

# State Project No. 0105-0221

Raise the Superstructure of Bridge No. 02708 carrying Route 154 over Plum Bank Creek in Old Saybrook, CT

**In Person Event: Thursday, August 27<sup>th</sup>, 7:00 p.m.**

**Located:** Old Saybrook Town Hall, First Floor Conference Room, 302 Main Street (virtual option presented on Zoom)

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:** [Jonathan.Kempf@ct.gov](mailto:Jonathan.Kempf@ct.gov)

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

**Project Webpage:**  
[portal.ct.gov/DOTOLDSAYBROOK0105-0221](http://portal.ct.gov/DOTOLDSAYBROOK0105-0221)

**Comment Period Open through:** September 10<sup>th</sup>, 2026



# State Project 0105-0221

## Raise the Superstructure of Bridge No. 02708

### Meeting Overview

- Introduce the Project Team
- Formal Presentation of Design
  - Overview of Existing Site and Bridge
  - Review Project Background, Purpose and Need
  - Proposed Design and Construction
  - Traffic Considerations
  - Construction Impacts and Schedule
- Live Question and Answer (Q&A) Session



Jonathen Kempf, P.E.  
Project Manager – CTDOT  
Tel. No. (860) 594-3308  
[Jonathan.Kempf@ct.gov](mailto:Jonathan.Kempf@ct.gov)



# Question & Answer Session



**By Email:** [Jonathan.Kempf@ct.gov](mailto:Jonathan.Kempf@ct.gov)



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



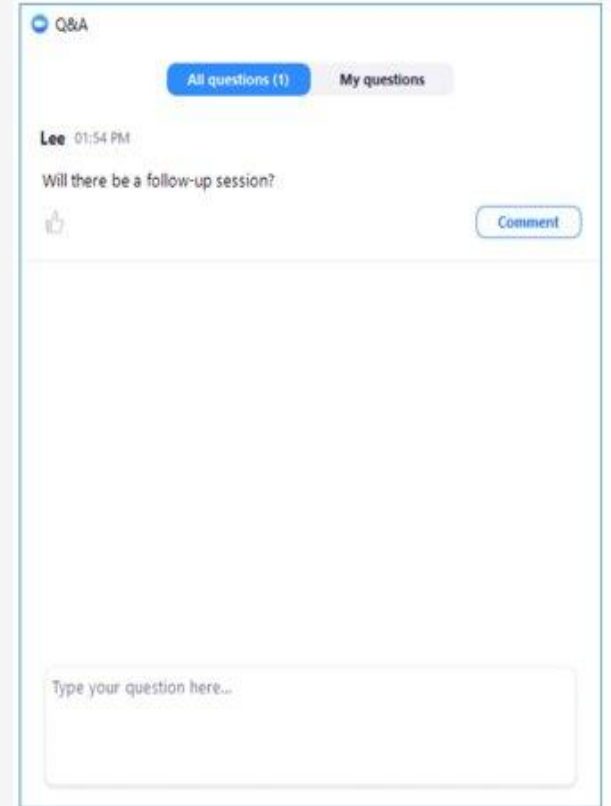
**On Zoom:** Q&A

**In Person:** August 27<sup>th</sup>, 2026 at  
Old Saybrook Town Hall



**Project Webpage:**

[portal.ct.gov/DOTOLDSAYBROOK0105-0221](https://portal.ct.gov/DOTOLDSAYBROOK0105-0221)



Moderator will answer questions  
in Zoom Q&A function

**Note:** Comment period is open through **September 10<sup>th</sup>, 2026**

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



# Project Team



Derick Lessard,  
PE  
Division Chief  
of Bridges  
CTDOT, Division  
of Bridges



Andrew  
Cardinali, PE  
Principal  
Engineer  
CTDOT, Bridge  
Design



Jonathan  
Kempf, PE  
Project  
Manager  
CTDOT, Bridge  
Design



Raymond  
Basar, PE  
Project  
Engineer  
CTDOT, Bridge  
Design



Gregory  
DeArmond, EIT  
Design  
Engineer  
CTDOT, Bridge  
Design



Mujo Kurtovic,  
EIT  
Design  
Engineer  
CTDOT, Bridge  
Design



# Title VI – Your Civil Rights

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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>
- Title VI Information:
  - <https://portal.ct.gov/dot/opportunity-and-business-development/title-vi>



A recording of this presentation will be posted to CTDOT's YouTube channel after the event.

