



CONGRESS STREET BRIDGE STUDY

CDTC Planning Committee Presentation

NOVEMBER 2, 2021

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Introduction



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

Study Area



Congress Street Bridge Study Area

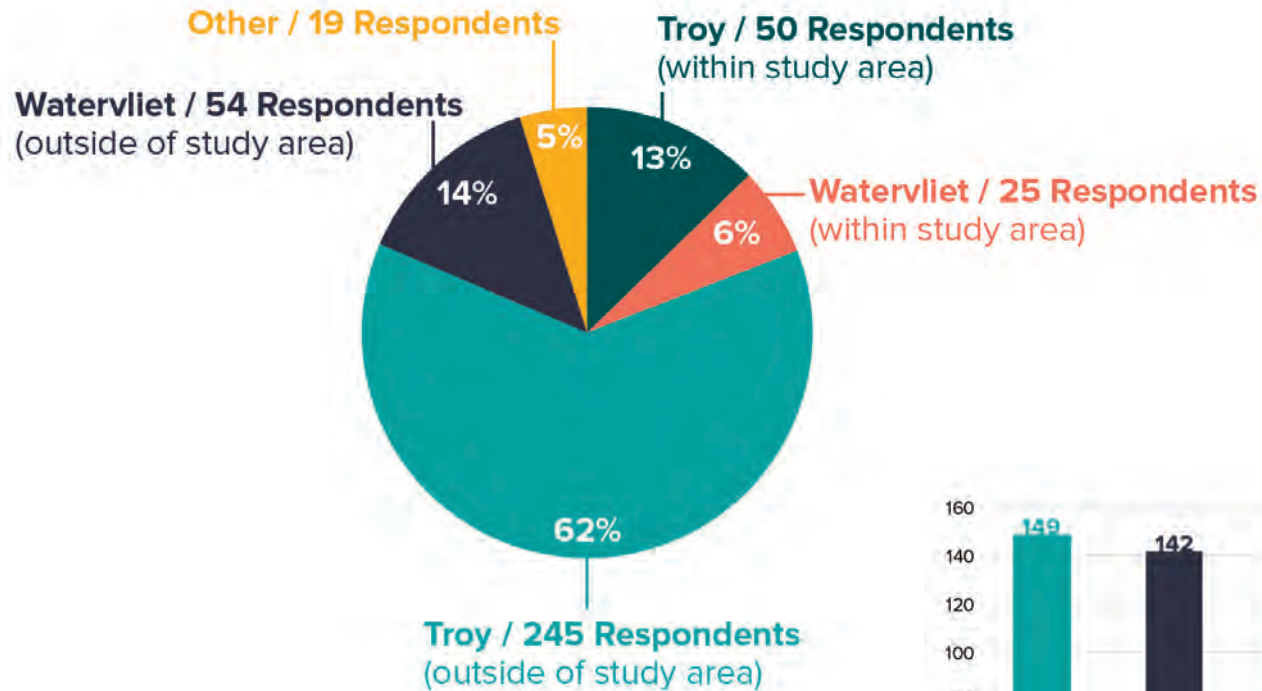
Project Stakeholders



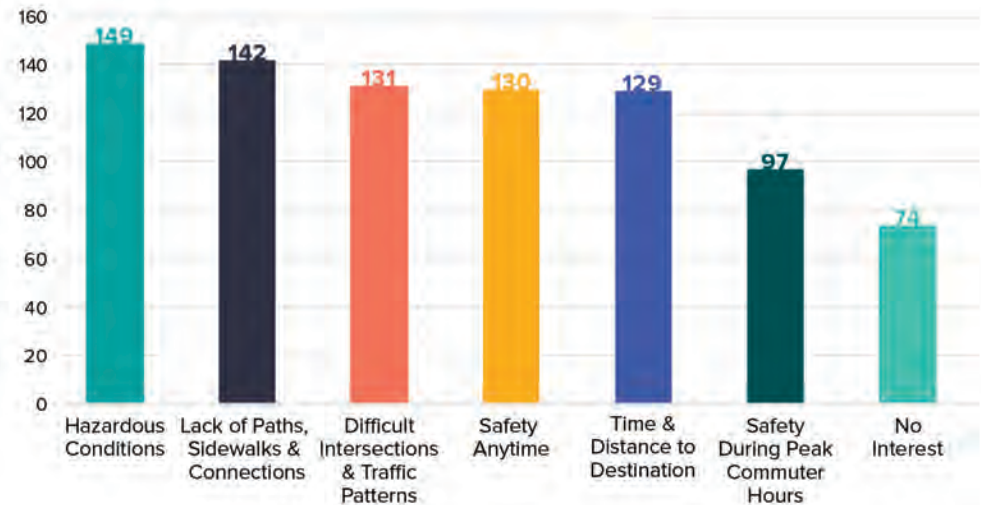
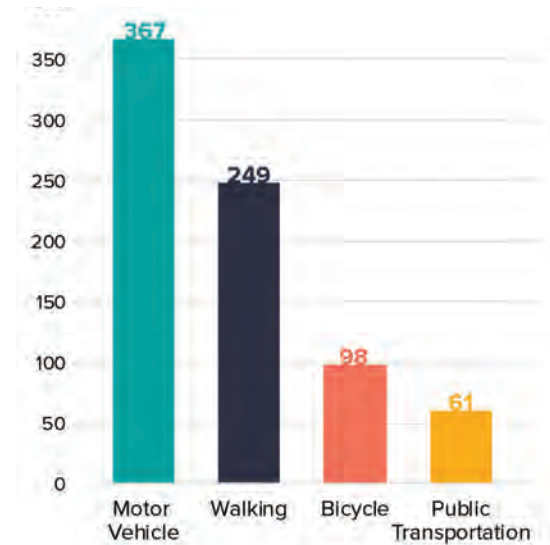
- Additional City of Watervliet staff and elected officials
- Additional City of Troy staff
- Capital District Transportation Authority
- New York State Department of Transportation
- Capital District Transportation Committee
- Troy Housing Authority & Penrose, LLC
- Watervliet Housing Authority
- City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

