



Congress Street Bridge Study

Virtual Public Meeting

MARCH 9, 2021



Agenda

- A. Introduction**
- B. Study Area**
- C. Summary of Public Outreach**
- D. Priority Projects**
- E. Recommendations**
- F. Q & A**

This document was prepared with funding provided by the New York State Department of State under Title 11 of the Environmental Protection Fund.

Agenda

Introduction



alta



Presenters



Lindsay Zefting

Principal
Alta Planning + Design



Joe LaCivita

General Manager
City of Watervliet



James Rath

Planner
City of Troy

Study Area



Congress Street Bridge Study Area

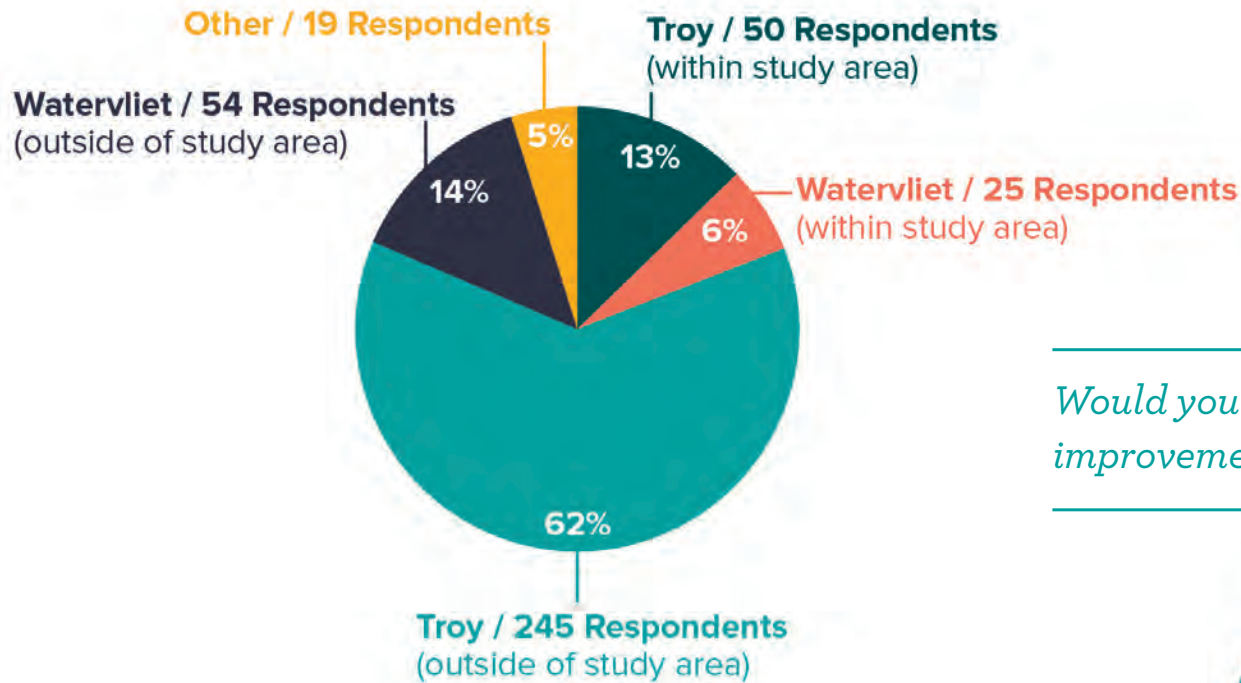
Stakeholder Meetings



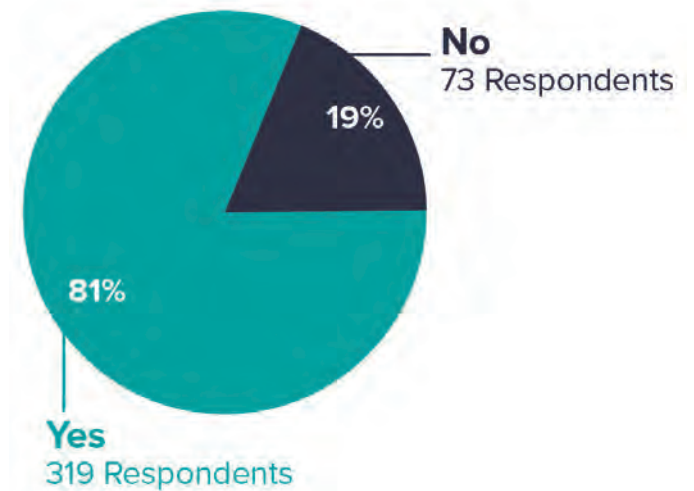
- Additional City of Watervliet staff and elected officials
- Additional City of Troy staff
- Capital District Transportation Authority
- New York State Department of Transportation
- Capital District Transportation Committee
- Troy Housing Authority & Penrose, LLC
- Watervliet Housing Authority
- City of Watervliet and Troy interest groups including active businesses in or adjacent to the study area

Online Survey

393 Survey Respondents



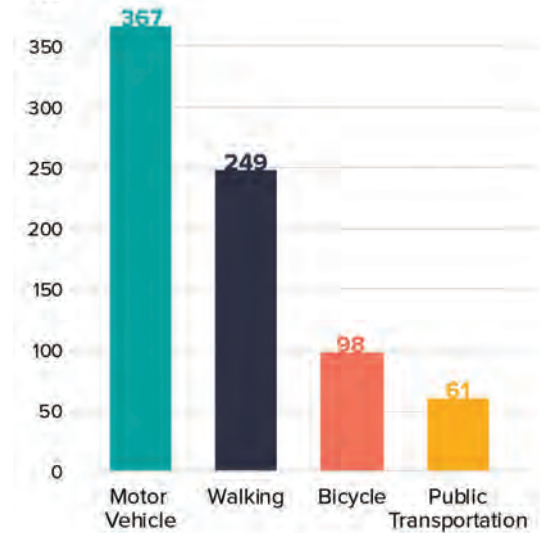
Would you walk or bike more after improvements are made within the study area?



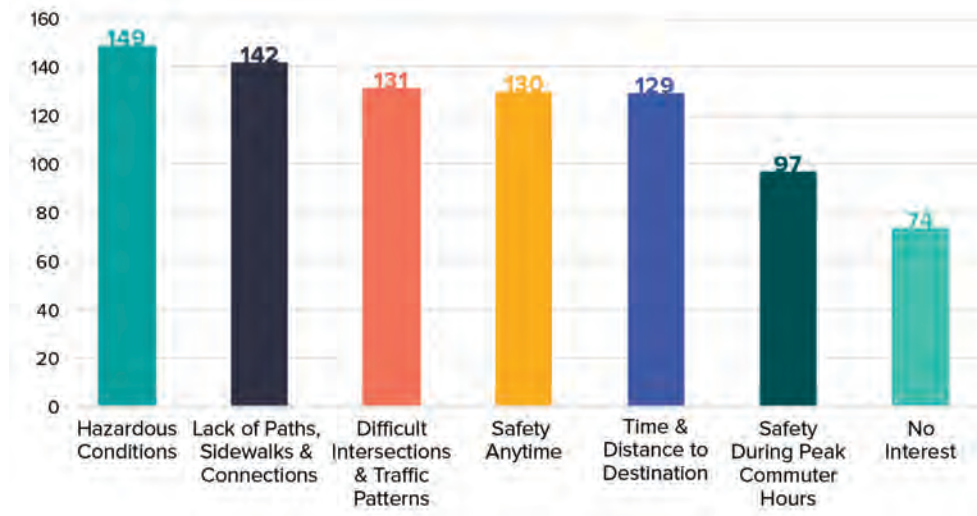
Which amenities are most important to you?



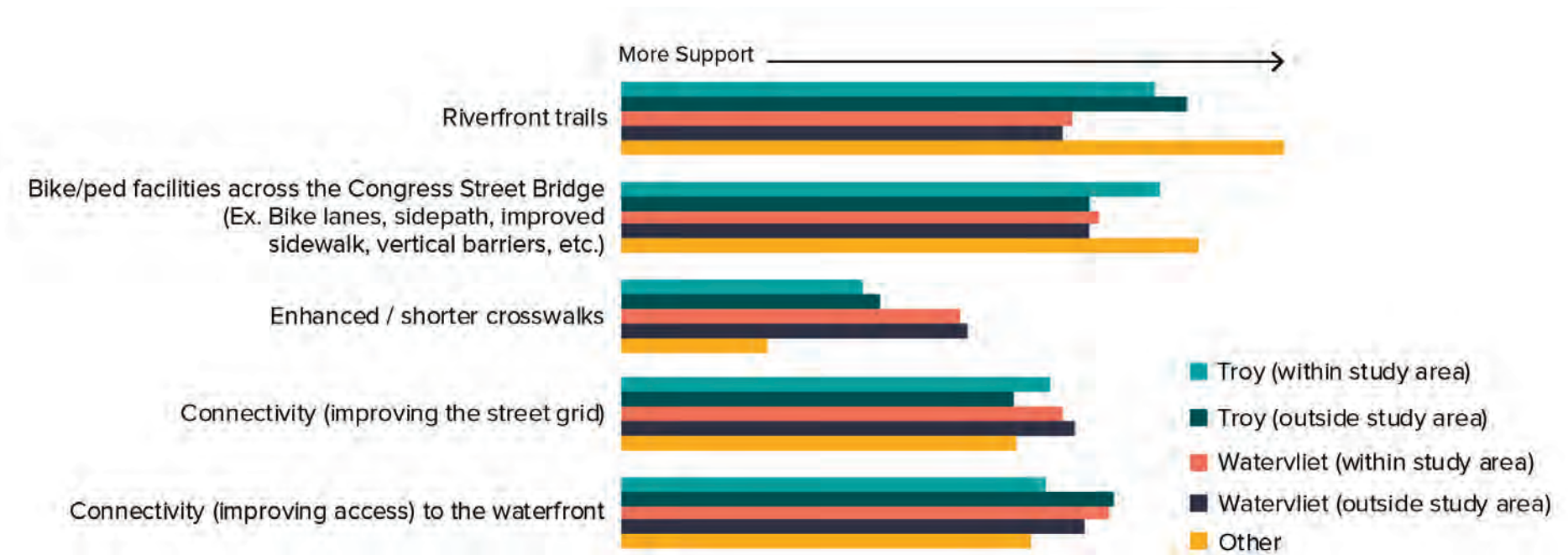
How do you travel within the study area?



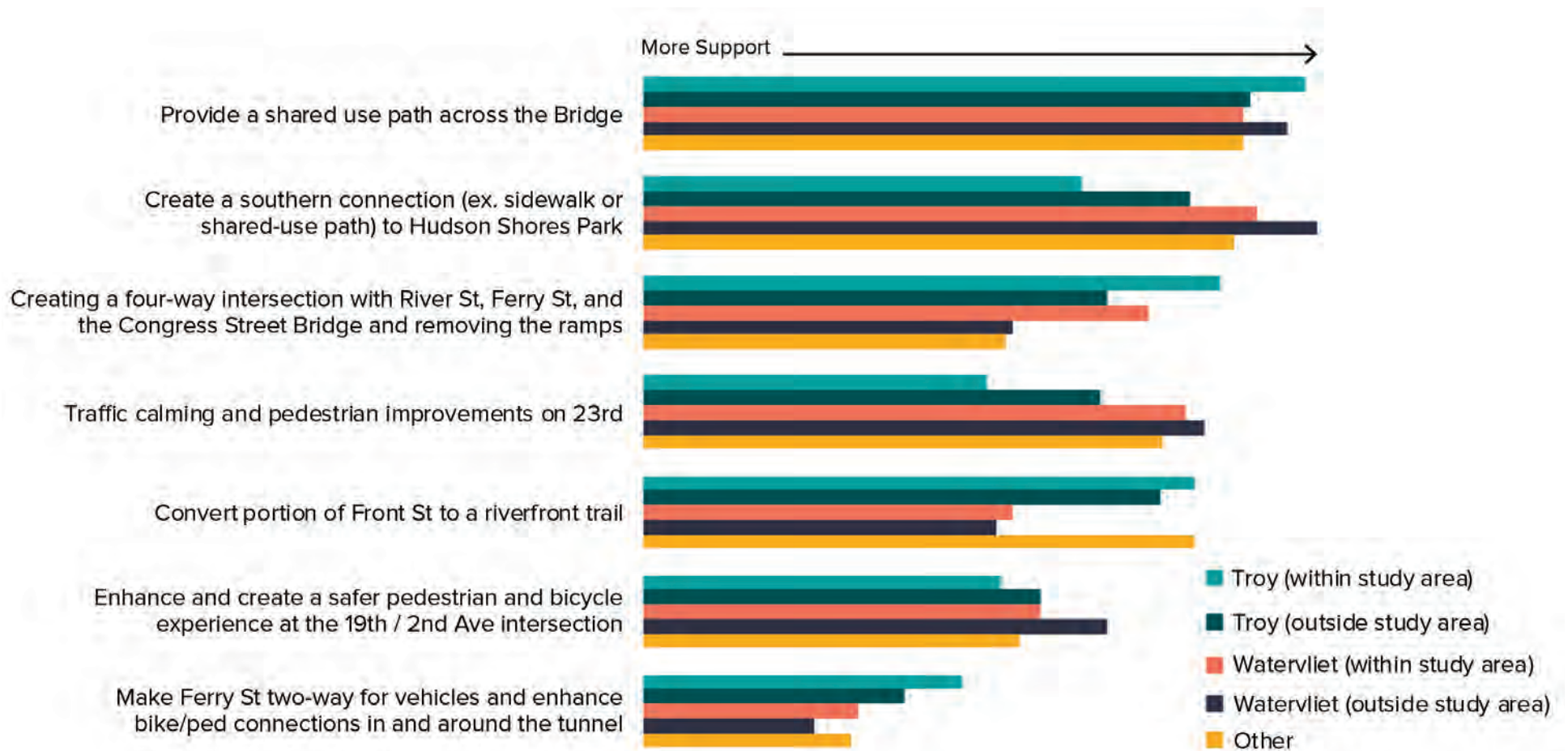
Why do you choose not to walk or bike within the study area?