Closed captioning in English is available on Zoom. Closed captioning in other languages will be available on YouTube





# Connecticut Department of Transportation

## Title VI Notice to the Public

Individuals and organizations may file a complaint by completing the Title VI complaint form ([portal.ct.gov/dot/Opportunity-and-Business-Development/title-vi](https://portal.ct.gov/dot/Opportunity-and-Business-Development/title-vi)). Complaints should be signed and include contact information and should be sent to: Office of Civil Rights Federal Railroad Administration 1200 New Jersey Avenue, SE ROA-10, Mail Stop 5 Washington, DC 20590

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](mailto:Debra.Goss@ct.gov); or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit [www.ct.gov/dot](https://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, 5<sup>th</sup> 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, 8<sup>th</sup> 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

Para obter mais informações, ou para auxílio gratuito em outro idioma, ligue para (860) 594-2109

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

Для получения подробной информации или бесплатных услуг перевода звоните по телефону (860) 594-2109

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



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## Departamento de Transporte de Connecticut

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El Departamento de Transporte de Connecticut (CTDOT) se compromete a asegurar que ninguna persona sea excluida de participar en, o le sean negados los beneficios de, sus servicios de transporte basándose en la raza, color o país de origen de la persona protegida por el Título VI de la Ley de los Derechos Civiles. Si a usted le parece que ha sido objeto de discriminación en lo que corresponde al Título VI, puede presentar una queja al CTDOT.

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](mailto: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).

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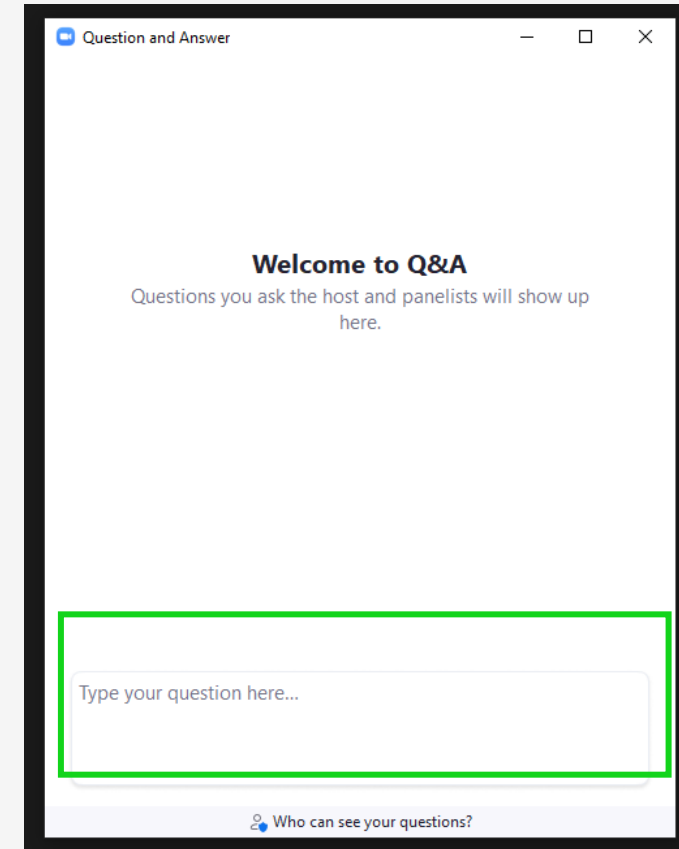
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# How to use Zoom Q&A

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





# **State Project Number 0105-0221 Public Information Meeting**

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Raise the Superstructure of Bridge No. 02708  
Carrying Route 154 Over Plum Bank Creek  
Town of Old Saybrook  
August 27, 2026

