



STRAND
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City of Madison

E. JOHNSON STREET PROJECT

(North Baldwin Street to First Street)

April 28, 2016

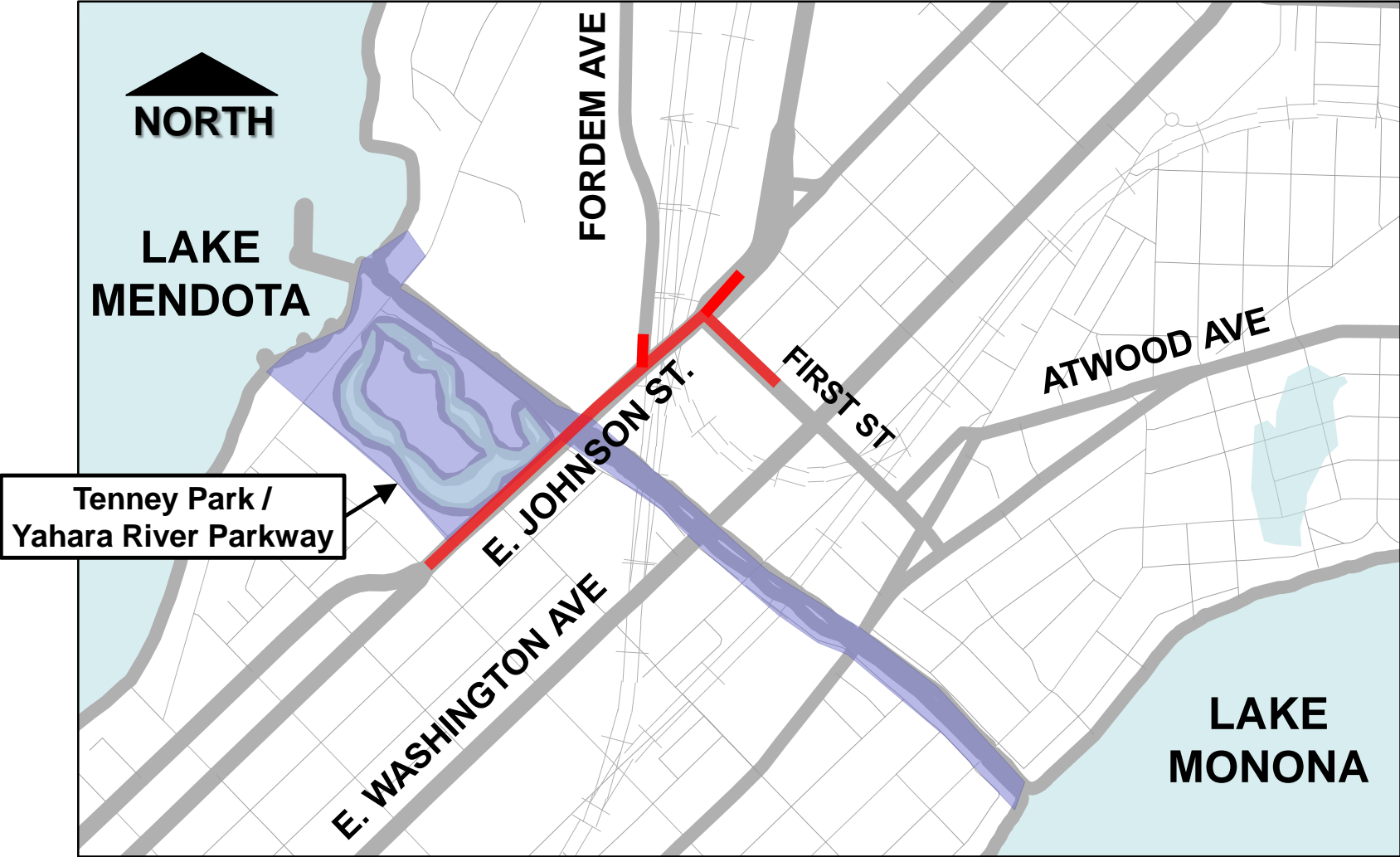


Overview

- Project Location & Limits
- Need for Project
- Tentative Schedule
- Overview of Preliminary Design
- Impacts to Historical Properties & Park Spaces
- Anticipated Costs
- Project Website

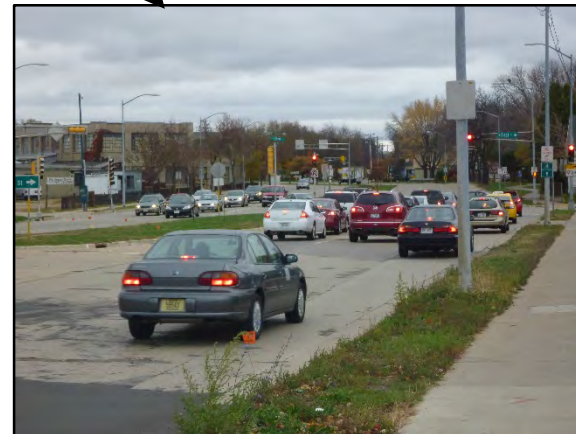
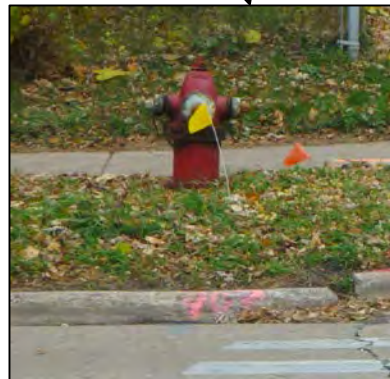
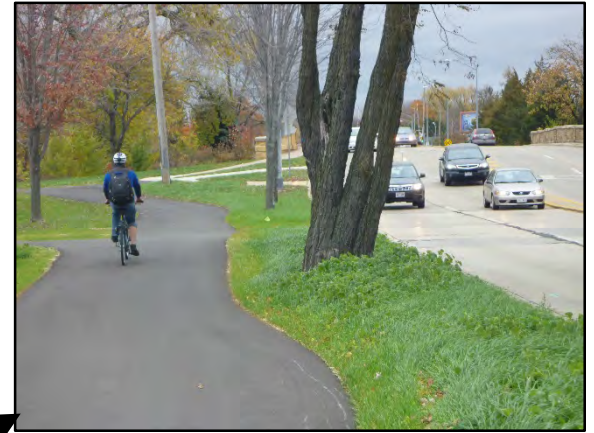


Project Location and Limits



Need for Project

- Why Improve E. Johnson Street?
 - Incomplete Bicycle Accommodations
 - Poor Pavement Condition
 - Address Long-Term Operational Needs
 - Underground Utilities



Need for Project

- Incomplete Bicycle Accommodations
 - No on-street bike accommodations present.
 - Multi-use path provides accommodation on north side of roadway adjacent to Tenney Park.



Need for Project

- Poor Pavement Condition
 - Constructed in 1967
 - Pavement rated a 4/5 out of 10
 - Curb & Gutter rated 6 out of 10



Need for Project

- Underground Utilities
 - Water Main
 - Mix of 4-inch and 12-inch built in 1912 and 1928
 - Sanitary Sewer
 - Ranges from 8 to 12-inches built in 1909, 1958, and 1975
 - Storm Sewer
 - 5 x 4-foot box built 1957
 - 10 x 4-foot box built 1951



Additional Considerations

- Long-term Planning for Future Public Market
 - Site design and planning work to begin this year.
 - Public meetings anticipated this fall.
 - In budget for 2018 construction and open in 2019.



Public Market Location



Tentative Schedule:

- 30 Percent Design – Summer 2015 to Spring 2016
- ***Public Meeting No.1 – April 28, 2016***
- Complete Preliminary Design - Fall 2016
- Public Meeting No.2 Fall 2016
- Final Design - Fall 2016 to Summer 2017
- Public Meeting No.3 (if needed) - Summer 2017
- Public Meeting Prior to Construction - Spring 2018
- Construction - 2018



Project Scope:

- New Pavement
- Curb and Gutter
- Widening of First Street
- Sidewalk Repairs and New Multi-Use Path
- Storm Sewer
- Lighting
- Sanitary Sewer
- Water Main
- Pavement Marking
- Signing

