

State Project No. 0094-0235: Northbound Gold Star Memorial Bridge Rehabilitation  
I-95 Northbound over Thames River, Railroads and Local Roads  
in New London and Groton  
Hybrid Public Information Meeting



**Live Event: Tuesday, April 30, 7:00 p.m.**

Join us for a Question and Answer session following the formal presentation and send us a question or a comment during the session.

**Project Email:**

[DOT.GoldStarBridgeProjects@ct.gov](mailto:DOT.GoldStarBridgeProjects@ct.gov)

**Phone:** (860) 594-2020 (voicemail only)

**Visit the Project Webpage:**

<https://portal.ct.gov/dot/bridges/project-pages/gold-star-memorial-bridge>



A recording of this presentation will be posted after the live event.

La grabación de esta presentación estara disponible despues del evento en YouTube, incluyendo subtítulos y acceso a traducciones en otros idioma

*Rehabilitation of Bridge No. 03819 // State Project No. 0094-0235*



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# Question & Answer Session



by email: [DOT.GoldStarBridgeProjects@ct.gov](mailto:DOT.GoldStarBridgeProjects@ct.gov)



by phone: (860) 594-2020 (voicemail)



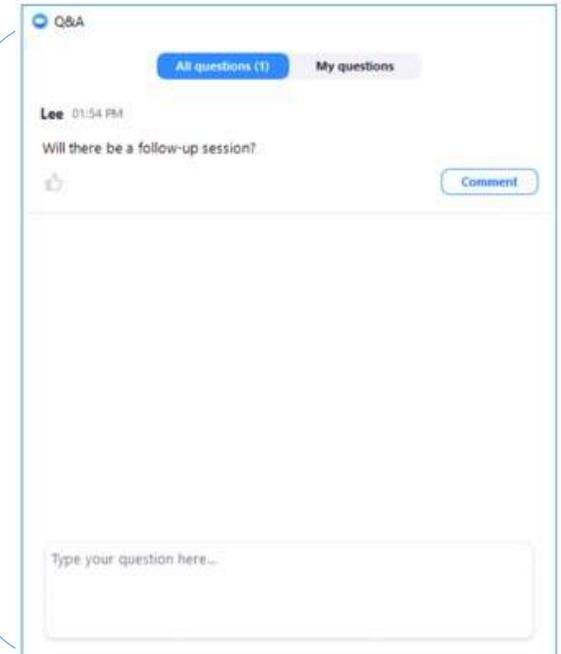
by chat: Zoom Q&A



project webpage:

<https://portal.ct.gov/dot/bridges/project-pages/gold-star-memorial-bridge>

Moderator will answer questions in Zoom Q&A



Note: Comment period is open through **May 14, 2024**.

\*Zoom Q&A is only available during live Q&A session

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



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- (1) Select the Q&A tool at the bottom of the Zoom webinar window.
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(3)



## Title VI – Your Civil Rights

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.

- Voluntary Post-Meeting Survey:

- <https://portal.ct.gov/ctdotsurvey>



- Civil Rights information:

- <https://portal.ct.gov/DOT/Business/Office-of-Equity/Title-VI-Page>

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## Connecticut Department of Transportation Title VI Notice to the Public

- ◊ The Connecticut Department of Transportation (CTDOT) operates its programs and services without regard to race, color, and national origin in accordance with Title VI of the Civil Rights Act. Any person who believes she or he has been aggrieved by any unlawful discriminatory practice under Title VI may file a complaint with the CTDOT.
- ◊ For more information on the CTDOT's civil rights program, and the procedures to file a complaint, contact the CTDOT Title VI Coordinator at (860) 594-2169, TRS 711; Debra.Goss@ct.gov; or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit [www.ct.gov/dot](http://www.ct.gov/dot)
- ◊ A complainant may file a complaint directly with the Federal Transit Administration by filing a complaint with the FTA Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590
- ◊ A complainant may file a complaint directly with the Federal Highway Administration by filing a complaint with the FHWA Office of Civil Rights, Attention: Title VI Program Coordinator, 8th Floor E81-105, 1200 New Jersey Ave., SE, Washington, DC 20590

如需更多信息或免费语言协助，请致电 (860) 594-2109

Para información adicional, o asistencia lingüística gratuita, por favor llame al (860) 594-2109

Per informazioni aggiuntive o assistenza linguistica gratuita, chiamare il numero (860) 594-2109

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Aby uzyskać dodatkowe informacje lub bezpłatną pomoc tłumacza, proszę dzwonić pod numer (860) 594-2109

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Pou jwenn plis enfòmasyon, oswa asistans ak lang gratis, ranpri rele (860) 594-2109

لمزيد من المعلومات أو للحصول على مساعدة لغوية مجانية، يرجى الاتصال بالرقم (860) 594-2109

Si vous souhaitez en savoir plus ou bénéficier d'une assistance linguistique gratuite, merci de composer le numéro suivant (860) 594-2109

अधिक जानकारी या निःशुल्क भाषा संबंधी सहायता के लिए कृपया (860) 594-2109 पर कॉल करें।

추가 정보가 필요하거나 무료 언어 지원이 필요하시면 (860) 594-2109로 전화하십시오

Để có thêm thông tin hoặc hỗ trợ ngôn ngữ miễn phí, vui lòng gọi (860) 594-2109





Departamento de Transporte de Connecticut

## Título VI Aviso al Público

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- ◊ Para más información sobre el programa de derechos civiles del CTDOT y el proceso de presentar una queja, comuníquese con el Coordinadora del Título VI del CTDOT al teléfono (860) 594-2169, TRS 711; Debra.Goss@ct.gov. También puede visitar nuestra oficina administrativa en 2800 Berlin Turnpike, Newington, CT 06131. Para más información, visite [www.ct.gov/dot](http://www.ct.gov/dot).
- ◊ Un denunciante puede presentar una queja directamente ante la Federal Transit Administration si lo hace ante la FTA Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590.
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- ◊ Para recibir más información o ayuda gratuita en otros idiomas, llame al (860) 594-2109.



# Agenda for Tonight's Meeting

- Introduce the Project Team
- Formal Presentation of the Design Progress
  - Explain the condition of existing bridge & describe project Purpose and Need
  - Recommend a viable proposal (Design Plans are 30% complete)
  - Explain anticipated project benefits and impacts
- Open the Forum to your comments and questions



# Project Team -CTDOT



Bart Sweeney,  
P.E.  
Division Chief  
of Bridges  
CTDOT



Bao Chuong,  
P.E.  
Principal  
Engineer  
CTDOT



Tracey Brais,  
P.E.  
Project  
Manager  
CTDOT



Matthew  
Geanacopoulos  
Right-of-Way  
Property Agent  
CTDOT



Luis Alfonzo,  
P.E.  
Project  
Engineer  
CTDOT



# Project Team - HNTB



Jacob Argiro,  
P.E.  
Principal  
In Charge  
HNTB



Emma  
Covington  
Heilbrunn, P.E.  
Project  
Manager  
HNTB



Nick Wild, P.E.  
Deputy Project  
Manager  
HNTB



David  
Schweitzer, P.E.  
Civil Lead  
HNTB



David Geil, P.E.  
Traffic Lead  
HNTB



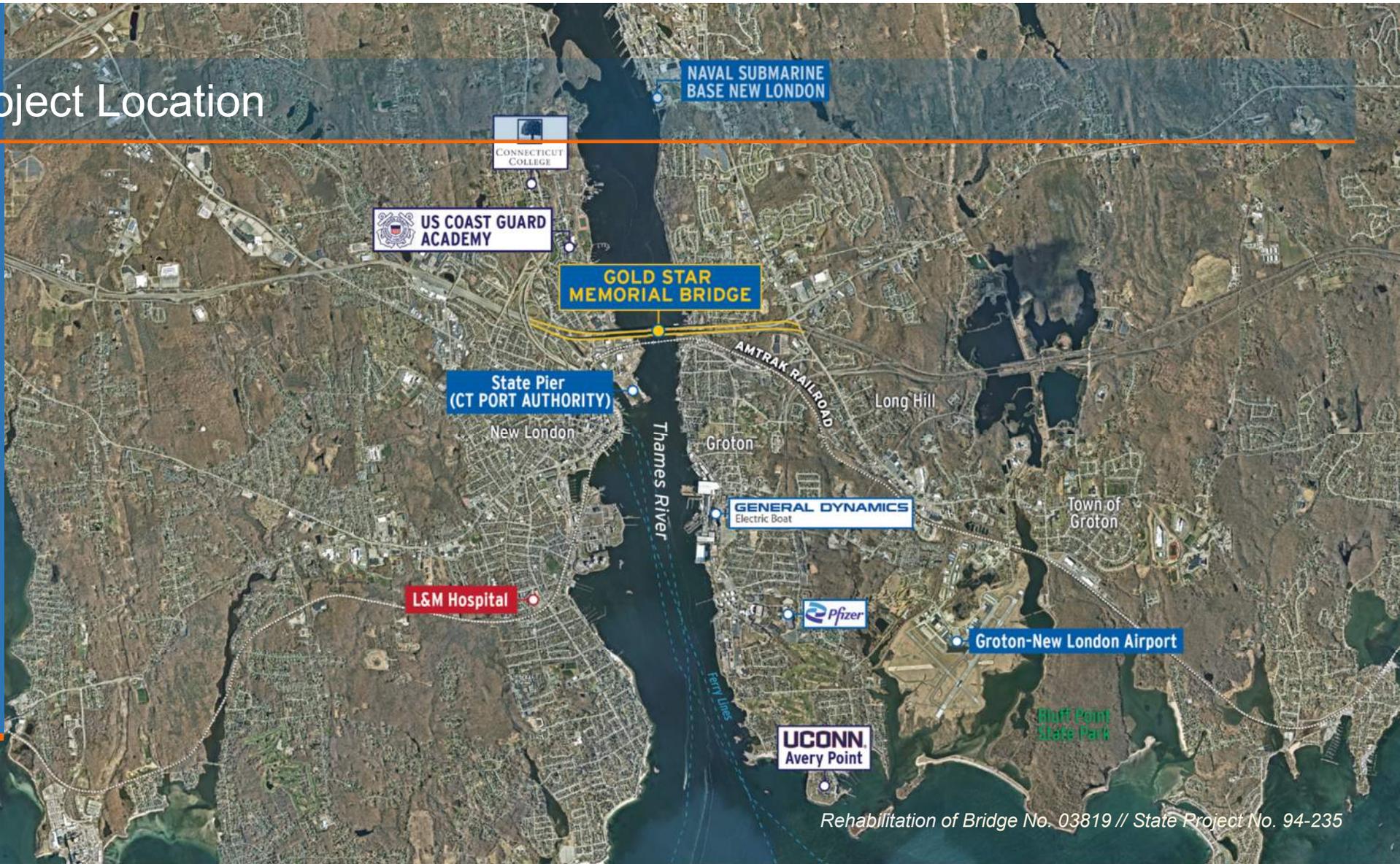
Naomi Hodges  
Environmental  
Lead  
HNTB



*Rehabilitation of Bridge No. 03819 // State Project No. 0094-0235*



# Project Location



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Project No. 94-235 Purpose and Need

