



South River Street Bridge Replacement - Project No. 48-198
Connecticut River Access Multipurpose Path - Project No. 48-190



Public Hearing

April 17, 2019



General Information

- Speaker Sign In Sheet

“Attendees who plan to speak are required to sign in.”

- General Sign In Sheet

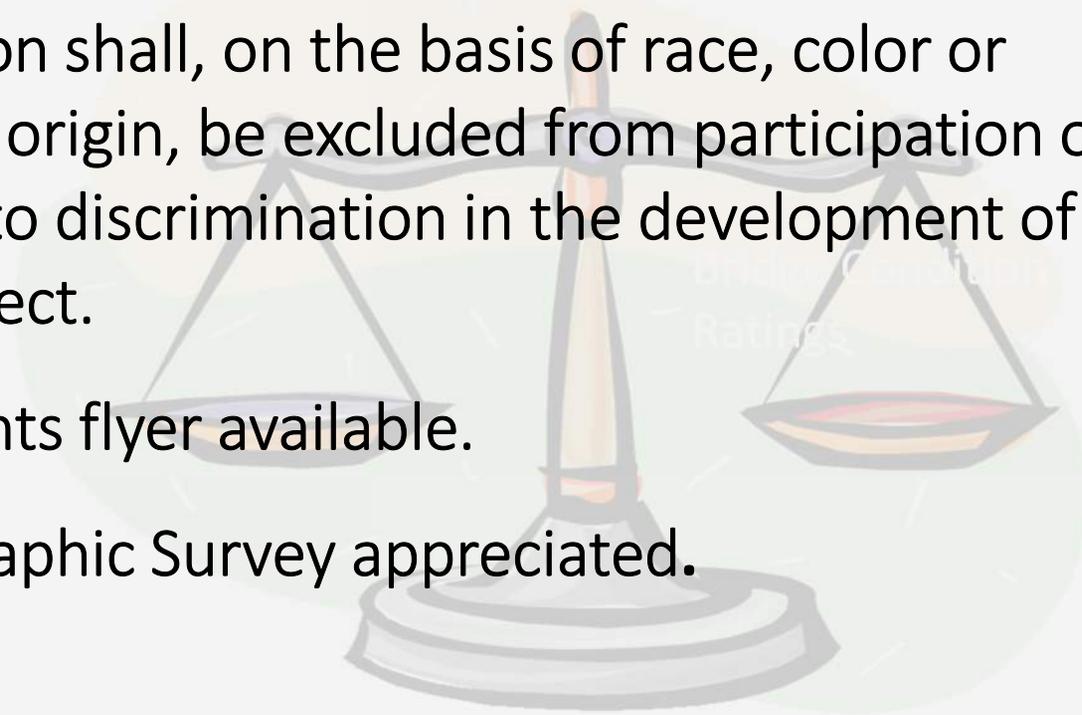
“No attendee is required to register or sign in if not speaking, however, we are asking attendees on a strictly volunteer basis to provide their contact information in order to collect demographic data to help determine the effectiveness of outreach efforts.”

- Meeting Handout



General Information

- No Person shall, on the basis of race, color or national origin, be excluded from participation or subject to discrimination in the development of this project.
- Civil Rights flyer available.
- Demographic Survey appreciated.



Hearing Agenda

- Introduction - Priti Bhardwaj, CT Dept. of Transportation
- Opening remarks – Donald Nunes, Town of Enfield
- South River Street Bridge Replacement Project - Paul Brand, GM2
- CT River Access Project - Dominick Celtruda, BL Companies
- Rights-of-Way Presentation - Dennis McDonald, CT Dept. of Transportation
- Public Comments





South River Street Bridge - Project No. 48-198



EnfieldConnecticut



Project Team

- **Town of Enfield**

- Donald Nunes – Director of Public Works
- John Cabibbo, P.E. – Assistant Town Engineer

- **CT Department of Transportation**

- Rabih Barakat, P.E. – Principal Engineer
- Priti Bhardwaj, P.E. – Supervising Engineer
- Marc Byrnes, P.E. – Project Engineer

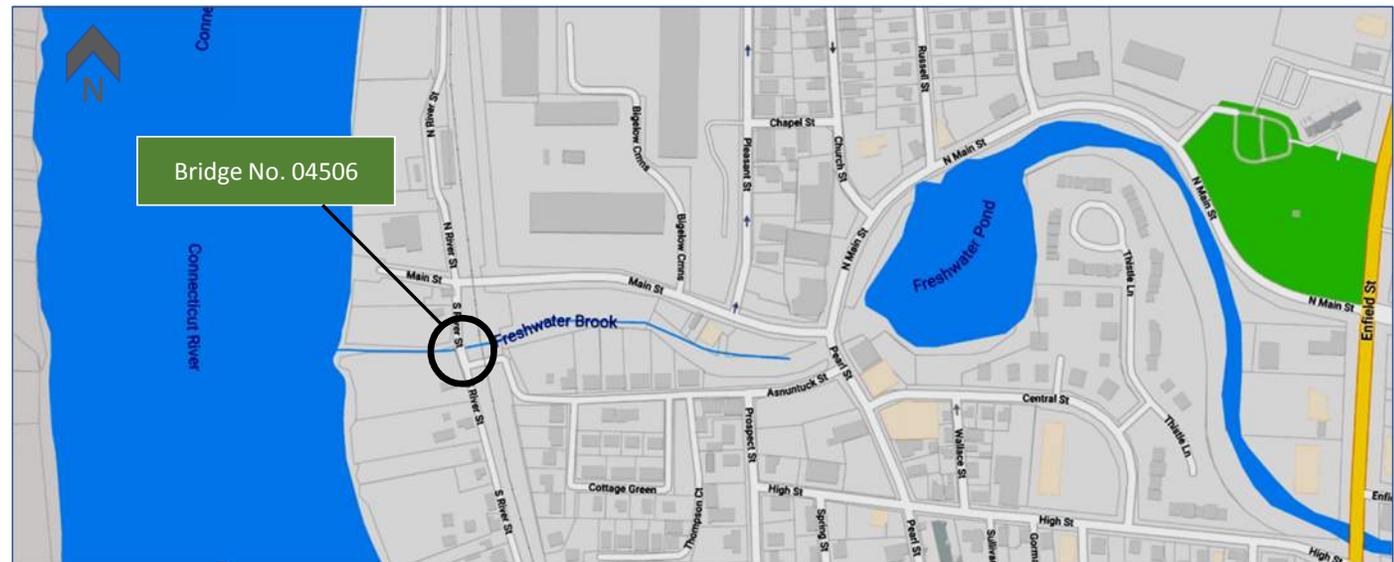
- **GM2 Associates**

- Paul Brand – Project Manager



Project Location

- Bridge No. 04506, South River Street over Freshwater Brook



Project Location

- Bridge No. 04506, South River Street over Freshwater Brook



Existing Bridge

Looking north



South River Street Bridge Replacement Project



EnfieldConnecticut

Existing Bridge

Looking south



South River Street Bridge Replacement Project



EnfieldConnecticut

Existing Bridge

- Originally constructed in 1920
- Rehabilitated in 1970
- 38 ft. long
- Curb-to-curb width on the bridge is 22 ft.



Existing Bridge

- Bare reinforced concrete deck on steel girders
- Supported by stone masonry abutments and wingwalls



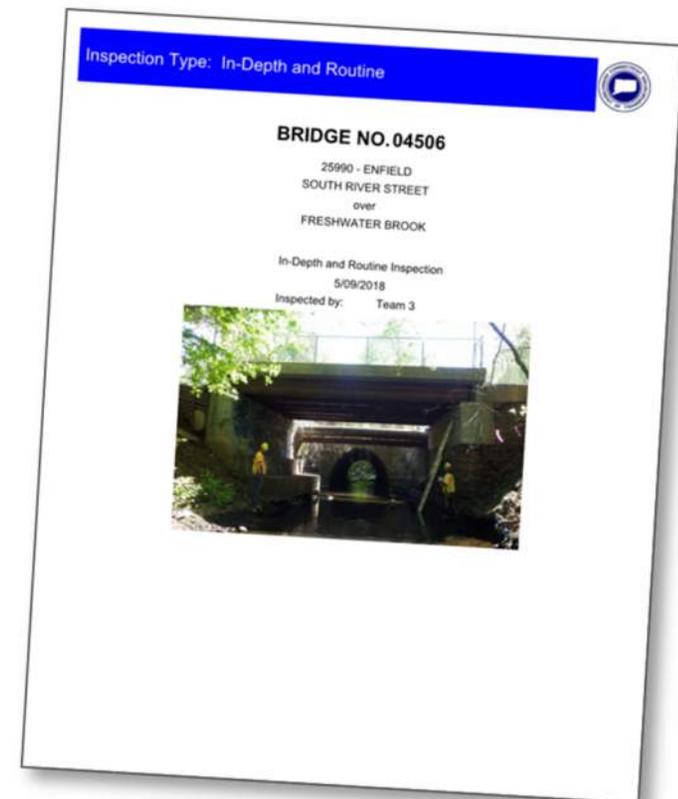
Existing Roadway & Safety Deficiencies

- No bridge rail or concrete barrier (6-1/2 ft. chain link fence)
- No guiderail on road approaches
- North side approach roadway is 17 ft. wide
- South side approach roadway is 18 ft. wide



Existing Bridge

- CTDOT May 2016 bridge inspection found deteriorated structural conditions.
- Project initiated under Federal Local Bridge Program.
- CTDOT May 9, 2018 bridge inspection found further deterioration.