Online Survey

393 Survey Respondents

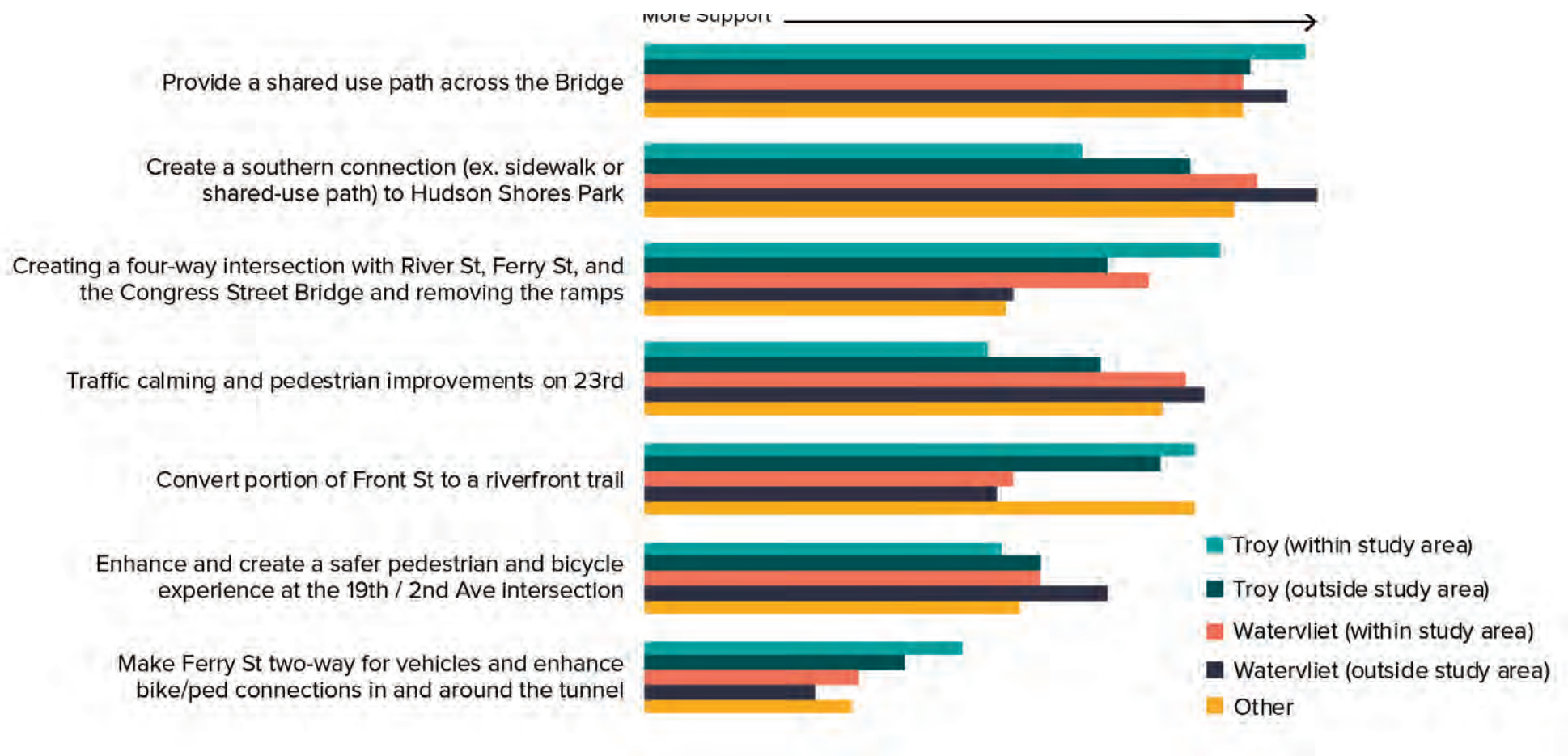


How do you travel within the study area?

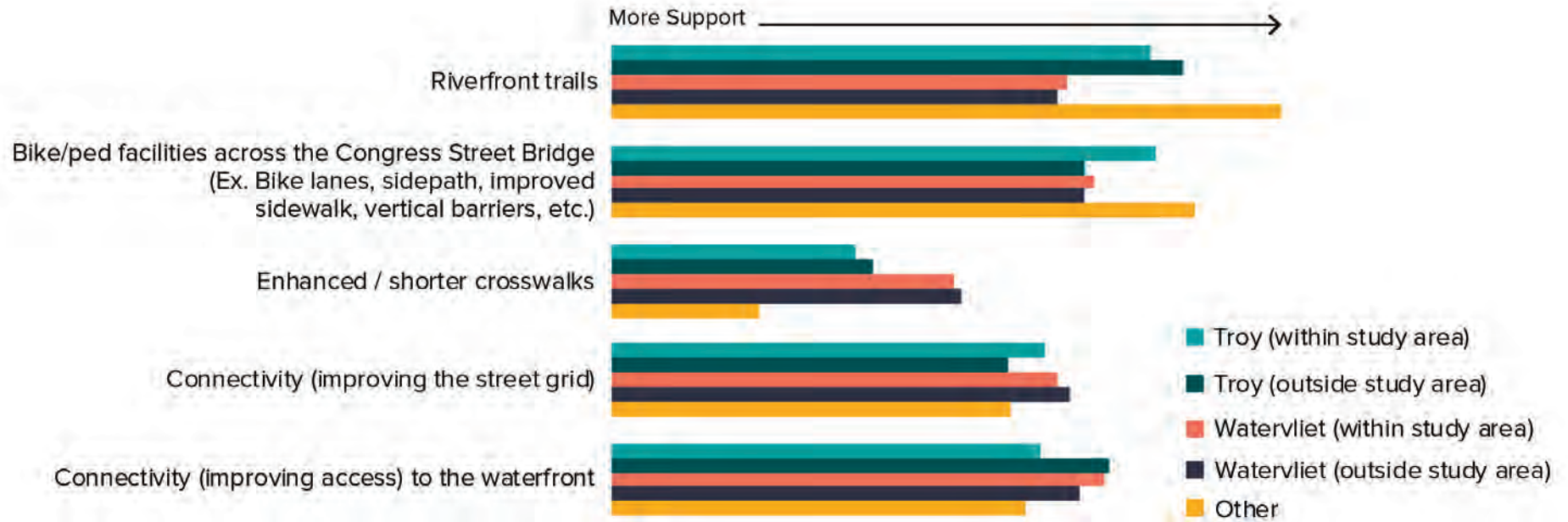


Why do you choose not to walk or bike within the study area?

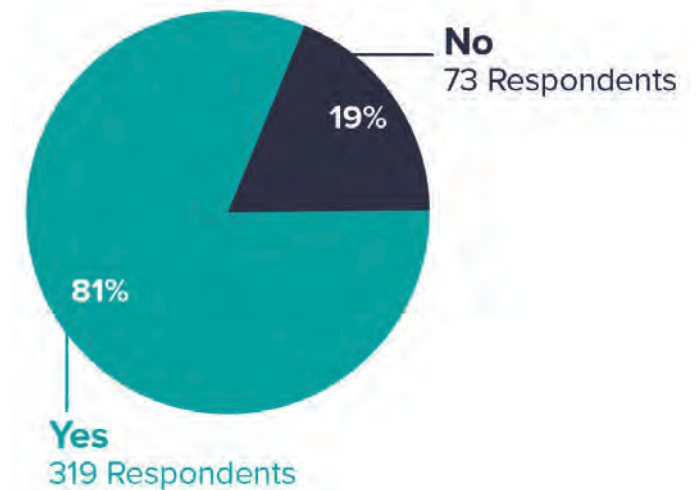
Which projects are most important to you?



Which improvements would you like to see the most?