Which improvements would you like to see the most?



Which projects are most important to you?



Priority Projects

Shared-Use Path on Congress Street Bridge

Connect River Street and Remove Ramps

19th Street and 2nd Ave Intersection Improvements

Convert Front Street to a Trail

Southern Connection to Hudson Shores Park

Traffic Calming on 23rd Street (2nd Ave to Hudson Shores Park)



Priority Projects



CONGRESS STREET BRIDGE SHARED USE PATH

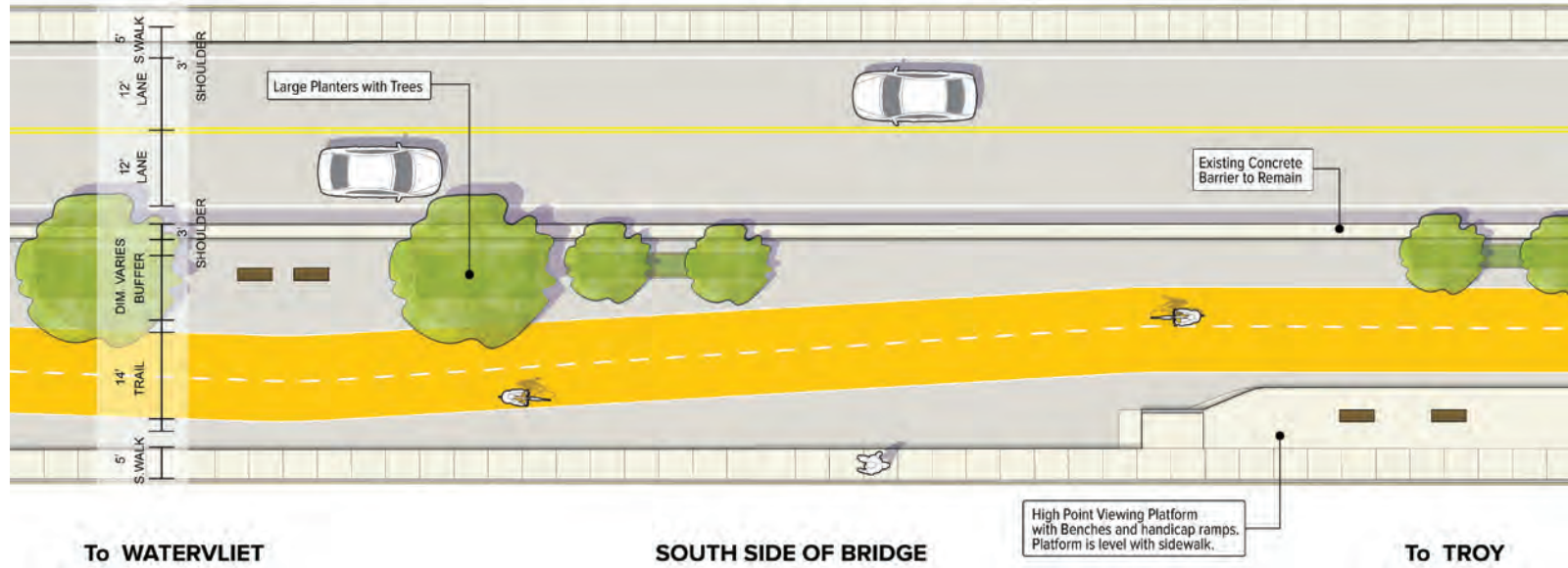
<i>Project Type</i>	<i>Bridge Reconfiguration / Shared Use Path</i>
<i>Estimated Cost*</i>	<i>Phase 1 - \$0.9M / \$2.3M</i>
<i>Involved Entities</i>	<i>NYSDOT, City of Watervliet, City of Troy</i>



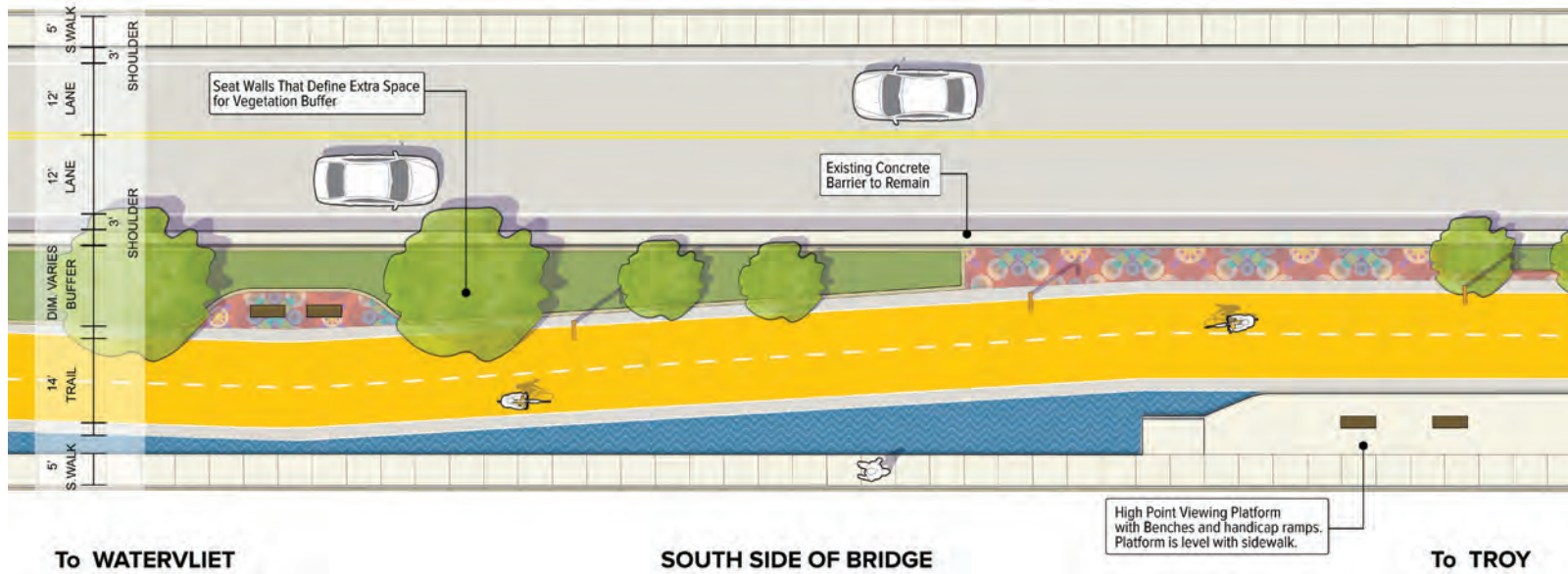
Goals of project:

- Provide a comfortable and inviting pedestrian and bicycle path
- Reduce vehicular speeds across the bridge
- Create a gateway connecting the two communities

CONGRESS STREET BRIDGE - PHASE 1



CONGRESS STREET BRIDGE - PHASE 2





RIVER STREET CONNECTION

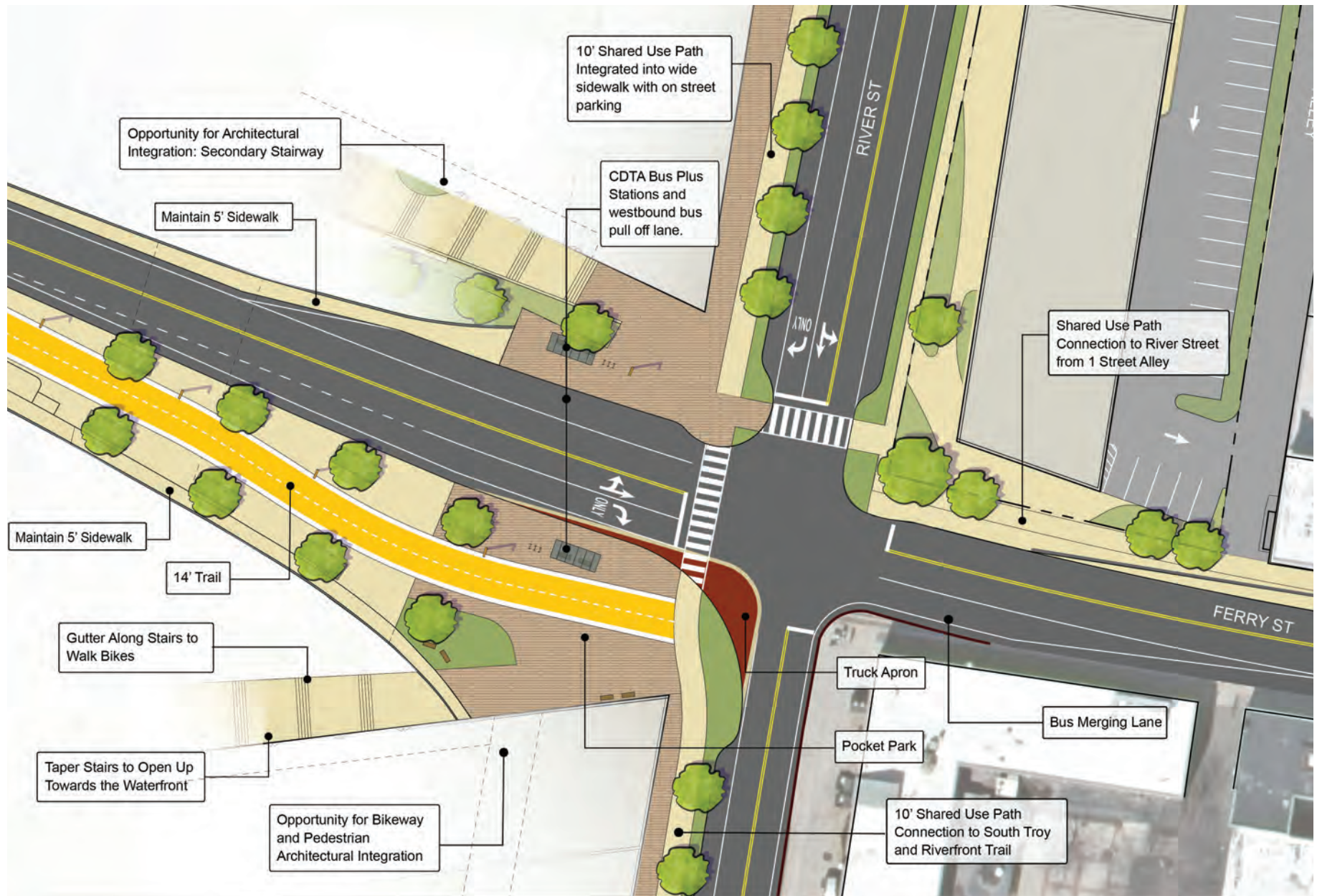
<i>Project Type</i>	<i>Intersection Reconfiguration</i>
<i>Estimated Cost*</i>	<i>\$4.6M</i>
<i>Involved Entities</i>	<i>City of Troy, NYSDOT, CDTA, Troy Housing Authority, Sage College</i>



Goals of project:

- Provide a direct connection to the bridge (pulling traffic from Front St), allowing more direct access between south Troy and downtown
- Allowing more direct access between south Troy and downtown
- Enhancing bicycle and pedestrian connectivity to and from Congress Street
- Providing better circulation and street frontage for the Taylor Apartments redevelopment