Existing Bridge

CTDOT May 9, 2018 bridge inspection...

- **Steel plate bearings** – heavy rusting, section losses
- **Beam ends** - heavy laminar rust; area over 50% loss along flanges and webs
- **Beams** - perforations, heavy laminar rust, section losses



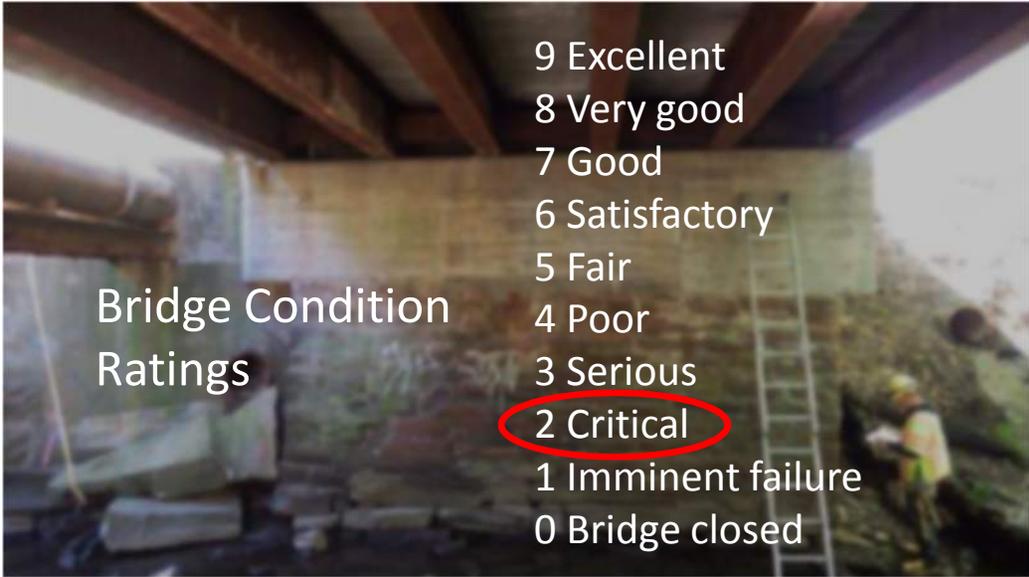
Existing Bridge

- Bridge is structurally deficient
- In Critical Condition (rating = 2)



Existing Bridge

- Bridge is structurally deficient
- In Critical Condition (rating = 2)



Existing Bridge

- Bridge was closed May - October 2018
- Temporary repair has allowed bridge to be reopened.
- Bridge rehabilitation would be impractical



Existing Bridge

- Bridge was closed May - October 2018
- Temporary repair has allowed bridge to be reopened.
- Bridge rehabilitation would be impractical



Proposed Project

- **Purpose and Need** of the project is to address the structural and safety deficiencies of the bridge.



Proposed Project

- **Purpose and Need** of the project is to address the structural deficiencies of the bridge.
- **Other project goals...**
 - Widen and design South River Street to conform to design standards
 - Protect existing 24" cast iron sanitary sewer main (5 million gals per day) and junction chamber just east of bridge
 - Provide pedestrian access across bridge in conjunction with CT River Access Project



Proposed Project

- **Goals cont'd...**

- Minimize impacts to the travelling public
- Minimize property impacts
- Minimize construction time
- Minimize costs

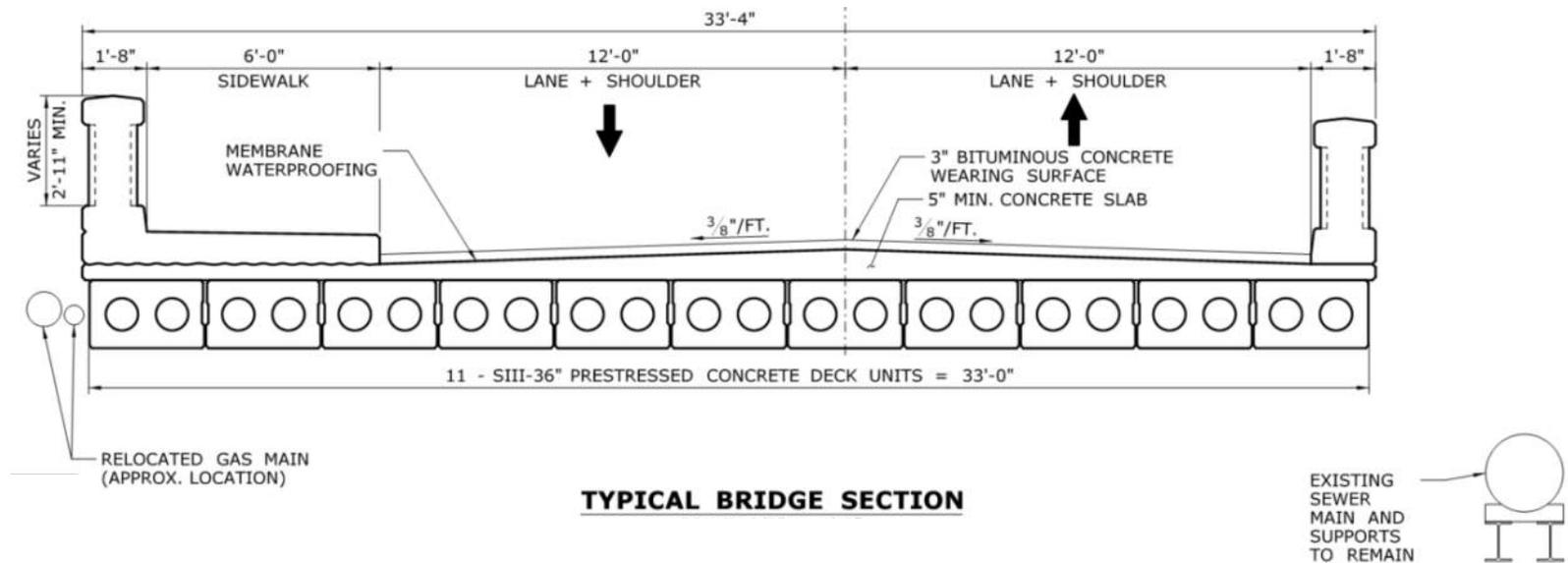


Proposed New Bridge

- Curb-to-curb width on bridge to be increased from 22 ft. to 24 ft. (34 ft. total width)
- Approach roadways to also be 24 ft. wide (10 ft. lanes + 2 ft. shoulders)
- All design standards will be met, except vertical curvature.