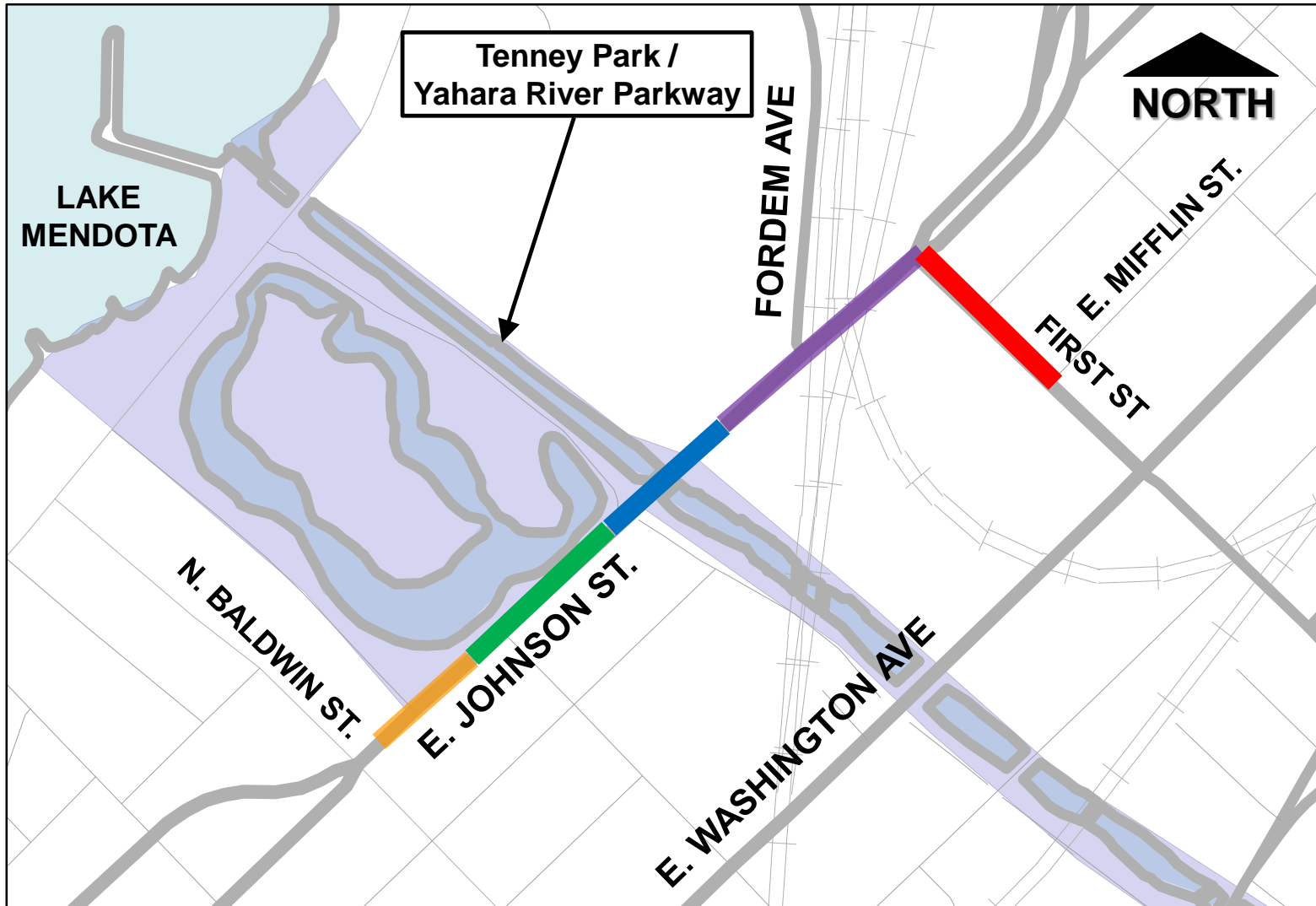


Overview of Preliminary Design

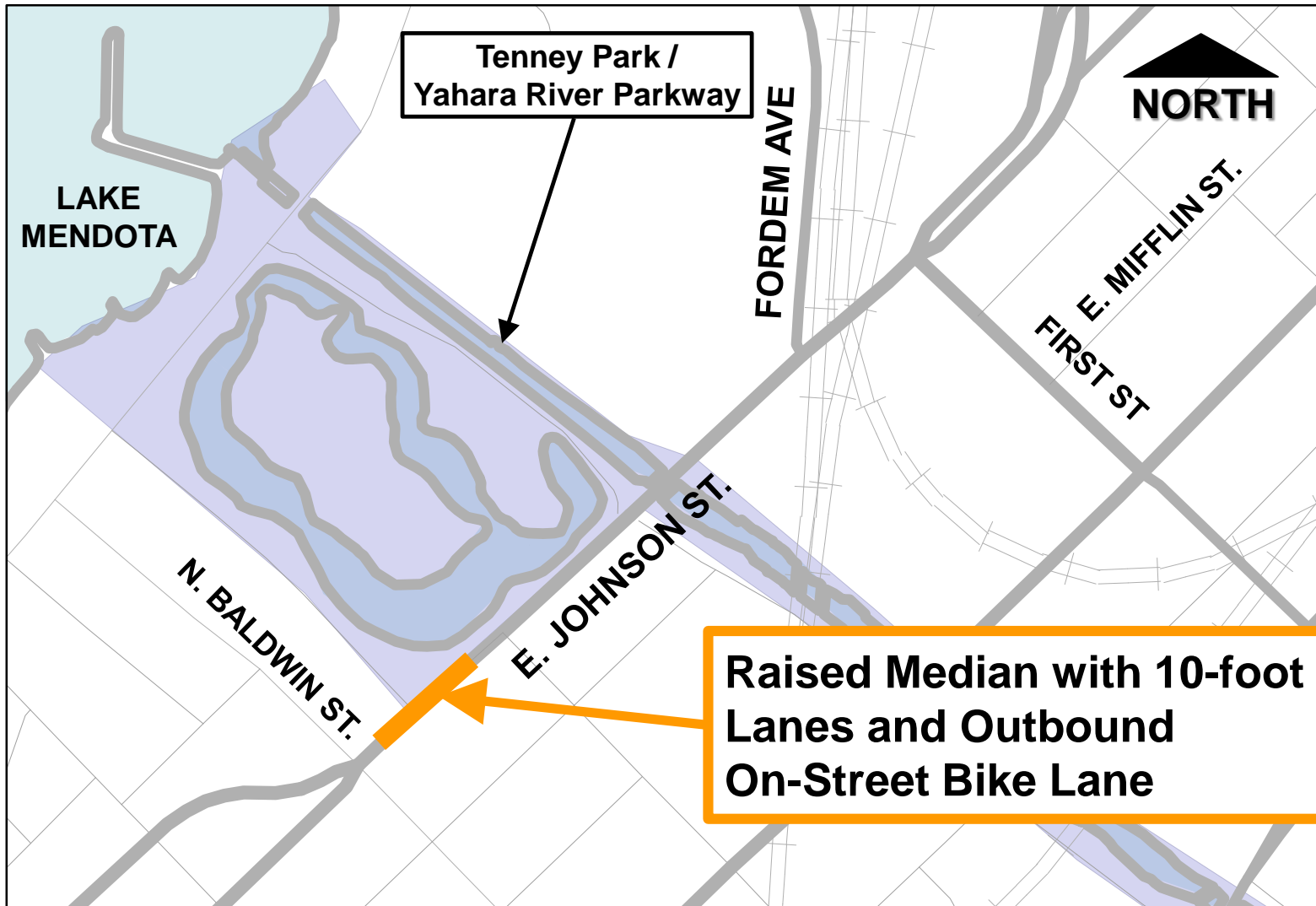
- Typical Cross Sections
- First Street Intersection Improvements
- Sidewalk Improvements
- Crossing Improvements
- RR Crossing Improvements
- Construction Staging
- Lighting