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



Priority Projects

TROY

- Shared-Use Path on Congress Street Bridge
- Ferry Street and Congress Street Improvements
- River Street Connection
- Front Street Trail Conversion

WATERVLIT

- 19th Street and 2nd Ave Intersection Improvements
- Southern Connection to Hudson Shores Park
- Traffic Calming on 23rd Street (2nd Ave to Hudson Shores Park)



CONGRESS STREET BRIDGE SHARED USE PATH

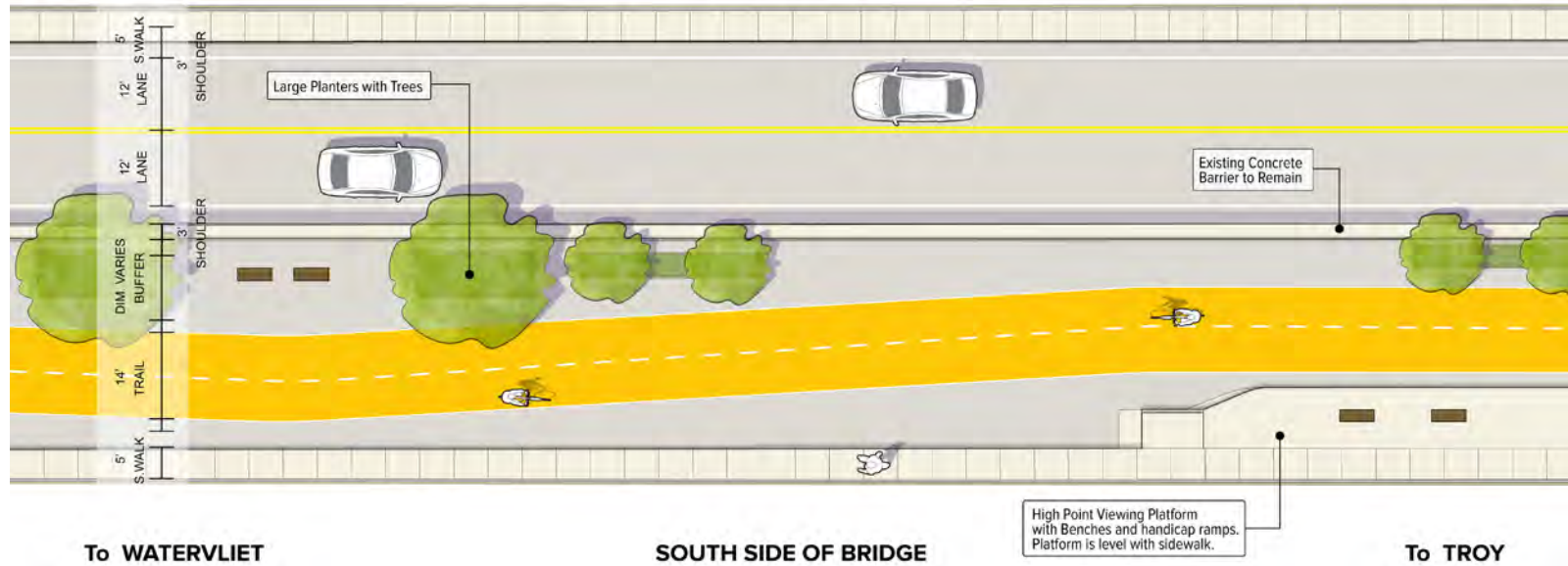
Project Type	Bridge Reconfiguration / Shared Use Path
Estimated Cost*	Phase 1 - \$0.9M / \$2.3M
Involved Entities	NYS DOT, City of Watervliet, City of Troy



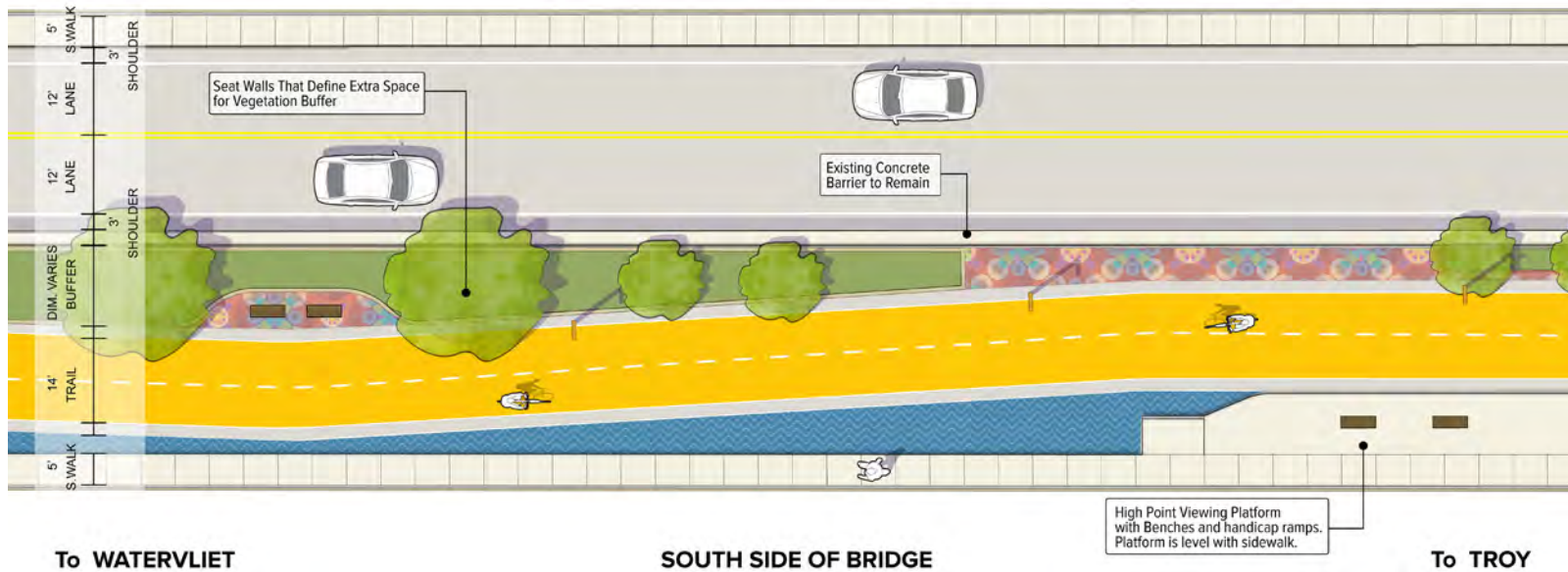
Goals of project:

- 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





FERRY STREET AND CONGRESS STREET IMPROVEMENTS

Project Type	Traffic Pattern Reconfiguration and Traffic Calming
Estimated Cost*	\$5.2M
Involved Entities	City of Troy, NYSDOT, CDTA

*Cost includes 30% contingency, engineering, and inspection



Goals of project:

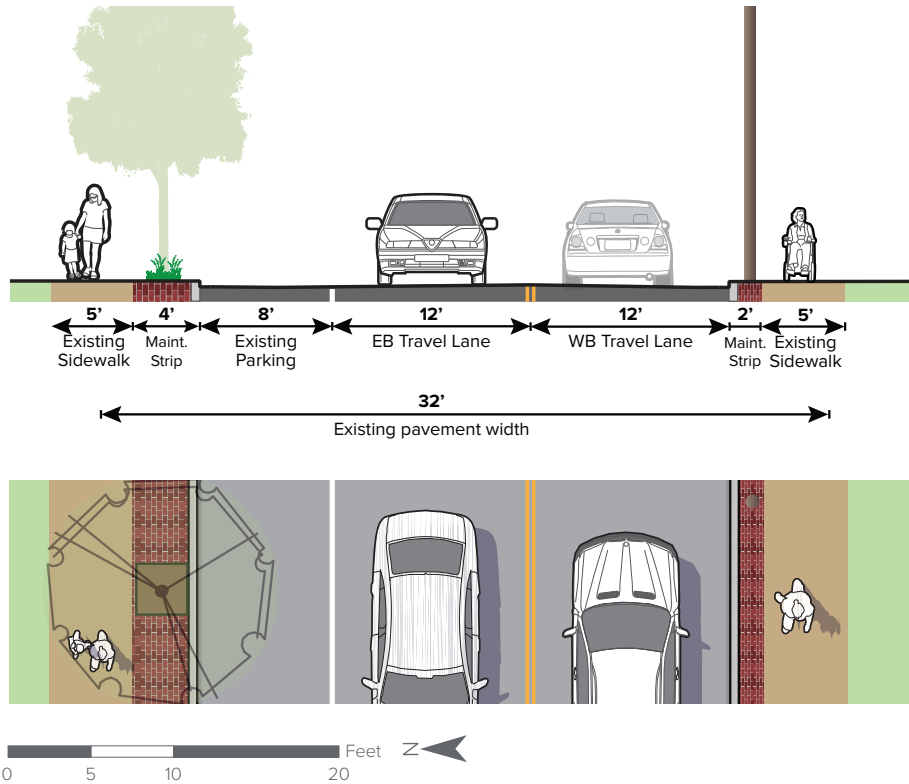
- Provide better connectivity and a safer corridor for cyclists and pedestrians
- Allow more direct access between downtown Troy and the waterfront
- Provide better circulation for vehicles



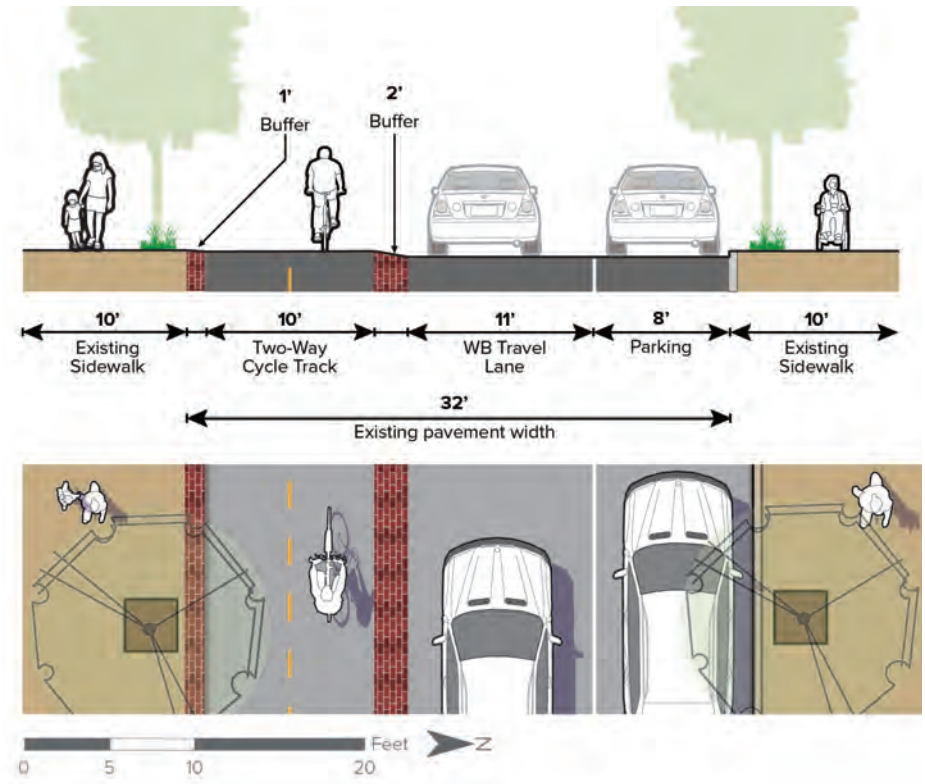
This rendering of the Congress and Ferry Street corridors illustrates two-way vehicular traffic on Ferry Street, the bi-directional cycle track on Congress Street. A variety of traffic calming features are recommended, including curb extensions and raised intersections.



Priority Projects



Cross section of Ferry Street - two way vehicular traffic



Cross section of Congress Street - slow street with cycle track

RIVER STREET CONNECTION

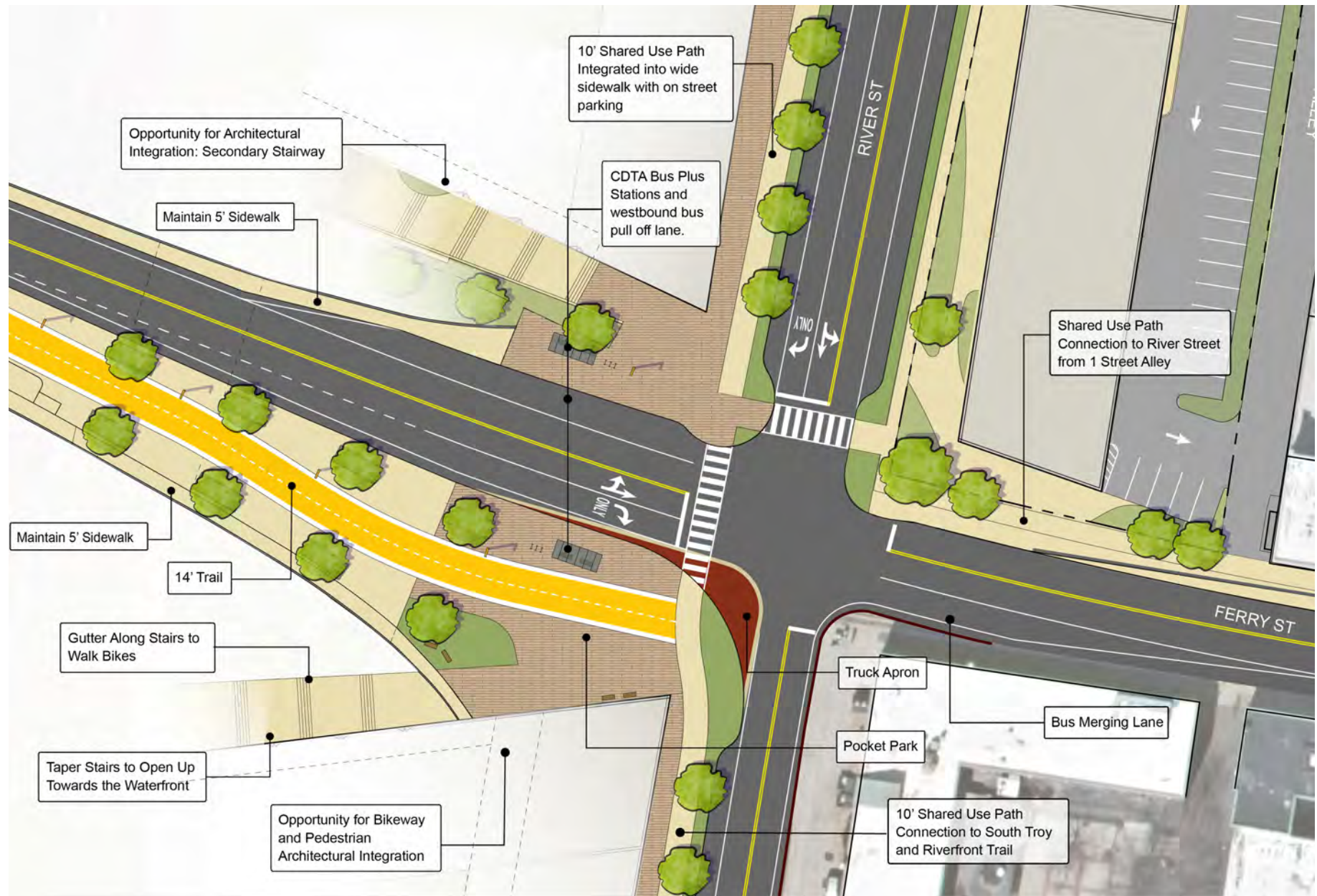
Project Type	Intersection Reconfiguration
Estimated Cost*	\$4.6M
Involved Entities	City of Troy, NYSDOT, CDTA, Troy Housing Authority, Sage College