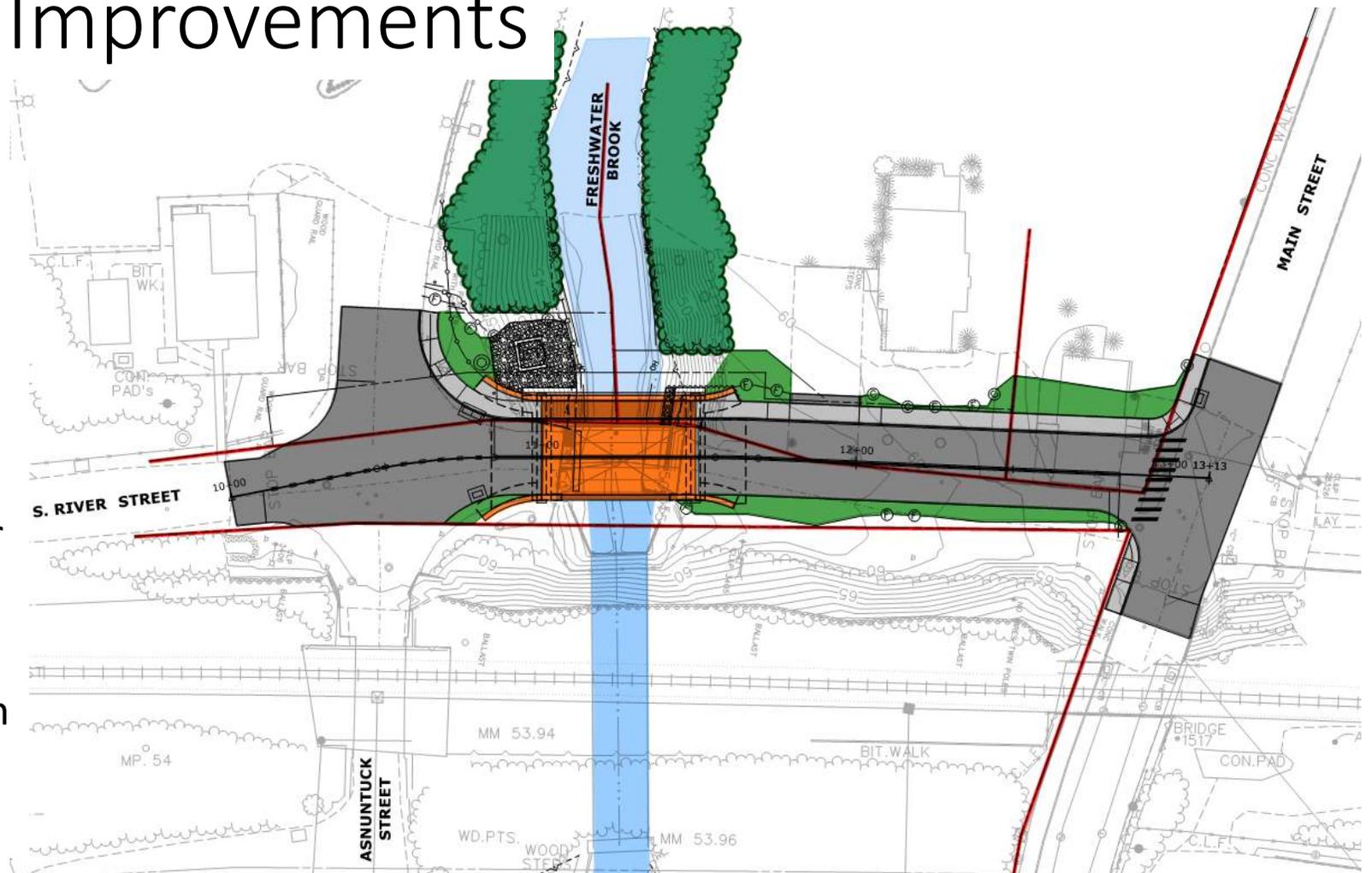


Proposed New Bridge

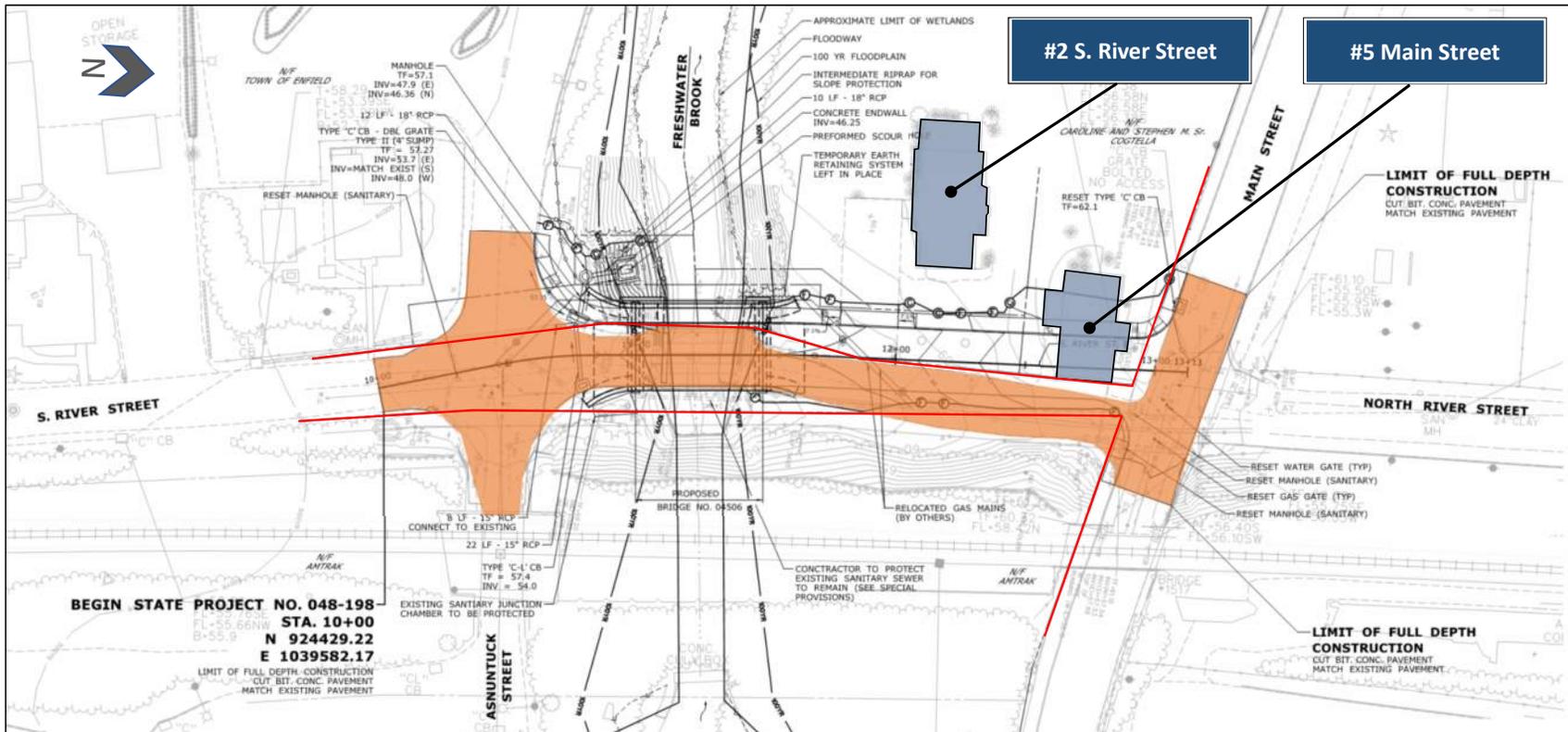


Proposed Improvements

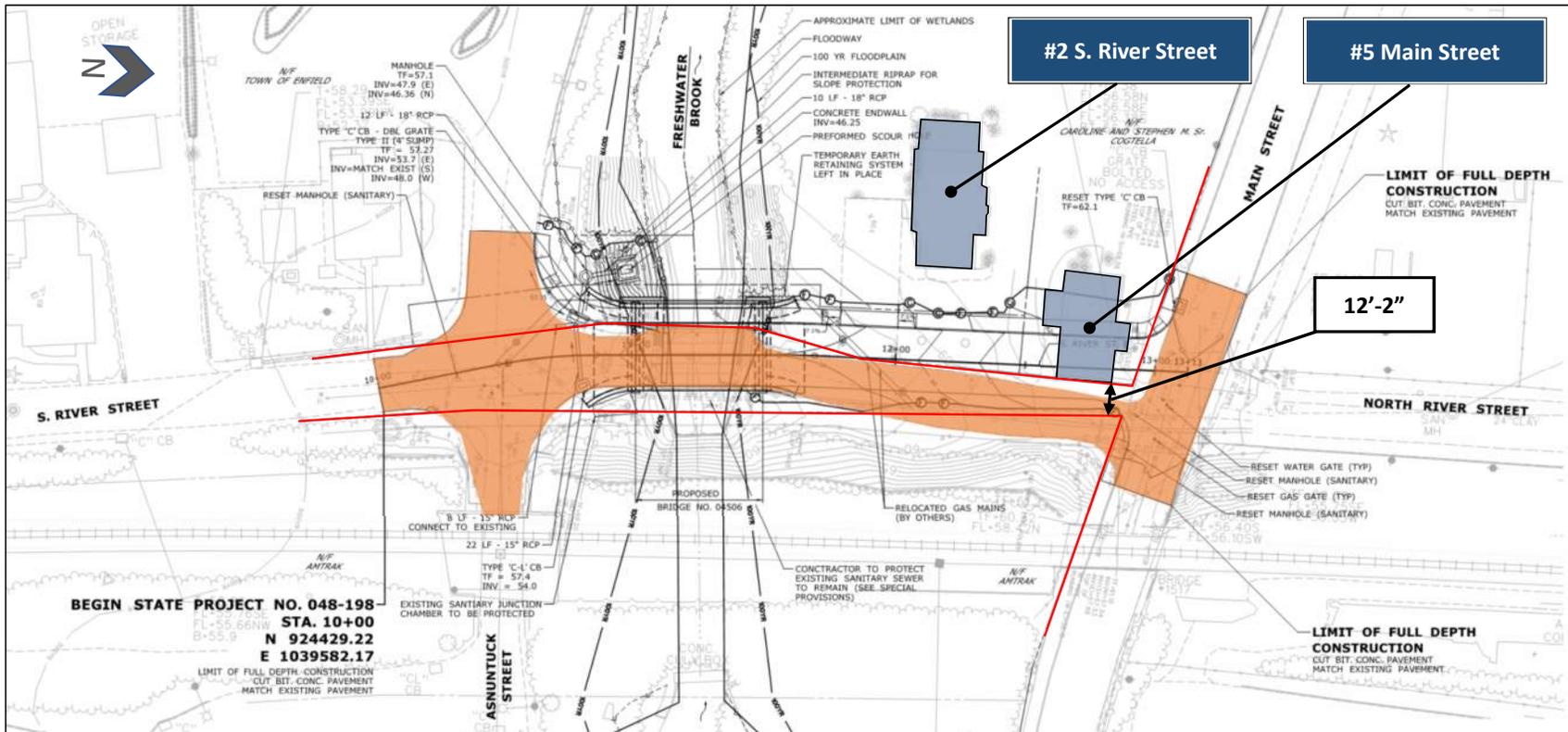
- New approaches to be 24 ft. wide (10 ft. lanes + 2 ft. shoulders)
- 6' wide sidewalk on west side (extends CT River Access Project)
- Drainage improvements on south side of bridge