Typical Roadway Cross Sections

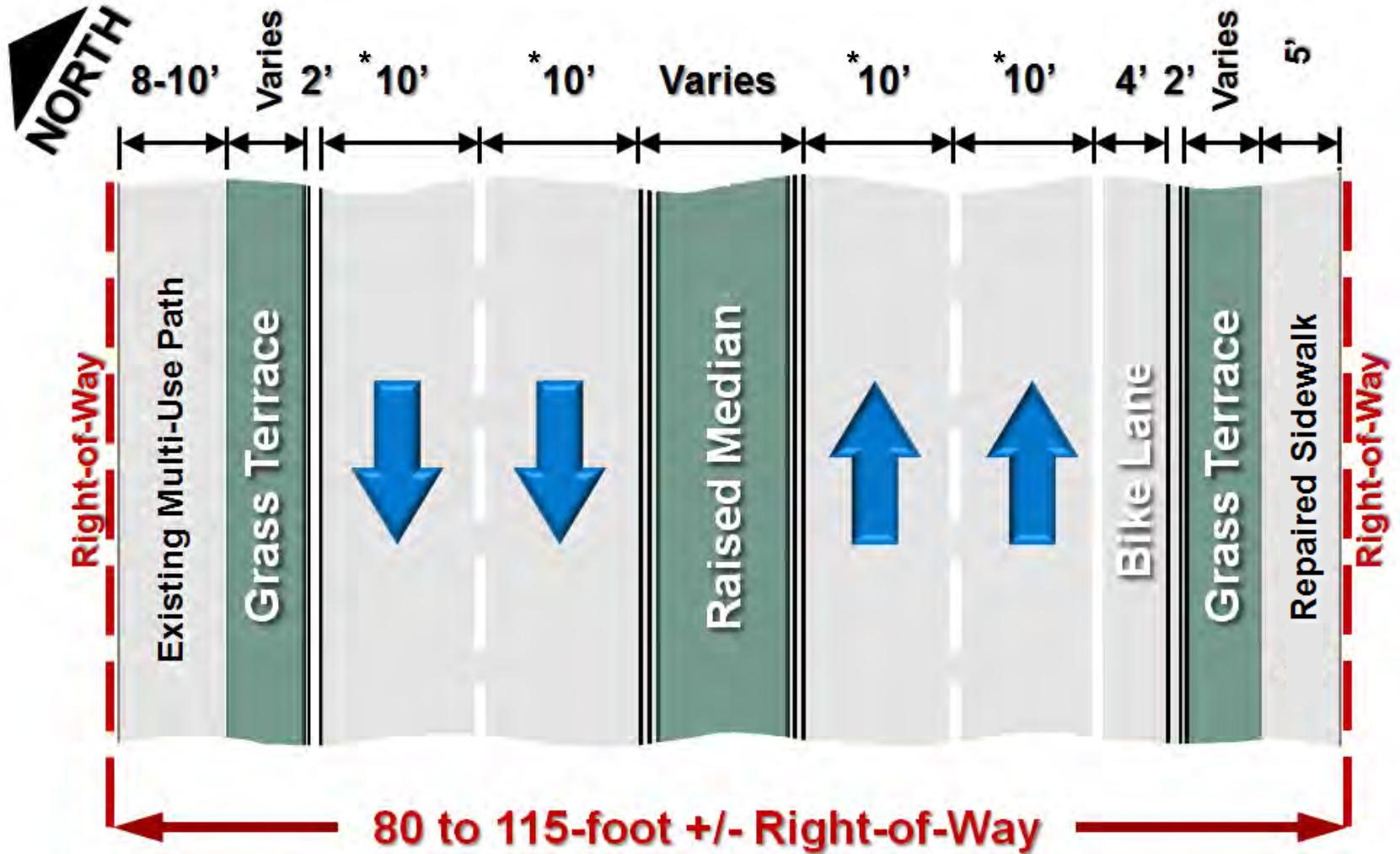


Typical Roadway Cross Sections



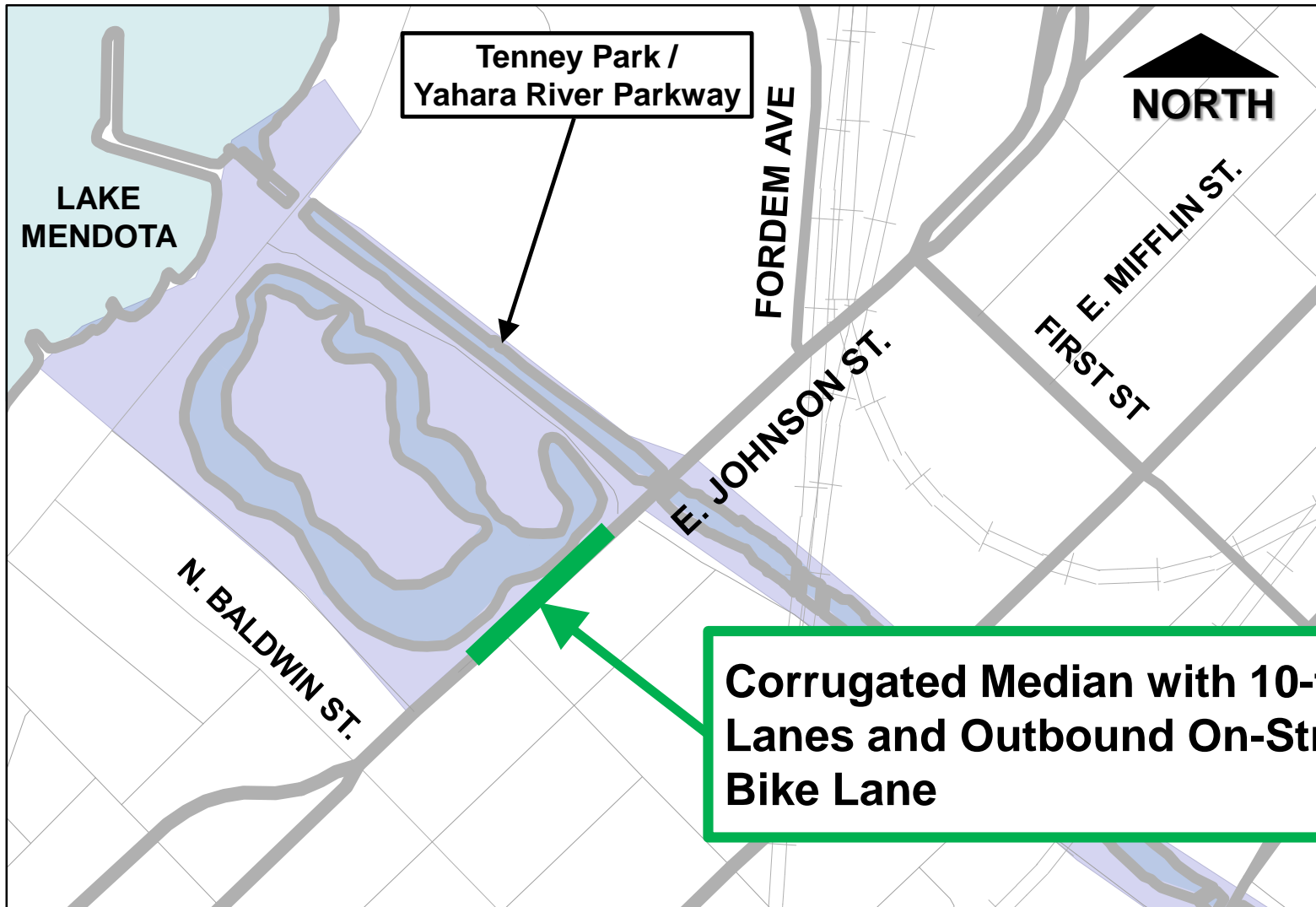
Typical Roadway Cross Section

-Raised Median with 10-foot Travel Lanes & Outbound Bike Lane-

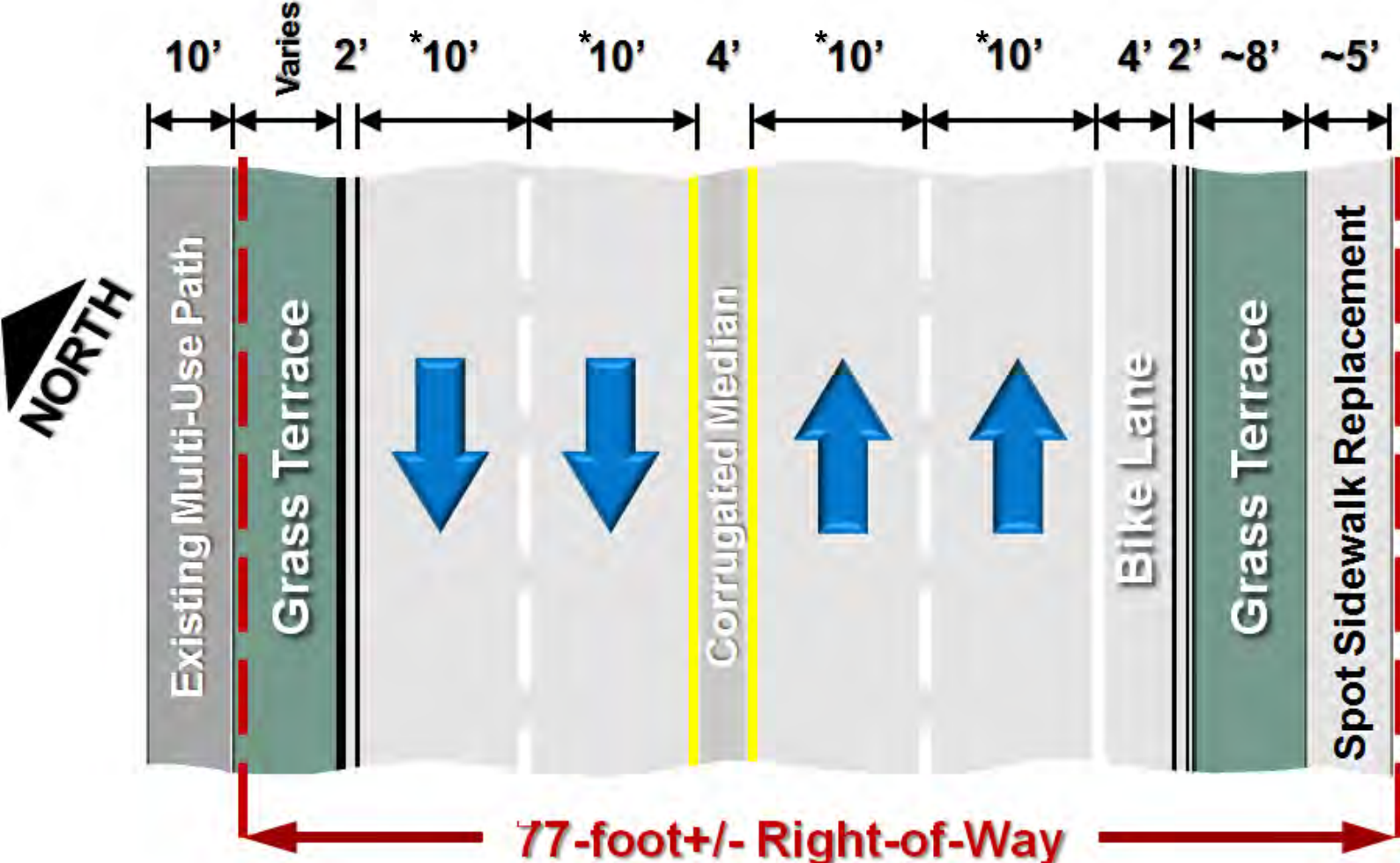


*10-foot lane width requires an Exception to Standards.

Typical Roadway Cross Sections

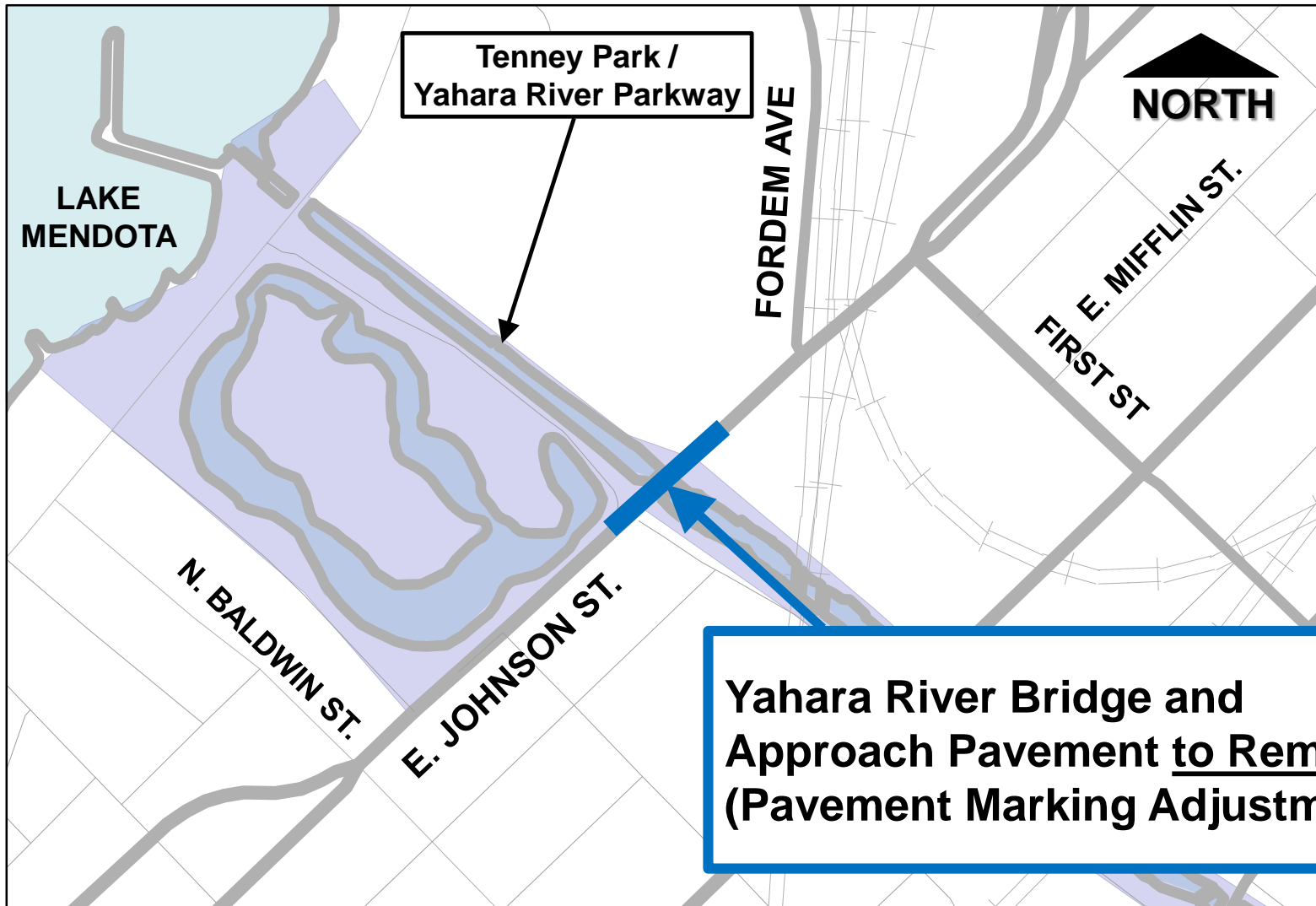


Typical Roadway Cross Section -10-foot Travel lanes with Outbound Bike Lane-



*10-foot lane width requires an Exception to Standards.