Priority Projects





19TH STREET / 2ND AVENUE INTERSECTION

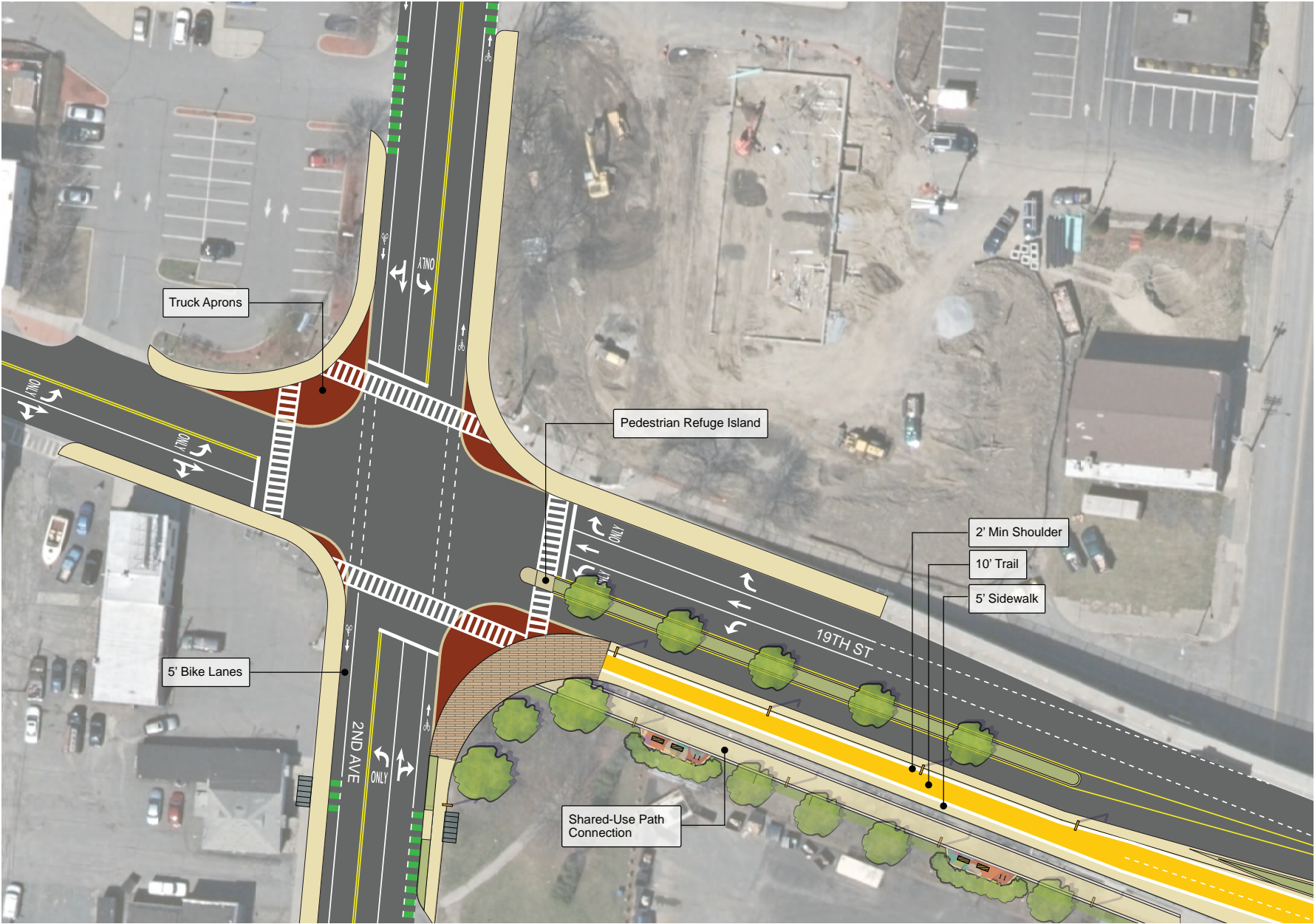
<i>Project Type</i>	<i>Intersection Reconfiguration</i>
<i>Estimated Cost*</i>	<i>\$2.1M</i>
<i>Involved Entities</i>	<i>City of Watervliet, NYSDOT</i>



Goals of project:

- Provide safer pedestrian accommodations that will allow for pedestrians to feel more comfortable navigating the intersection
- Provide a source of traffic calming





FRONT STREET TRAIL CONVERSION

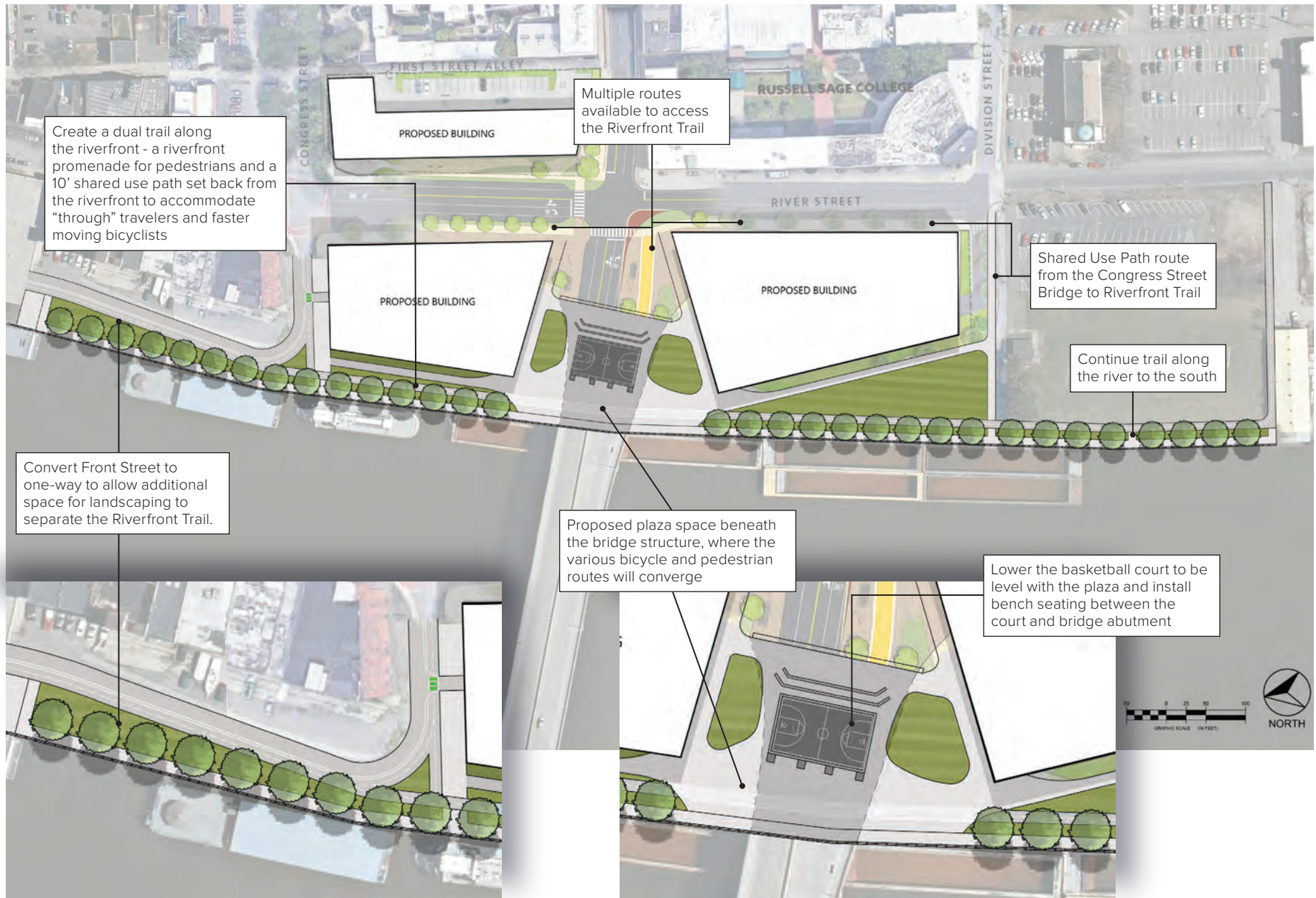
<i>Project Type</i>	<i>Riverfront Shared Use Path</i>
<i>Estimated Cost*</i>	<i>\$1.7M</i>
<i>Involved Entities</i>	<i>City of Troy, Troy Housing Authority</i>



Goals of project:

- Allow for the future development of a waterfront park and a continuation of the Troy waterfront trail
- Provide a flexible space for activities and events, a reconstructed basketball court with stadium seating, and improved connectivity with the Hudson Waterfront

Priority Projects





SOUTHERN CONNECTION TO HUDSON SHORES PARK

<i>Project Type</i>	<i>Pedestrian / Bicycle Facilities</i>
<i>Estimated Cost*</i>	<i>\$2.6M to \$5.4M**</i>
<i>Involved Entities</i>	<i>NYSDOT, FHWA, City of Watervliet</i>

*Cost includes 30% contingency, engineering, and inspection

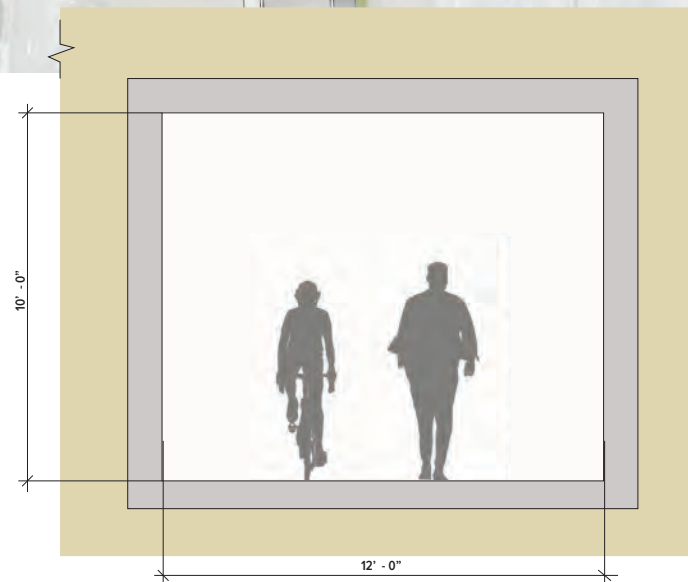
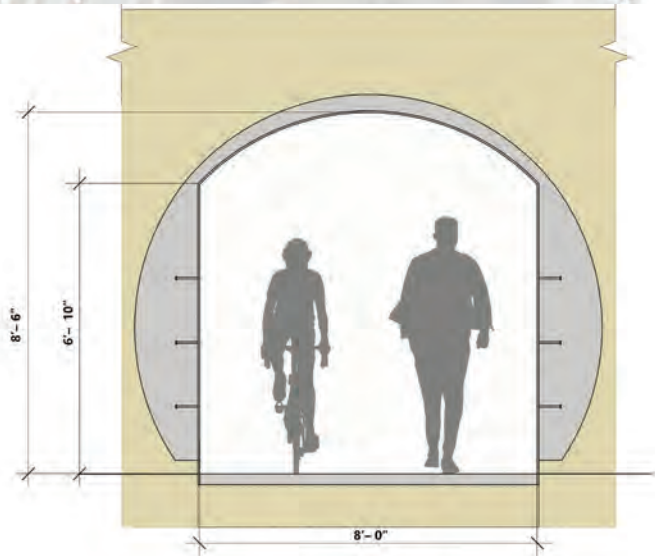
**Dependent on the type of tunnel installed and method of installation



Goals of project:

- Provide a safe southern connection from the City of Watervliet to Hudson Shores Park

Priority Projects



Overlook area over the Hudson River and a southern entrance to the park



23RD STREET IMPROVEMENTS

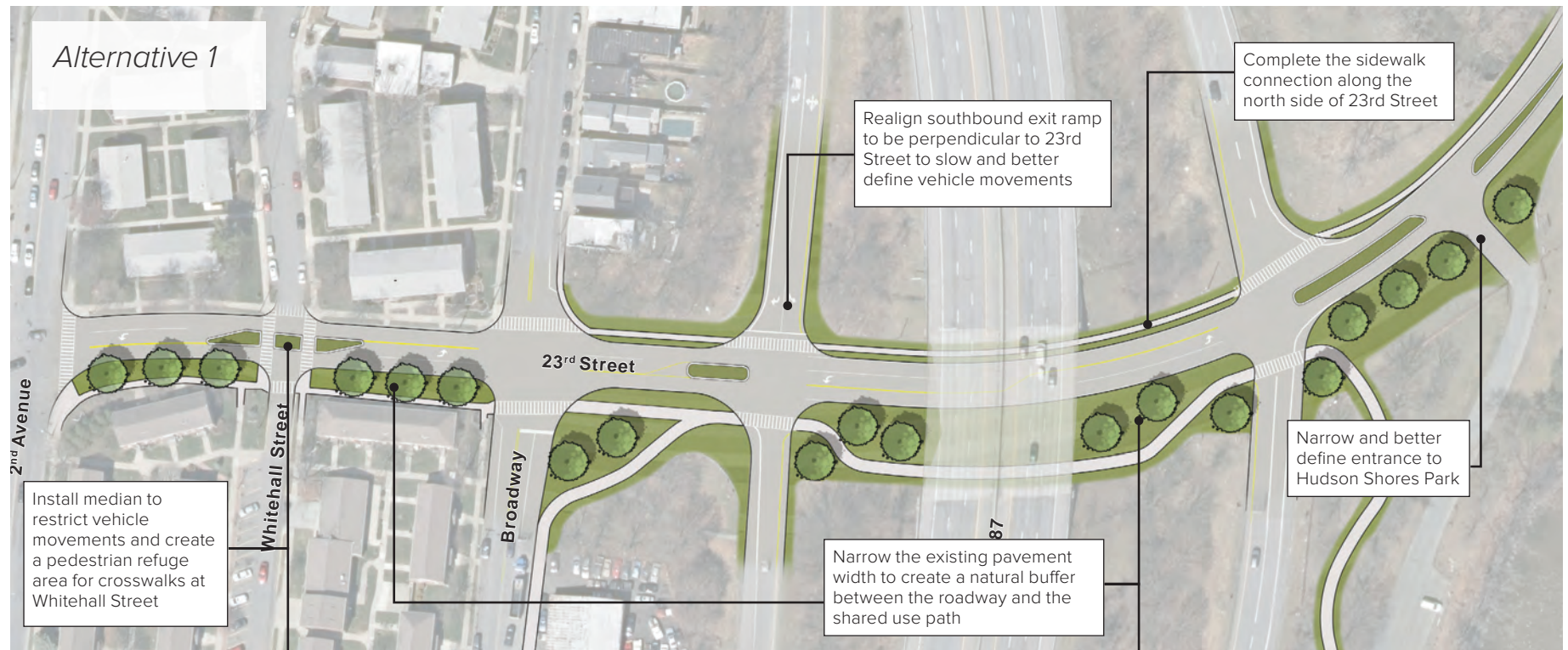
<i>Project Type</i>	<i>Traffic Calming</i>
<i>Estimated Cost</i>	<i>\$5.5M</i>
<i>Involved Entities</i>	<i>City of Watervliet, NYSDOT, FHWA</i>