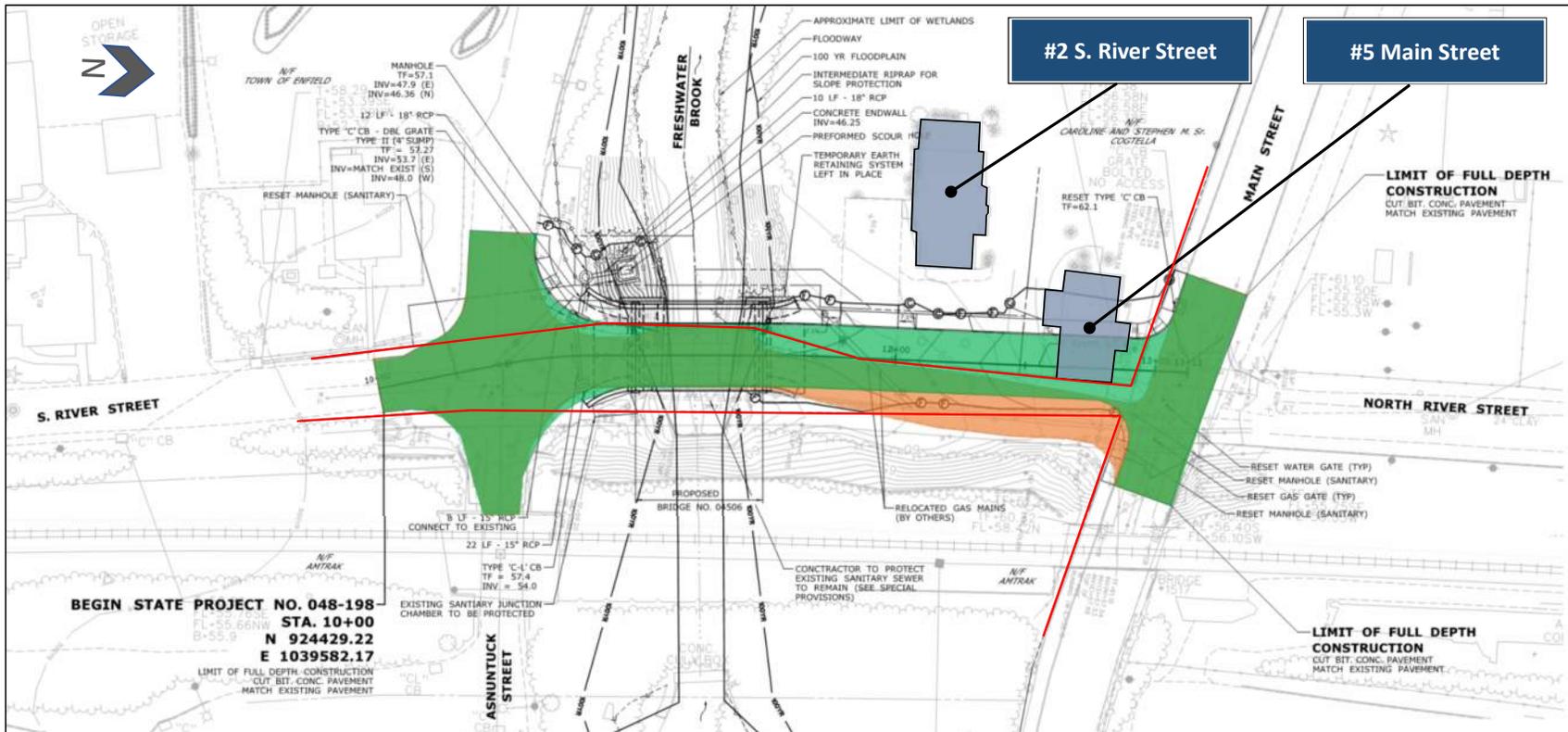
Existing Roadway



Existing Roadway



Proposed Roadway

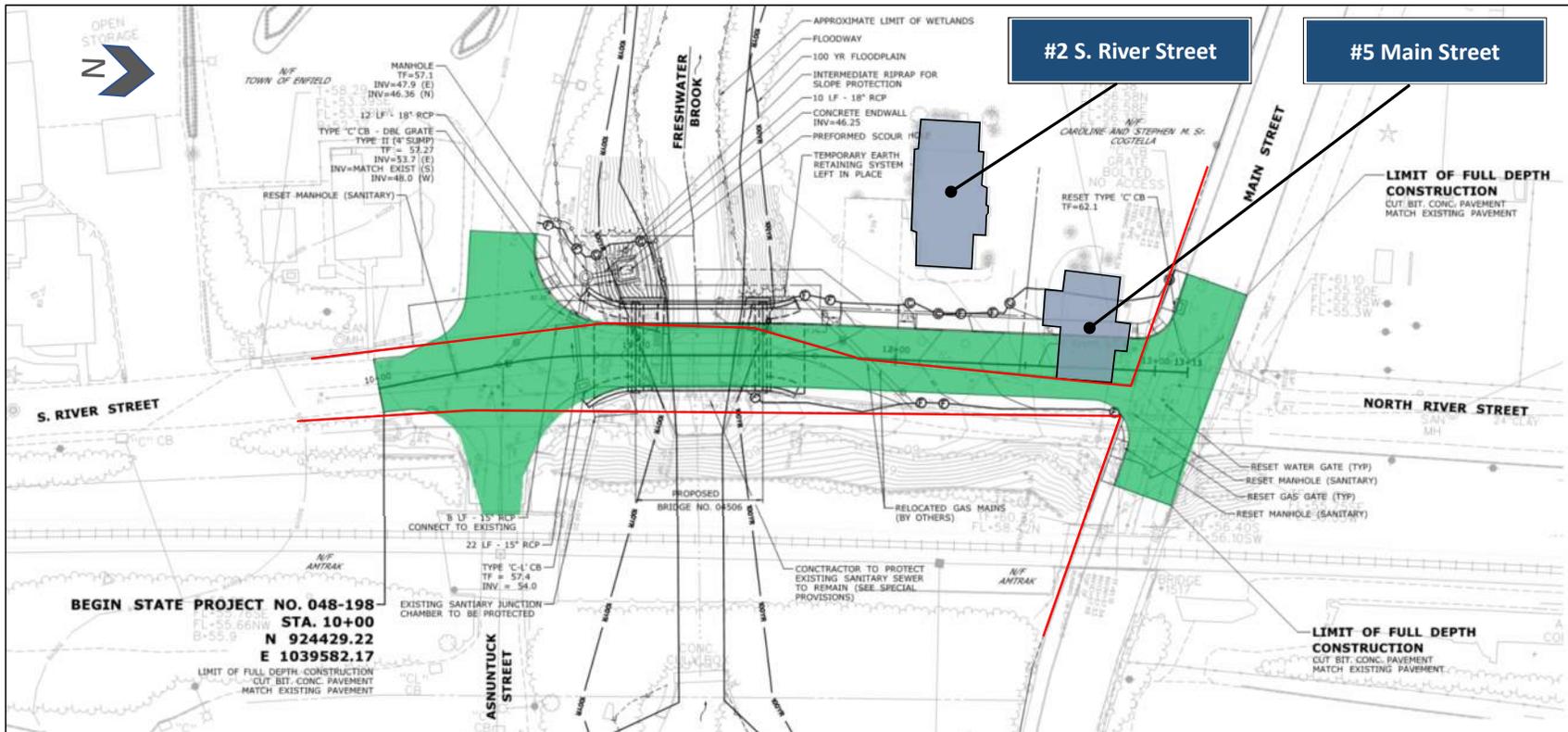


South River Street Bridge Replacement Project

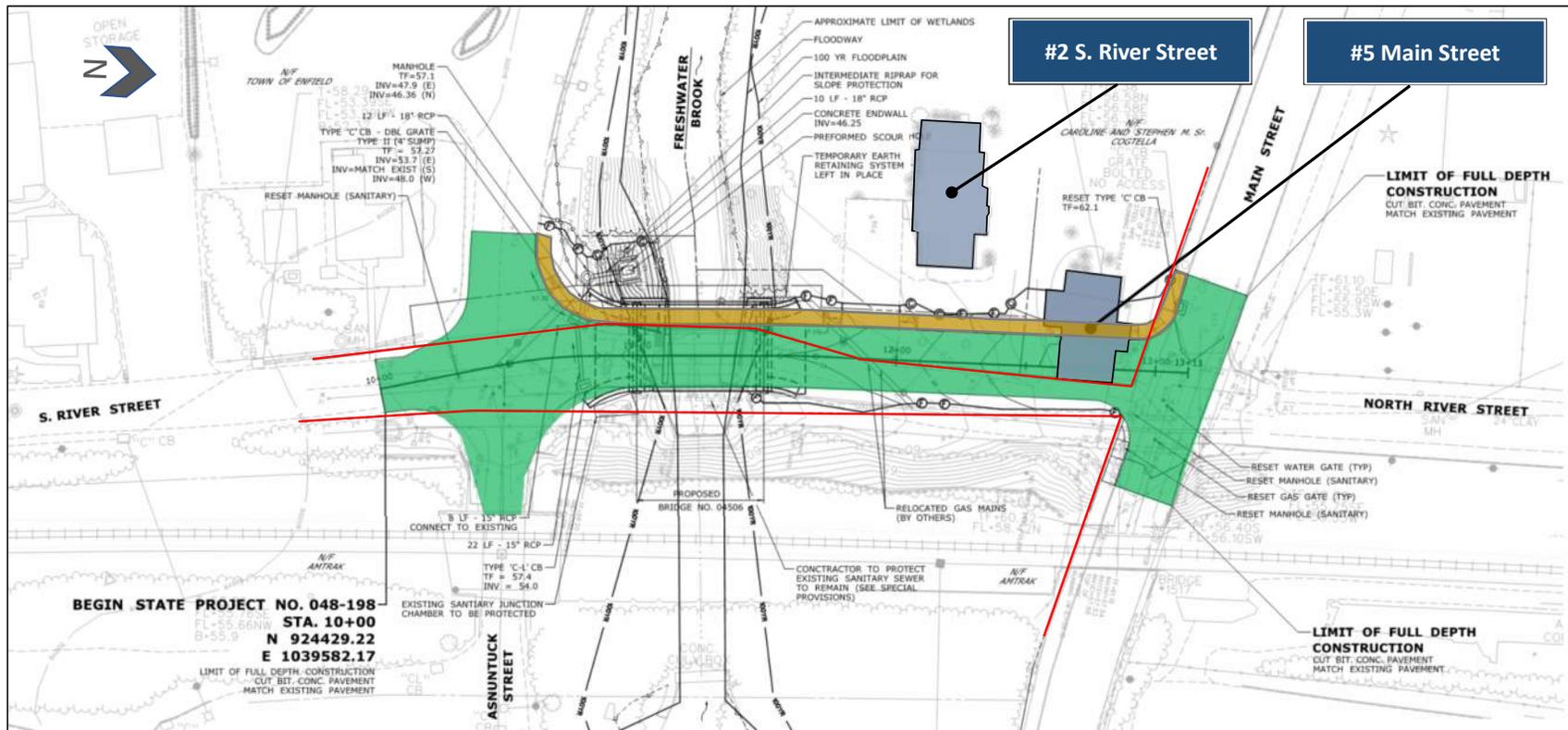


EnfieldConnecticut

Proposed Roadway



Proposed 6-ft.-wide Sidewalk



Maintaining Traffic During Construction



- Temporary closure w/ detour vs. “staged construction” w/o detour
- Staged construction would require additional ROW impacts for staging areas
- Even staged construction would require short-term closures
- Temporary closure will save approximately 10% in costs
- Temporary closure would utilize Accelerated Bridge Construction to minimize closure (4 mos.)

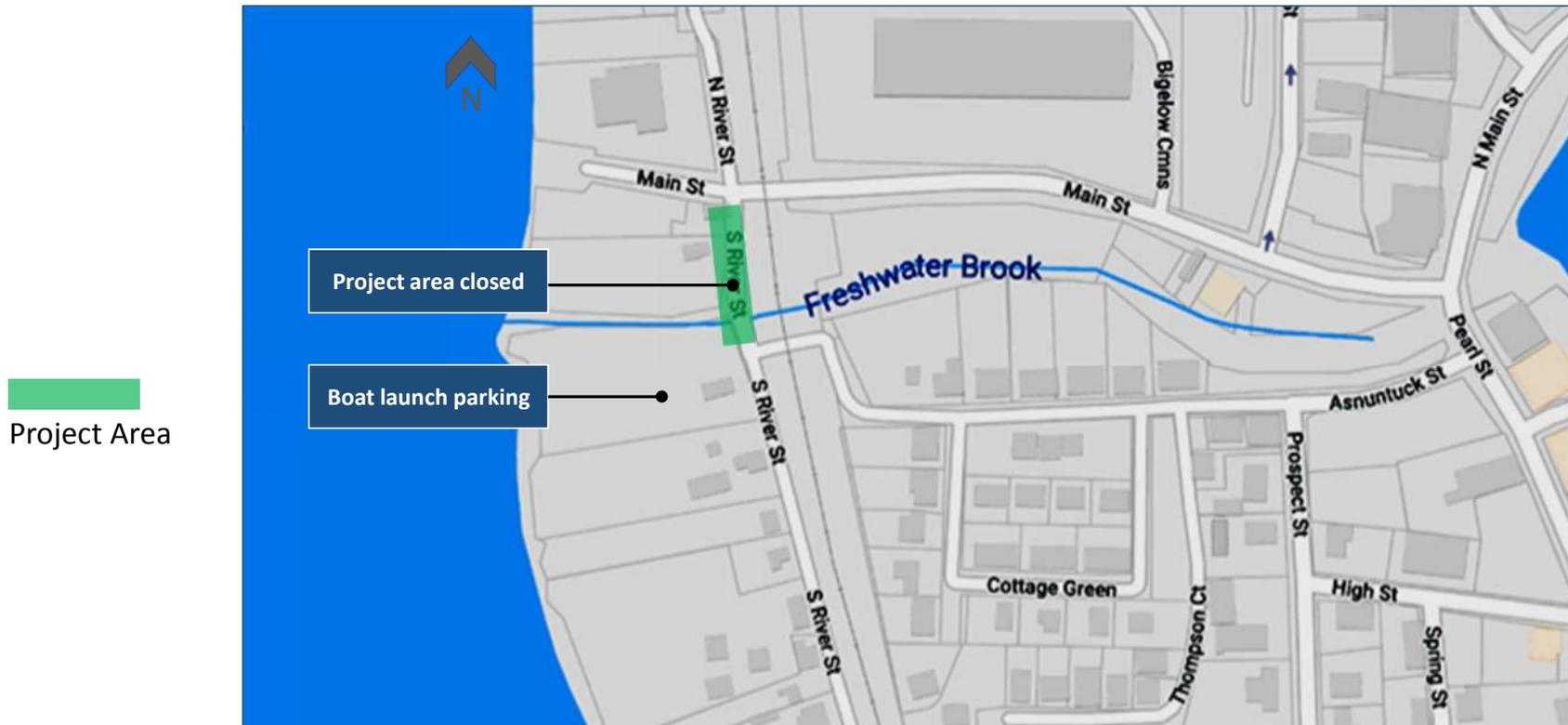
Preliminary Schedule

Milestone	2019												2020												2021																	
	Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4								
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