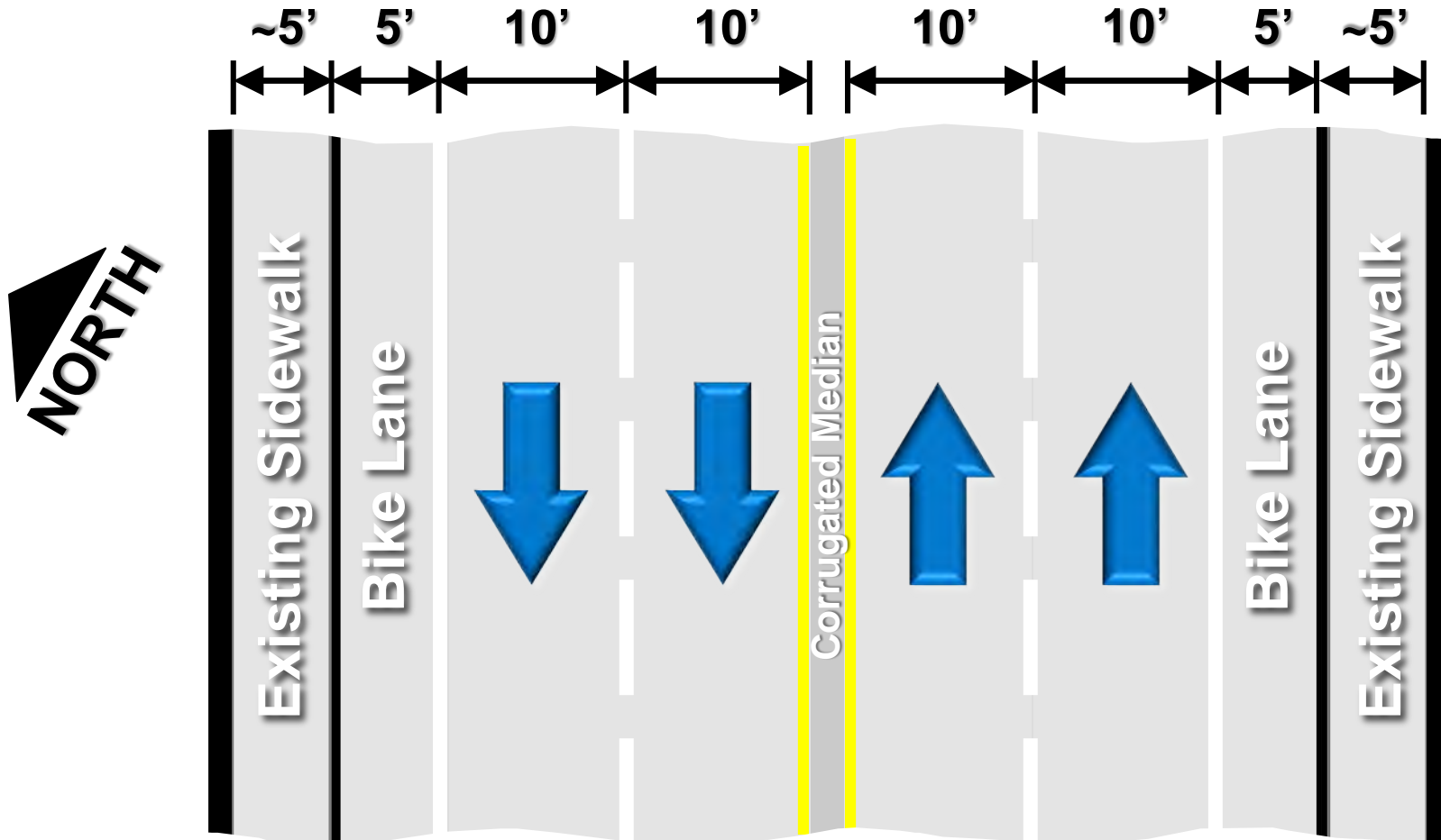
Typical Roadway Cross Sections



Yahara River Bridge and Approach Pavement to Remain (Pavement Marking Adjustments)



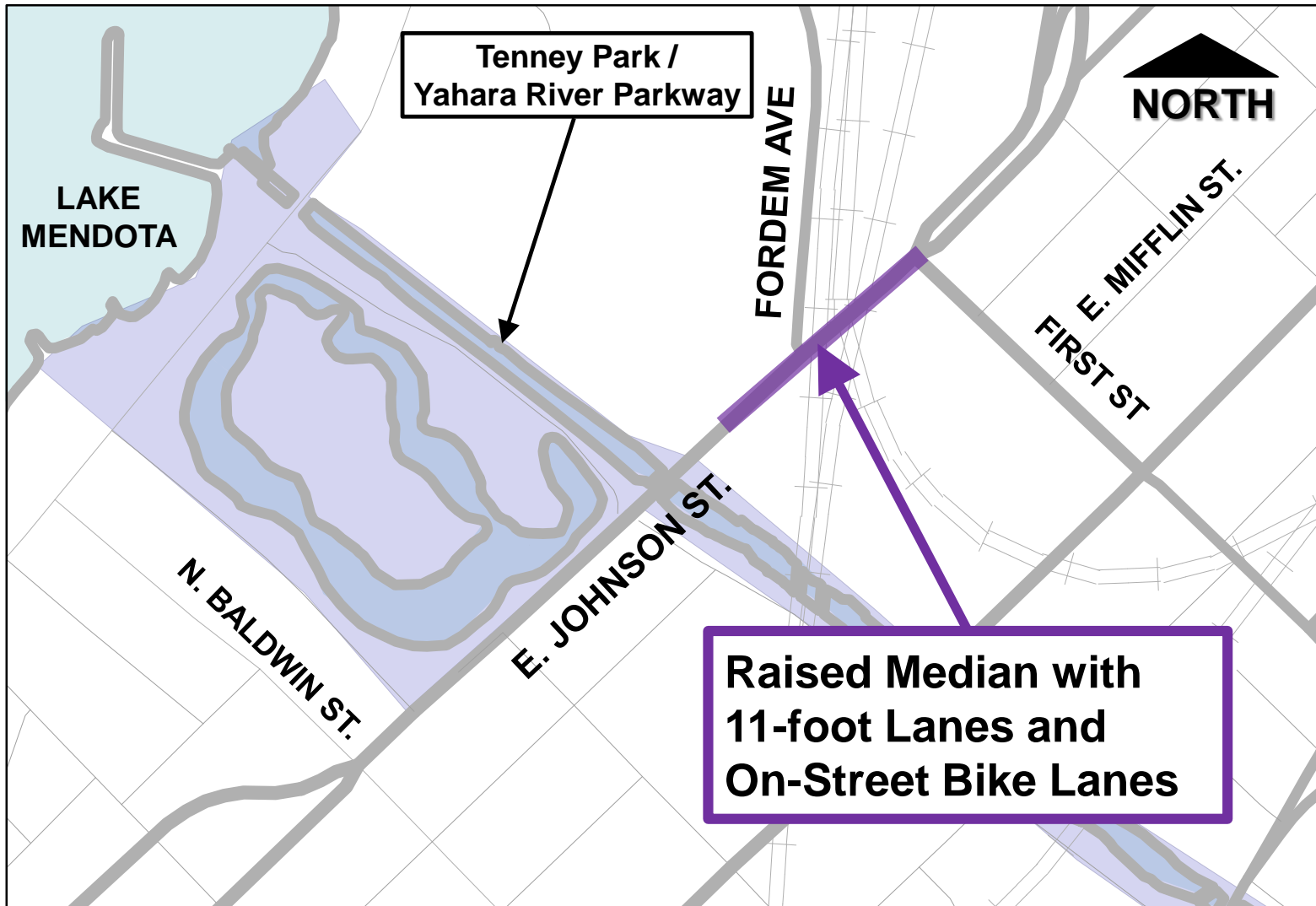
Typical Roadway Cross Section -Yahara River Bridge and Approaches-



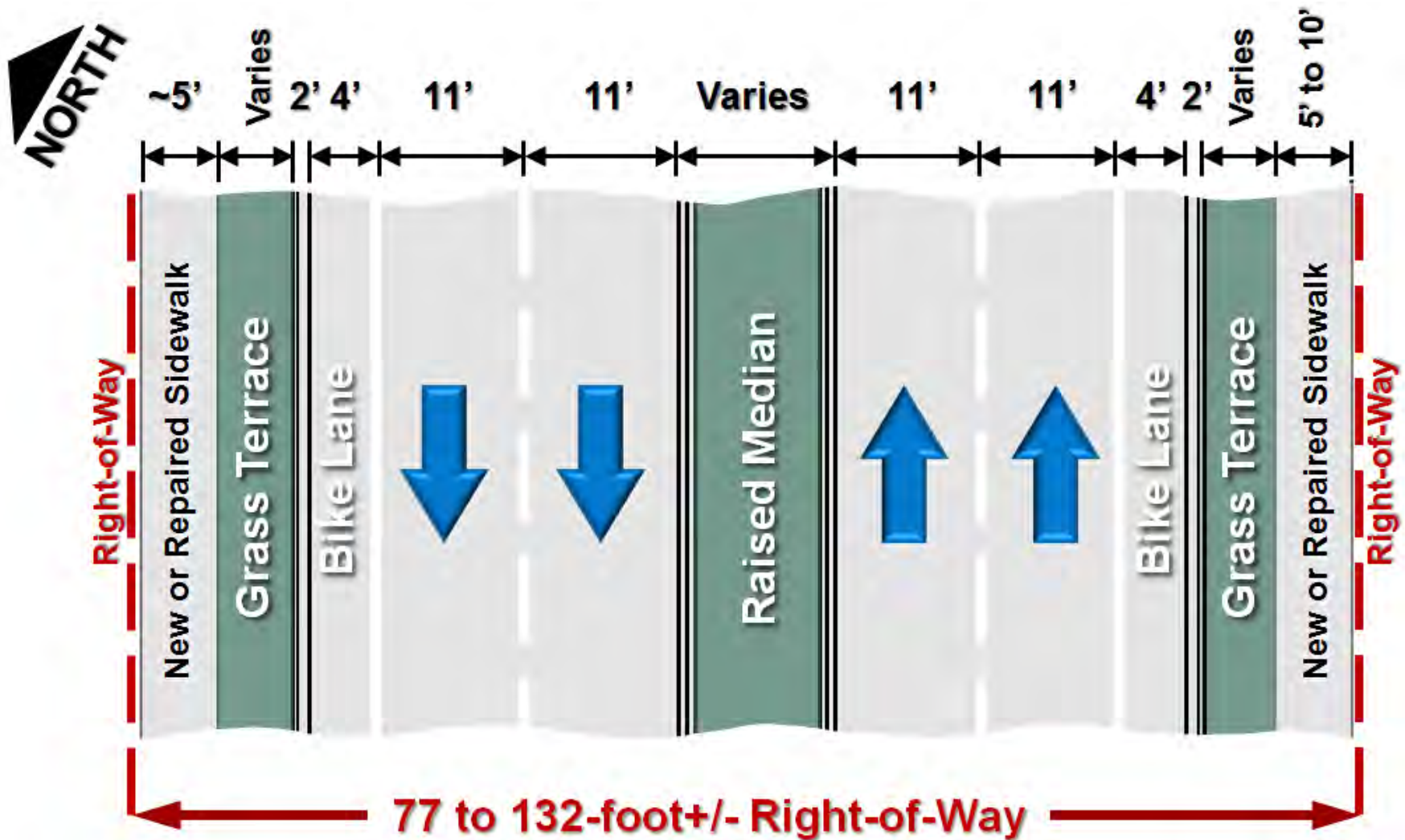
**-Existing Yahara River Bridge
Pavement and Sidewalk to Remain-**