## Purpose:

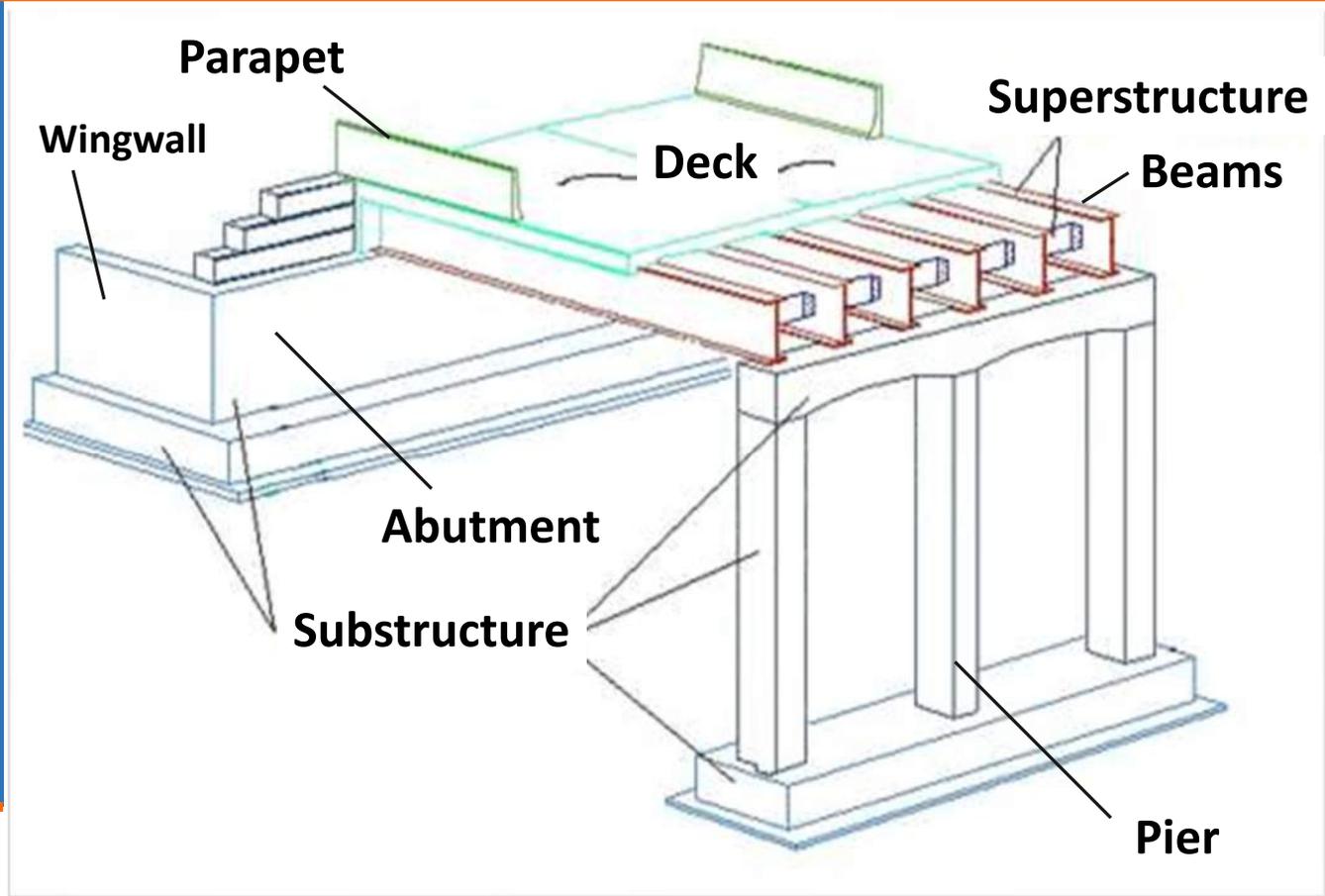
- Increase Structural Capacity to Allow Permit Vehicles
- Restore the Bridge to a Condition Rating of “Satisfactory”.

## Need:

- Extend service life
- Ensure Long-Term Performance
- Improve System Safety
- Full Deck Replacement
- Structural Steel Strengthening and Condition Repairs
- Substructure Concrete Repairs



# Bridge Structural Elements Diagram



## Bridge Condition Ratings

Scale: 1 to 9

- 9 – Excellent
- 8 – Very Good
- 7 – Good
- 6 – Satisfactory
- 5 – Fair
- 4 – Poor
- 3 – Serious
- 2 – Critical
- 1 – Imminent Failure

Rehabilitation of Bridge No. 03819 // State Project No. 0094-0235



# Existing Field Conditions - Deck



ITEM	CONDITION	RATING
<b>Deck</b>	<b>Poor</b>	<b>4</b>
• Overlay (Bituminous Concrete)	Fair	5
• Deck – Structure	Poor	4
• Fence	Fair	5
• Parapet	Poor	4
• Light Standard	Poor	4
• Expansion Joints	Poor	4

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Existing Field Conditions - Superstructure



ITEM	CONDITION	RATING
<b>Superstructure</b>	<b>Poor</b>	<b>4</b>
• Bearings	Poor	4
• Stringers	Poor	4
• Girders	Fair	5
• Floorbeams	Poor	4
• Trusses	Poor	4
• Paint	Fair	5

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Existing Field Conditions - Substructure



ITEM	CONDITION	RATING
<b>Substructure</b>	<b>Fair</b>	<b>5</b>
• Abut – Stem	Satisfactory	6
• Abut – Backwall	Satisfactory	6
• Abut – WW	Satisfactory	6
• Pier – Caps	Fair	5
• Pier – Columns	Fair	5
• Pier – Footings	Fair	5
• Concrete Crack - Spall	Fair	5
• Erosion - Scour	Satisfactory	6

Rehabilitation of Bridge No. 03819 // State Project No. 94-235

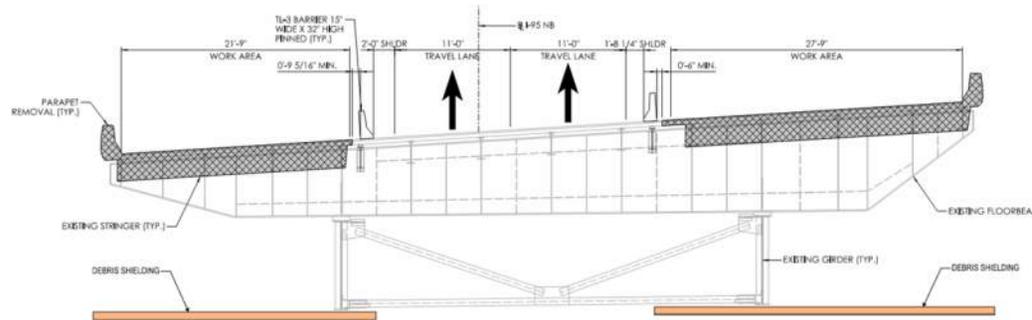


## Bridge Rehabilitation Work

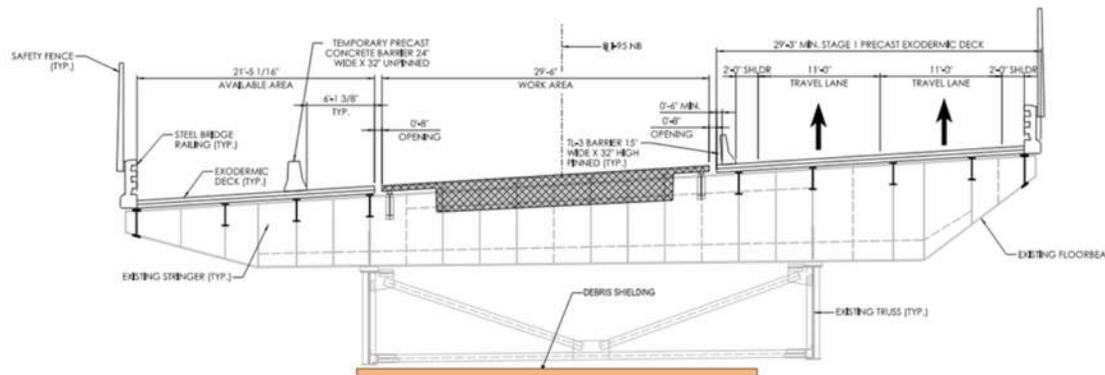
- Strengthen and repair structural steel members in the girder spans
- Replace all bearings on the girder spans and select bearings on the truss spans
- Replace existing bridge deck and joints
- Replace existing parapet and fence with MASH compliant 3-rail steel barrier and stainless-steel mesh fence
- Full superstructure painting
- Replace concrete approach slabs
- Repair concrete substructures
- Install new light standards and support framing
- Replace overhead sign structures



# Construction Staging & Proposed Access



Construction Stage 1

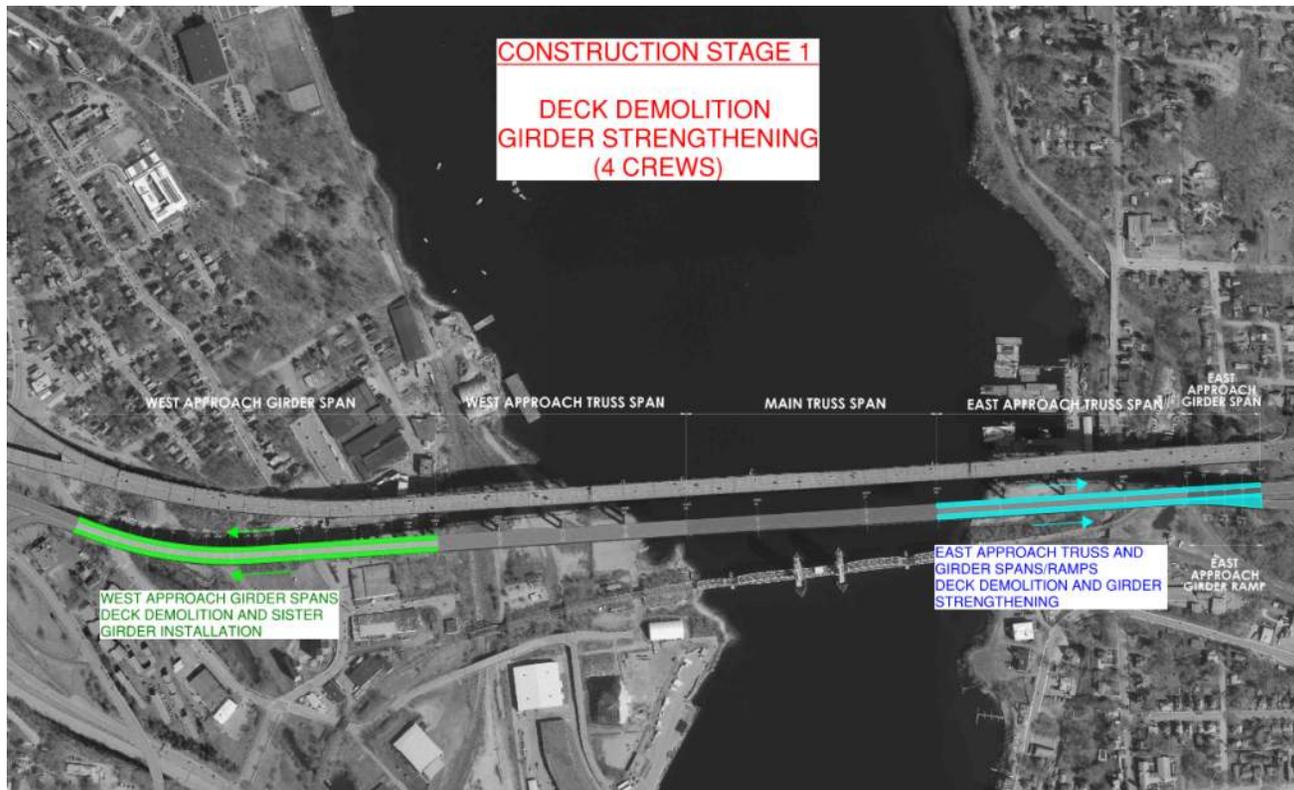


Construction Stage 2

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Construction Staging & Proposed Access