Goals of project:

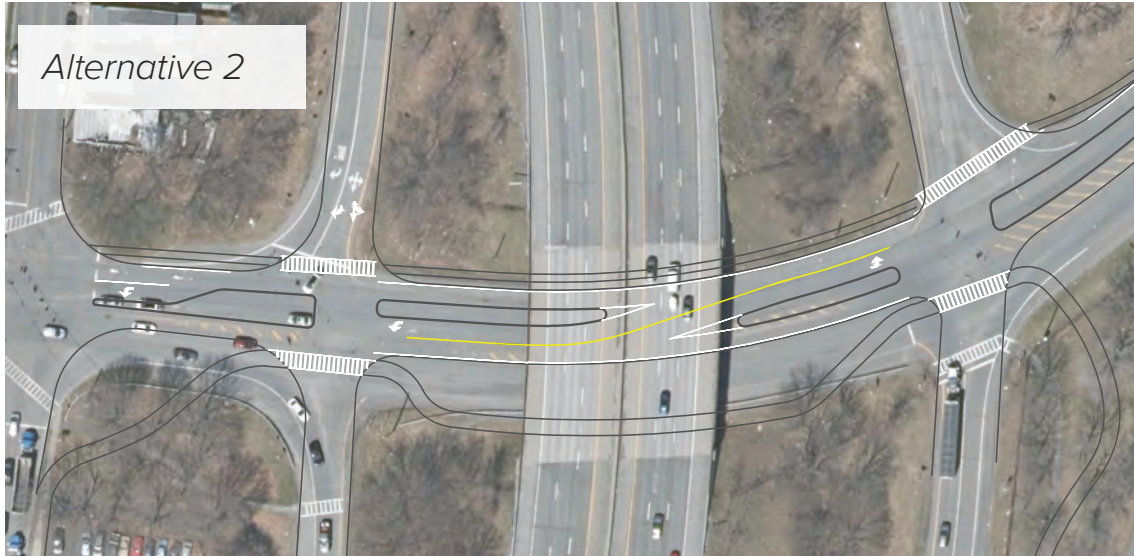
- Reduce the amount of pavement space
- Clarify turning movements
- Shorten crosswalks
- Enhance comfort of bicyclists and pedestrians within the corridor
- Enhance the entrance to Hudson River Shores Park
- Calm traffic and reduce vehicle speeds

Priority Projects

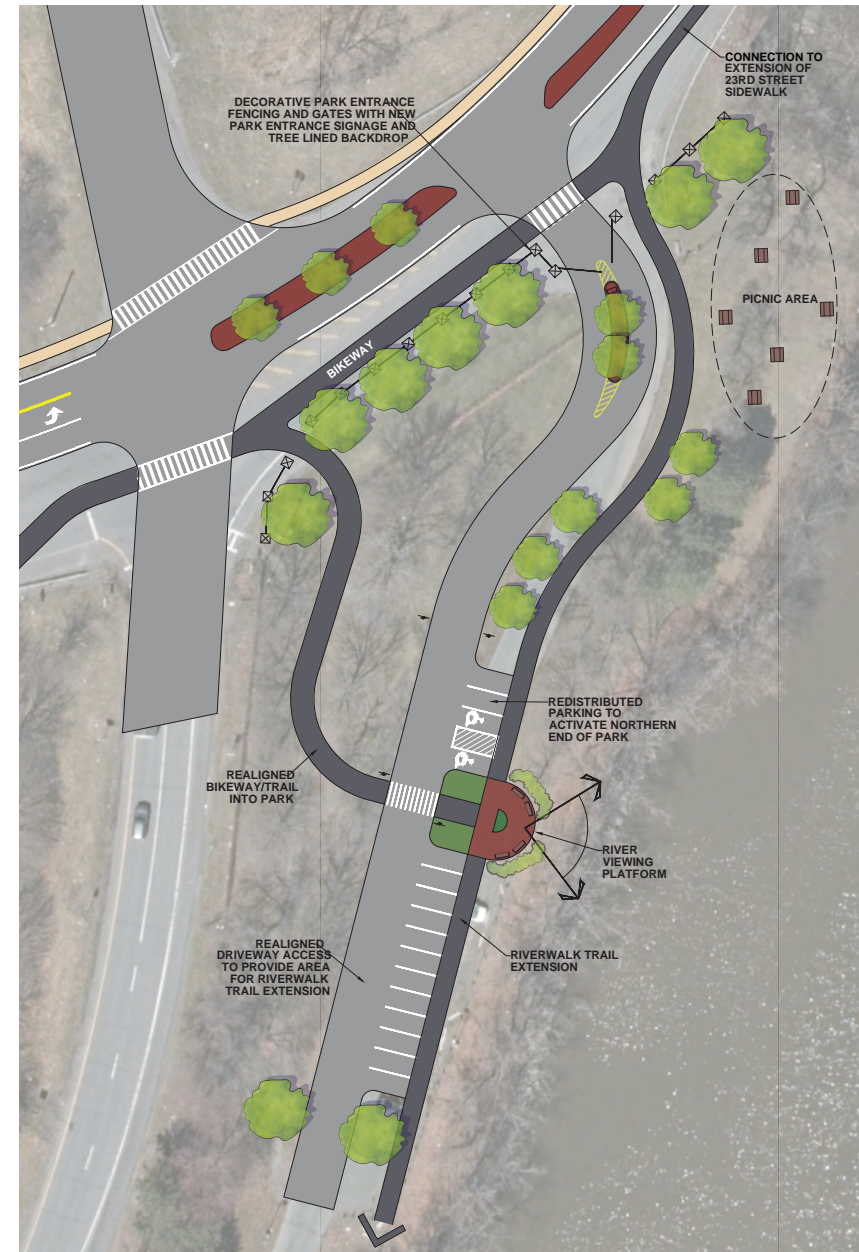
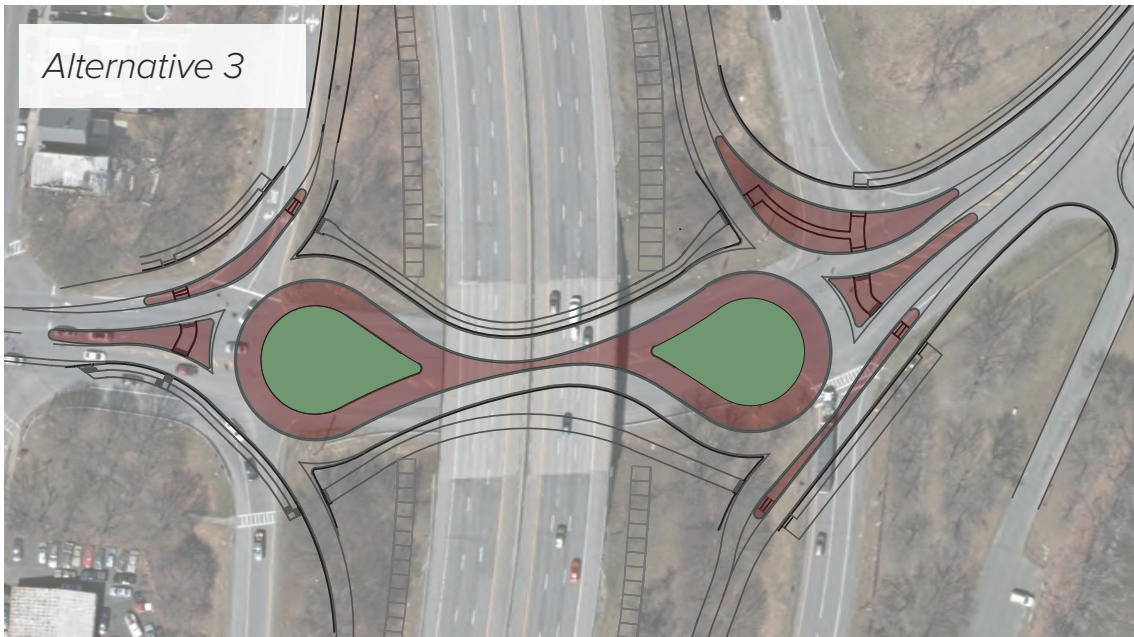


Priority Projects

Alternative 2



Alternative 3



General Recommendations

Watervliet and Troy

- **Loop Trail (Watervliet/Troy)**

Watervliet

- **Congress Street Bridge to Broadway Connection**
- **2nd Avenue Improvements and Urban Roundabouts**
- **16th Street / 5th Avenue Improvements**
- **21st Street Improvements**
- **23rd Street Improvements**
- **5th Avenue Improvements**
- **Amenities**

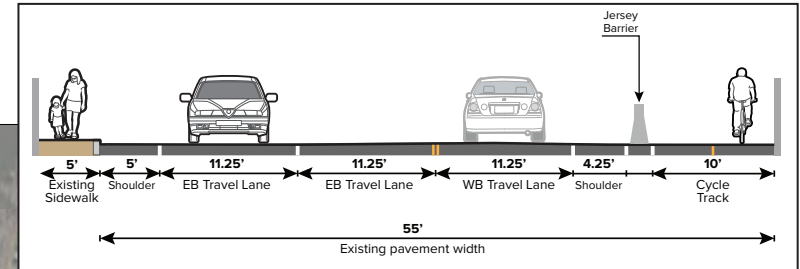
Troy

- **3rd and 4th Street Protected Bike Lanes**
- **Ferry and Congress Street Improvements**
- **River Street Conversion**
- **Franklin and Church Street Walkway**
- **Ferry Street Pedestrian Improvements**
- **Amenities**