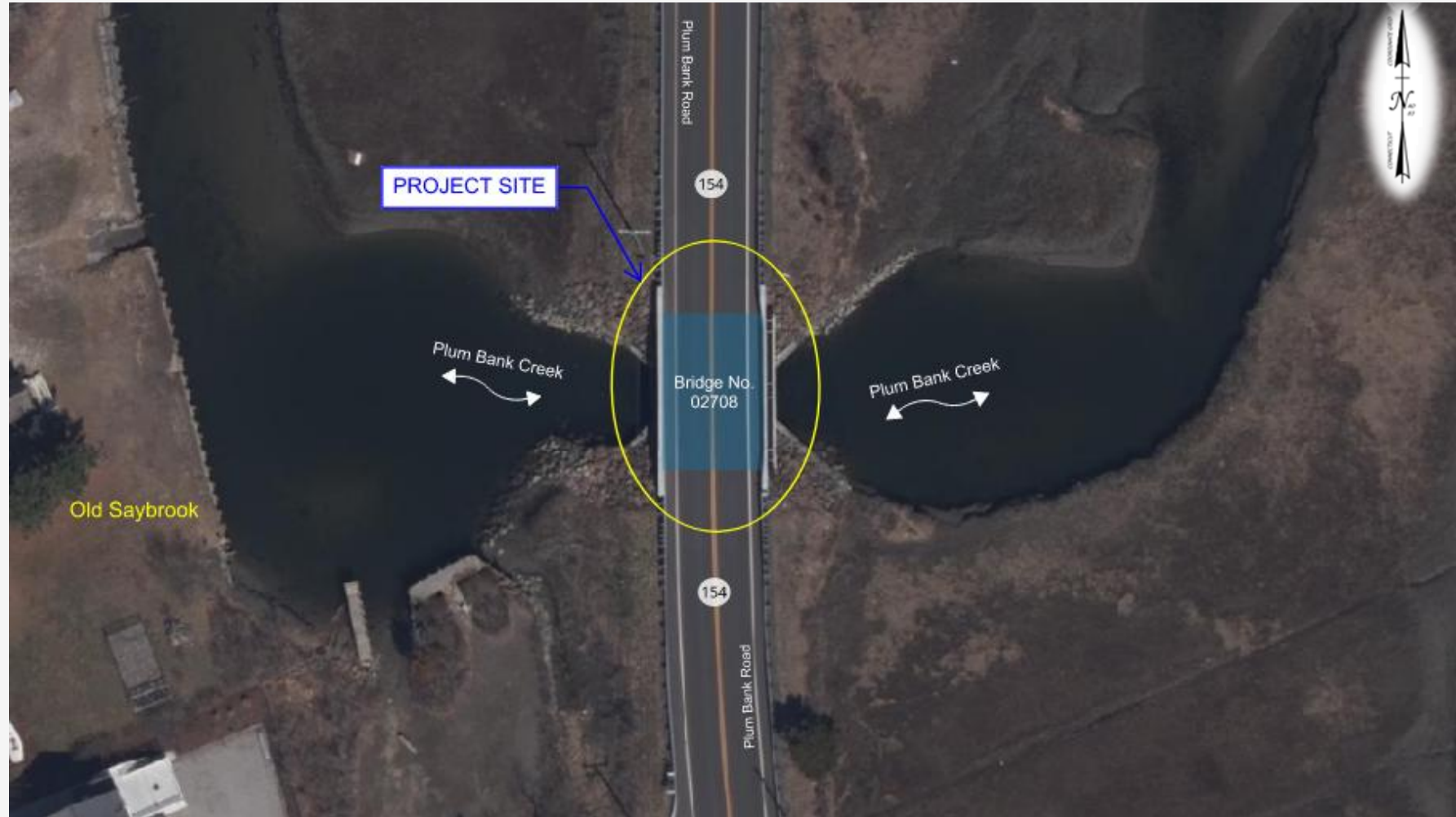
# Project Location: Aerial View



Raise the superstructure of Bridge 02708 carrying Route 154 over Plum Bank Creek // State Project No. 0105-0221