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Construction Staging & Proposed Access



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



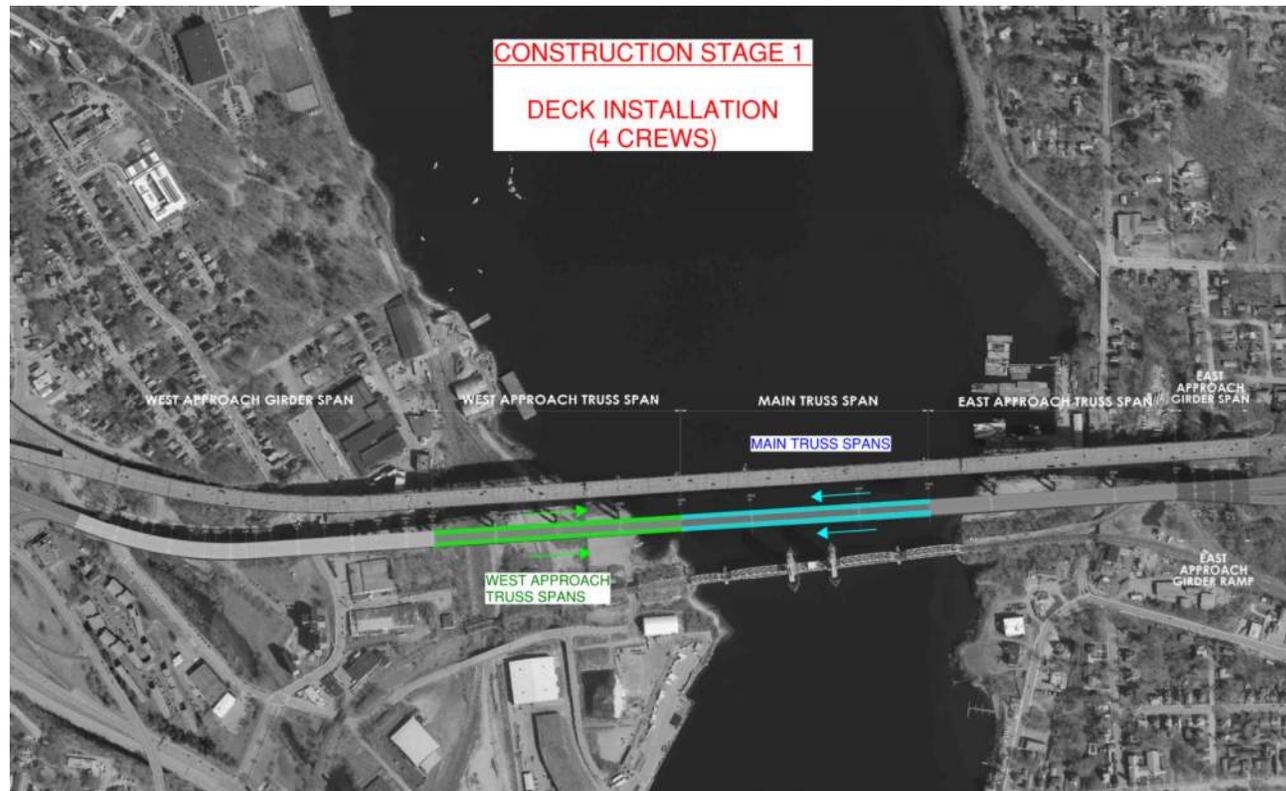
# Construction Staging & Proposed Access



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



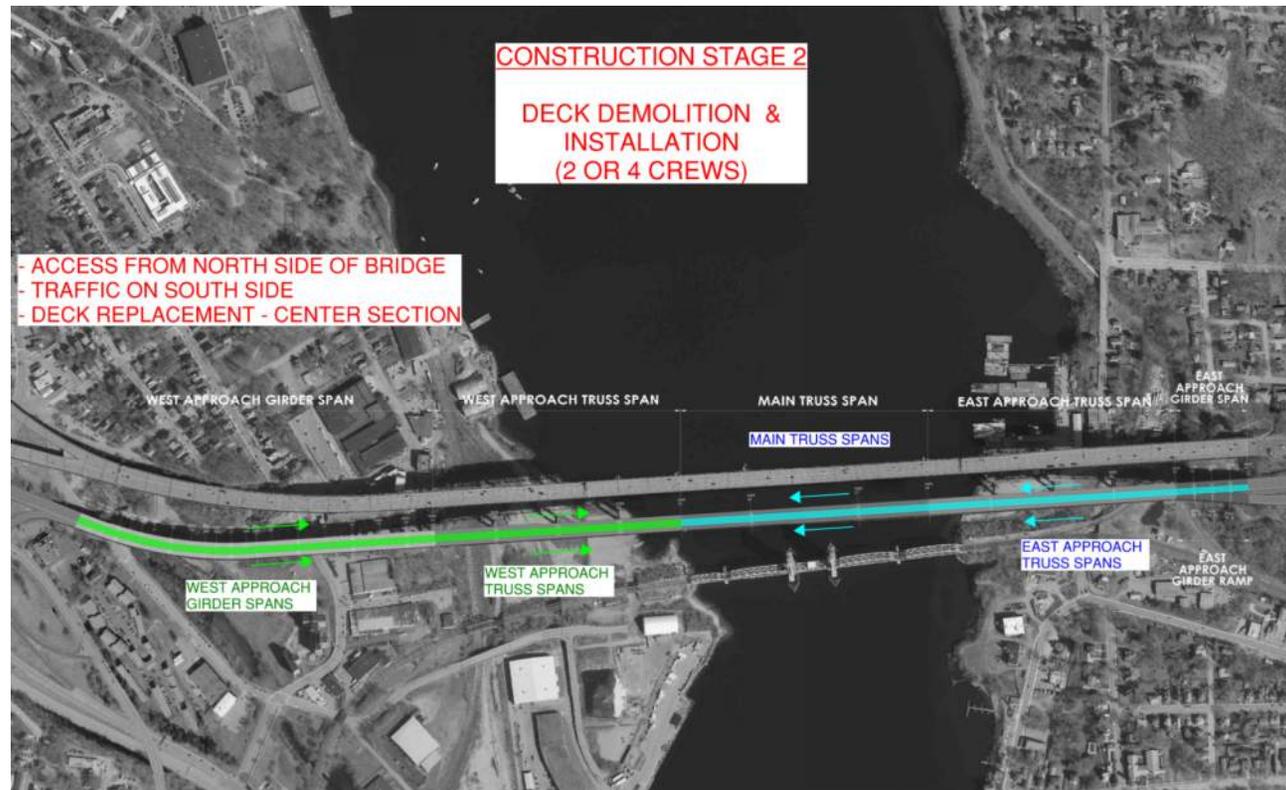
# Construction Staging & Proposed Access



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



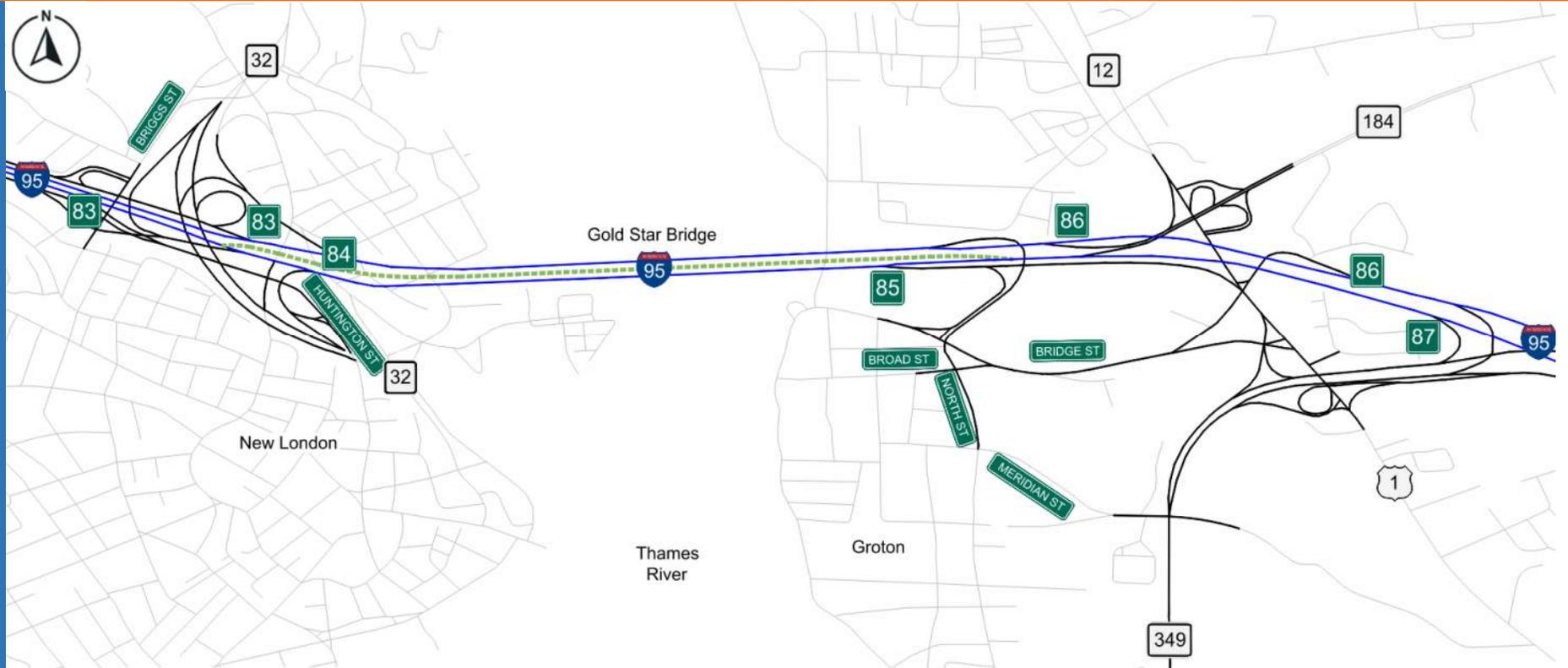
# Construction Staging & Proposed Access



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



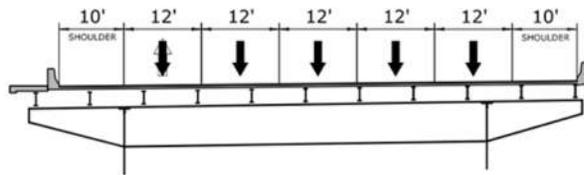
# Project Area



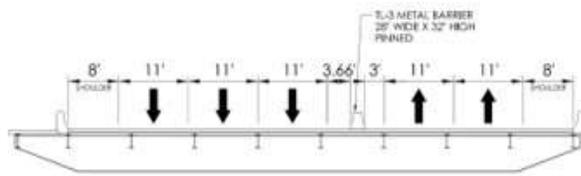
Rehabilitation of Bridge No. 03819 // State Project No. 94-235