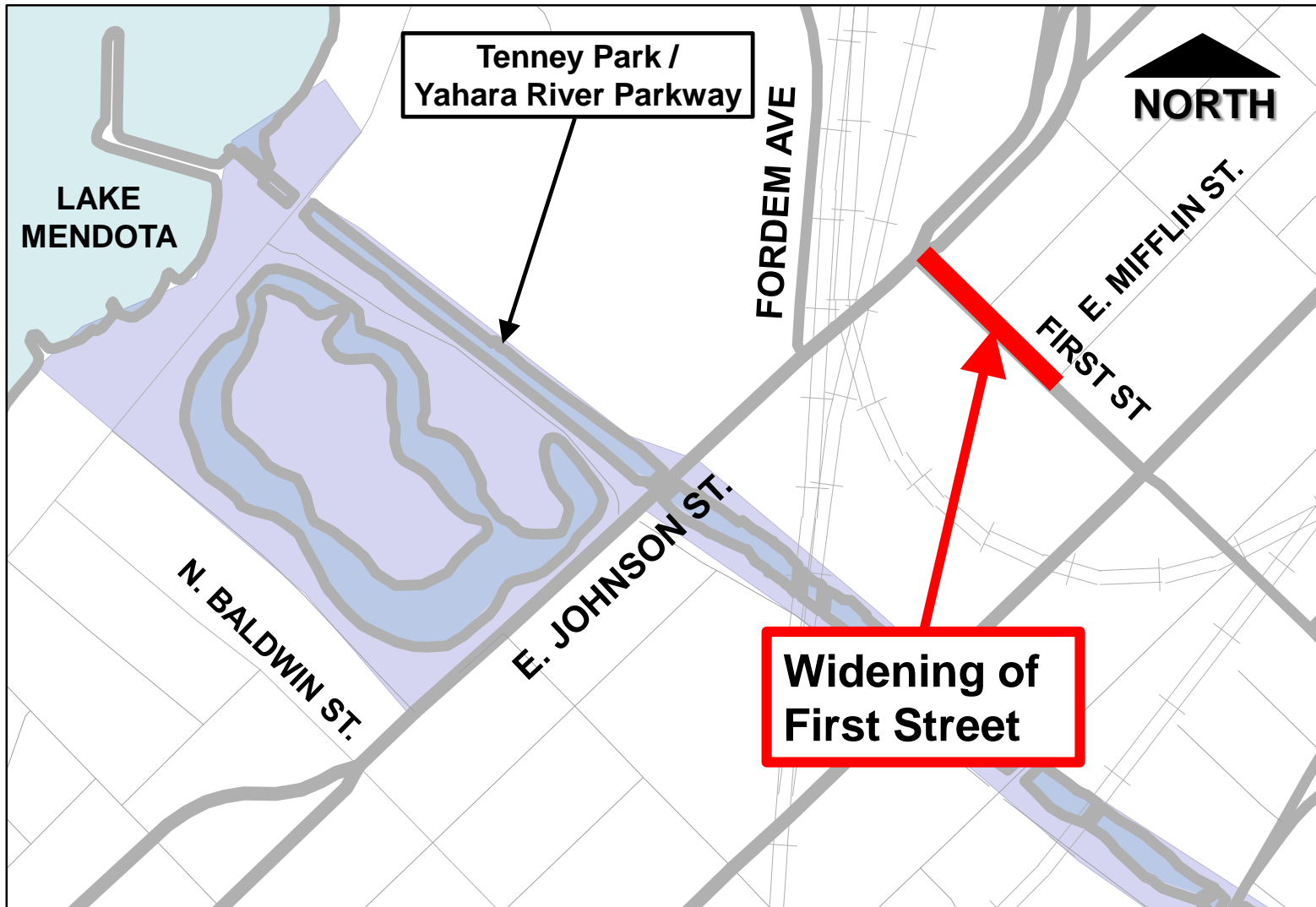
Typical Roadway Cross Sections



Typical Roadway Cross Section -Raised Median with On-Street Bike Lanes-



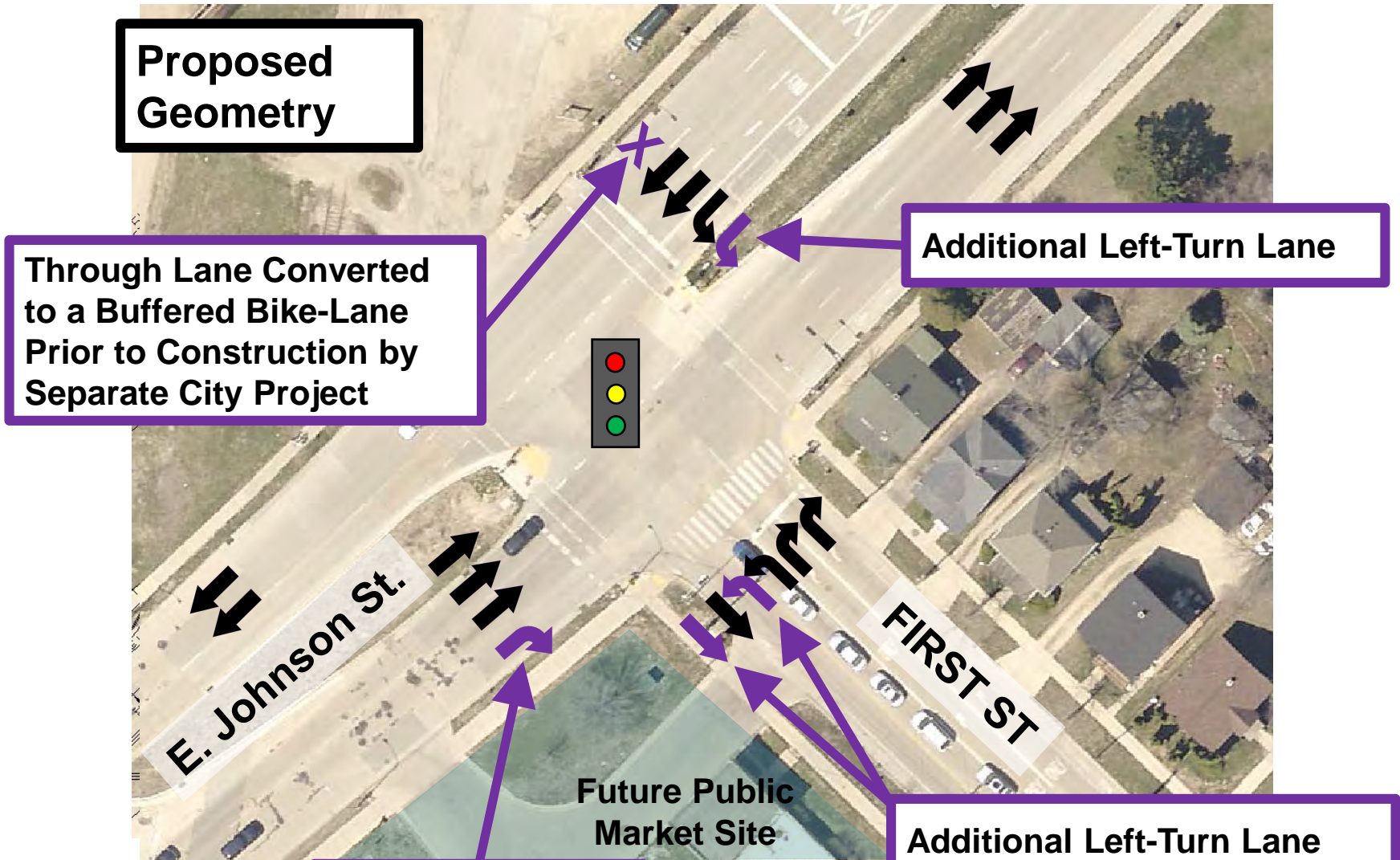
Typical Roadway Cross Sections



Overview of First Street Improvements



Overview of First Street Improvements



Proposed Geometry

Through Lane Converted to a Buffered Bike-Lane Prior to Construction by Separate City Project