LOOP TRAIL

Recommendation

Create a 2.5 mile loop trail between Watervliet, Green Island, and Troy



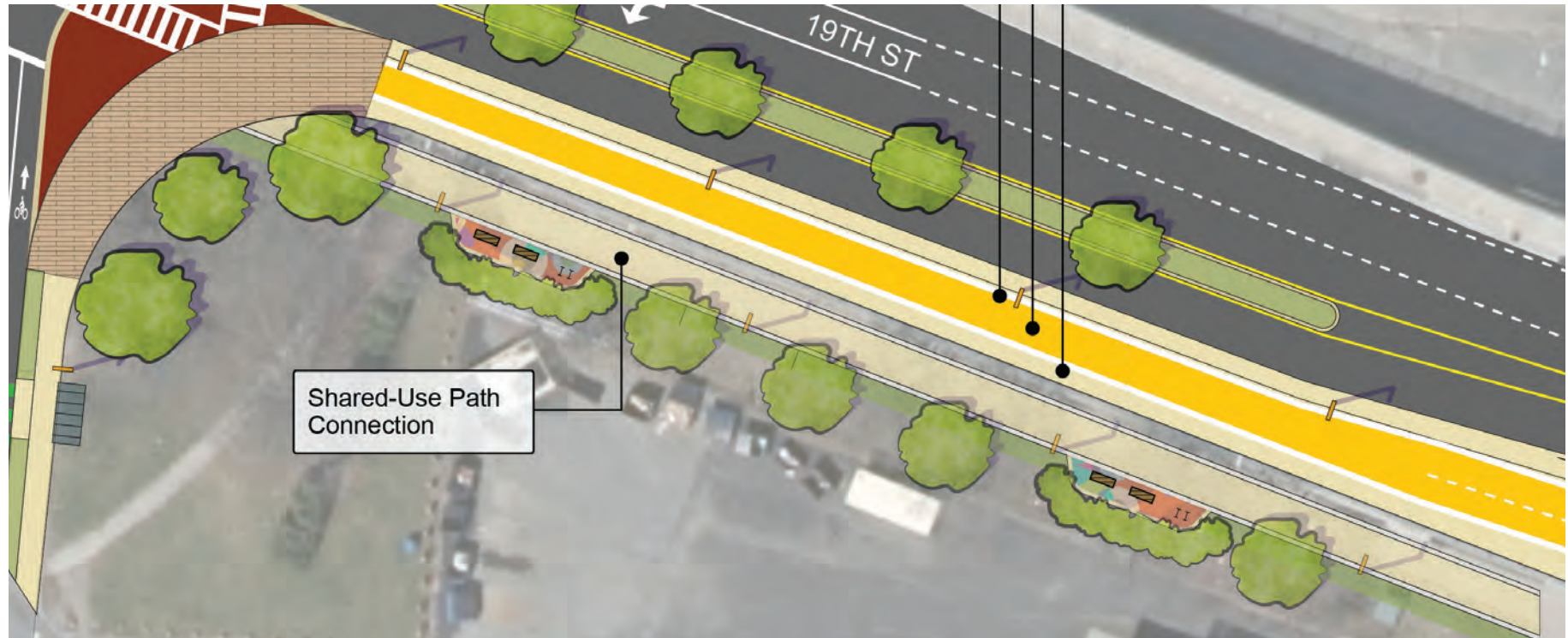
General Recommendations - Watervliet



W.A CONGRESS STREET BRIDGE TO BROADWAY CONNECTION

Recommendation

Shared Use Path and
Landscape improvements



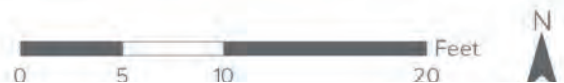
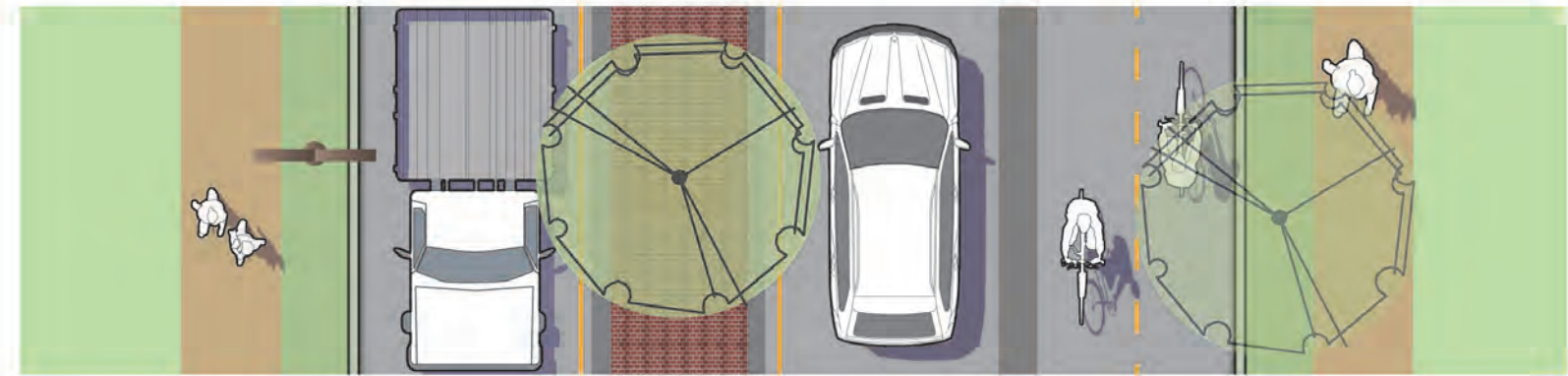
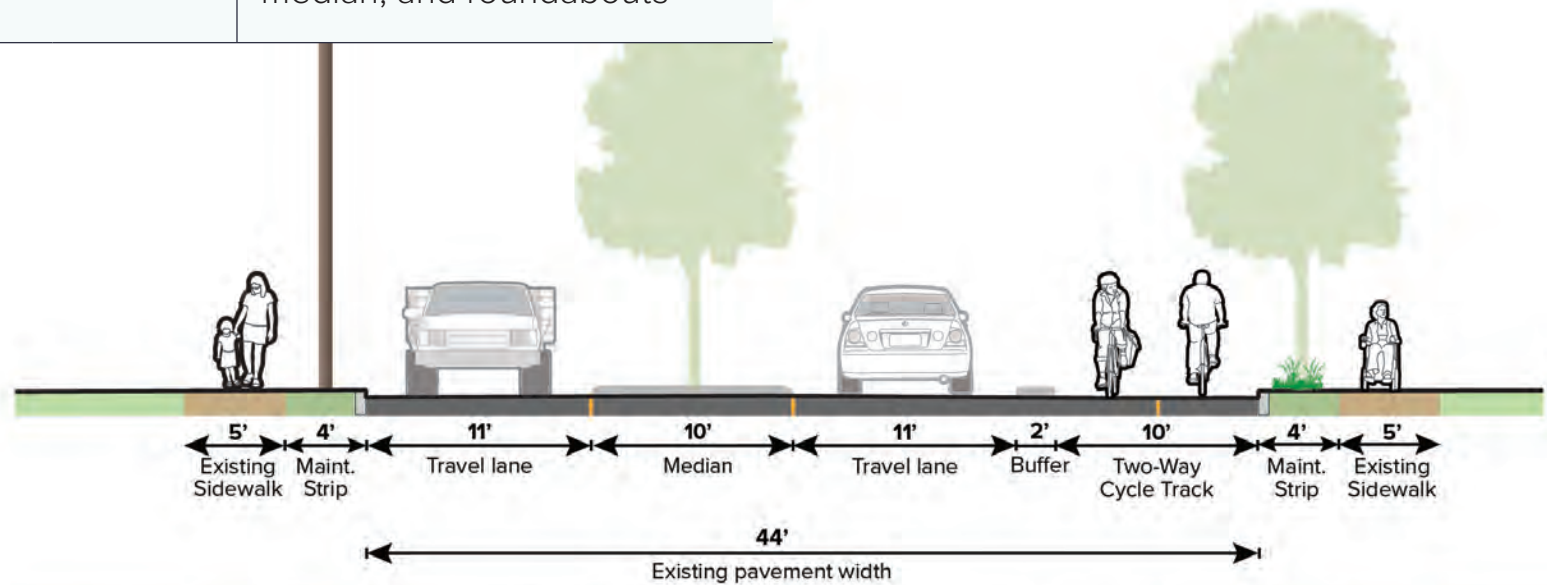
W.B 2ND AVENUE IMPROVEMENTS AND URBAN ROUNDABOUTS

<i>Recommendation</i>	Two-way cycle track, center median, and roundabouts
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W.B 2ND AVENUE IMPROVEMENTS AND URBAN ROUNDABOUTS

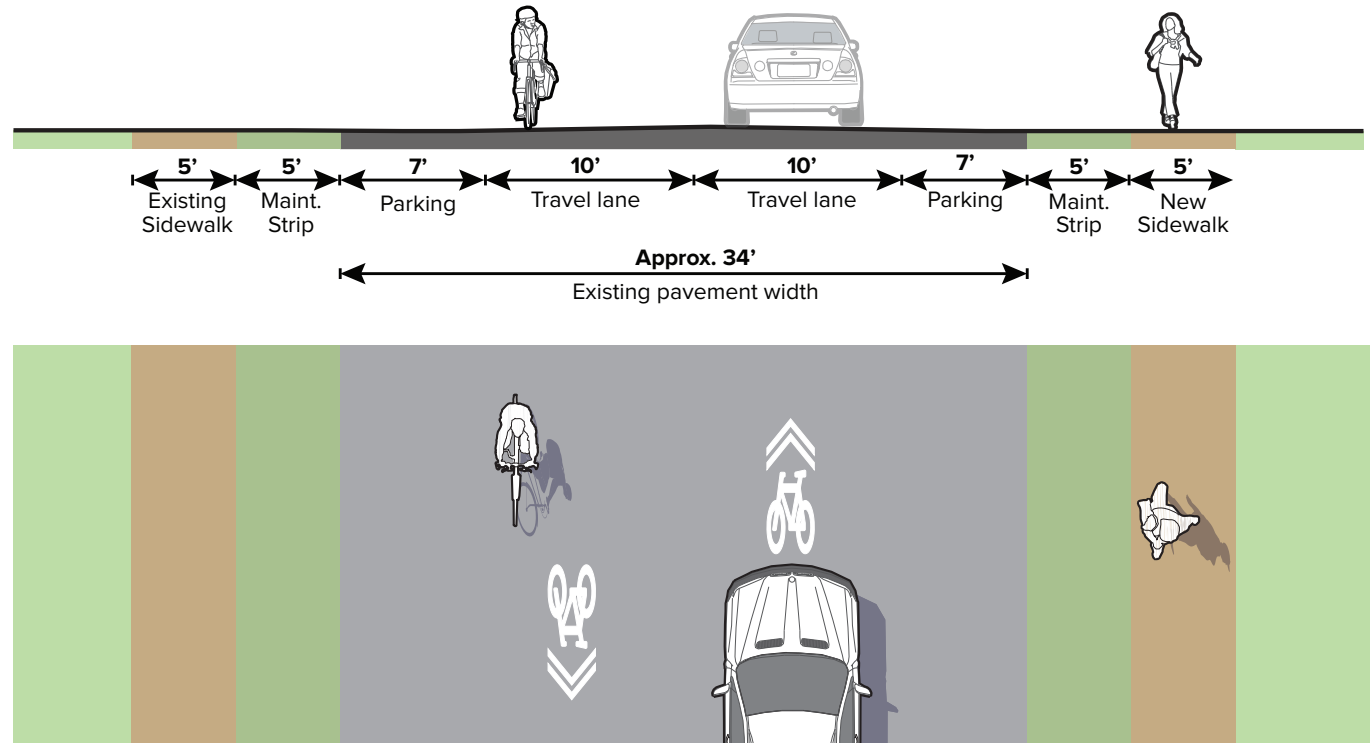
<i>Recommendation</i>	Two-way cycle track, center median, and roundabouts
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Cross-section of 2nd Avenue two-way cycle track and center median

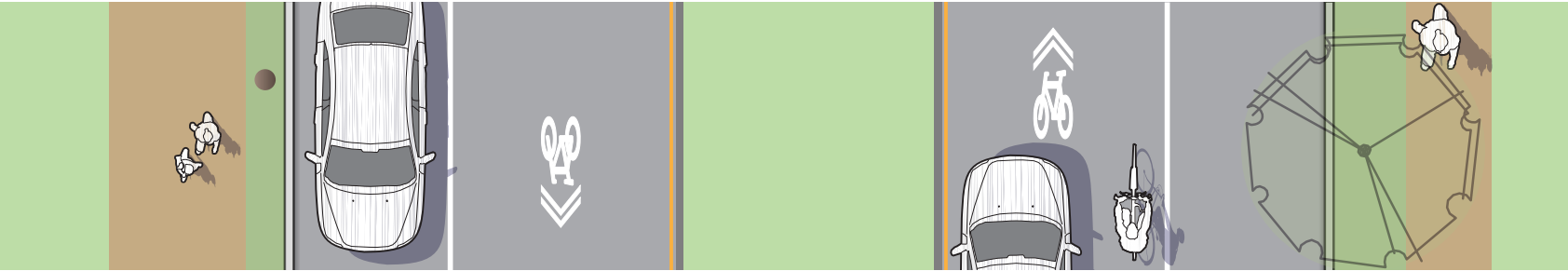
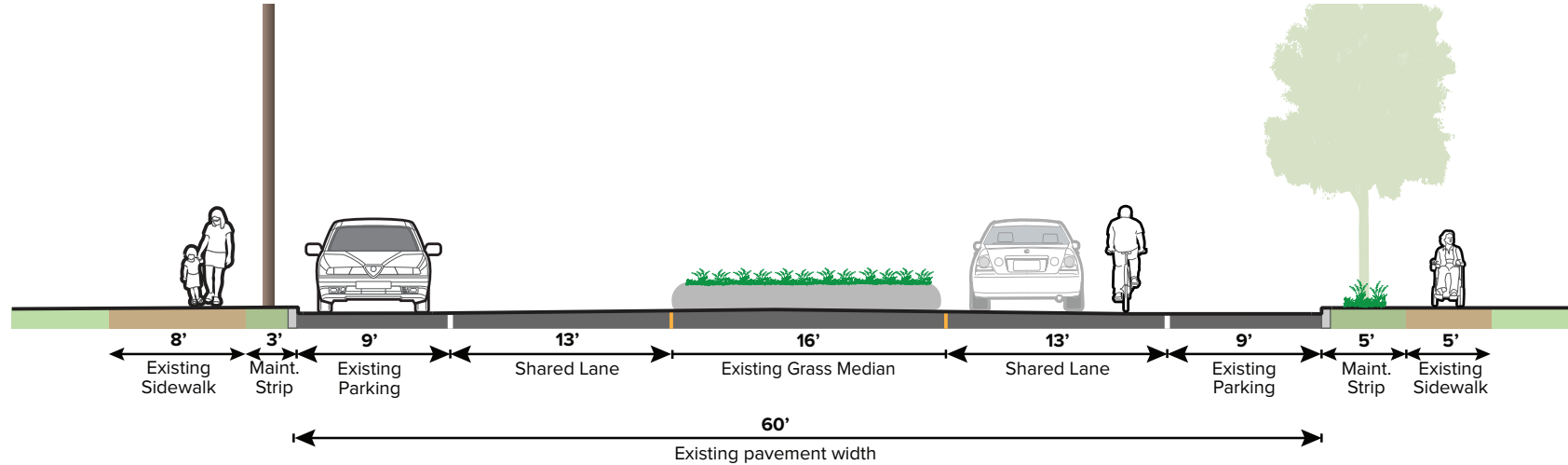
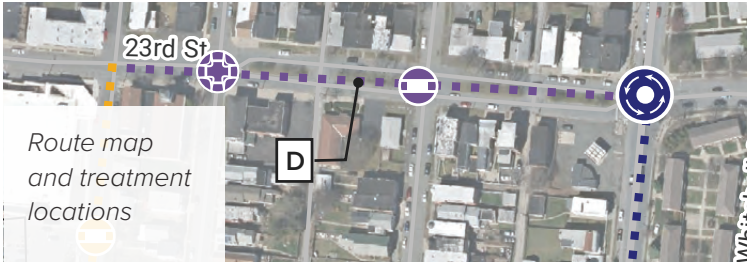
W.C 21ST STREET IMPROVEMENTS

<i>Recommendation</i>	Bicycle Boulevard
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Cross section of 21st Street improvements