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





FRONT STREET TRAIL CONVERSION

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

Front Street Waterline

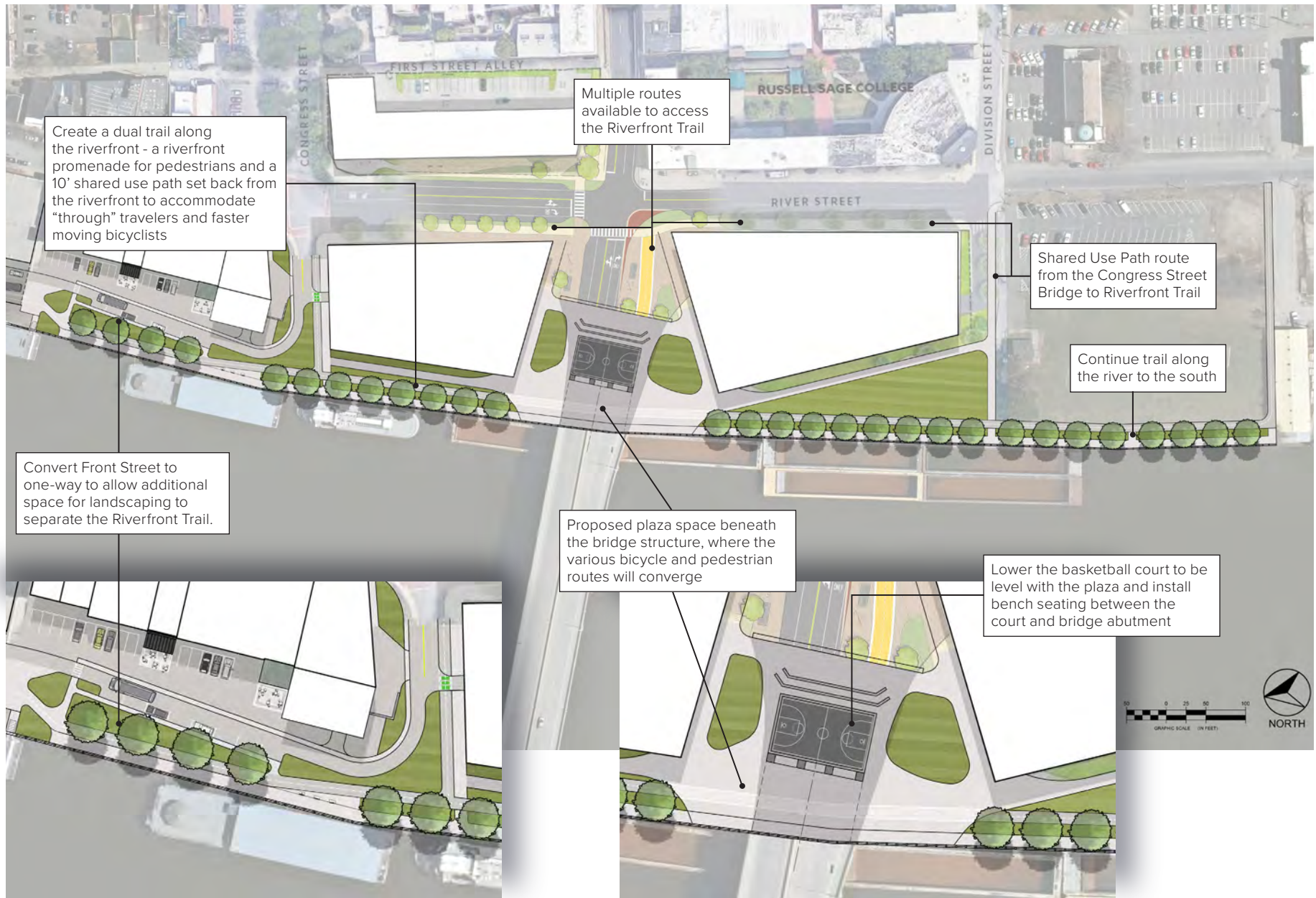
An existing 20" waterline is located along Front Street. This waterline is aging and has prohibited the development of additional structures along the waterfront. It is recommended that this waterline be replaced as part of this project since major construction will already be occurring. Replacement cost would be an additional \$400,000 to \$1,200,000, dependent on the length of replacement and relocation within the study area.

Goals of project:

- Provide better connectivity and a safer corridor for cyclists and pedestrians
- Provide a location for the future development of a waterfront park that will allow for a flexible space for activities and events



