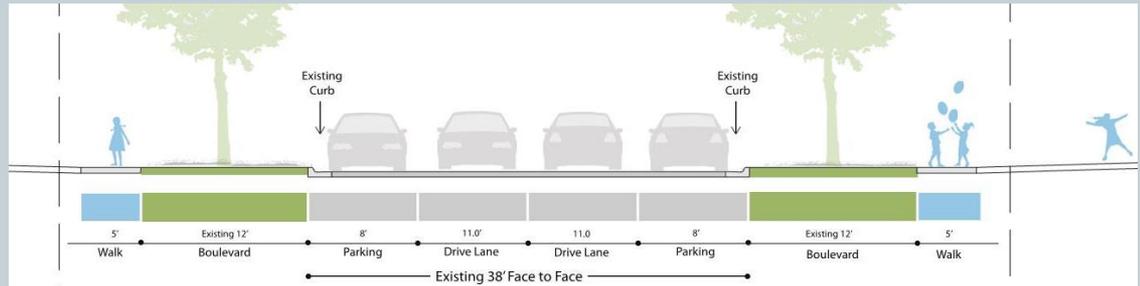
First Street – Fourth Street
Linden Street – Water Street



Nevada Street & Eighth Street Bikeway



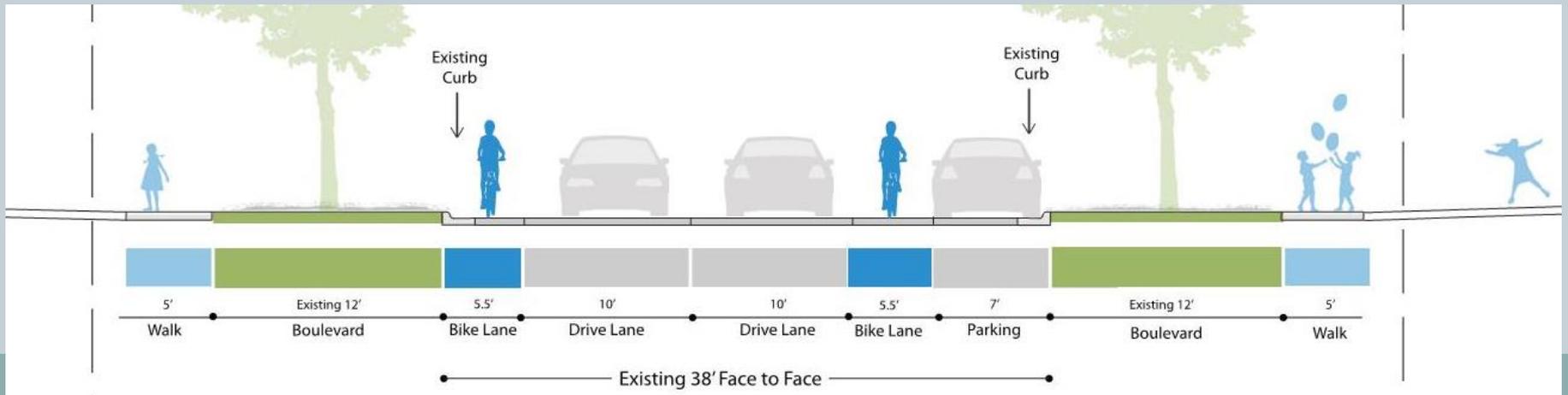
- First St to Fourth St & Linden St to Water St