Additional Left-Turn Lane

Addition of Right-Turn Lane

Additional Left-Turn Lane and SB Through Lane

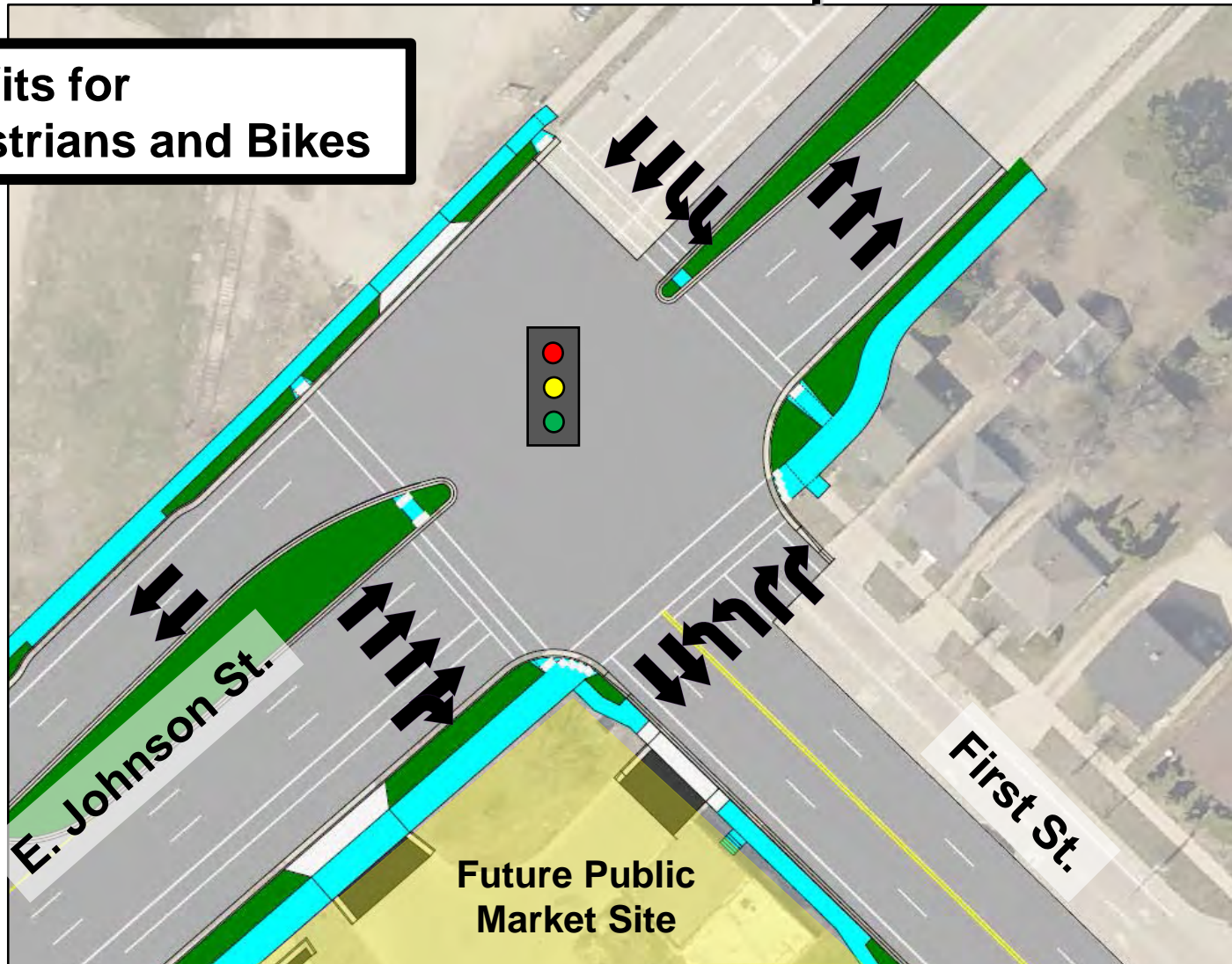


Overview of First Street Improvements



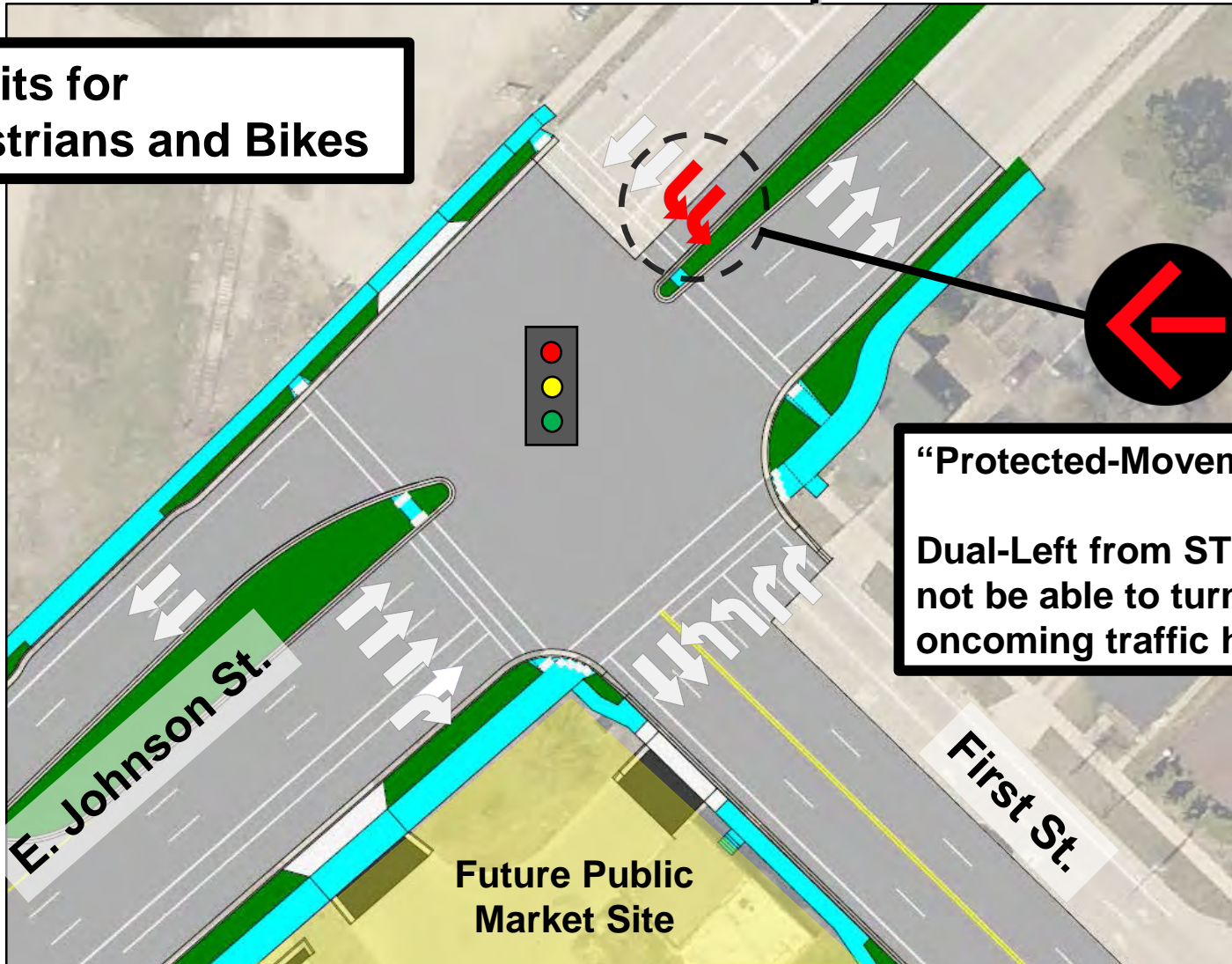
Overview of First Street Improvements

**Benefits for
Pedestrians and Bikes**



Overview of First Street Improvements

**Benefits for
Pedestrians and Bikes**



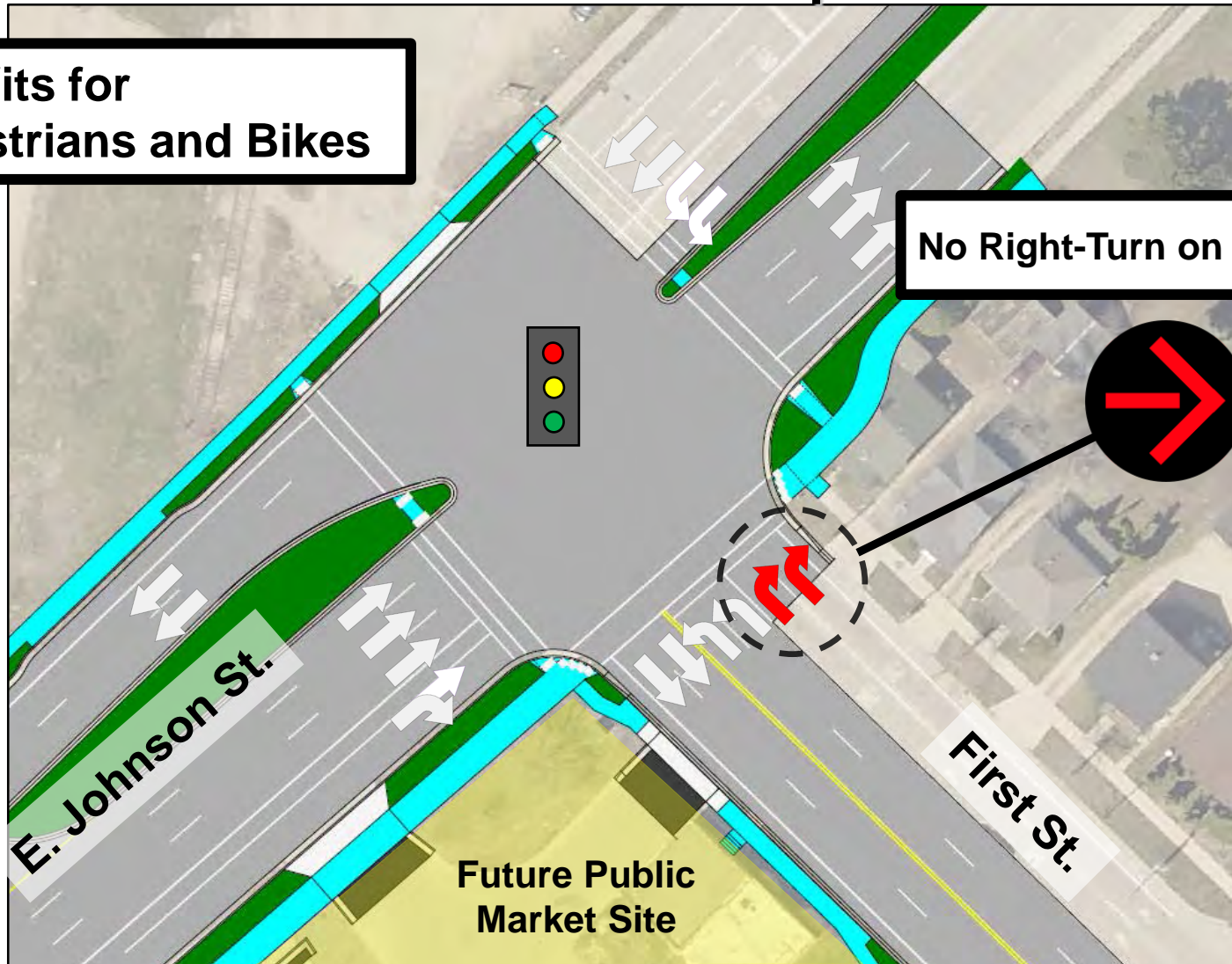
“Protected-Movement”
Dual-Left from STH 113 will not be able to turn when oncoming traffic has green.