# Crossover Maintenance & Protection of Traffic (MPT) – Cross-Sections

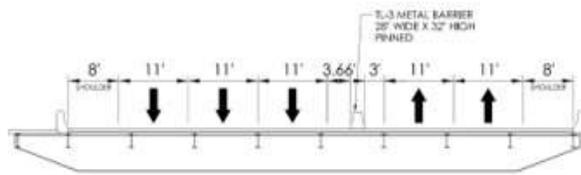
## SOUTHBOUND



EXISTING CONDITION

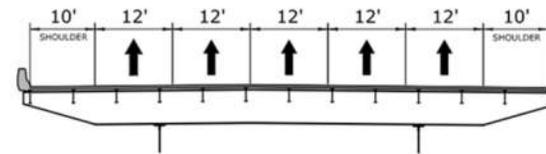


STAGE 1

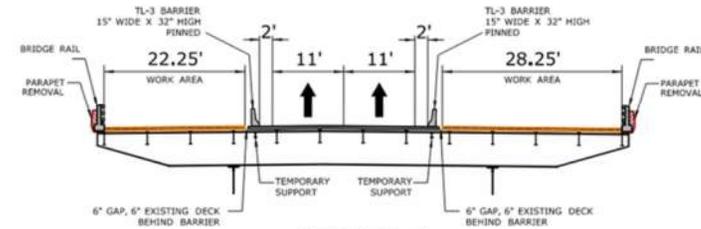


STAGE 2

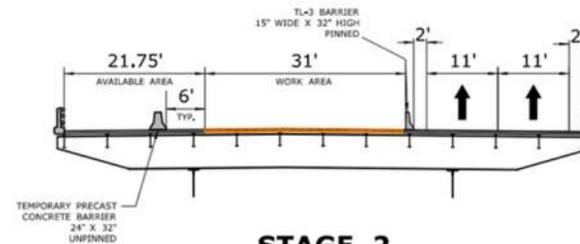
## NORTHBOUND



EXISTING CONDITION



STAGE 1

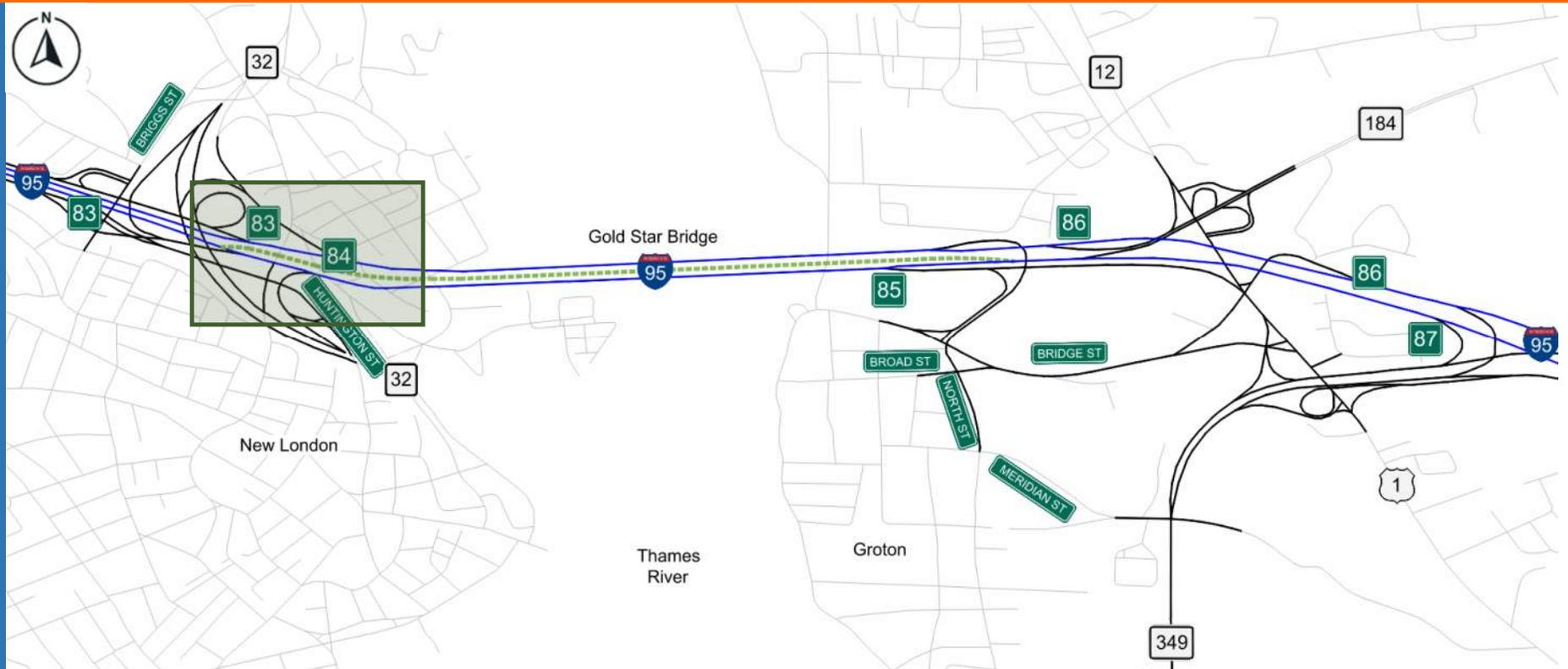


STAGE 2

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



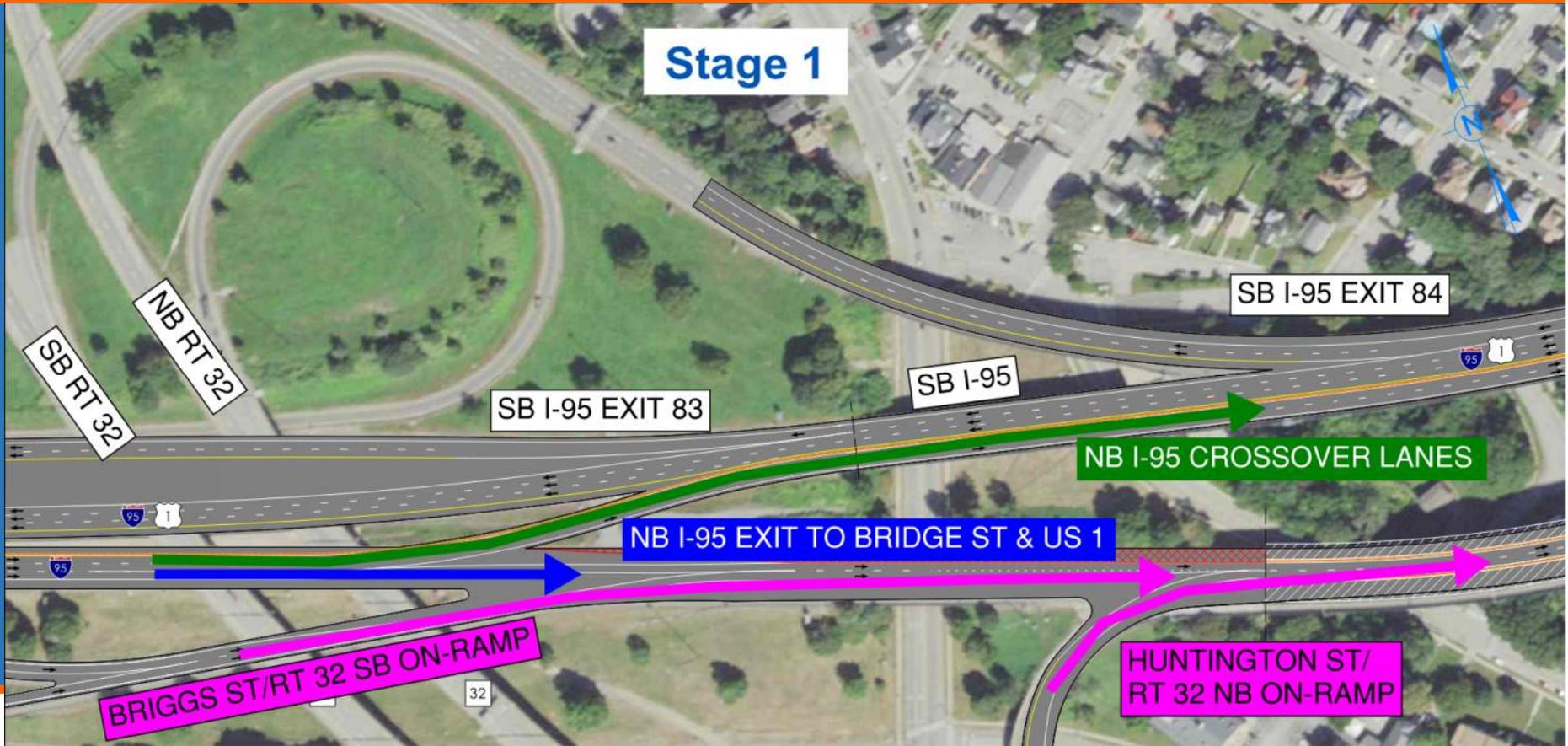
# Project Area – New London Side



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



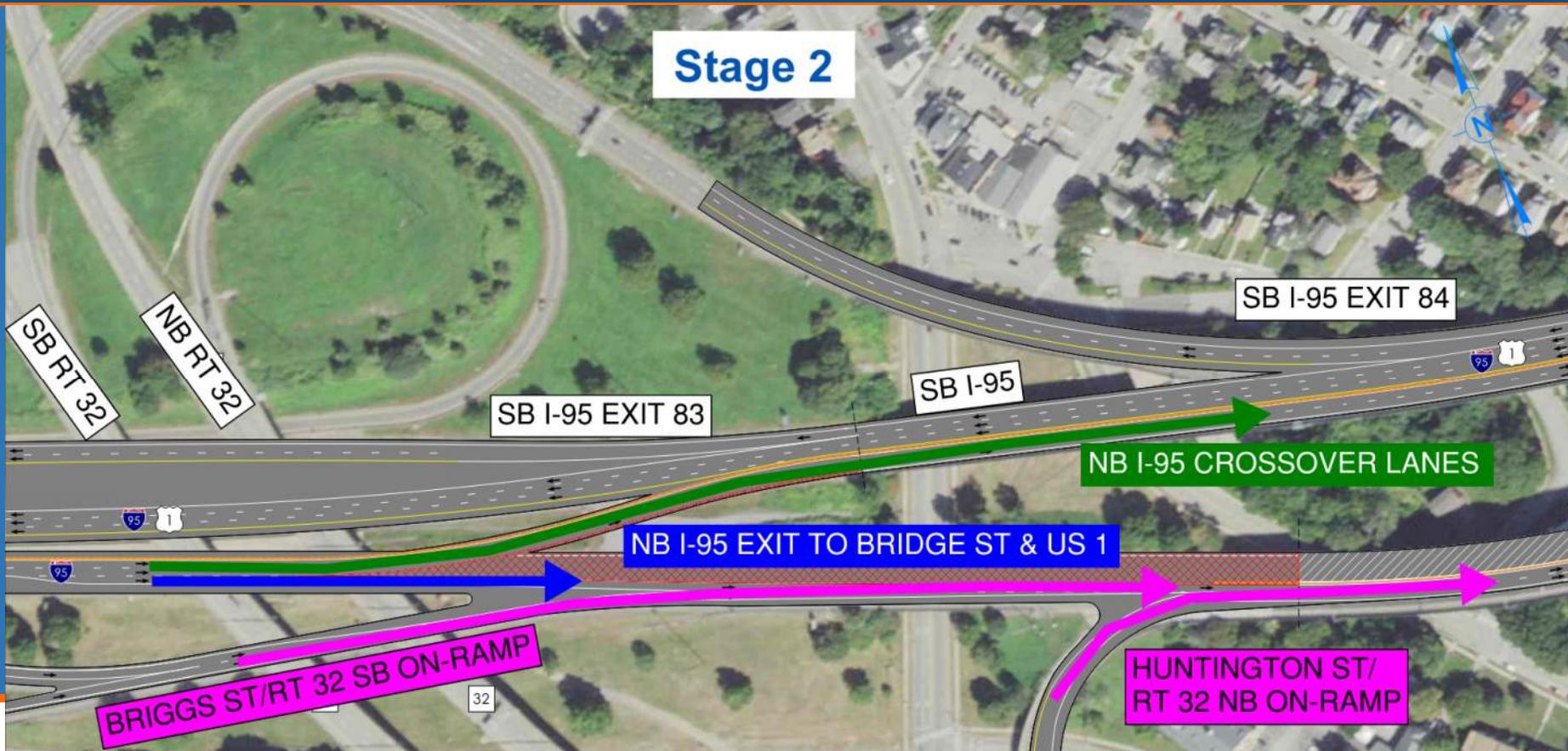
# Crossover Maintenance & Protection of Traffic (MPT) - New London Side