Final Design							17 mos.																																			
Rights-of-Way Acquisition Process							15 mos.																																			
Advertise for Construction Bids																																										
Open Bids, Contract Award, Notice to Proceed																									3-1/2 mos.																	
Construction																												8 mos.														
In-water work permitted																												4 mos.														
Roadway Closure - Temp. Detour																												4 mos.														

New bridge open to traffic



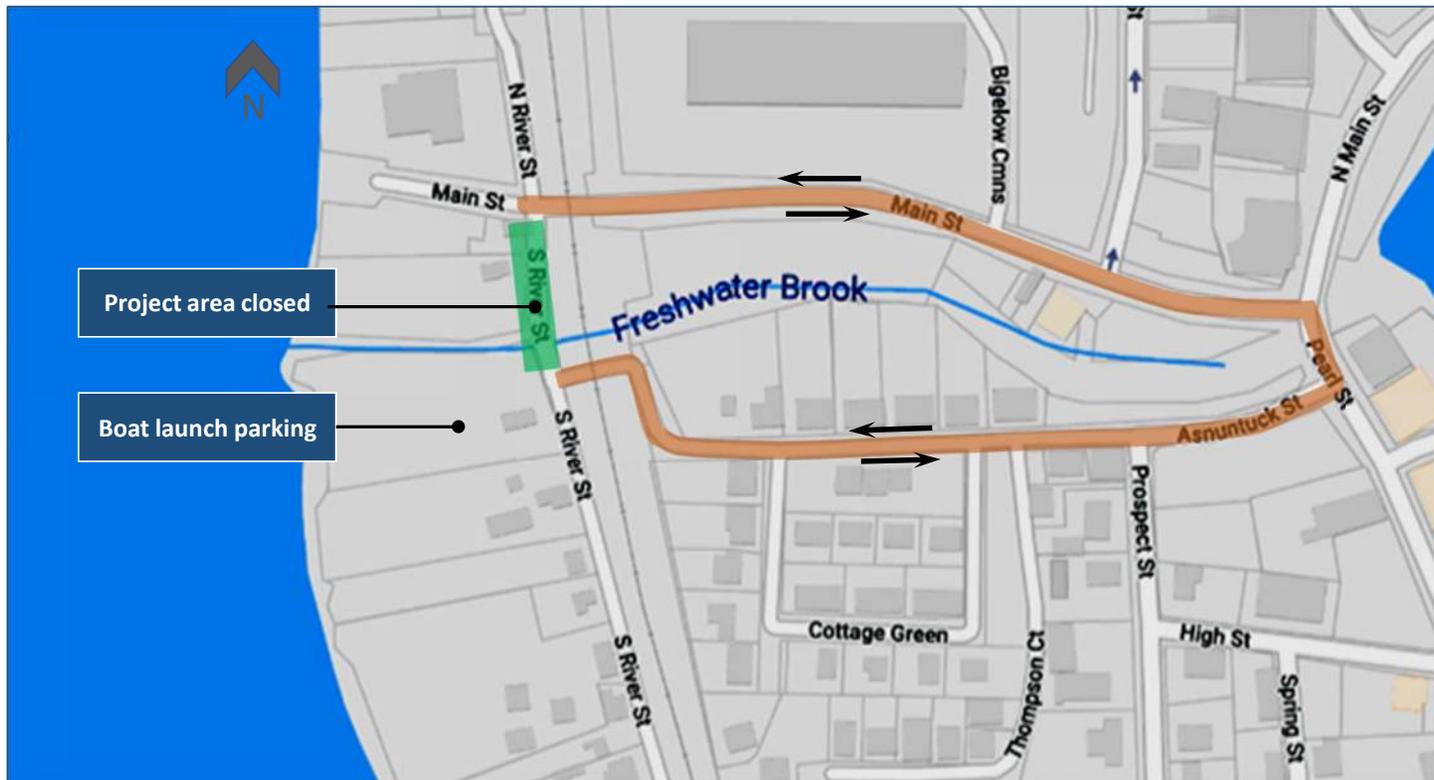
Proposed Detour During Construction



Proposed Detour During Construction

4-month
detour
(0.5 miles)

Detour Route
Project Area



Logistical Issues with Temporary Detour



- Package and oil deliveries
- Emergency services
- Maintenance access for sewage pump station
- Access to boat launch
- Action & Communication plan will be implemented.