Existing Street Configuration

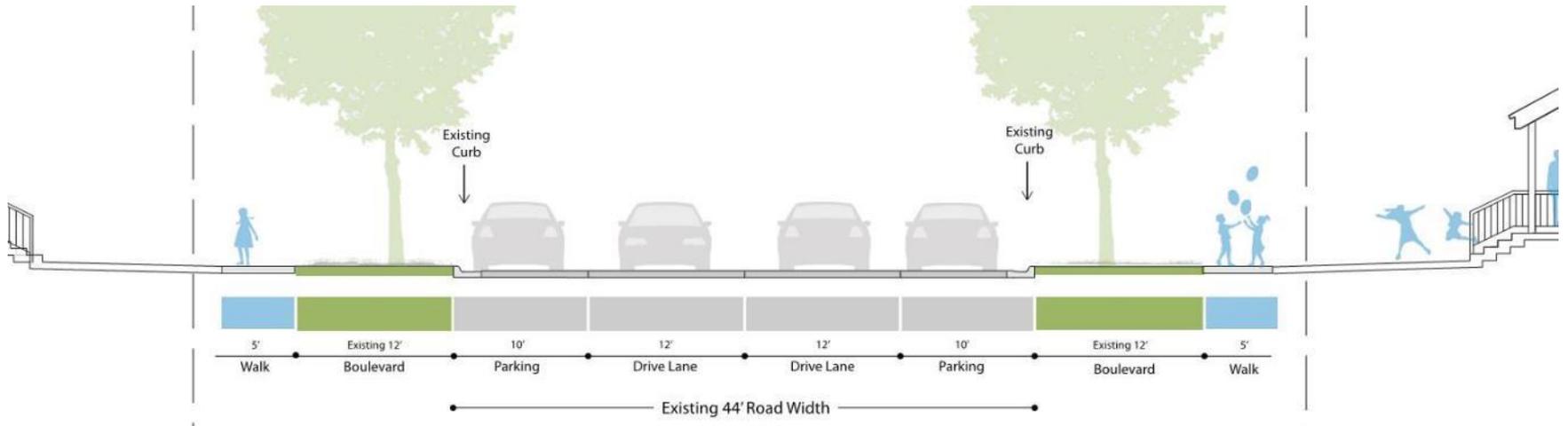
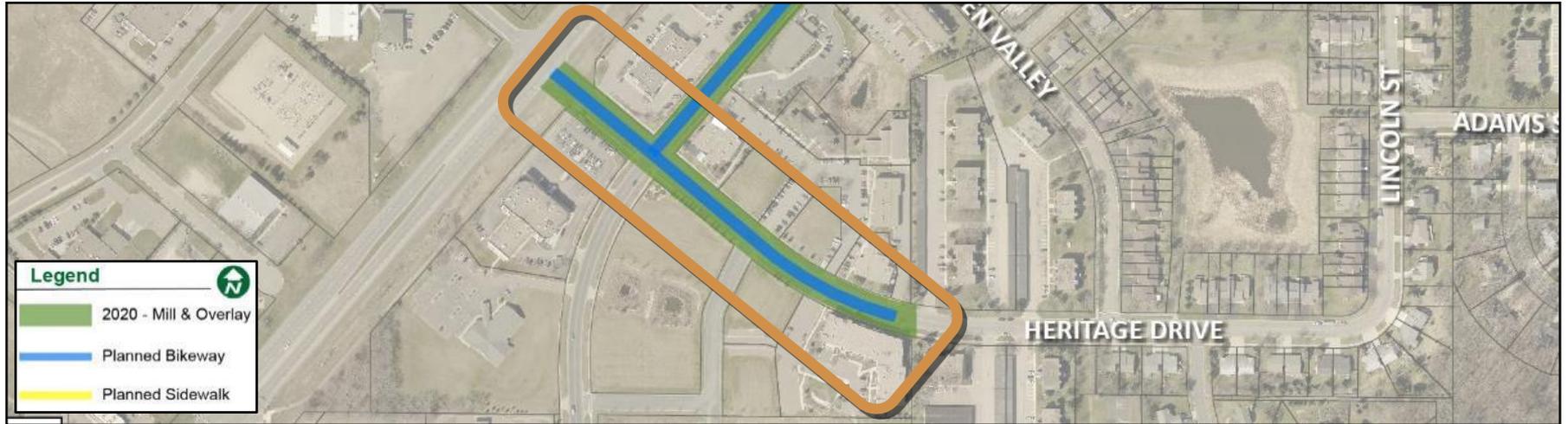
- On-Street Bike Lanes

- Fits in Existing Street Footprint
- No Buffer (Commuter Accommodation)
- Maintains Parking on One Side