Priority Projects





19TH STREET / 2ND AVENUE INTERSECTION

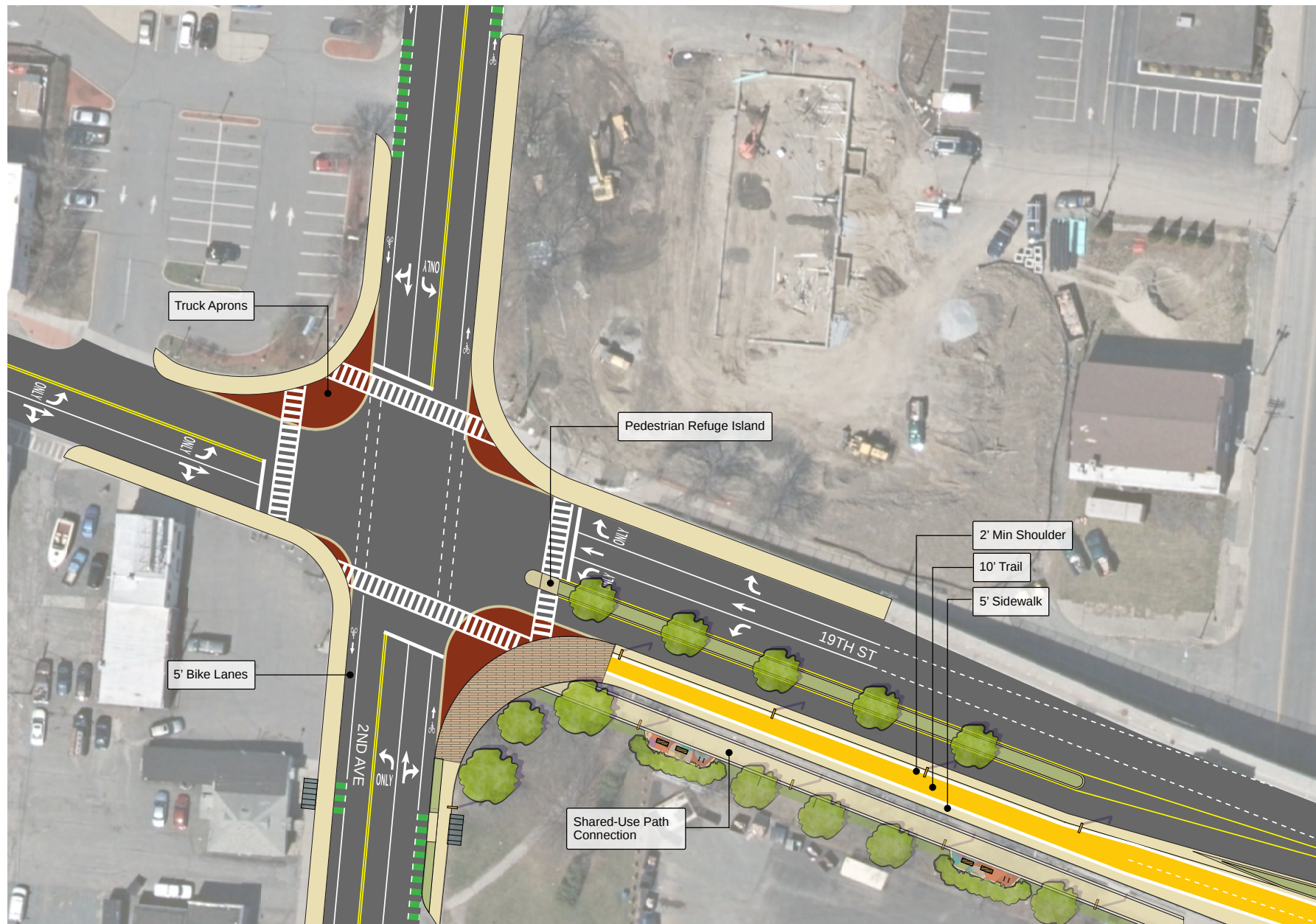
Project Type	Intersection Reconfiguration
Estimated Cost*	\$2.1M
Involved Entities	City of Watervliet, NYSDOT



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





SOUTHERN CONNECTION TO HUDSON SHORES PARK

Project Type	Pedestrian / Bicycle Facilities
Estimated Cost*	\$2.6M to \$5.4M**
Involved Entities	NYS DOT, FHWA, City of Watervliet

*Cost includes 30% contingency, engineering, and inspection

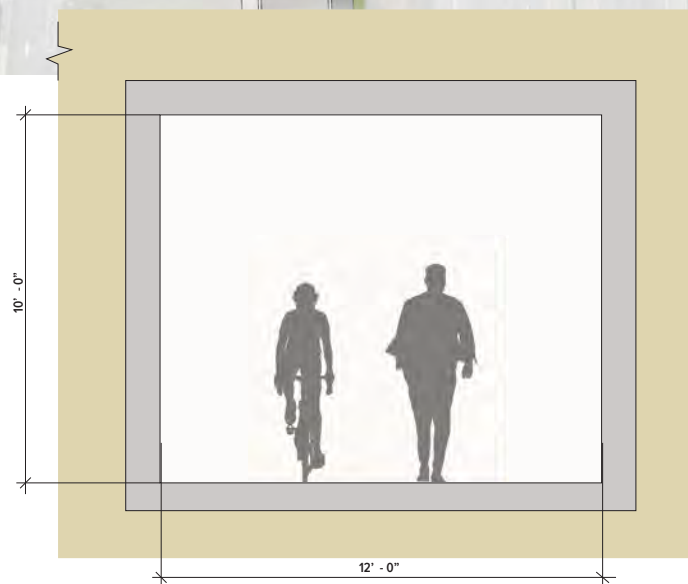
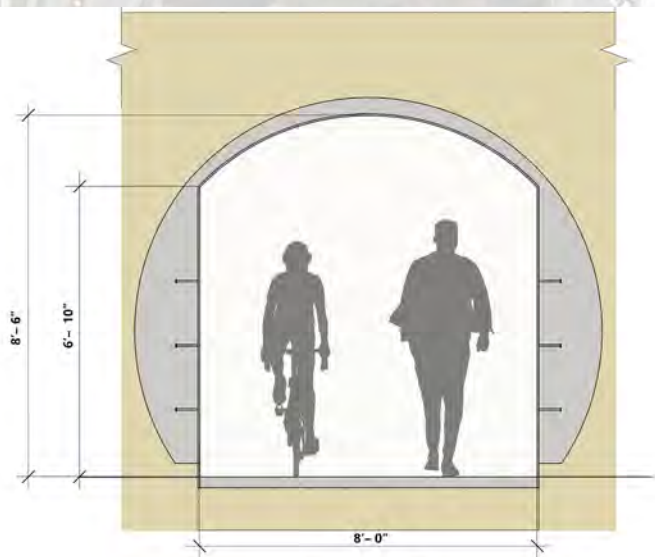
**Dependent on the type of tunnel installed and method of installation



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

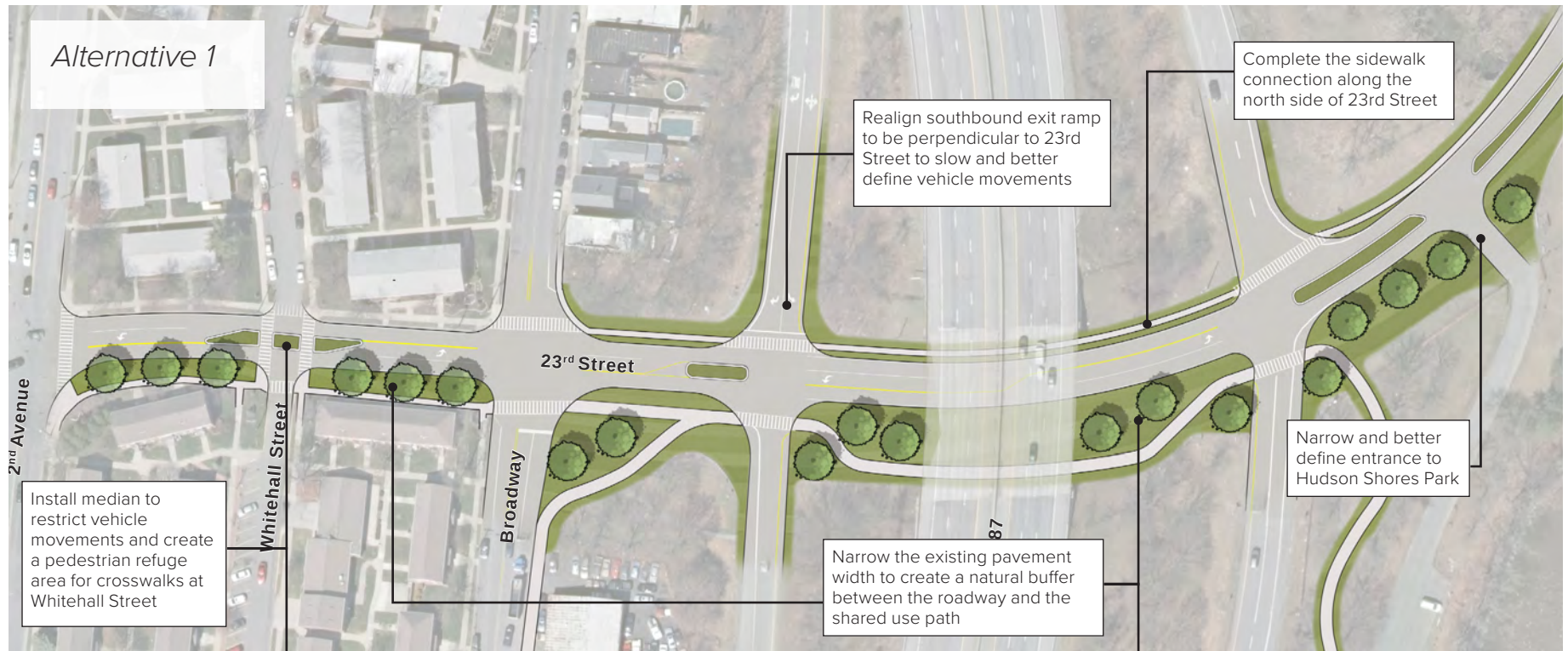
Project Type	Traffic Calming
Estimated Cost	\$5.5M
Involved Entities	City of Watervliet, NYSDOT, FHWA