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Crossover Maintenance & Protection of Traffic (MPT) - New London Side

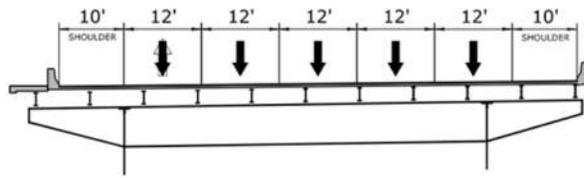


Rehabilitation of Bridge No. 03819 // State Project No. 94-235

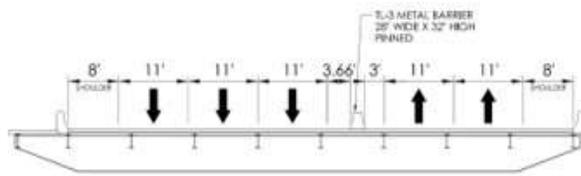


# Crossover Maintenance & Protection of Traffic (MPT) – Cross-Sections

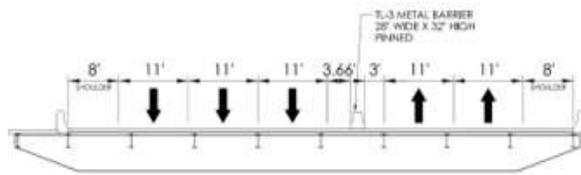
## SOUTHBOUND



EXISTING CONDITION

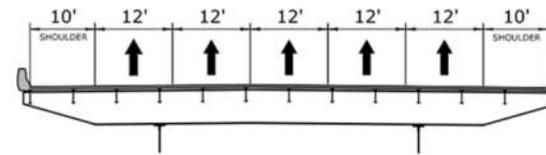


STAGE 1

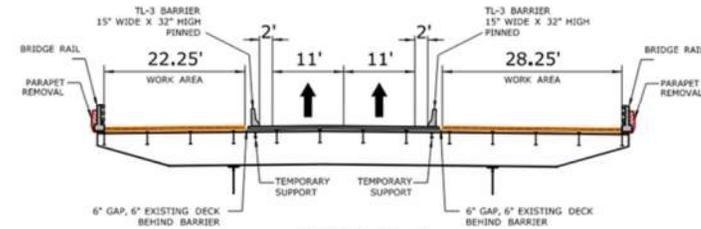


STAGE 2

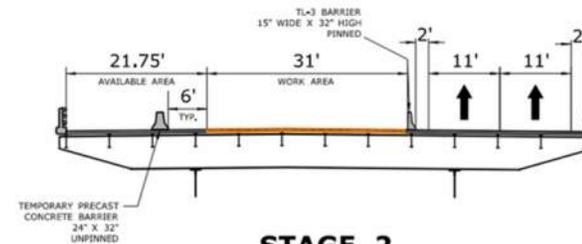
## NORTHBOUND



EXISTING CONDITION



STAGE 1

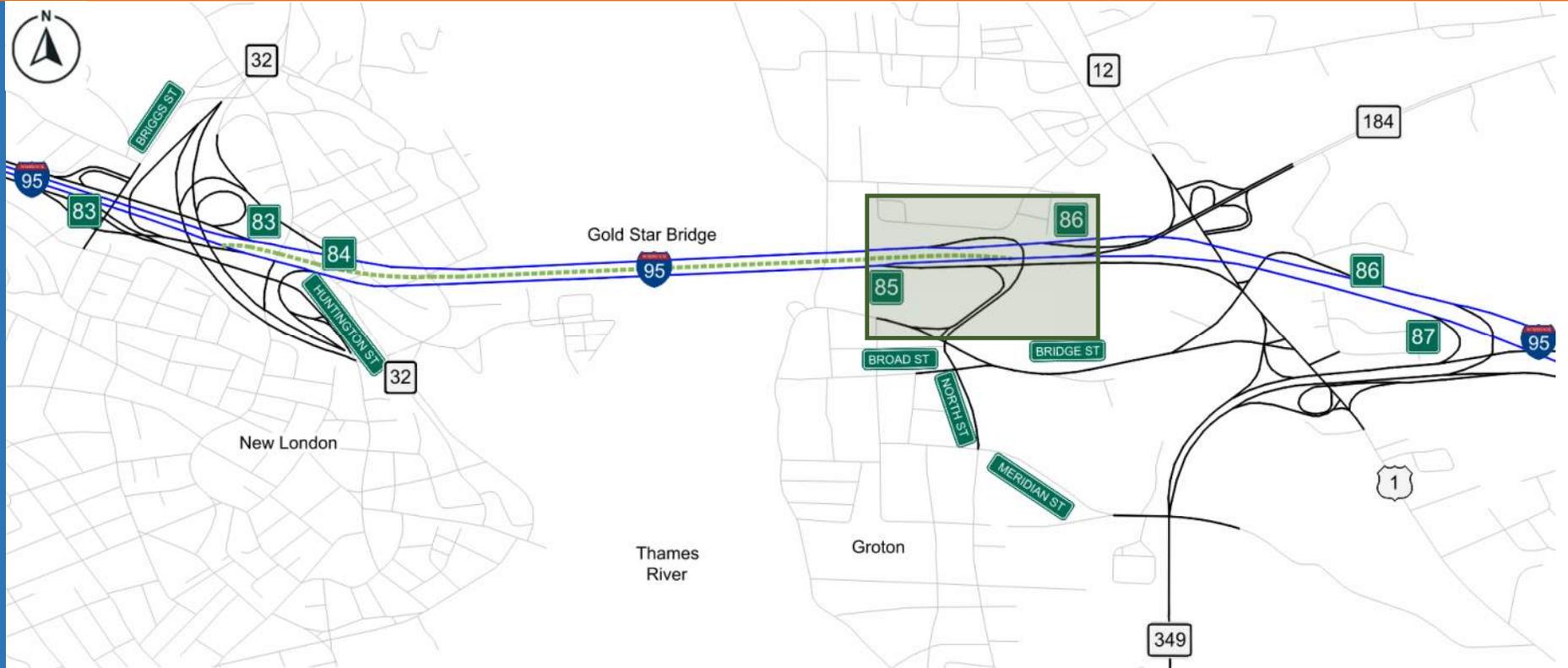