Environmental Considerations

- Environmental documentation (under NEPA) – proposed project qualifies as a “Categorical Exclusion.”
- The project requires “Section 4(f)” compliance determination (approval to use land from publicly owned parks, recreational areas, and wildlife or waterfowl refuges)

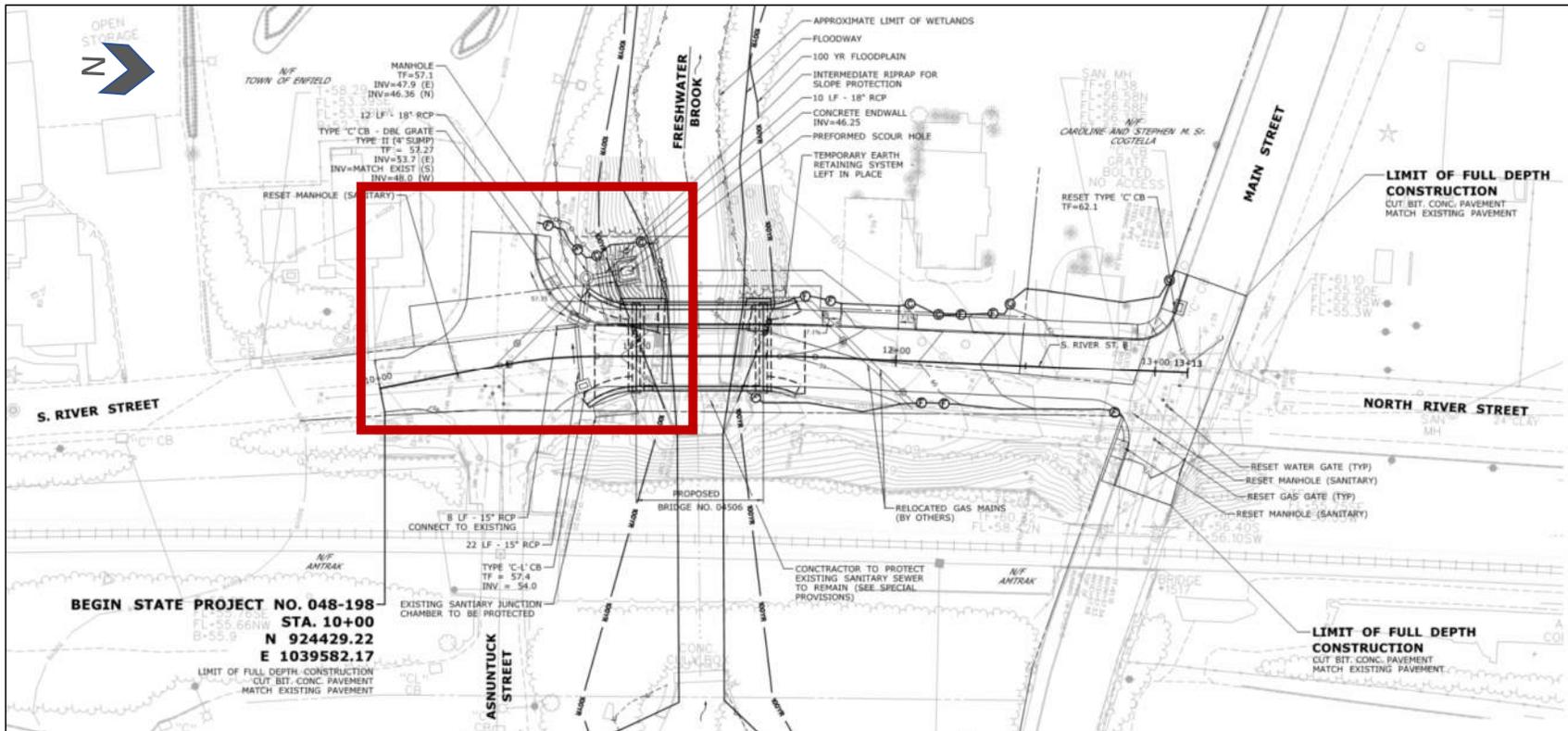


Effects on Boat Launch Property

- Donald W. Barnes Boat Launch is a Section 4(f) property. As proposed, the impacts would be...
 - Partial acquisitions of land
 - Right to remove and relocate wood rail fence
 - Right to install sedimentation and erosion control
 - Right to install sidewalk
 - Right to grade and reconstruct driveway



Effects on Boat Launch Property



South River Street Bridge Replacement Project



EnfieldConnecticut

Effects on Boat Launch Property (place holder)



Effects on Boat Launch Property



Effects on Boat Launch Property

- Preliminary finding is that these impacts constitute a “*di minimis* impact” to the property.
- A *di minimis* impact is one that “will not adversely affect the activities, features, or attributes” of the Section 4(f) property.



Effects on Boat Launch Property

- The public has an opportunity to comment, on the project's effects on the activities, features, or attributes of the property. (2-week comment period will close May 1, 2019)
- The Town of Enfield must concur with the proposed *di minimis* impact determination.



Environmental Permits

- CTDOT Flood Management
- US Army Corps of Engineers, General Permit #19
- Town of Enfield Inland Wetlands and Watercourses



Cost Estimate and Funding

- Total construction cost of bridge is approximately \$2.4 million.
- Funding is 80% Federal, 20% Town, (CTDOT's Federal Local Bridge program)



U.S. Department
of Transportation
**Federal Highway
Administration**





Connecticut River Access Multipurpose Path – Project No. 48-190



EnfieldConnecticut



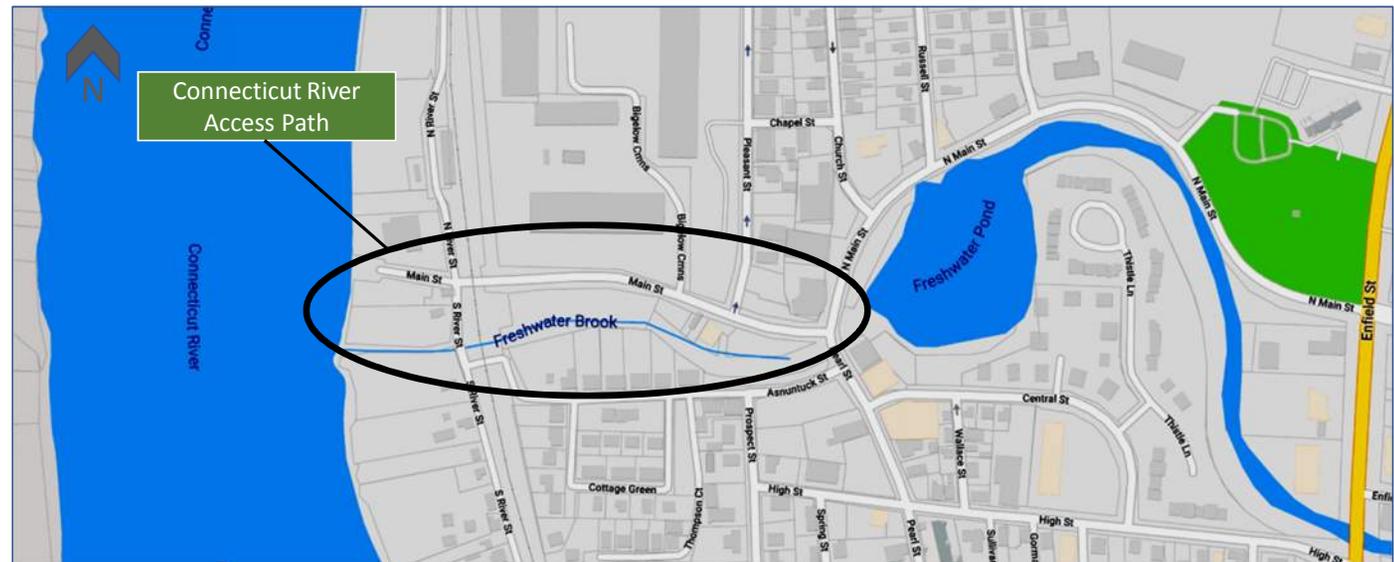
Project - Team

- Town of Enfield
 - Lauren Whitten – Director of Development Services
 - Nelson Tereso – Deputy Director of Economic & Community Development
 - John Cabibbo P.E. – Assistant Town Engineer
- Connecticut Department of Transportation
 - Scott Roberts P.E. – Project Manager – Highway Design
 - Jon Dean P.E. – Project Engineer – Highway Design
- BL Companies
 - Dominick Celtruda PLA – Project Manager