W.D 23ST STREET IMPROVEMENTS	
Recommendation	Bicycle Boulevard

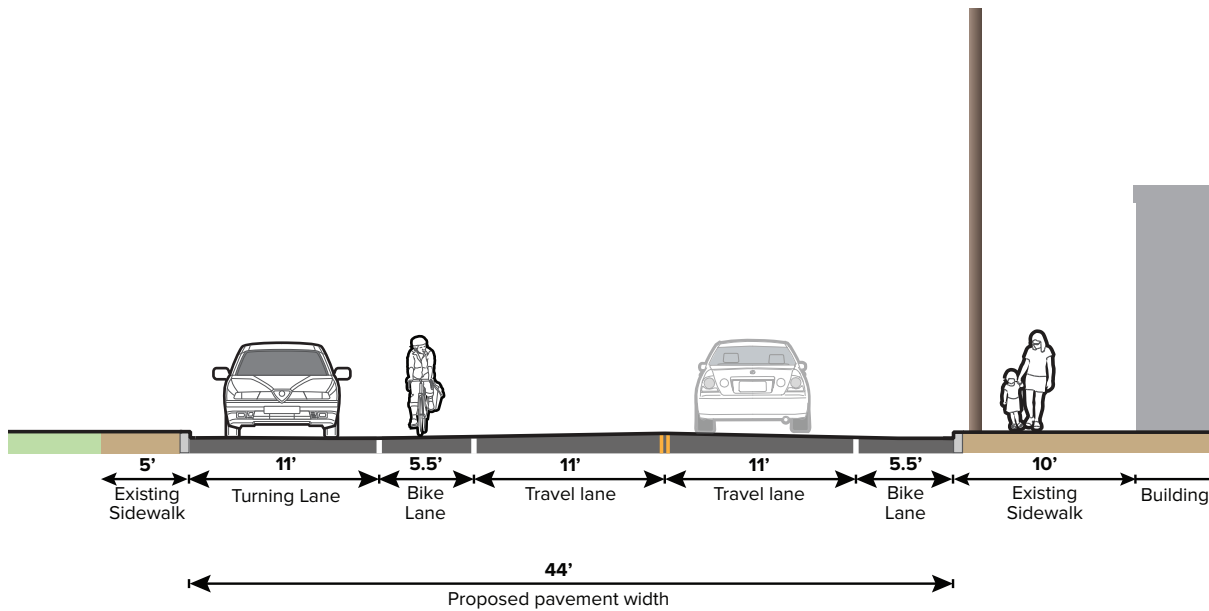


Cross section of 23st Street improvements

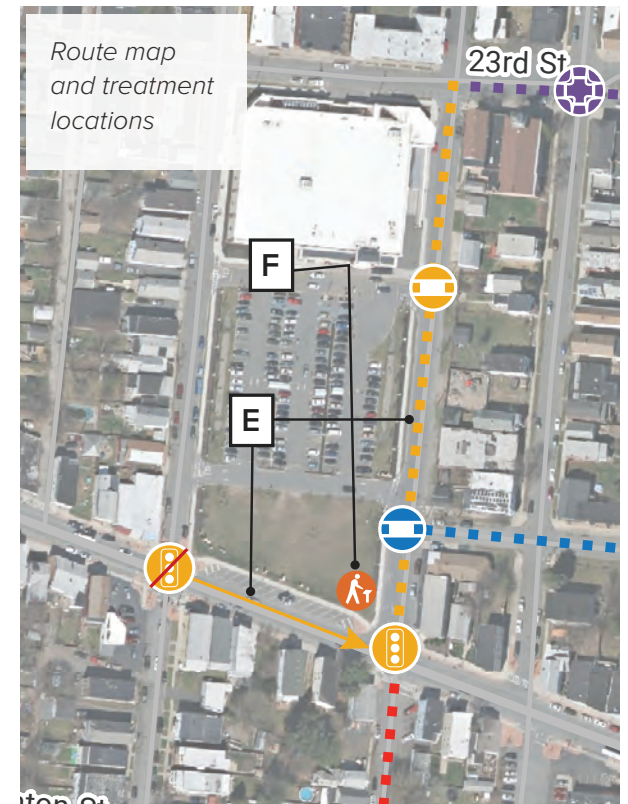
W.E 5TH AVENUE IMPROVEMENTS

Recommendation

Bike lanes, crosswalks, and signalization



Cross section of 5th Street improvements



W.F AMENITIES

Recommendation

Install bike racks, fix-it stations, and benches



W.G 16TH STREET / 5TH AVENUE IMPROVEMENTS

<i>Recommendation</i>	Bicycle Boulevard
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Example of curb bump outs with minimal cost



Route map
Potential future connection and treatment to Watervliet High School locations

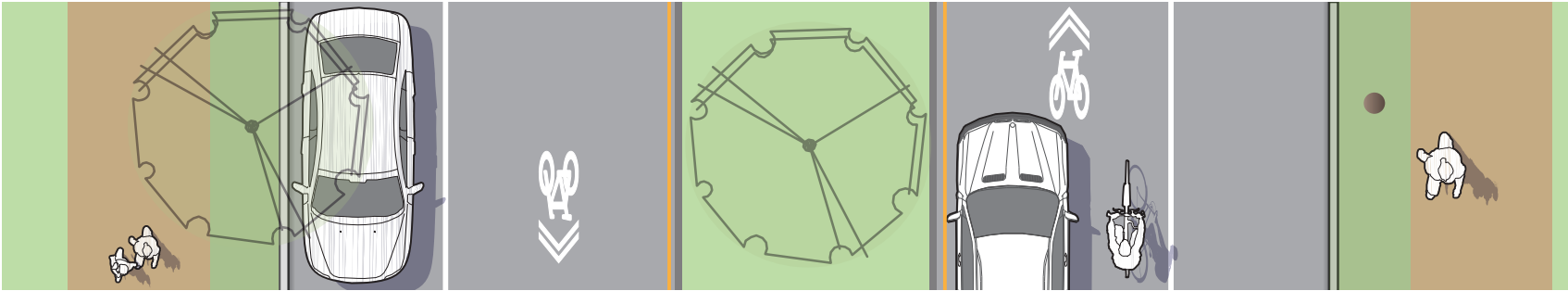
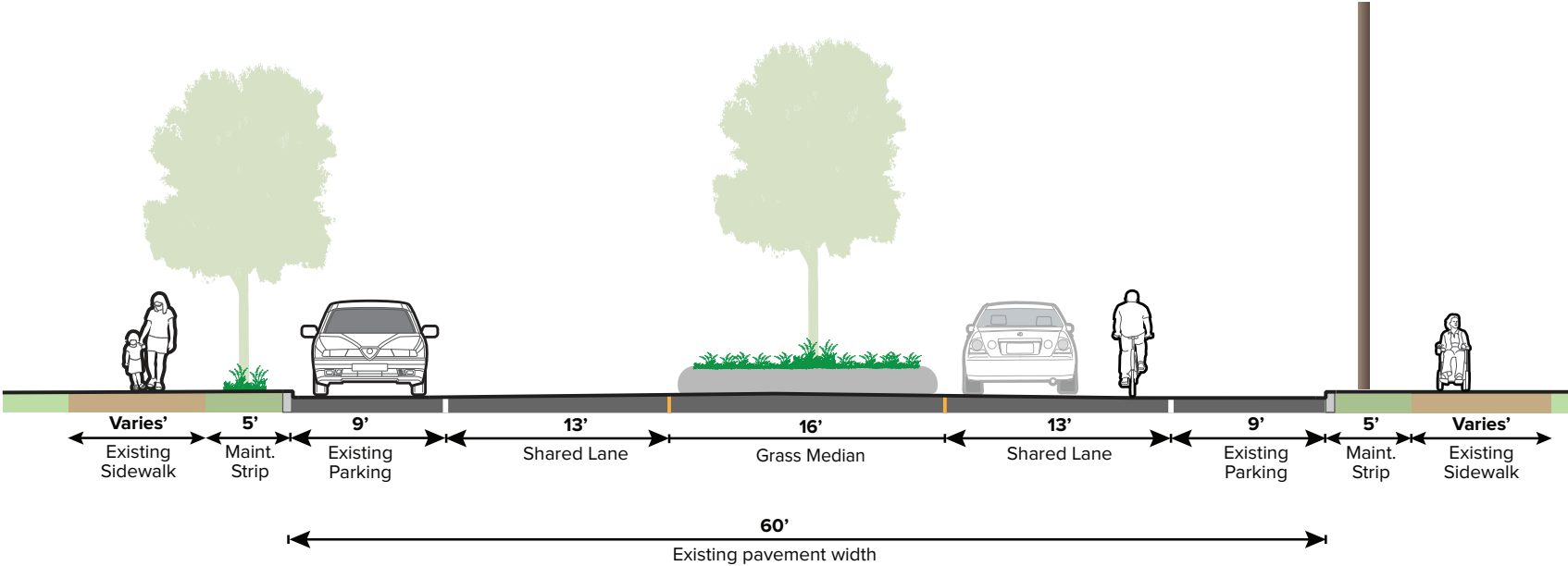


Example of sharrows that can be added to bike boulevards



Example of an neighborhood traffic circle

W.G 16TH STREET / 5TH AVENUE IMPROVEMENTS	
Recommendation	Bicycle Boulevard



Cross section of 16th Street improvements

General Recommendations - Watervliet

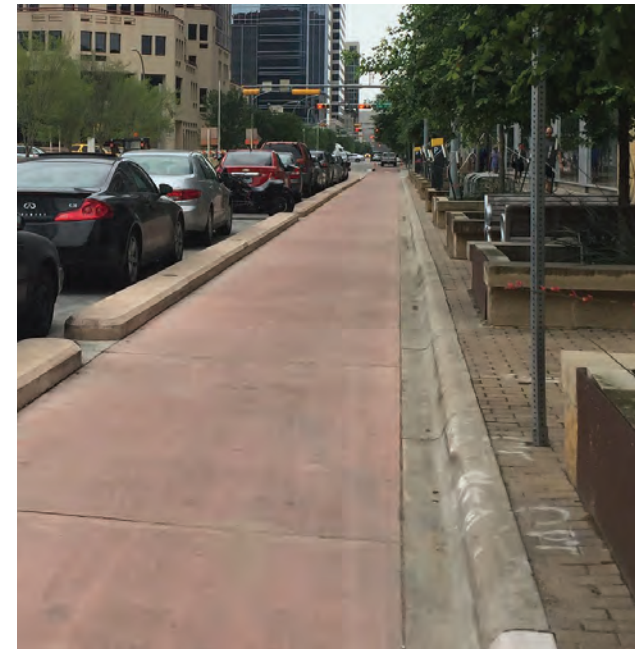
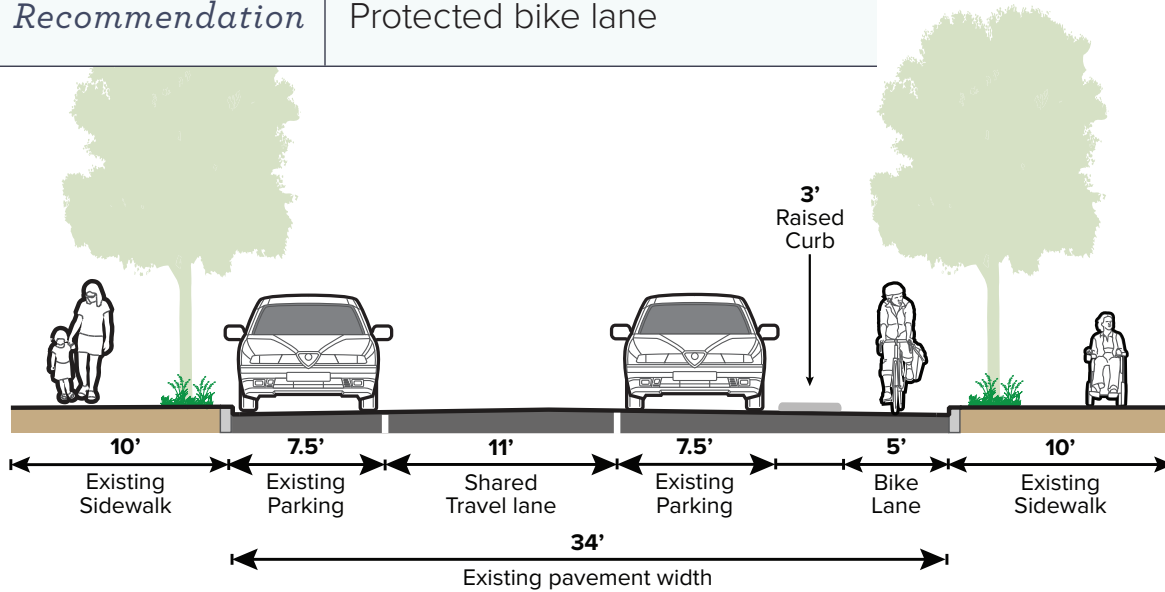