STAGE 2

Rehabilitation of Bridge No. 03819 // State Project No. 94-235

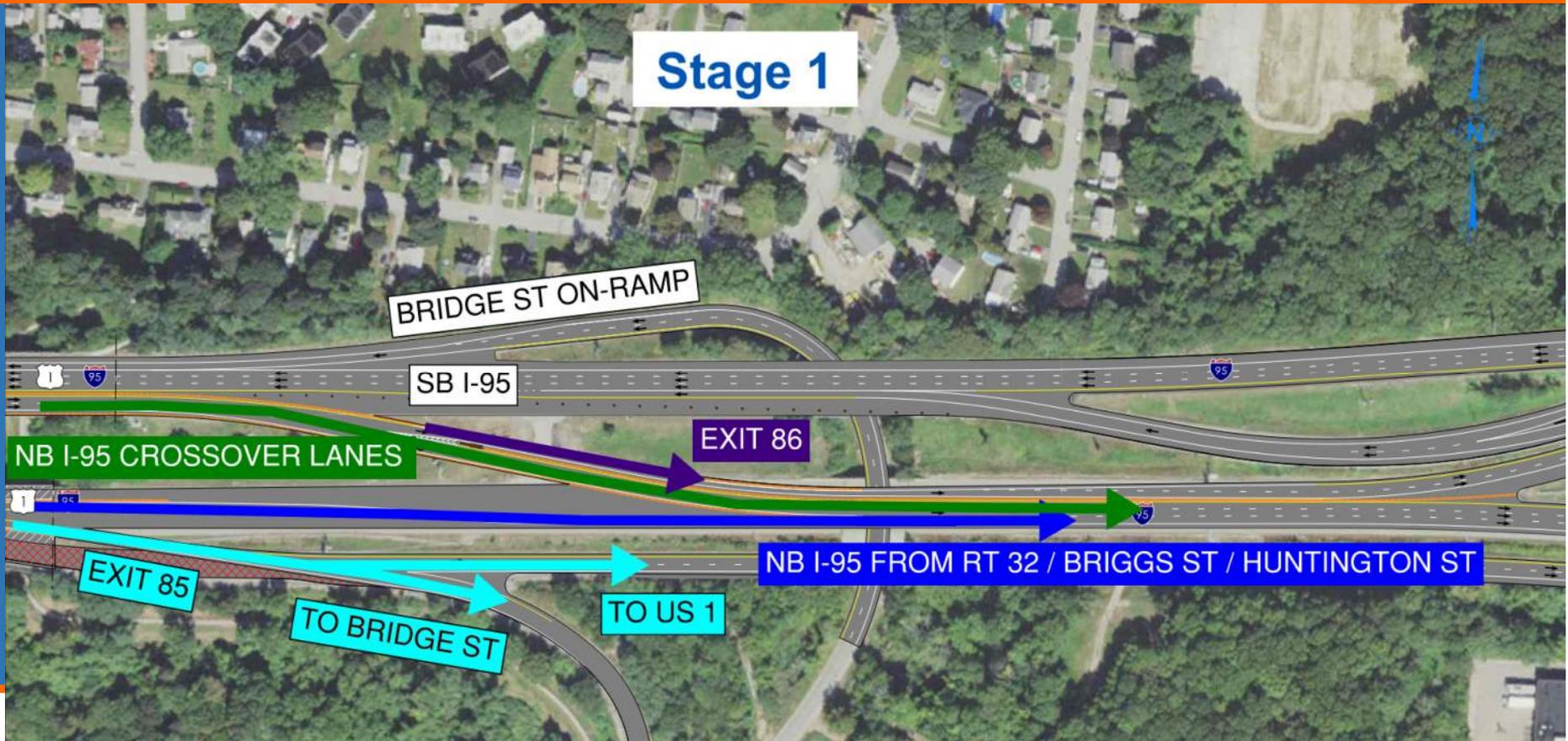


# Project Area – Groton Side



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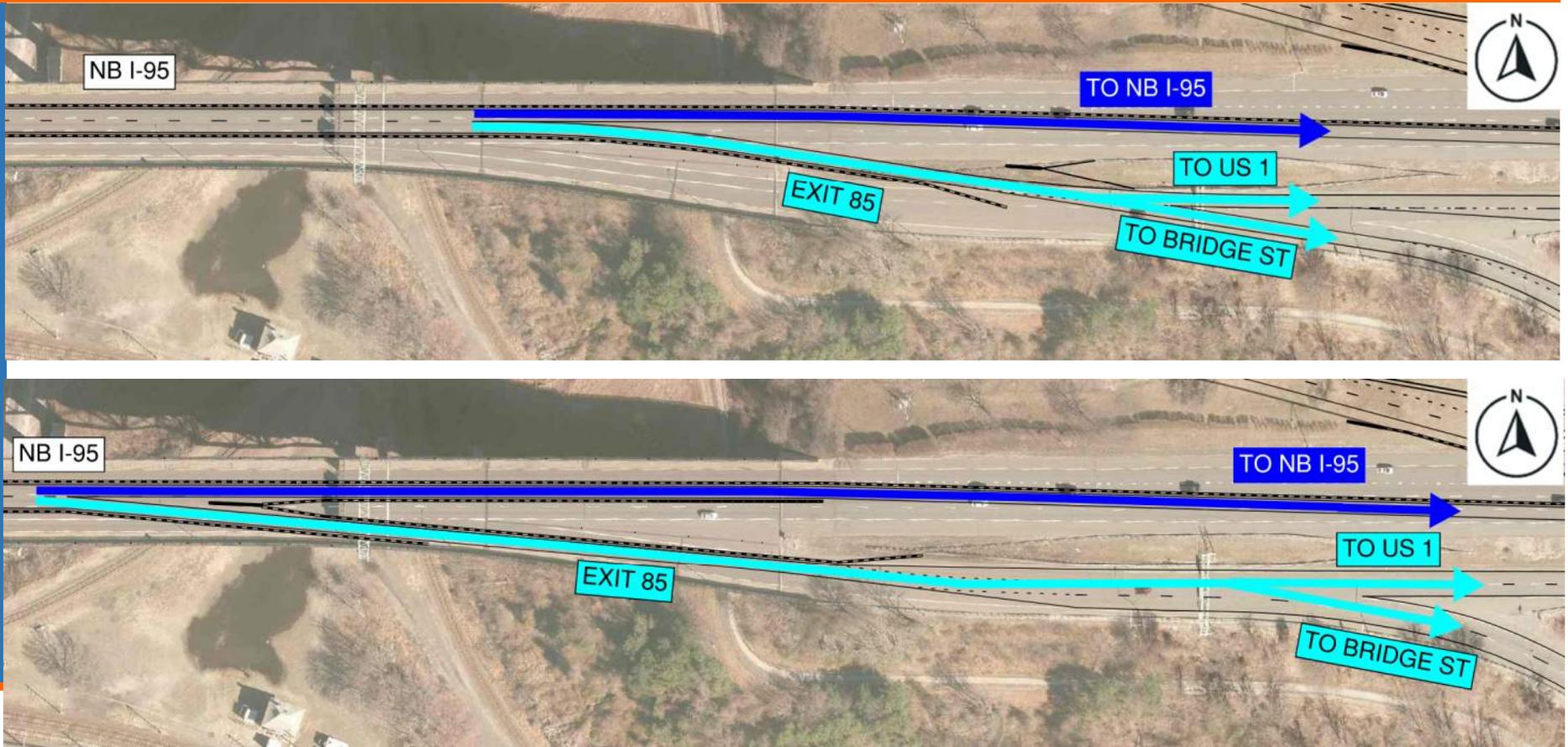
# Crossover Maintenance & Protection of Traffic (MPT) - Groton Side



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



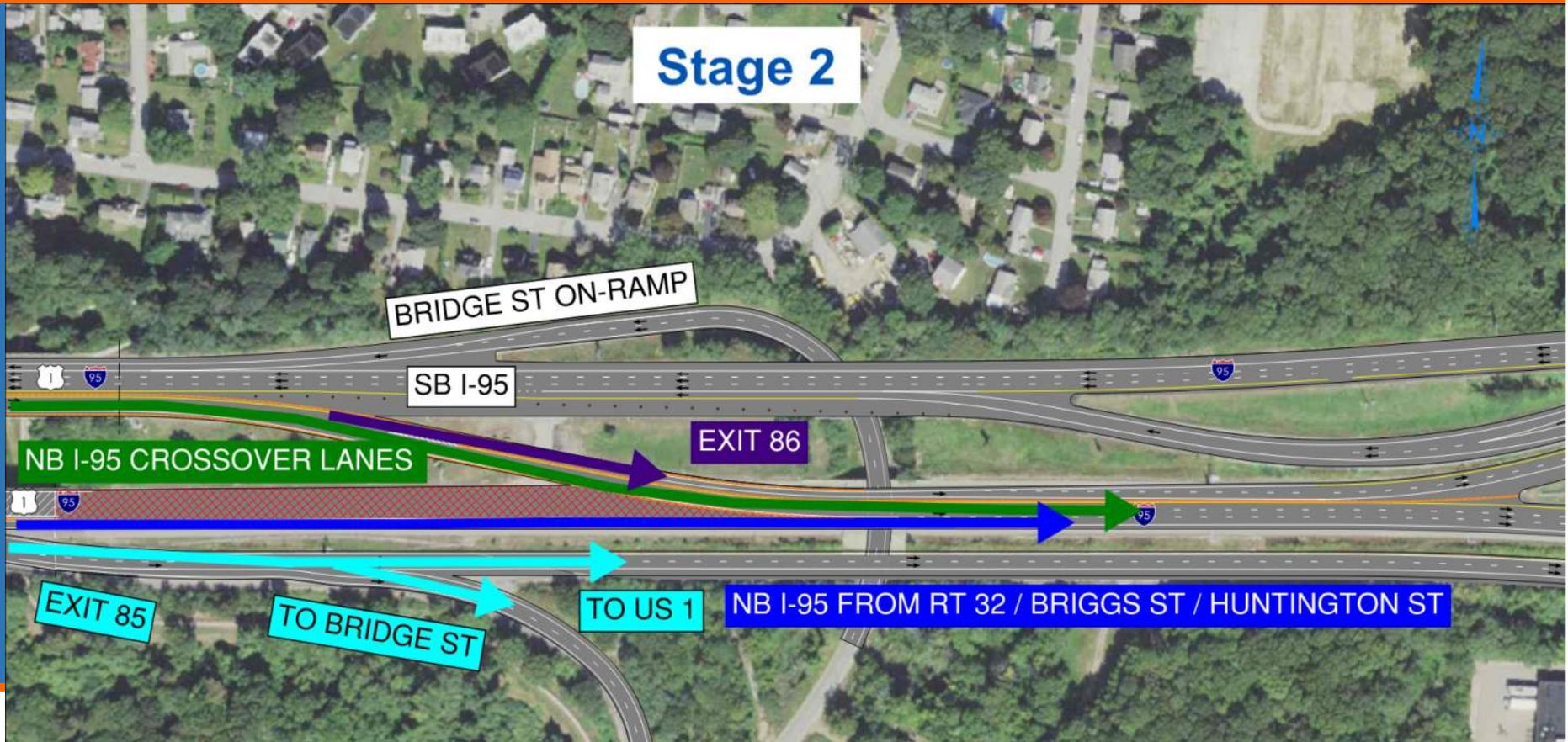
# Maintenance & Protection of Traffic (MPT) - Bridge St. Off-Ramp



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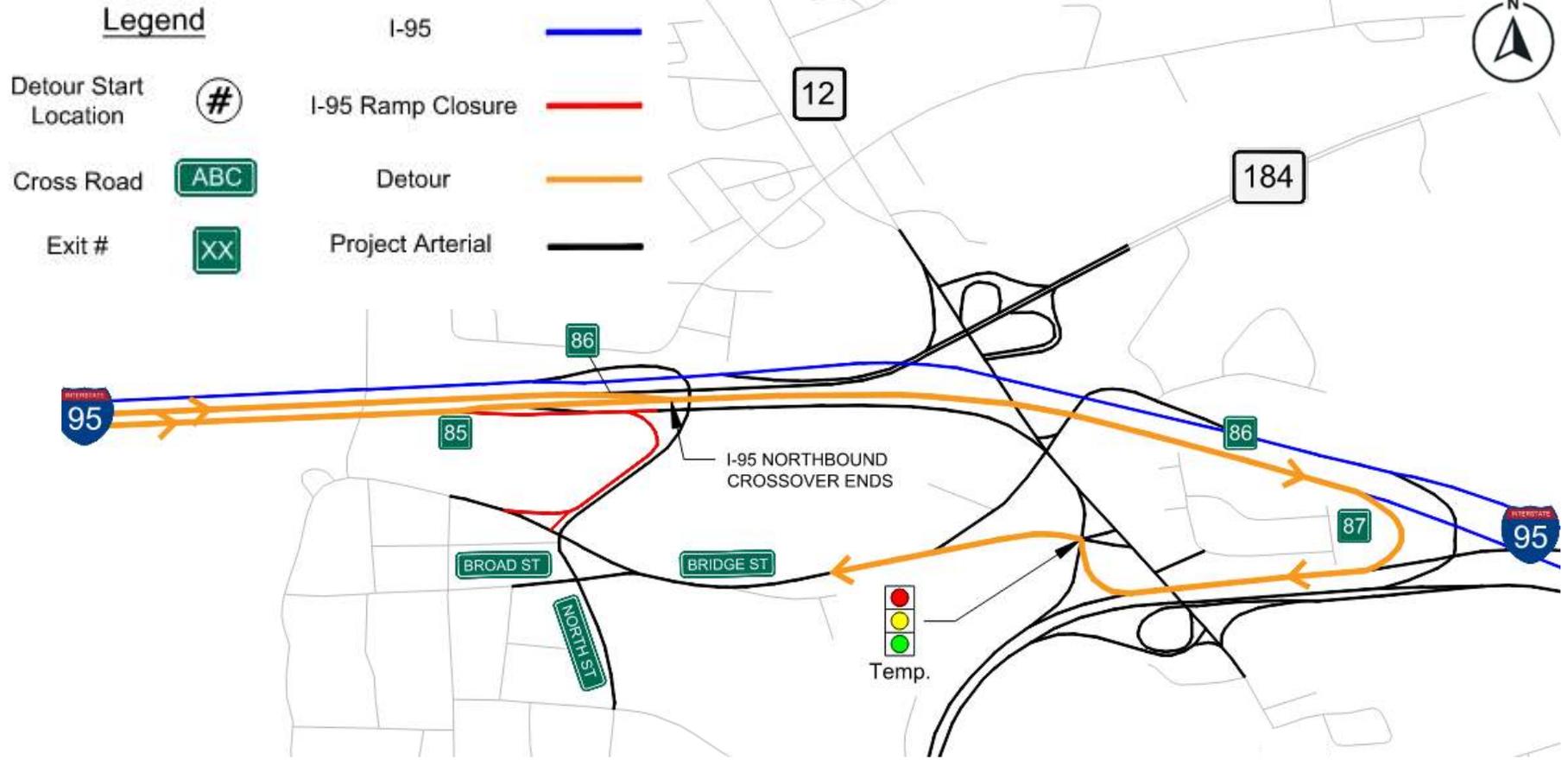
# Crossover Maintenance & Protection of Traffic (MPT) - Groton Side