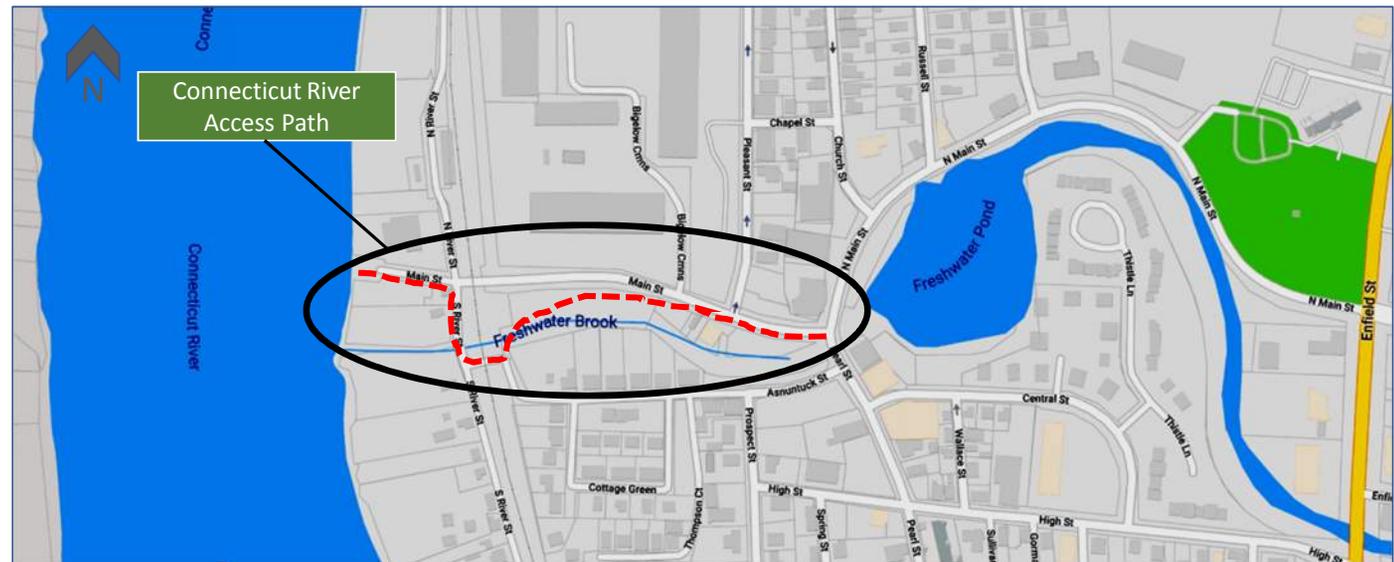
Project - Location

- Connecticut River Access Multipurpose Path State Project No. 48-190



Project - Location

- Connecticut River Access Multipurpose Path State Project No. 48-190

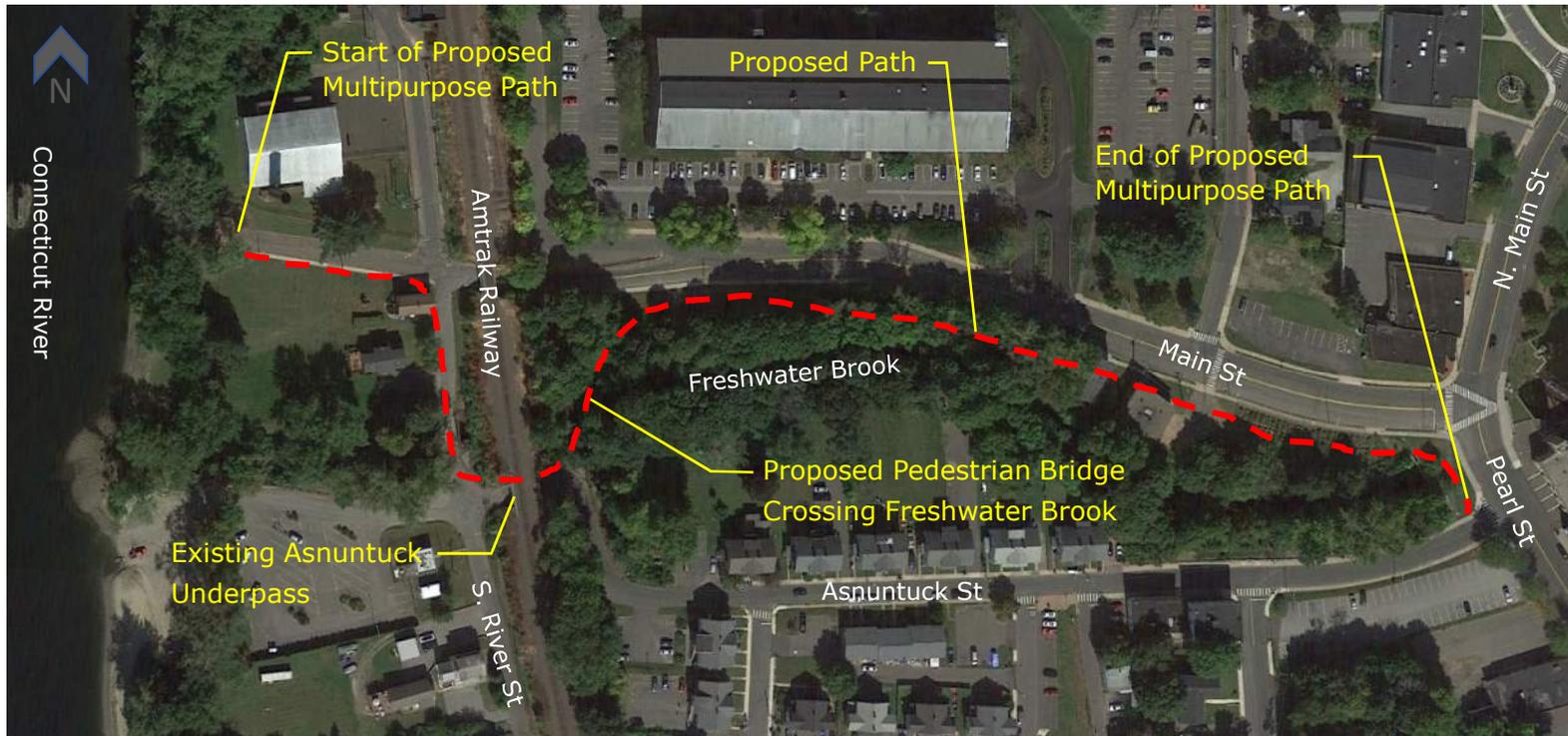


Project - Location

- Connecticut River Access Multipurpose Path
State Project No. 48-190
- South River Street Bridge Replacement Project
State Project No. 48-198
- Thompsonville Rail Station Project
State Project No. 320-017
- Transit Oriented Design and Economic Development Project
Town of Enfield



Project - Location



Project - Background

■ History

- Federal earmark to “Construct High Speed Rail Crossing to Bike and Pedestrian Trails-Enfield CT”

■ Purpose and Need

- Construct High Speed Rail Crossing to Bike and Pedestrian Trails in Enfield Connecticut.

■ Project Goals

- Provides a multipurpose path to link active transportation users to the Connecticut River for the use and enjoyment of the public.
- Expands the network of bike and pedestrian access in Connecticut
- Increases public access to the Connecticut River

Project — Proposed Work

- Install an accessible access path to the Connecticut River
- Install pedestrian overlook at the Connecticut River
- Maximize the width of the path
- Restore disturbed areas with native plantings
- Install pedestrian bridge over Freshwater Brook
- Install path site furnishings (benches, seat walls, etc.)

Project — Proposed Work

- Safety and Operational Elements
 - Fencing and guiderails
 - Wayfinding and operational signage
 - Gates and bollards (access control)
 - Improved lighting
 - New crosswalks and signage at roadway intersections