# Project Location: Aerial View

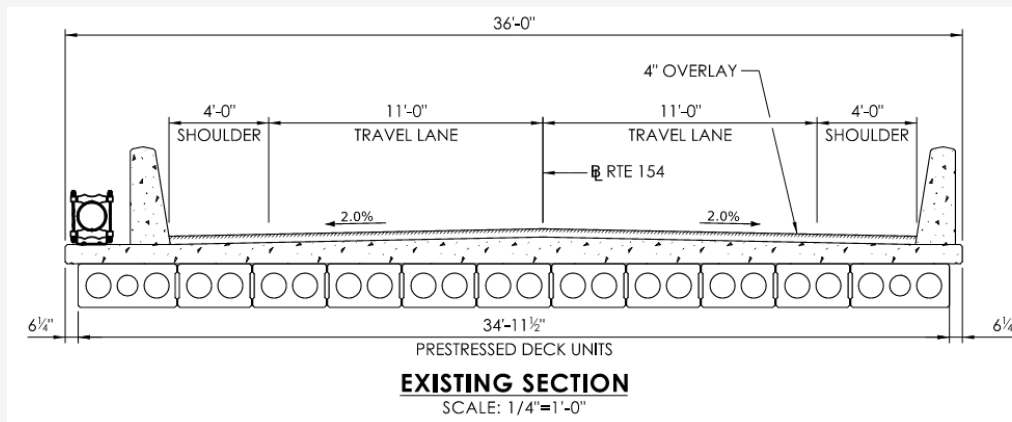


Bridge No. 02708 over Plum Bank Creek on Route 154

Raise the superstructure of Bridge 02708 carrying Route 154 over Plum Bank Creek // State Project No. 0105-0221

# Existing Bridge No. 02708 Information

| Year Built            | 2021                                                               |
|-----------------------|--------------------------------------------------------------------|
| Structure Type        | Prestressed deck units on pile supported integral abutment         |
| Curb-to-Curb Width    | 30'-0"                                                             |
| Out-to-Out Width      | 36'-0"                                                             |
| Structure Span Length | 43'-0" with no skew (40'-0" Clear Span)                            |
| Service               | Route 154 (Plum Bank Rd.) over Plum Bank Creek in Old Saybrook, CT |
| Average Daily Traffic | 3600 vehicles per day with 2% truck traffic (2022)                 |



# Current Site Conditions – Bridge No. 02708



Northbound Approach



Southbound Approach



# Current Site Conditions – Bridge No. 02708



Elevation View  
(Looking East)



Elevation View  
(Looking West)



# Current Site Conditions – Bridge No. 02708

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Abutment No. 1  
(Looking North)



Abutment No. 2  
(Looking South)

# Current Site Conditions – Bridge No. 02708



View Upstream of Bridge No. 02708  
(Looking East)



View Downstream of Bridge No. 02708  
(Looking West)



# Project Background

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## Bridge Construction and Design Challenges:

- The bridge includes concrete struts between supporting abutments.
- New abutments were constructed behind the existing abutments resulting in increasing bridge span.
- Increased span required a 12-inch thicker superstructure.
- Thicker superstructure required raising the roadway profile.

## Design Constraints and Objectives:

The project sought to minimize:

- Changes to the existing roadway profile
- Impacts to tidal wetlands
- Impacts to the waterway
- Approach roadway regrading
- Right-of-Way (ROW) acquisitions



# Project Background

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## Current Structure:

- Satisfies structural requirements & specifications
- Improves hydraulic performance and increases conveyance
- Improved condition rating and enhanced structure scour & flood protection
- Current low chord elevation is lower than original bridge
  - Lower roadway profile helped reduce overall impacts within project limits
  - Low chord contract and permit plan elevations differ from permit application elevations

## Consequences:

- Bridge as constructed does not comply with certain applicable State Coastal Statutes:
  - Require that coastal highway improvements, including bridges, “in no case decrease coastal access and recreational opportunities”
- Current bridge low chord needs to be raised to ensure recreational access and use from Plum Bank Creek
- The structure still must comply with:
  - Coastal statutes
  - Tidal & wetland regulations



# Corrective Action

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## Purpose:

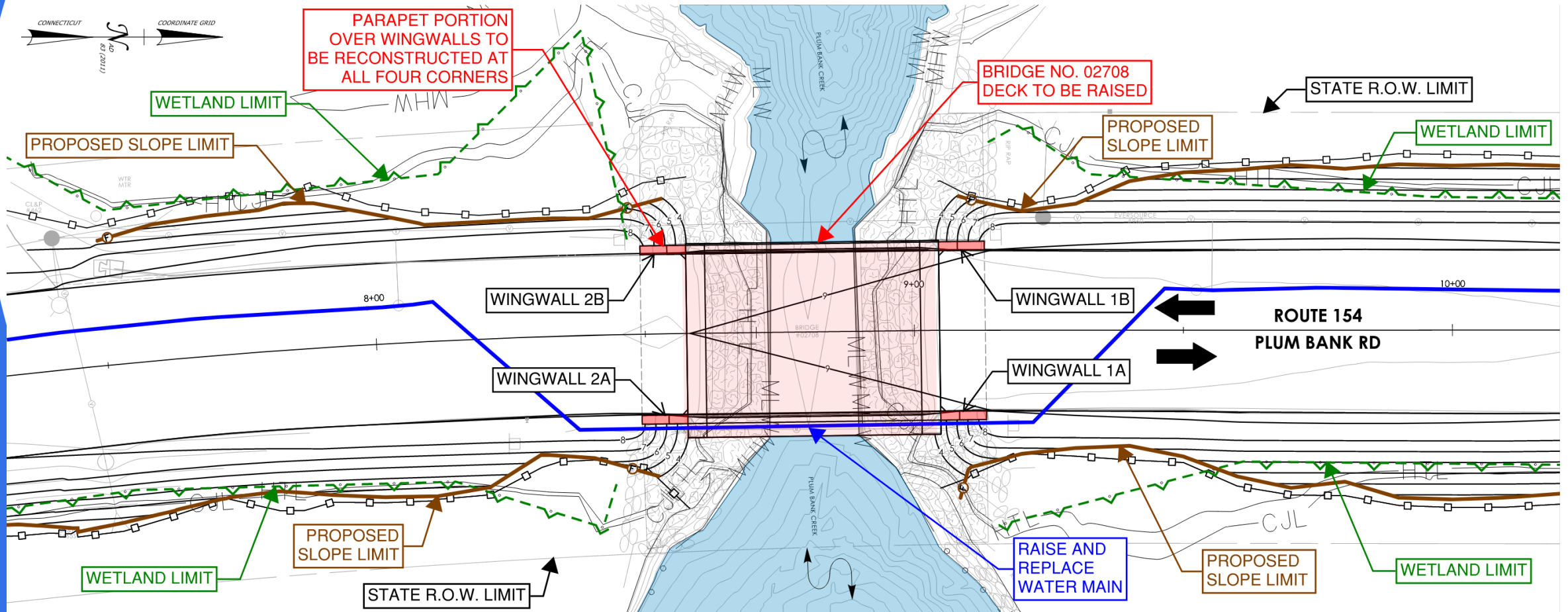
- Raise the bridge superstructure to restore the original low chord elevation.
- Improve navigational clearance while maintaining the lowest practical roadway profile.
- Restore navigational and recreational access.

## Need:

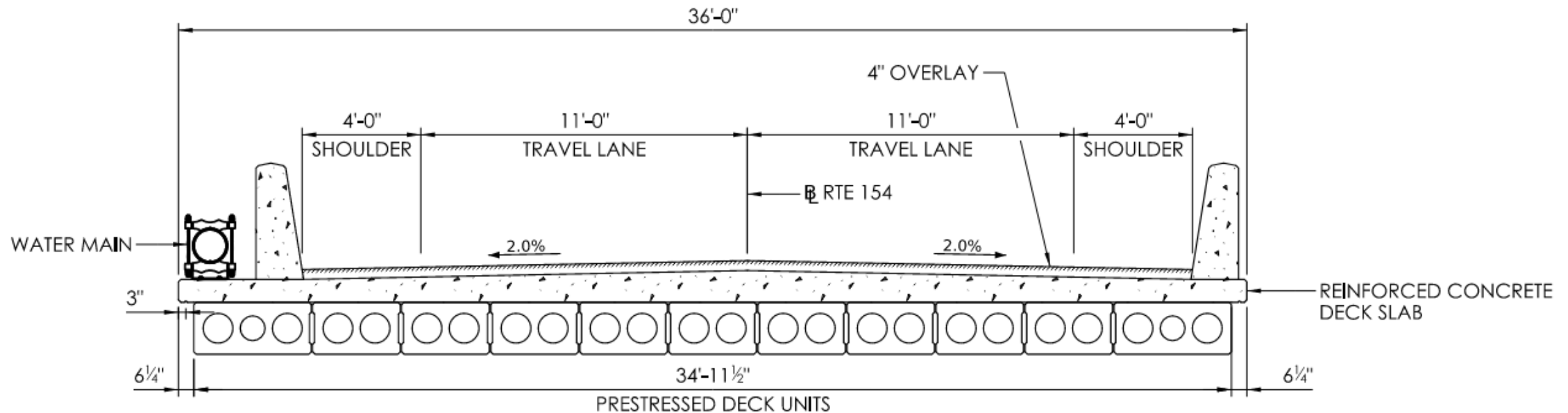
- Raising the bridge superstructure will require:
  - Raising the roadway profile by approximately 8.5" above its current alignment
  - Reconstructing the bridge backwalls, wingwalls, and parapets
  - Temporary water main relocation
  - Plum Bank Road will undergo two road closures
- Meet coastal, tidal and wetland regulatory requirements.
- Minimize impacts to wetlands, the waterway, roadway profile, approach grading, and right-of-way acquisitions.