Goals of project:

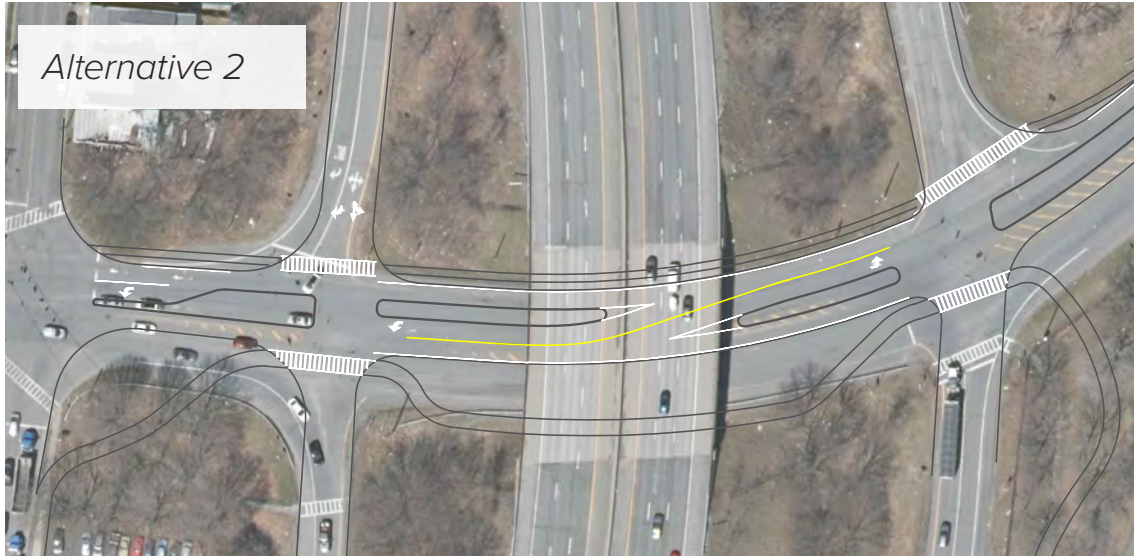
- Reduce the amount of pavement space
- Clarify turning movements
- Shorten crosswalks
- Enhance comfort of bicyclists and pedestrians within the corridor
- Enhance the entrance to Hudson River Shores Park
- Calm traffic and reduce vehicle speeds

Priority Projects

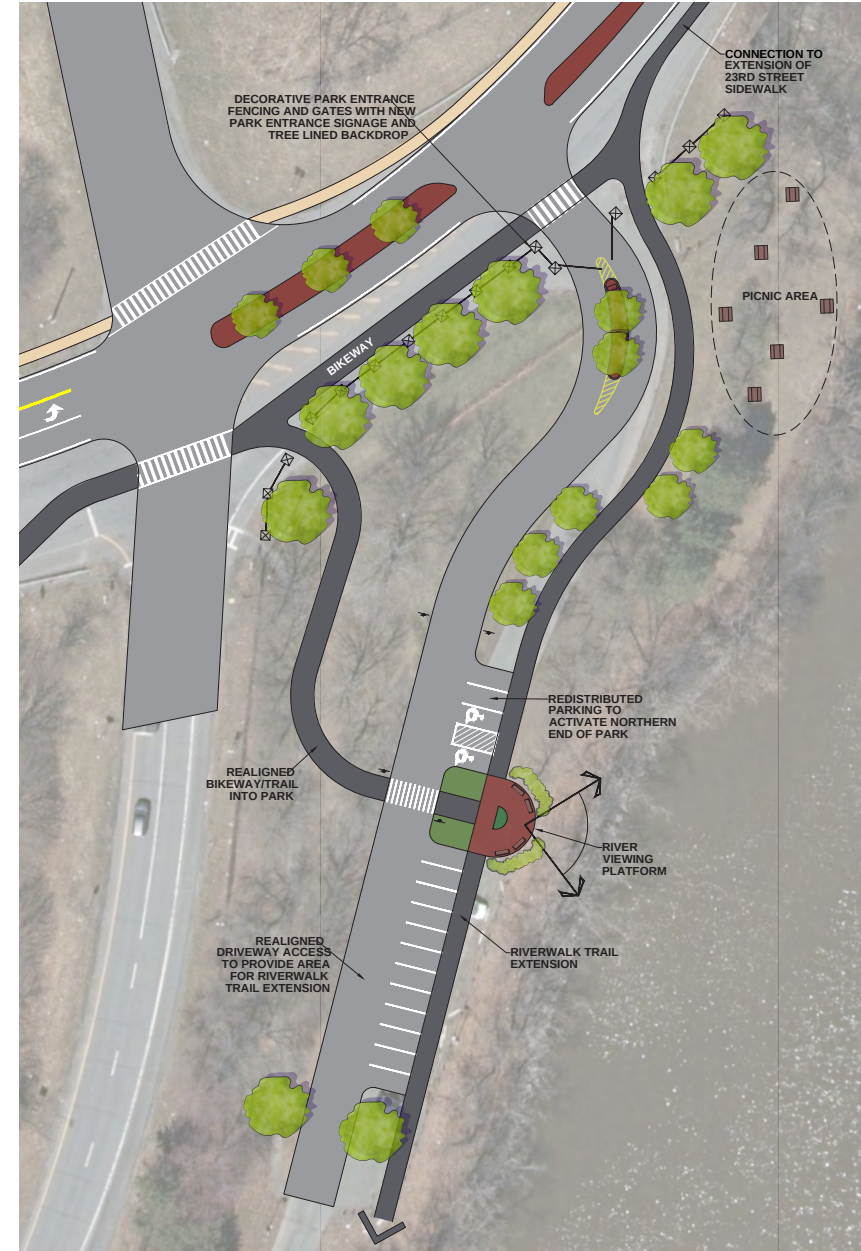
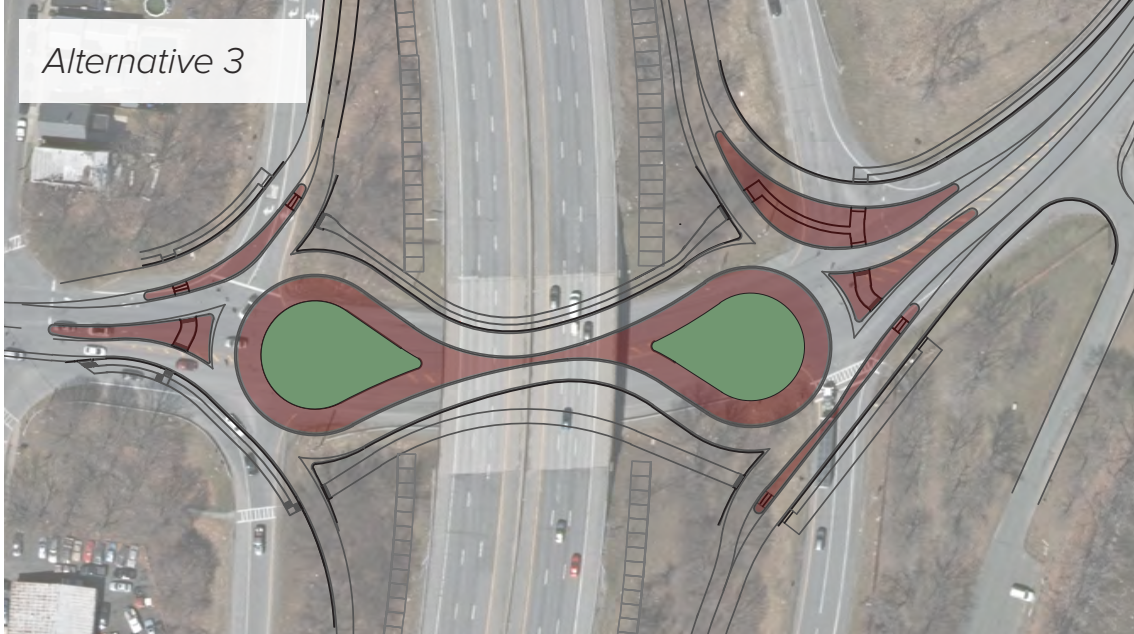