General Recommendations - Troy

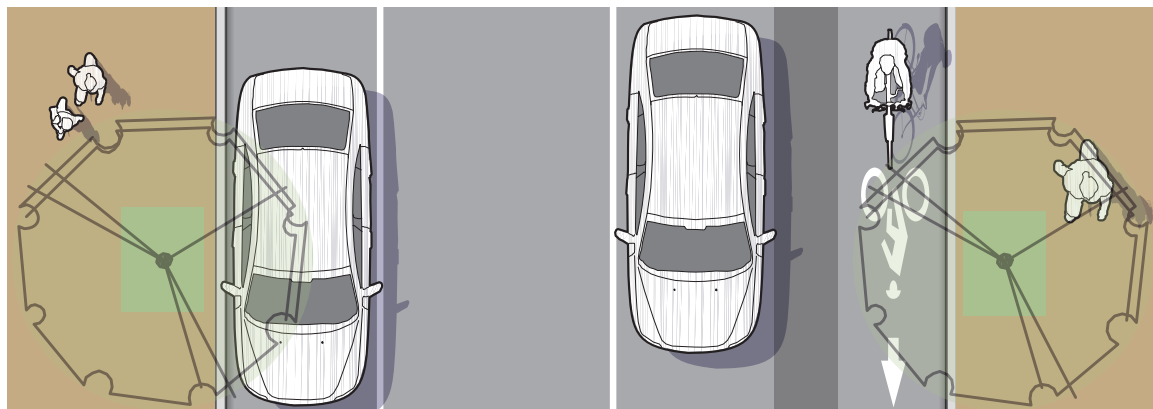


T.A 3RD / 4TH STREET PROTECTED BIKE LANES

Recommendation Protected bike lane



Example one-way protected bike lane with raised median between the bike lane and on-street parking

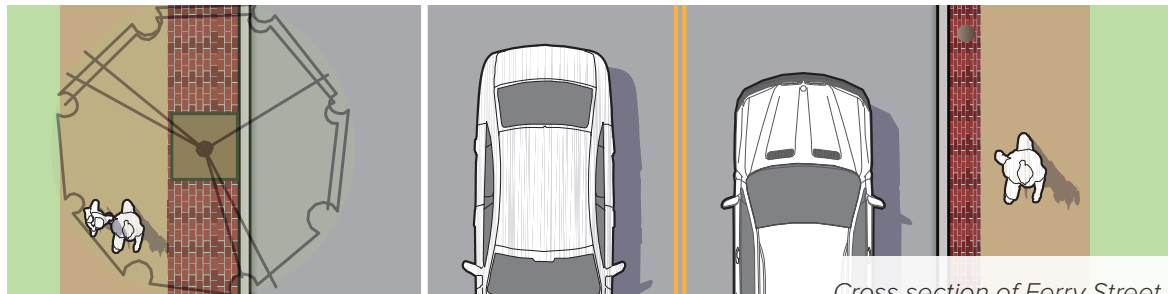
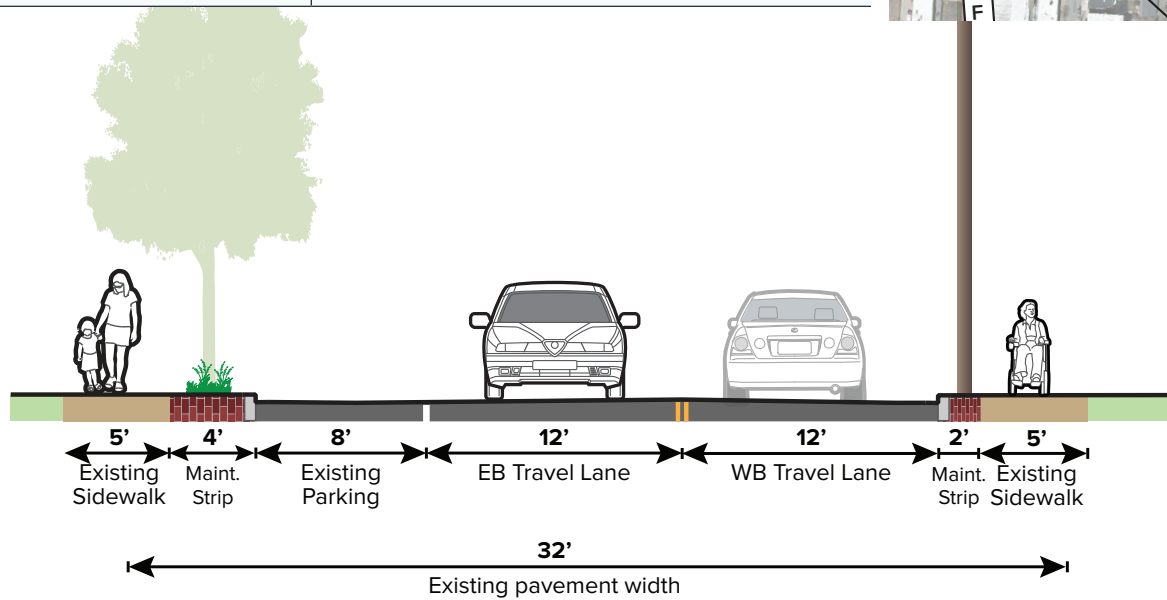
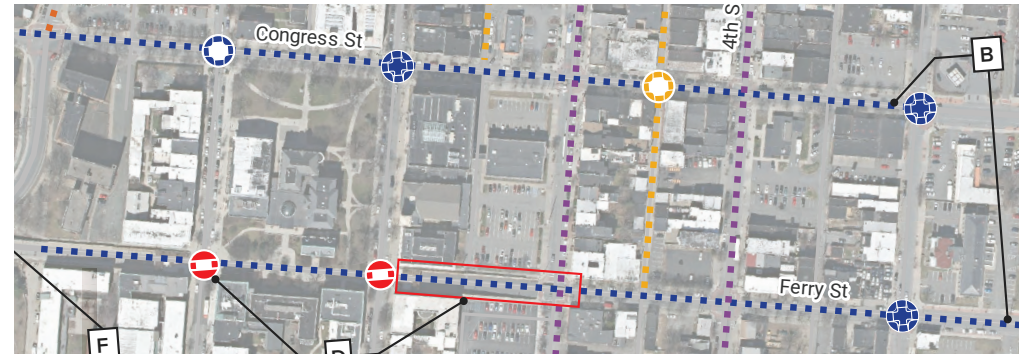


Cross section of 3rd Street improvements

T.B FERRY STREET AND CONGRESS STREET IMPROVEMENTS

Recommendation

Convert Ferry Street to two-way traffic and implement bicycle facilities on Congress Street



Cross section of Ferry Street -
Two way vehicular traffic



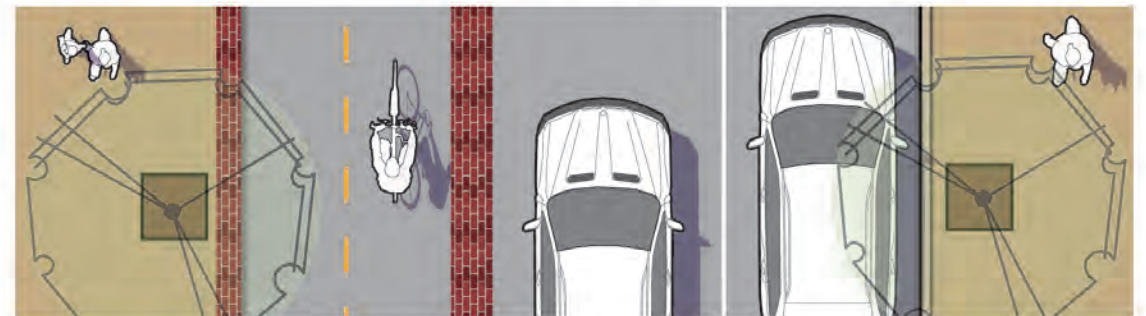
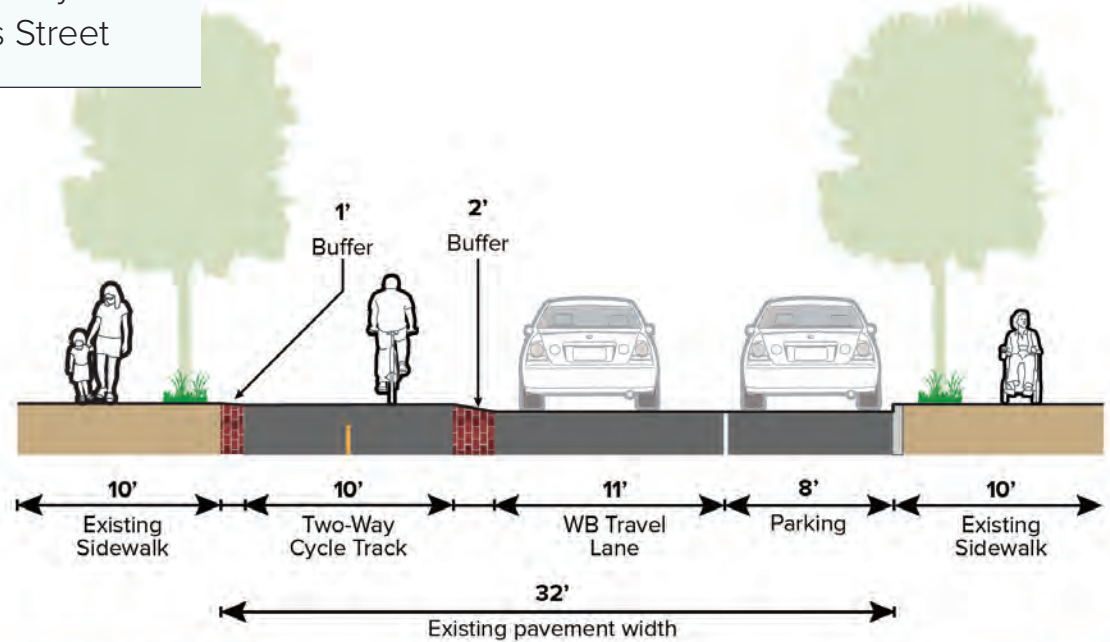
T.B FERRY STREET AND CONGRESS STREET IMPROVEMENTS

Recommendation

Convert Ferry Street to two-way traffic and implement bicycle facilities on Congress Street



Example slow street - common elements include reduction or elimination of curbs and textured or colored surfaces