Overview of First Street Improvements

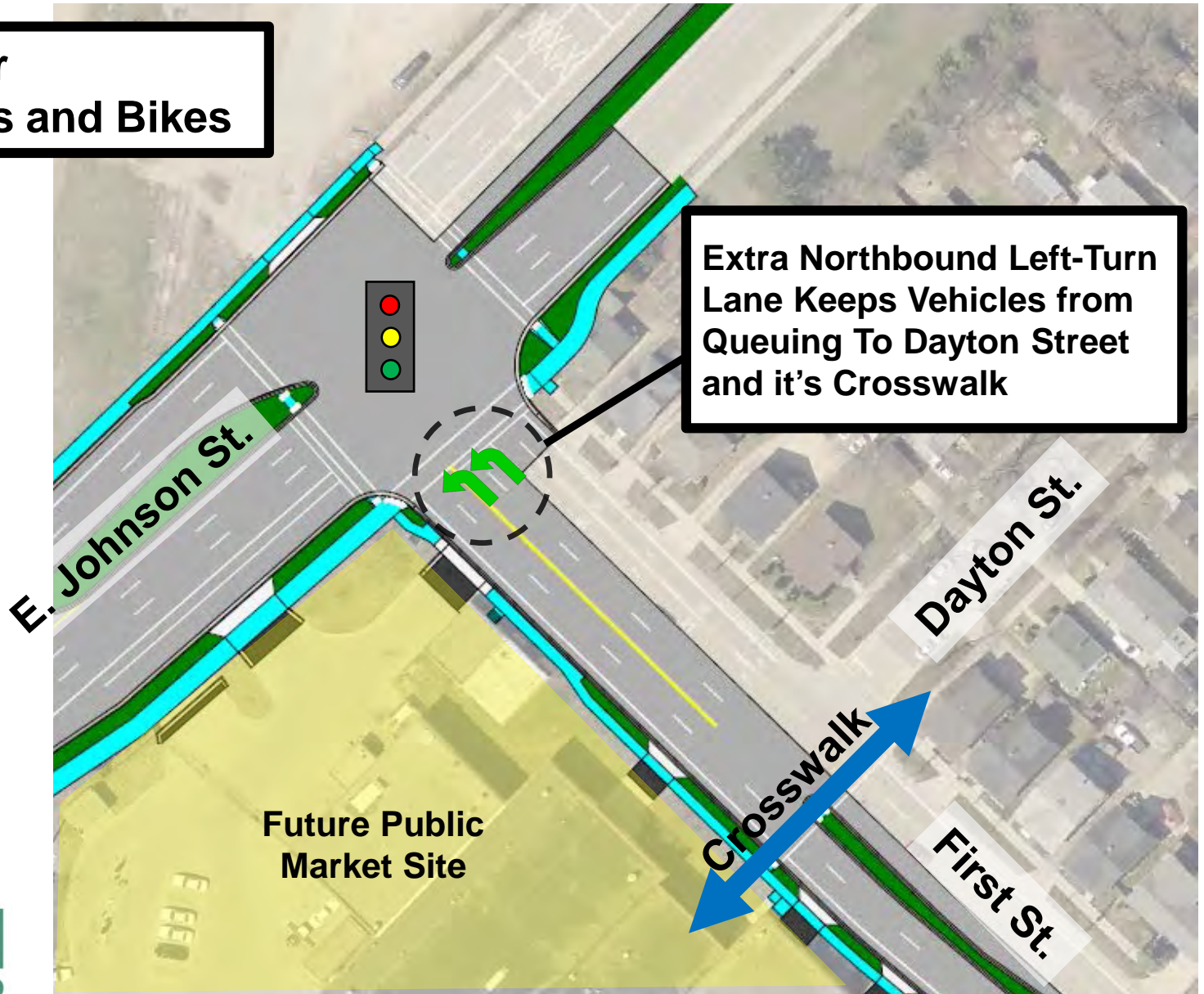
**Benefits for
Pedestrians and Bikes**

No Right-Turn on Red.