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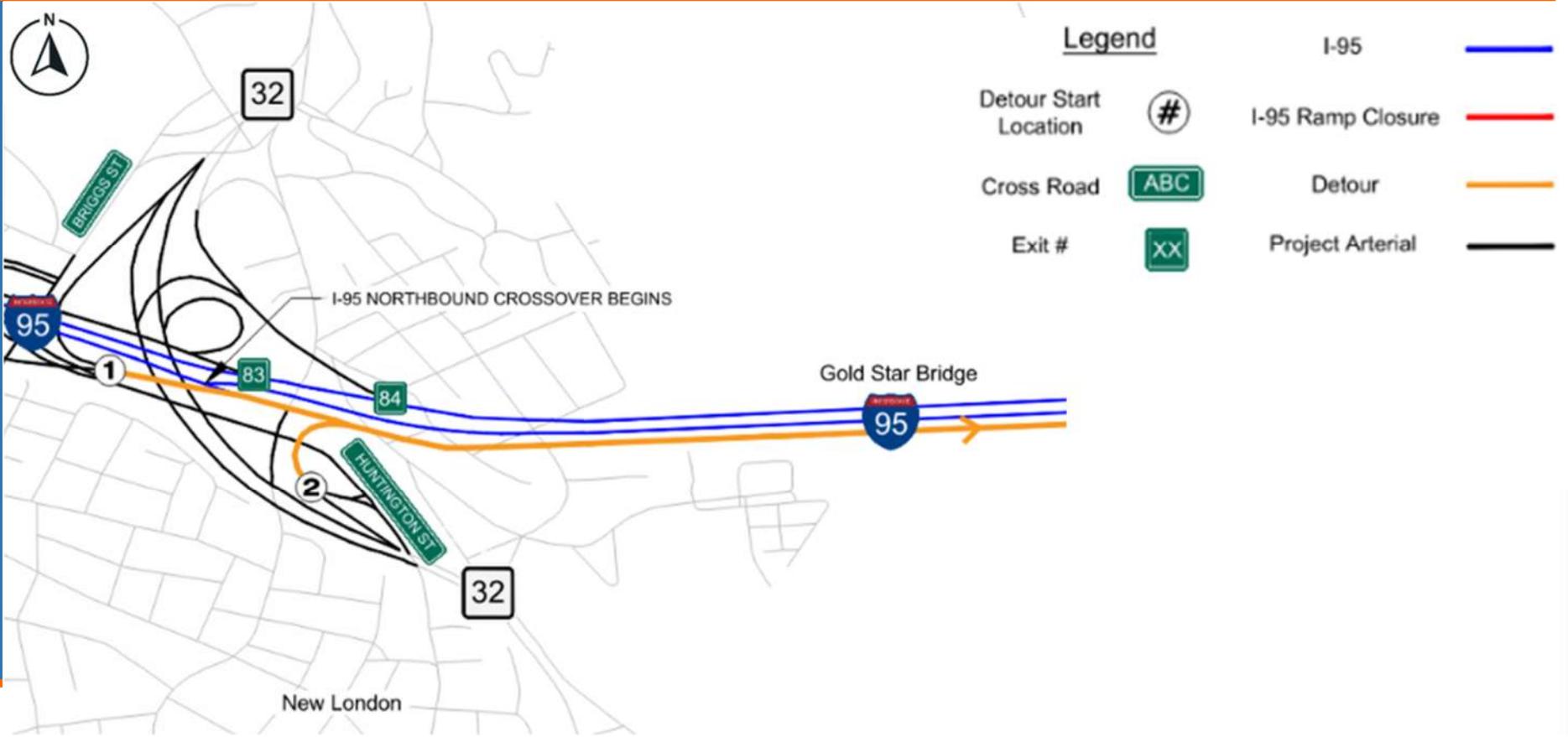
# I-95 NB Exit 85 Short-Term Detour



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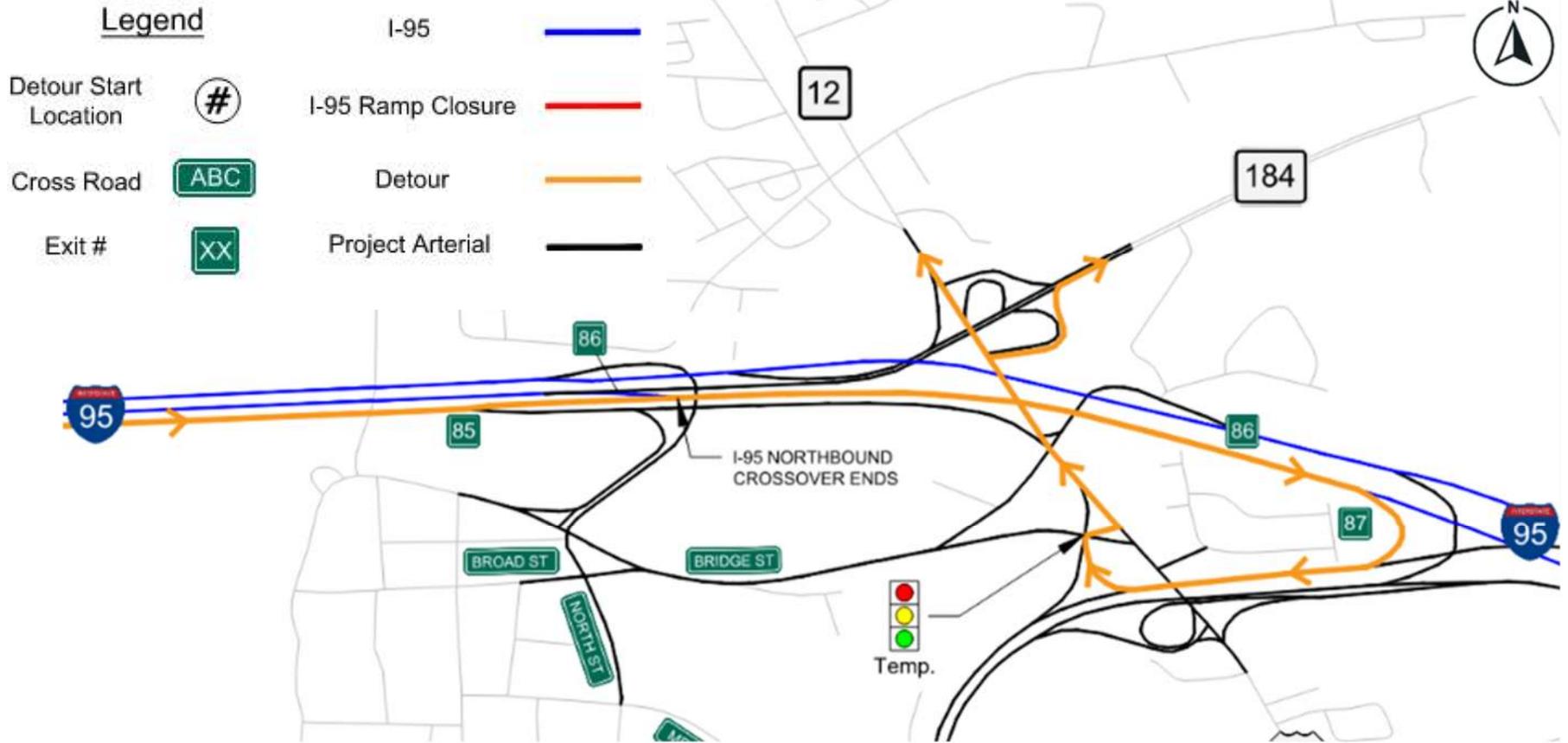
# I-95 NB Exit 86 Long-Term Detour (2+ Years)



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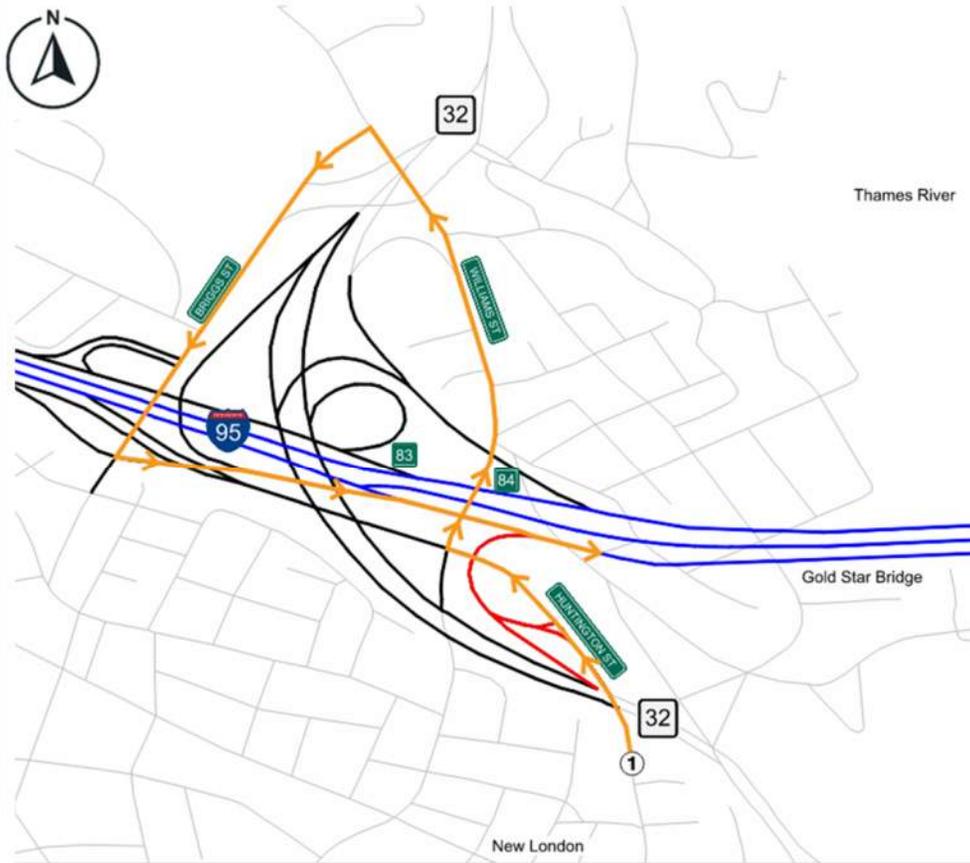
# I-95 NB Exit 86 Long-Term Detour (2+ Years)



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# I-95 NB Huntington St. On-Ramp, Short-Term Overnight/Weekend Detour