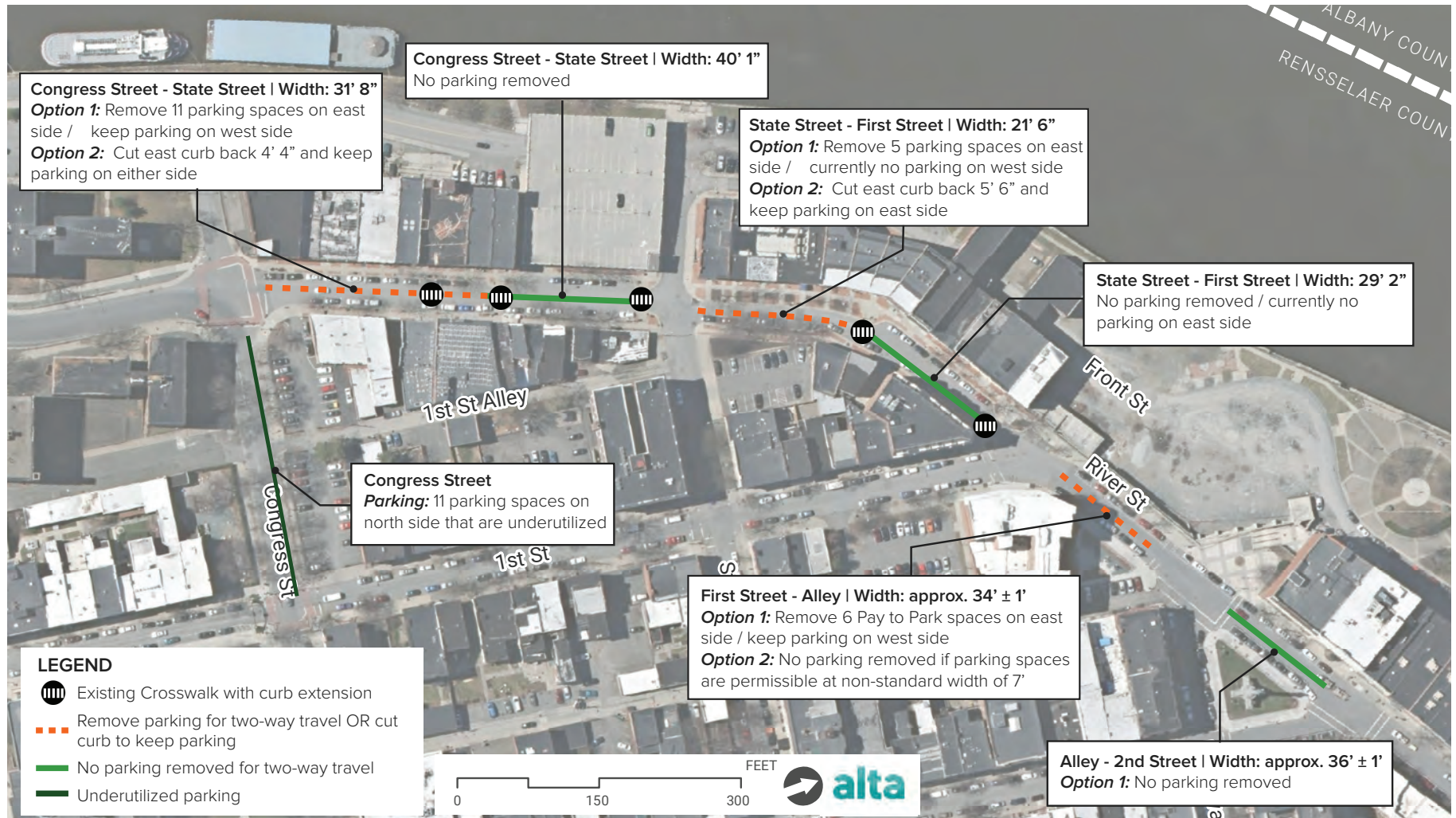


Cross section of Congress Street - slow street with cycle track

T.C RIVER STREET CONVERSION

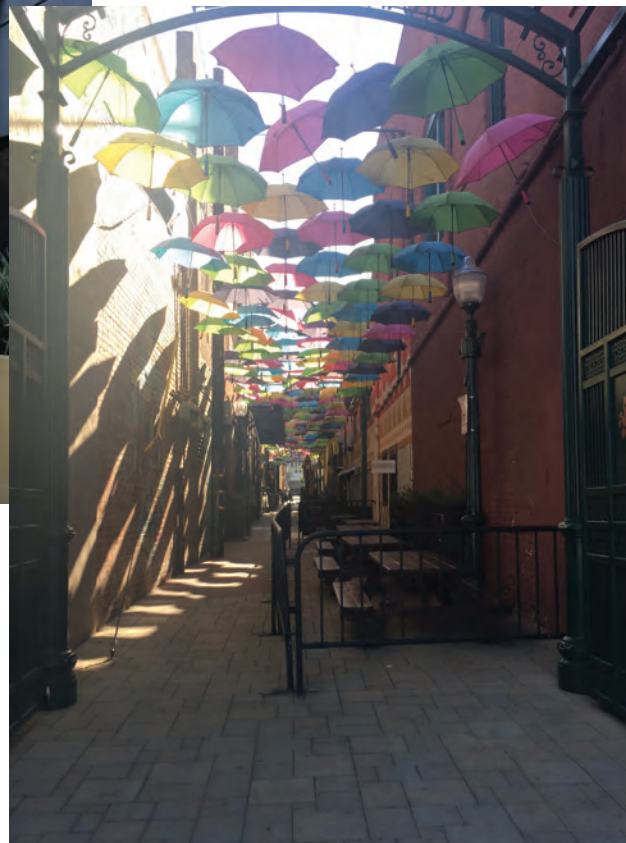
Recommendation

Convert River Street to two-way traffic flow



T.E FRANKLIN AND CHURCH STREET WALKWAY EXTENSION

<i>Recommendation</i>	Roadway surface improvements and raised crosswalks at intersections
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Examples of pedestrian oriented alleys. Artistic elements are commonly used to create an inviting space, as are gateway treatments.



T.D FERRY STREET PEDESTRIAN IMPROVEMENTS

Recommendation

Sidewalk and barrier improvements



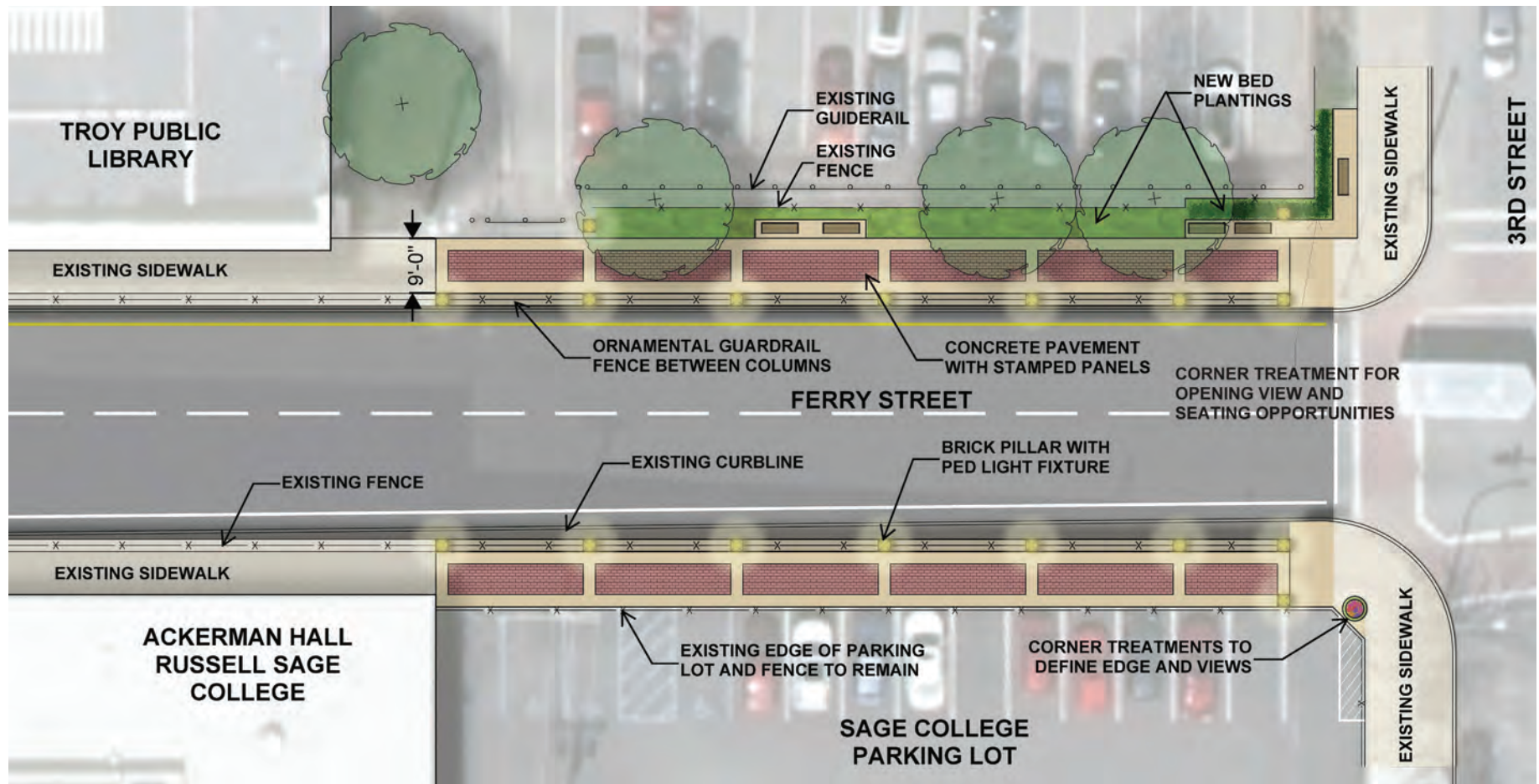
Existing conditions



Proposed recommendation

T.D FERRY STREET PEDESTRIAN IMPROVEMENTS

<i>Recommendation</i>	Sidewalk and barrier improvements
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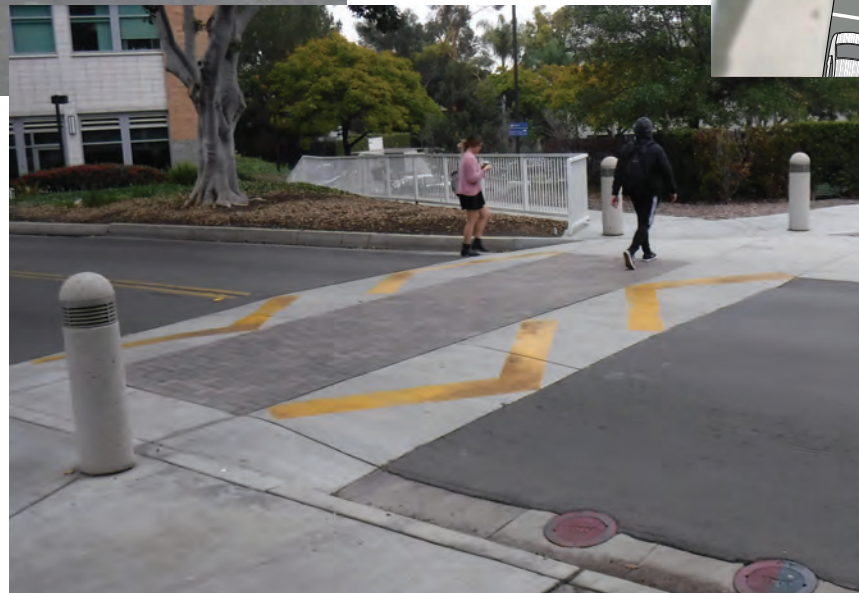
T.D FERRY STREET PEDESTRIAN IMPROVEMENTS (CONTINUED)

Recommendation

Install raised crosswalks to increase pedestrian visibility and provide traffic calming

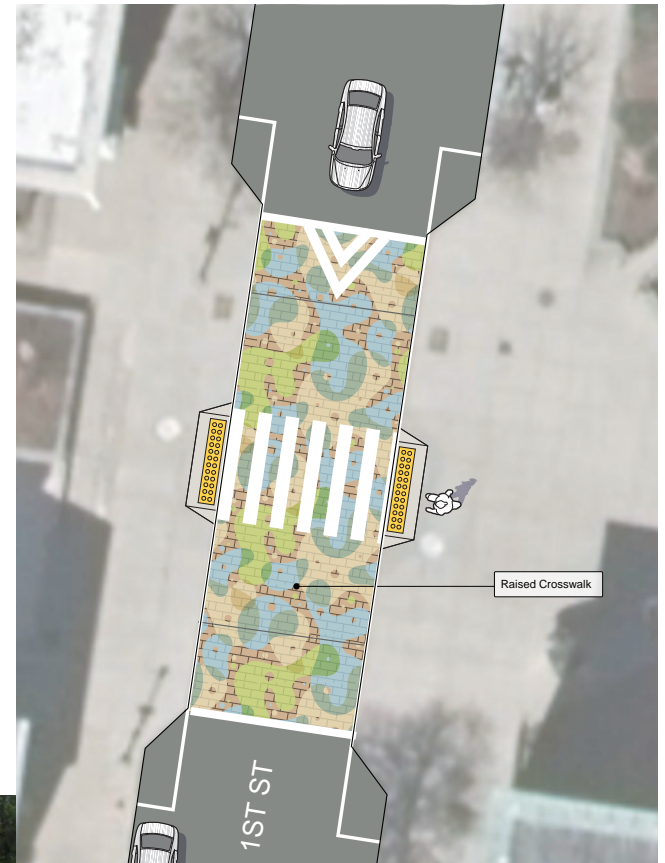


Wide raised crosswalk on the USM campus



Raised crosswalk on the University of California Irvine Campus

Plan view of Sage College campus crosswalks



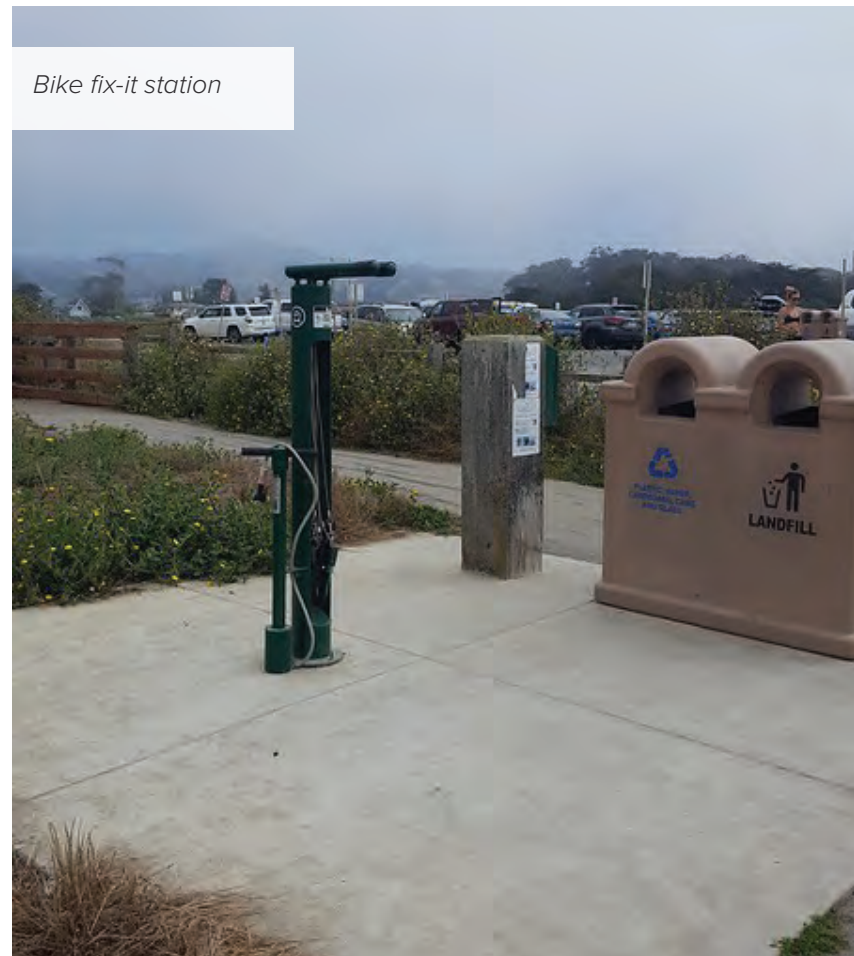
T.F AMENITIES

Recommendation

Install bike racks, fix-it stations, and benches



Bike parking



Bike fix-it station

General Recommendations - Troy



Next Steps

- A. One-week public comment period
(open through March 16th)
- B. Final Study (early April)
- C. Study Adoption (April/May)
- D. Seek funding!

Questions/Comments?



CongressBridge@altago.com



Thank you!

Congress Street Bridge Study

Virtual Public Meeting

MARCH 9, 2021

CongressBridge@altago.com