Priority Projects

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**

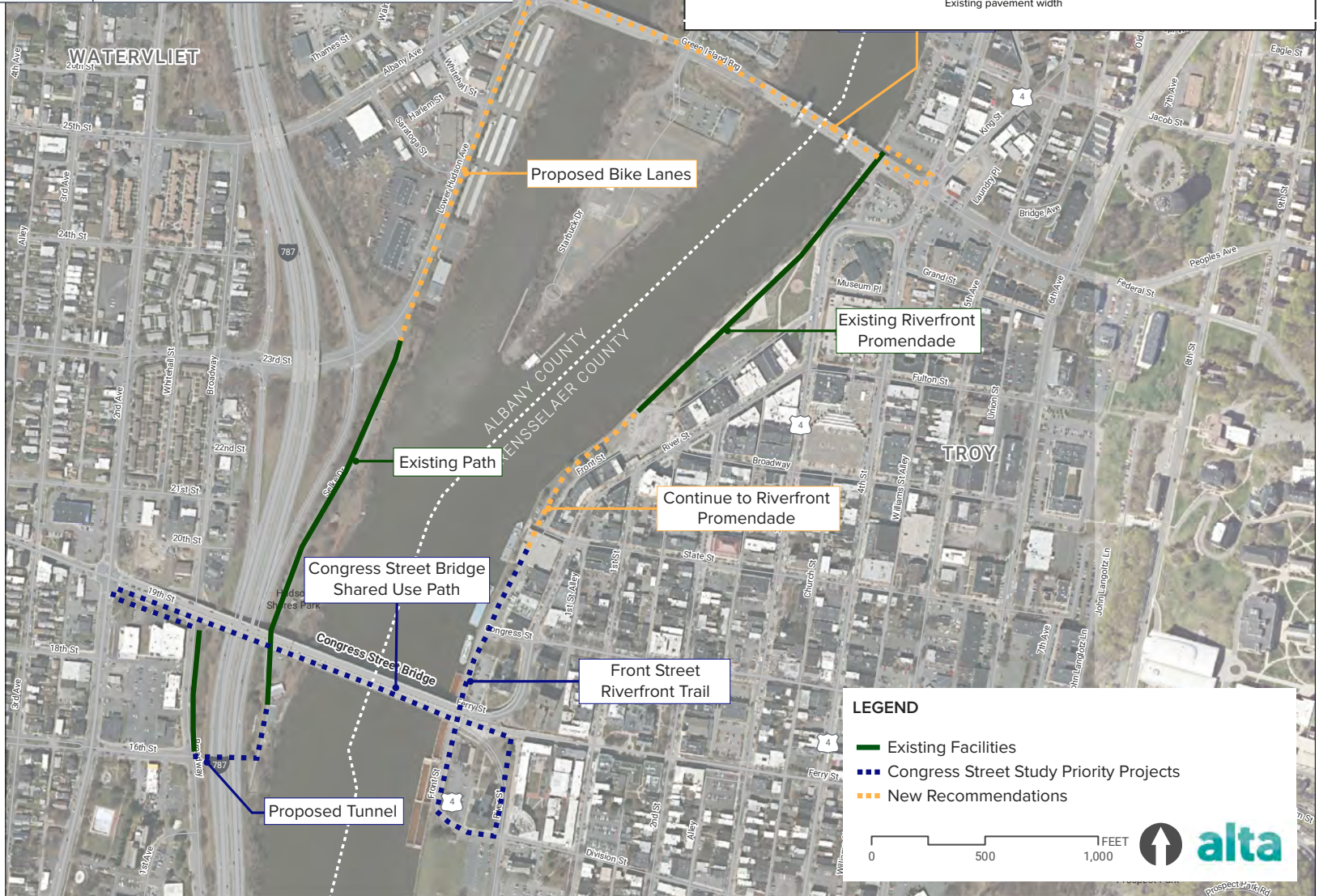
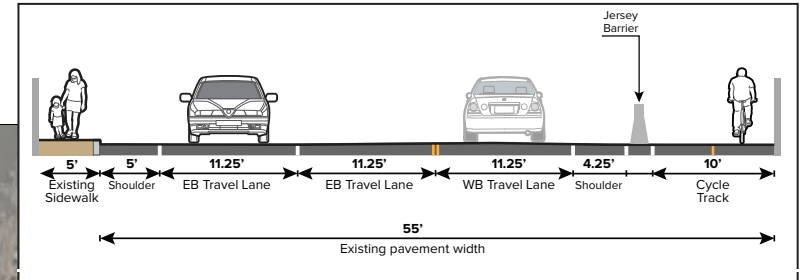
Troy

- **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



General Recommendations - Troy



An aerial rendering of a proposed bridge and waterfront park. The bridge spans a wide river, with a multi-lane road and a pedestrian/bike path on top. The path is highlighted in yellow. On the right side of the river, there's a new park area with green grass, trees, a colorful playground, and a large white building. A small boat is on the river, and several white birds are flying in the sky. The background shows existing urban development.

Questions/Comments?

Thank you!

Contact:
lindsayzefting@altaplanning.com

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