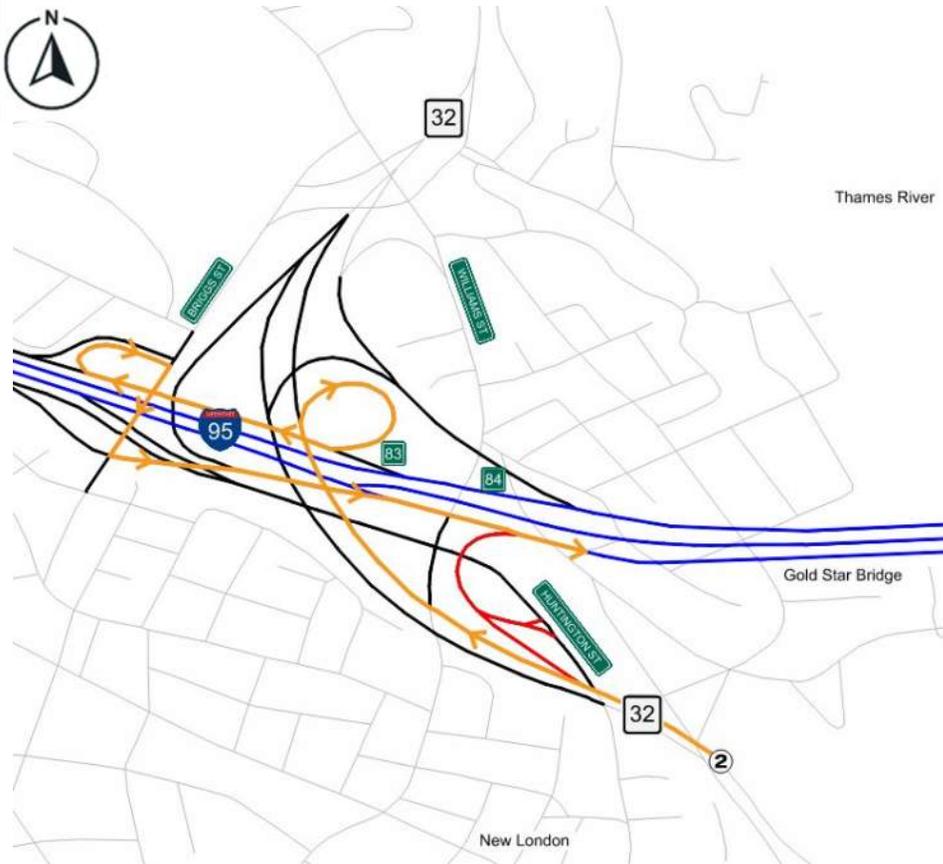


Legend		I-95	
Detour Start Location		I-95 Ramp Closure	
Cross Road		Detour	
Exit #		Project Arterial	

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Route 32 On-Ramp to I-95 NB Detour, Short-Term Overnight/Weekend Detour



## Legend

		I-95	
Detour Start Location		I-95 Ramp Closure	
Cross Road		Detour	
Exit #		Project Arterial	

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



## Environmental Impacts

- Freshwater wetlands
  - Minor temporary impacts anticipated
- No in-water work currently proposed
  - Work from barges may be needed
  - Navigation Channel closures not anticipated
- Peregrine Falcon nest on southbound bridge
  - Falcon nesting season restrictions apply
- Historic Winthrop Mill
  - No permanent impacts anticipated
- Thames River Boat Launches
  - Temporary impacts anticipated
- Coordination CT DEEP, NOAA, US Coast Guard, and the US Army Corps of Engineers on going



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Environmental Impacts



New London



Groton

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



## Railroad & Utility Impacts – New London Side

- Genesee and Wyoming Railroad
  - Track beneath west approach bridge operated by NE Central Railroad.
  - Access coordination with Genesee and Wyoming Railroad, NE Central Railroad, and Amtrak.
- Utility impacts
  - Mill Street
  - Crystal Ave



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



## Right of Way (ROW) Impacts – New London Side



City of New London Property at 40 Crystal Ave  
Temporary Easement



State of Connecticut (DEEP) at 1 State Pier Road  
Temporary Easement and Use of Boat Launch

*Rehabilitation of Bridge No. 03819 // State Project No. 94-235*



## Railroad, Utility and Right of Way (ROW) Impacts – Groton Side

- Genesee and Wyoming Railroad
  - Track beneath east approach bridge operated Providence and Worcester (P&W) Railroad.
  - Access coordination will occur with Genesee and Wyoming Railroad, P&W Railroad and Amtrak.
- No permanent utility impacts are anticipated.
- No permanent ROW impacts anticipated.



Rehabilitation of Bridge No. 03819 // State Project No. 94-235



## Division of Rights of Way

- Function: Acquire all property/property rights necessary for the project.
- Relevant Law
  - State of Connecticut
    - C.G.S. Section 13a-73 & 13b-36
  - Federal
    - Uniform Relocation Assistance and Real Properties Acquisition Policies Act of 1970, as amended.



# ROW – Acquisition Process

Letter of Intent to Acquire

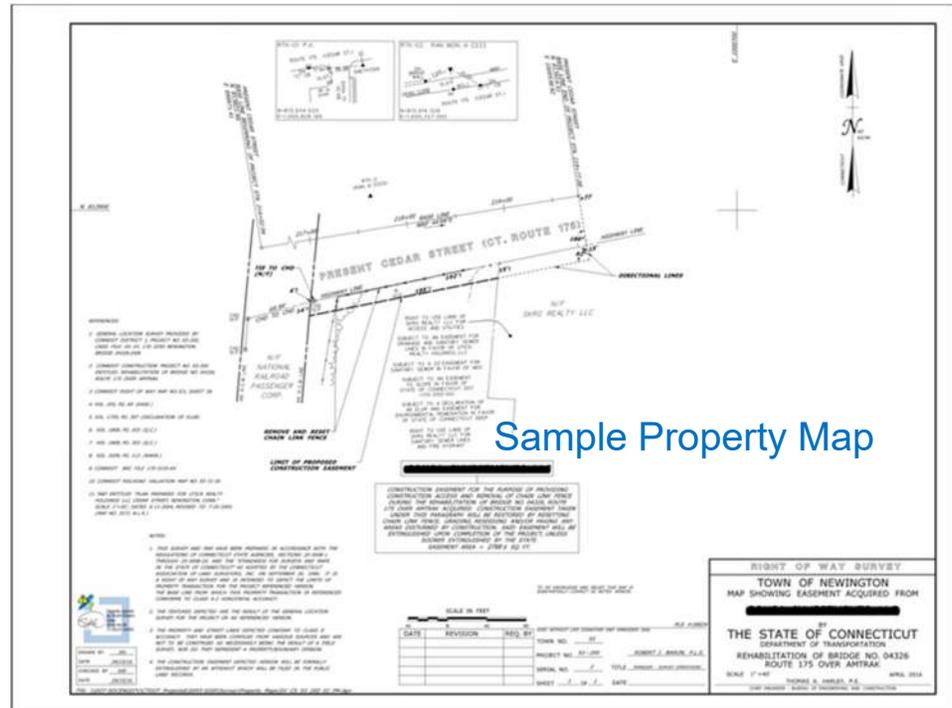
Valuation

Offer of Just Compensation

Negotiation

Acquisition

- Agreement
- Eminent Domain/Condemnation
  - 6 month appeal period



## Cost & Schedule

### Estimated Construction Cost

- Total Estimated Construction Cost = \$591.9M
- Bridge Investment Program Grant = \$158.2M
- Rest of cost 90% Federal Funds, 10% State Funds
- 0% Municipal Funds Required

The cost and schedule are preliminary and are subject to change.

### Schedule

- Final Contract Documents – December 2024
- Advertising for Construction (ADV) - February 2025
- Start of Construction – Summer 2025

Rehabilitation of Bridge No. 03819 // State Project No. 94-235



# Project 94-268 – Southbound Gold Star Bridge Strengthening

## Purpose & Need:

- Increase Structural Capacity to Allow Permit (Oversize/Overweight) Vehicles
- Permit vehicles are currently detoured to the Route 2A bridge in Preston

## Scope:

- Steel strengthening and condition repairs on Bridge Nos. 02514A (Gold Star SB) and 02514B
- Localized painting at steel repairs

## Maintenance & Protection of Traffic:

- Temporary I-95 SB Right Shoulder and Lane Closures (Not During Crossover)
- Temporary local road lane closures or full closures with detours

## Estimated Construction Cost

- Total Estimated Construction Cost = \$13M
- 90% Federal Funds, 10% State Funds

## Schedule

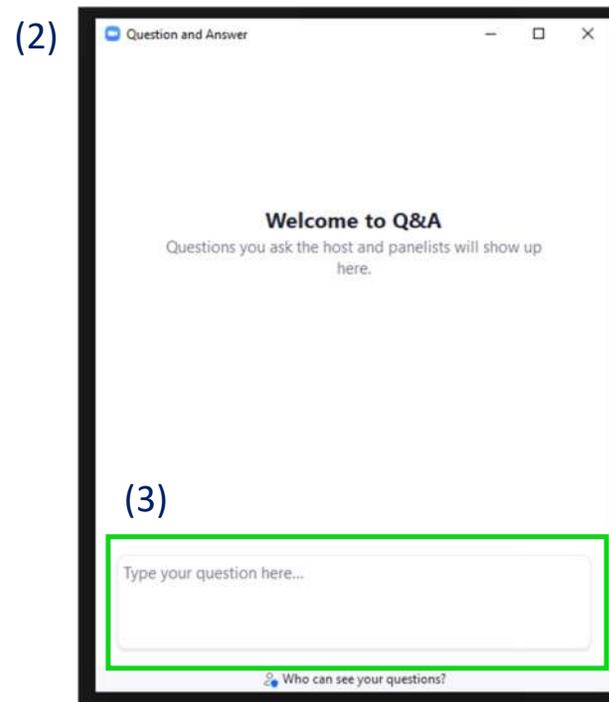
- Start of Construction – Summer 2025
- End of Construction – Summer 2026

*Rehabilitation of Bridge No. 02514A & B // State Project No. 94-268*



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- (2) The Q&A window will open as seen on the right.
- (3) Please type question in the textbox and click enter.
- If you are an audio only participant, dial \*9 to raise and lower your hand.



(3)



# Question & Answer Session



by email: [DOT.GoldStarBridgeProjects@ct.gov](mailto:DOT.GoldStarBridgeProjects@ct.gov)



by phone: (860) 594-2020 (voicemail)



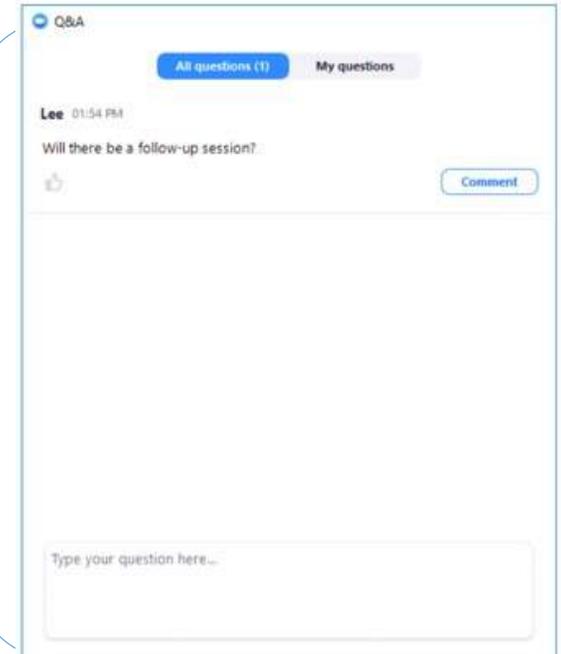
by chat: Zoom Q&A



project webpage:

<https://portal.ct.gov/dot/bridges/project-pages/gold-star-memorial-bridge>

Moderator will answer questions in Zoom Q&A



Note: Comment period is open through **May 14, 2024**.

\*Zoom Q&A is only available during live Q&A session

Rehabilitation of Bridge No. 03819 // State Project No. 94-235