Heritage Drive Bikeway Improvements

Hwy 3 – 500 ft west of Hidden Valley Rd



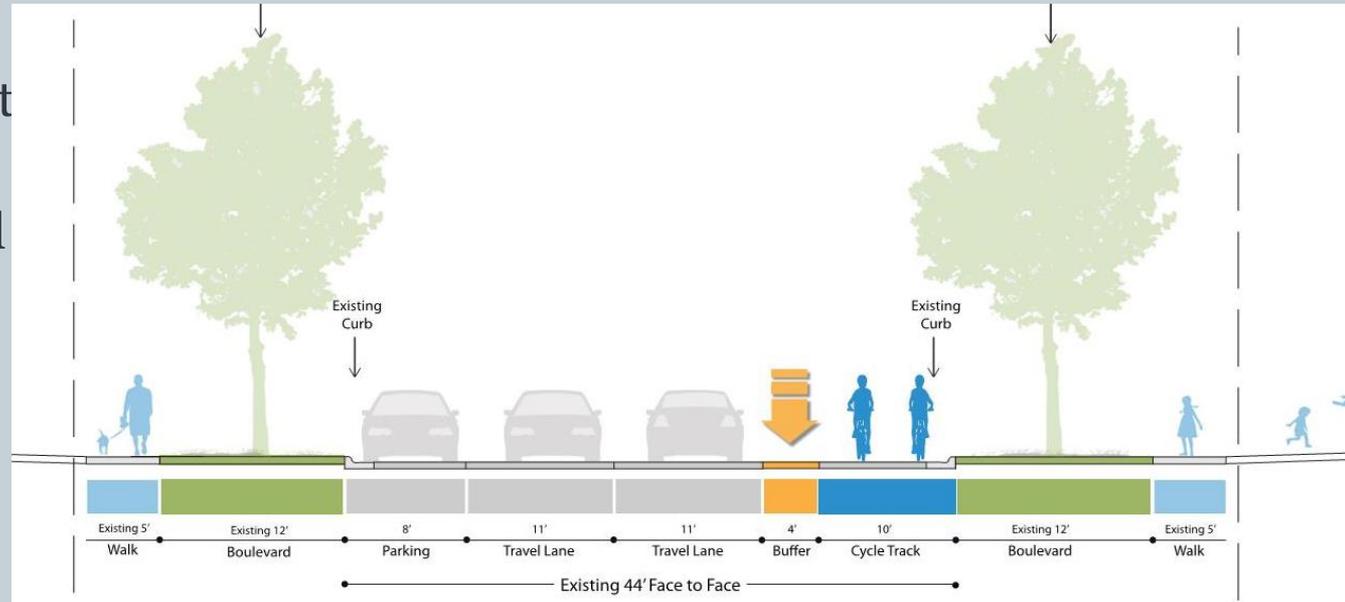
Existing Street Configuration

Heritage Drive Bikeway



- TH 3 to 500 ft. west of Hidden Valley Road
- On-Street Cycle Track

- Fits in Existing Street Footprint
- Painted Buffer but No Physical Barrier
- Maintains Parking on One Side



- Jefferson Road (Heritage Dr to Hidden Valley Rd) will match Existing Bikeway Layout

Estimated Project Costs



ESTIMATED TOTAL PROJECT COSTS	
	ESTIMATED COSTS
Street	\$2,881,327
Storm Sewer	\$230,490
Sanitary Sewer	\$27,550
Watermain	\$14,575
<i>Subtotal</i>	<i>\$3,153,942</i>
<i>Art (1%)</i>	<i>\$31,539</i>
<i>Subtotal with Art</i>	<i>\$3,185,481</i>
Contingency (10%)	\$318,548
<i>Construction Total</i>	<i>\$3,504,029</i>
<i>Overhead (20%)</i>	<i>\$700,806</i>
PROJECT COSTS	\$4,204,835

Estimated Project Funding



TOTAL PROJECT FUNDING	
FUNDING SOURCE	ESTIMATED FUNDING
Bonding	\$2,995,552
Assessments	\$848,559
Storm Fund	\$304,984
Sanitary Fund	\$36,454
Water Fund	\$19,286
TOTAL FUNDING	\$4,204,835

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)