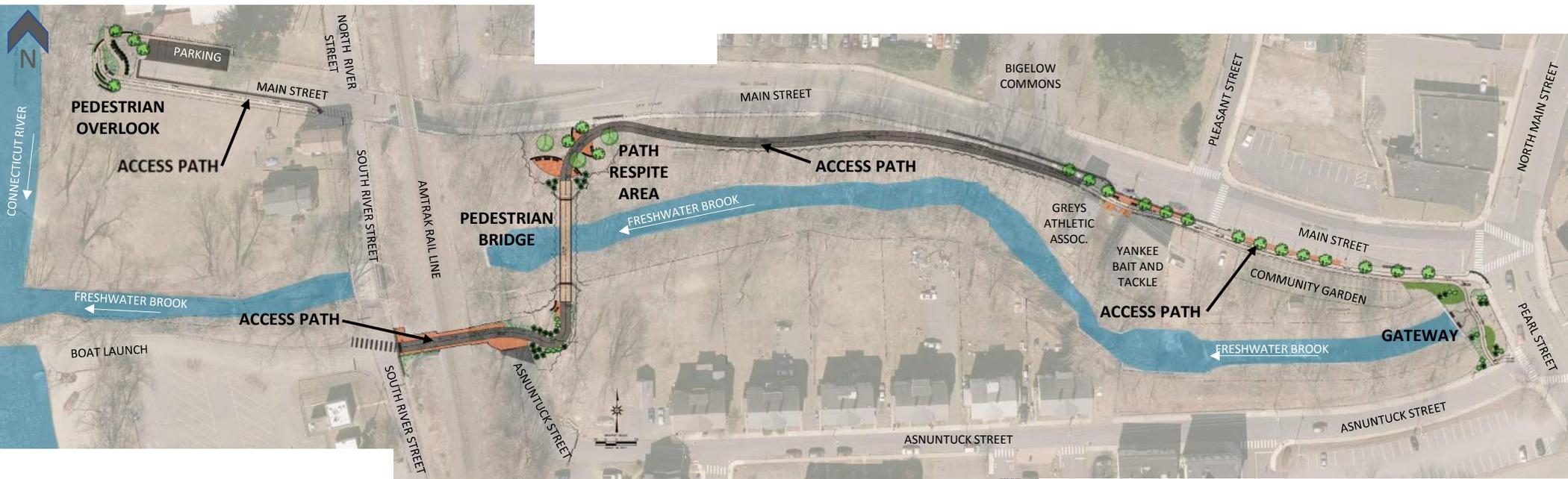
Existing Conditions



Existing Conditions



Project – Proposed Plan



Project – Proposed Nodes

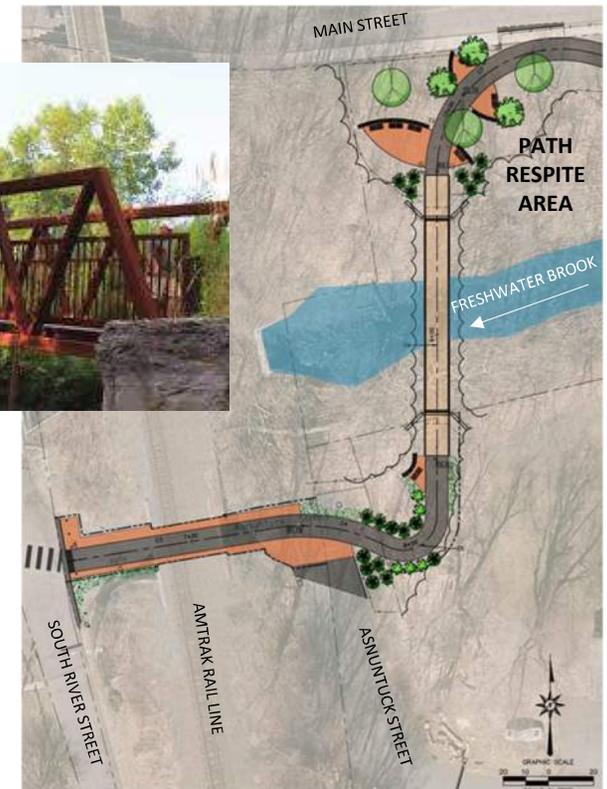
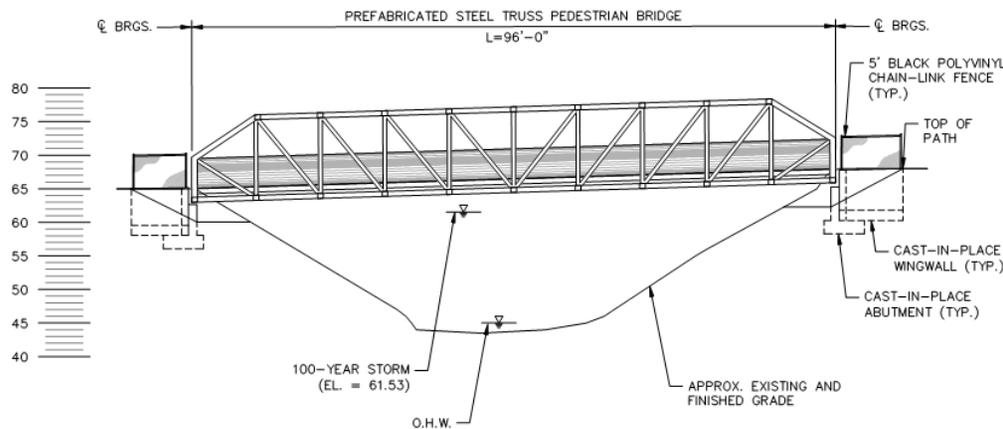


- Connecticut River pedestrian overlook
- Gateway to the access path



Project - Proposed Pedestrian Bridge

- Recommendation is to provide a pedestrian bridge over Freshwater Brook



Project - Potential Path Amenities



Permitting

- Permits will include:
 - CTDOT Flood Management
 - US Army Corps of Engineers, General Permit
 - Town of Enfield Inland Wetlands and Watercourses



Project Costs and Schedule

- Estimated Construction Cost: 2.6 million
(Excluding Utilities, and Rights of Way)
- Anticipated Funding:
 - Federal High Priority Project (HPP) Program Funding
 - 80% Federal, 20% Town
- Schedule:
 - Design Completion: Spring 2020
 - Construction: Fall 2020 through Spring 2021





Department of Transportation - Division of Rights-of Way



EnfieldConnecticut



Coordinator: Dennis McDonald

- Function
 - Acquire all property/property rights necessary for the project.
- Statutory References
 - State of Connecticut: C.G.S. Section 13a-73 & 13a-98e
 - Federal: Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as Amended.
- Impacts to Private Property
 - Acquisitions and Partial Acquisitions
 - Easements
 - Construction Easements
 - Rights
 - * Impacts Subject to Change as Design Progresses



Coordinator: Dennis McDonald

- ROW Process
 - Letter of Intent to Acquire
 - Valuation
 - Offer of Compensation
 - Negotiation
 - Acquisition
 - Agreement
 - Condemnation



Coordinator: Dennis McDonald

- Relocation Benefits

- Advisory Services
- Moving & Related Expenses
- Replacement Housing Payment (Residential)
 - A Right of Way agent will provide detailed relocation information specific to the situation.



Need for Property Rights

Preliminary List of Property Rights Needed				
LOCATION	TAKING AREA	BUILDING PART.	TYPE OF ACQUISITION	REMARKS
5 Main Street	3,050 SF ±	Yes	Total Acquisition	3,050 sf northwest of bridge.
2 South River Street	2,422 SF ±	No	Partial Acquisition	2,422 sf northwest of bridge.
2 South River Street	437 SF ±	No	Temporary Easement	Construction Easement
2 South River Street	25 LF ±	No	Right	Right to install sedimentation and erosion control
2 South River Street	N/A	No	Right	Right to grade. Right to reconstruct driveway
12 South River Street	1,732 SF ±	No	Partial Take	1,732 sf southwest of bridge.
12 South River Street	876 SF ±	No	Drainage R.O.W.	876 sf southwest of bridge
12 South River Street	60 LF ±	No	Right	Right to remove and relocate wood rail fence
12 South River Street	55 LF ±	No	Right	Right to install sedimentation and erosion control
12 South River Street	N/A	No	Right	Right to install sidewalk
12 South River Street	N/A	No	Right	Right to grade and reconstruct driveway

Town of Enfield



Tonight's format for Public Comments

- **We're here to take your comments**
- Please say your name slowly before providing comments
- Should be kept to (3) minutes
- **If you have any questions**, Project Team members are available to answer questions after the speaking portion of tonight's hearing.



Ways to Comment

- Sign up and **speak** tonight
- Fill out **comment forms** and drop in box, hand to team member, or send by mail
- Submit **in writing*** to...

Mr. John Cabbibo
Assistant Town Engineer
820 Enfield Street
Enfield, CT 06082

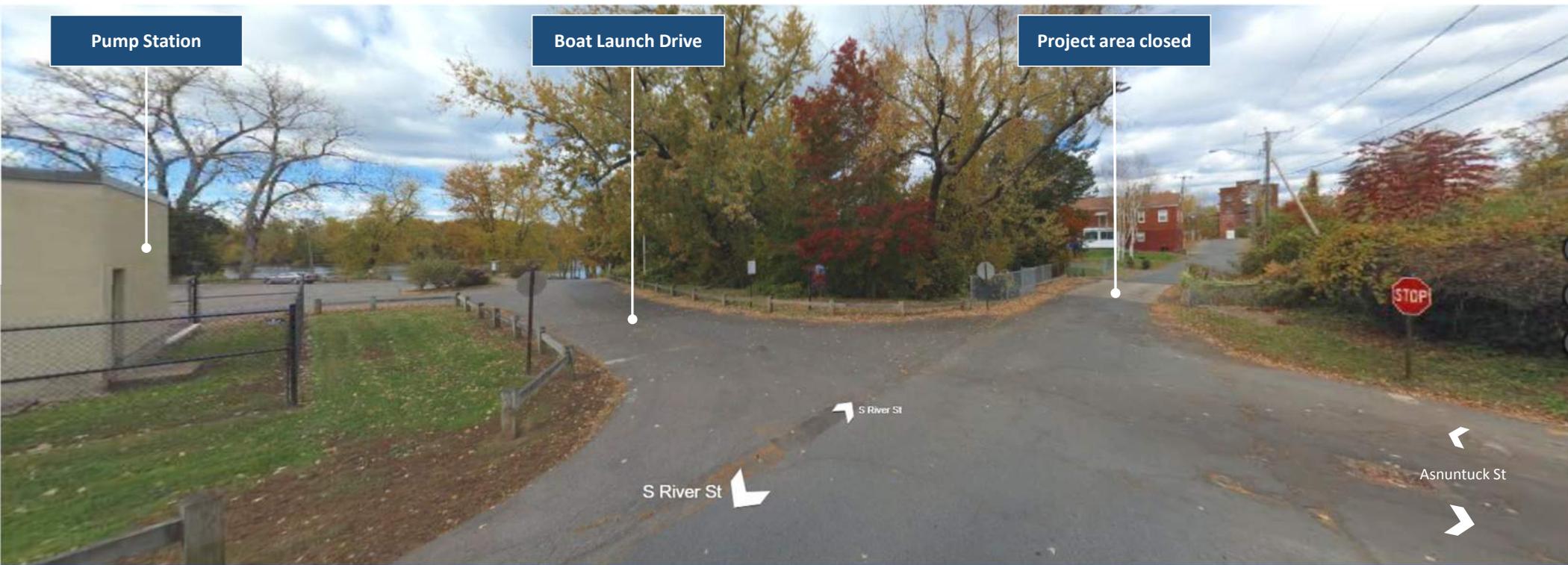


*Comments must be made by
May 1, 2019 (delivered or post
marked)

Thank You!



Logistical Issues with Temporary Detour



Logistical Issues with Temporary Detour