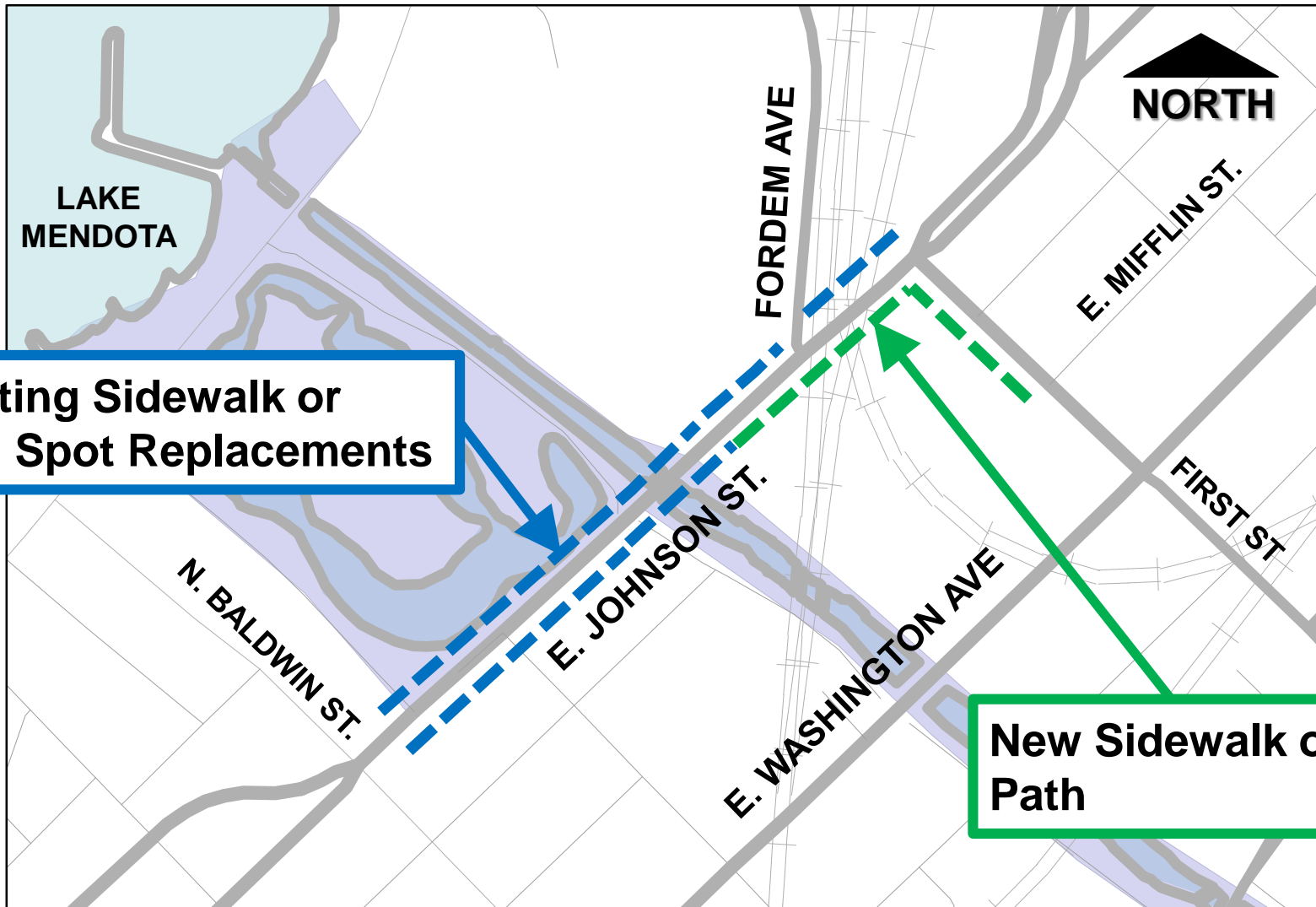


Overview of First Street Improvements

**Benefits for
Pedestrians and Bikes**



Sidewalk Improvements



Existing Sidewalk or Path Spot Replacements

New Sidewalk or Path

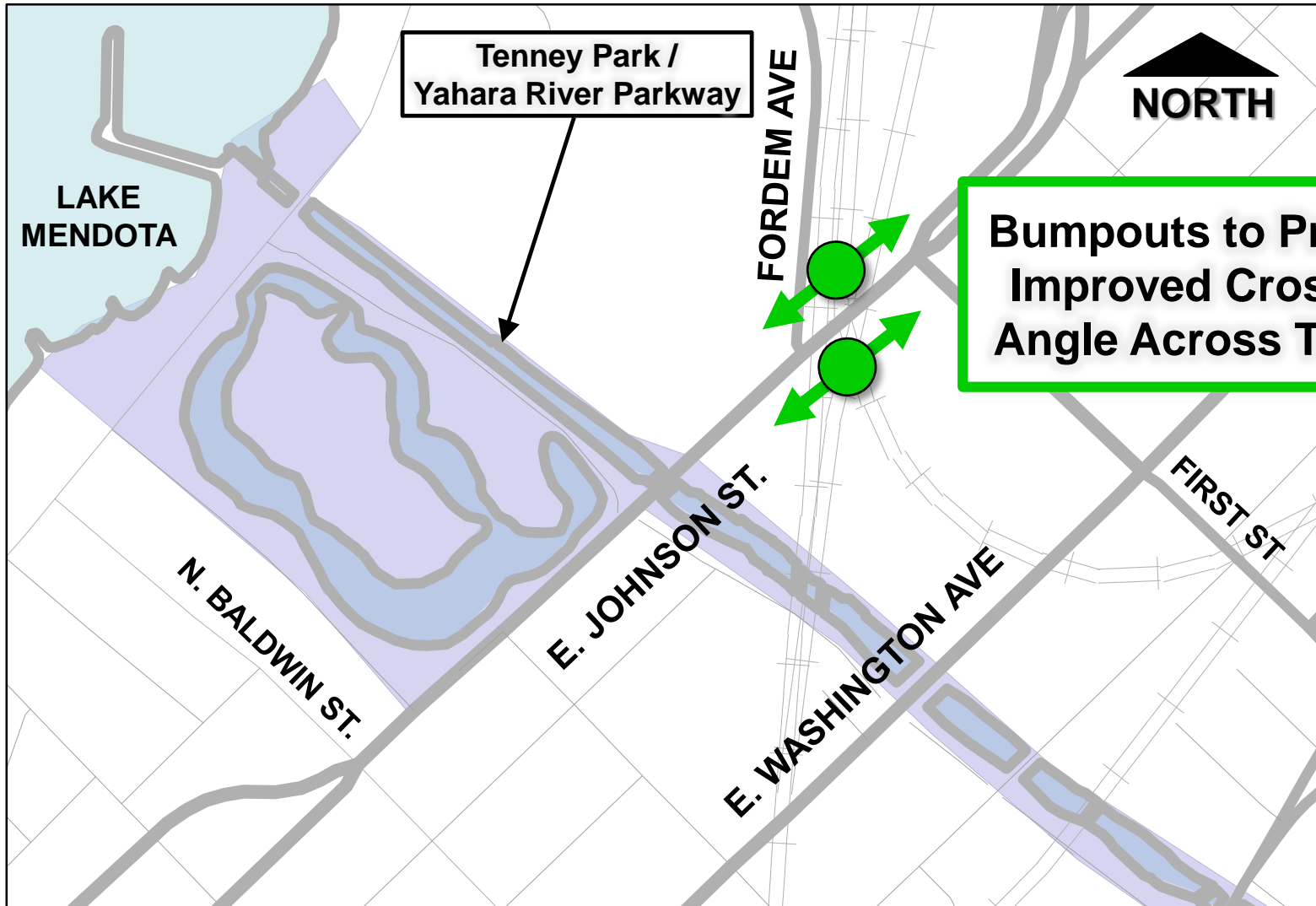


Crossing Improvements

- ADA Compliant curb ramps will be provided.
- Crosswalks will be marked.
- Will look at similar colored crosswalk markings (shown in picture) as needed.



Railroad Crossing Improvements



Bumpouts to Provide Improved Crossing Angle Across Tracks



Railroad Crossing Improvements

- Reconstructed roadway will match the new crossing surface installed in 2015.
- Improvements will be made to the angle of crossing for on-street bike lanes and sidewalk.



Railroad Crossing Improvements (Bikes)



On-Street Bike Lane will Cross at Improved Angle to Help Avoid Bike Tires Getting Caught Between Panel and Rail.

New Concrete Panel Crossing Installed in 2015 (To Remain)



Railroad Crossing Improvements (Sidewalk)



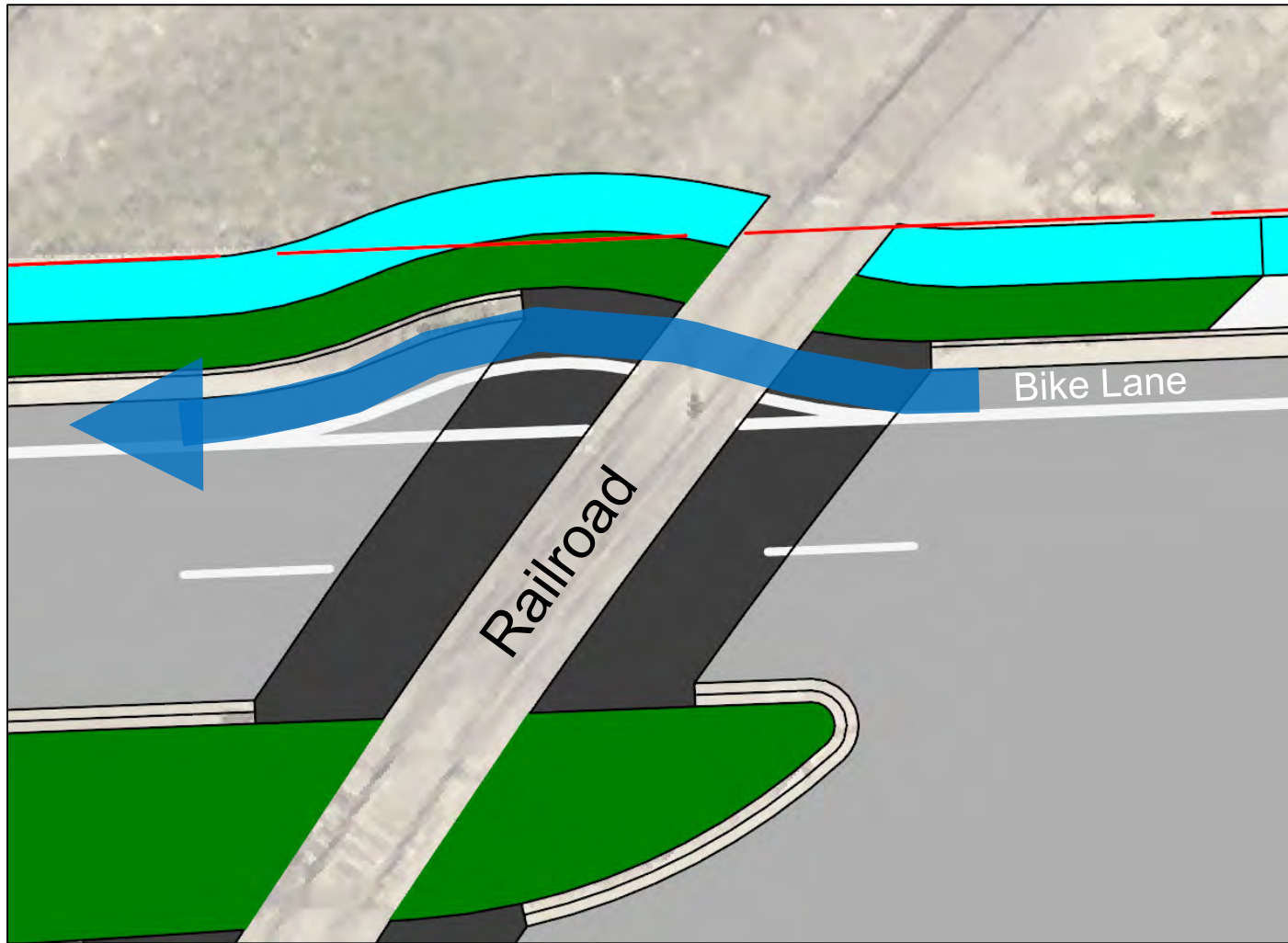
Sidewalk will Cross at Improved Angle to Help Avoid Wheelchair and Bike Tires Getting Caught Between Panel and Rail.

Additional Concrete Crossing Panel to be Installed to Accommodate Sidewalk Bumpout.

New Concrete Panel Crossing Installed in 2015 (To Remain)



Railroad Crossing Improvements



Staging of Traffic During Construction

- E. Johnson Street will remain open to traffic during construction:
 - One travel lane in each direction
 - Left-turn lanes at intersections (if space allows)
 - Sidewalk on one side of the roadway open at any given time.



Lighting

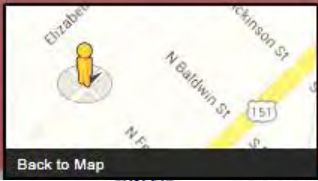
- Combination of shorter pedestrian lights with taller “standard” light poles.



E Johnson St
Madison, Wisconsin

Street View - Oct 2015

“Standard” Light Pole



Google

E Johnson St
Madison, Wisconsin

Street View - Oct 2015

Pedestrian
Light Pole

Google

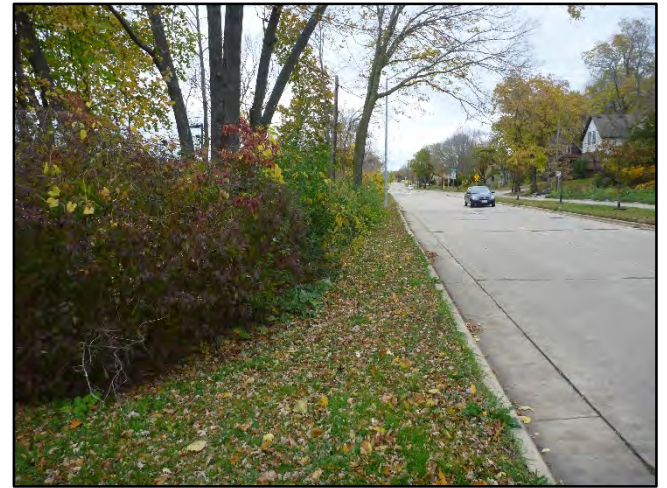
Impacts to Park Spaces / Section 4(f) Resources & Historic Properties

- Tenney Park/Yahara River Parkway
 - Public Park Space
 - On National Register of Historical Places
 - City of Madison Landmarks



Impacts to Park Spaces / Section 4(f) Resources & Historic Properties

- Scope of Impacts Anticipated:
 - Not anticipating impacts however may need temporary easements adjacent to Tenney Park to match in construction.
 - Grading limited to grass areas (no trees, equipment or other fixtures anticipated to be impacted).
 - The Yahara River Bridge will not be reconstructed.



Anticipated Costs

- Preliminary Roadway Cost of about \$4.9 Million.
 - Roadway partially funded with Federal funds.
 - Property owners will be assessed for the local share per City policy.
- Preliminary Sanitary and Water Cost of about \$0.9 Million.
 - No Federal funds.
- Total Cost for Project is about \$5.8 Million.



Standard Assessment Policy for Projects with Federal Funding

- Assessment policy applies to all projects.
- Existing concrete curb & gutter, existing sidewalk & driveway aprons: Federal 60%, Owners 20%, City 20%
- Water, storm sewer and sanitary sewer main paid for by City, except:
 - Private storm connection 50% assessable
 - Sanitary lateral 75% City / 25% Property Owner
- Street lighting 60% Federal and 40% Property Owner.



Additional Information/Stay Up-to-Date

- Project Website
 - Project Contact Info.
 - PDF of this Presentation
 - PDF of Preliminary Plans
 - Sign-Up for Project Updates

The screenshot shows the City of Madison Engineering website for the Johnson St, East project. The page includes a navigation menu with links for Home, Bike, Road Construction, City Facilities, Sewer/Storm, and Resources. The project name "Johnson St, East" is prominently displayed. A map shows the project location in Madison, WI, near the intersection of Johnson St and Mifflin St. The project details section lists the project type as Road Construction, the location as 1400 E. Johnson St, Madison, WI, the area as East, the estimated schedule from 03/15/2019 to 10/31/2019, and the project status as In Design. The project contact information is provided as Chris Petykowski, (608) 267-8678, and cpetykowski@cityofmadison.com. There is also an "Active Project List" dropdown and a "Subscribe to Email List" section with an email input field.

<http://www.cityofmadison.com/engineering/projects/johnson-st-east>



Questions





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