# General Plan



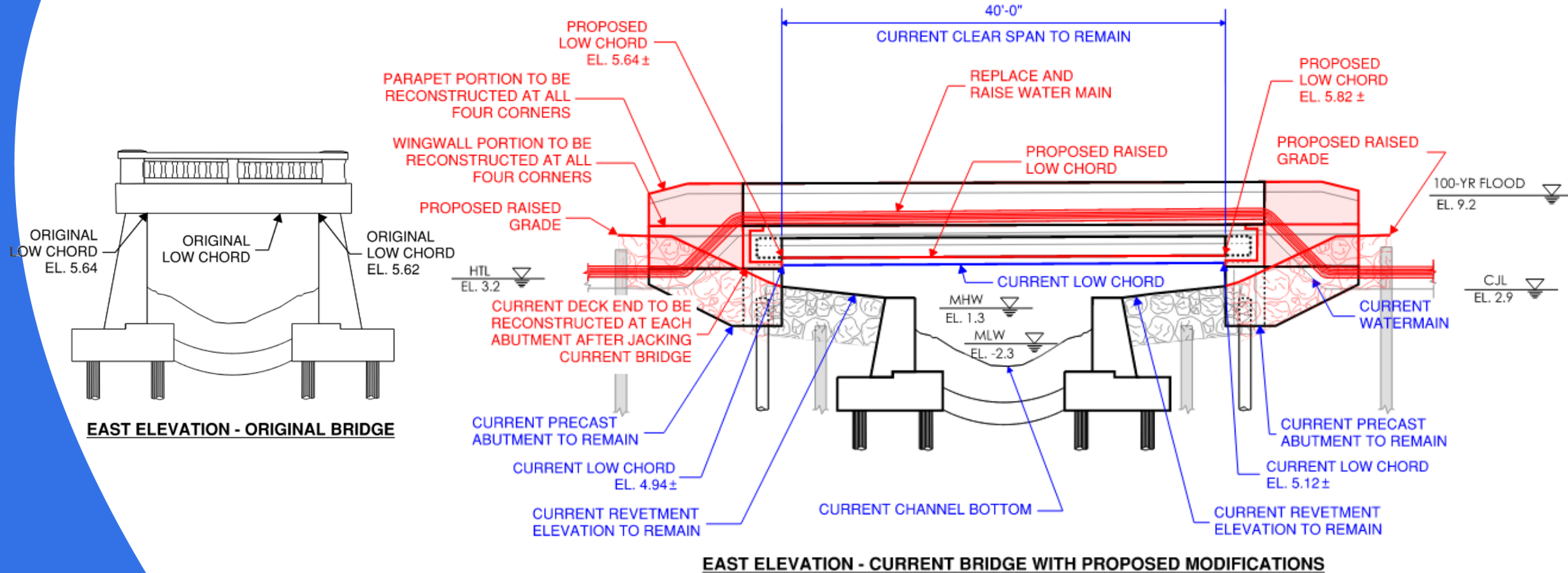
# Typical Cross Section of Bridge No. 02708



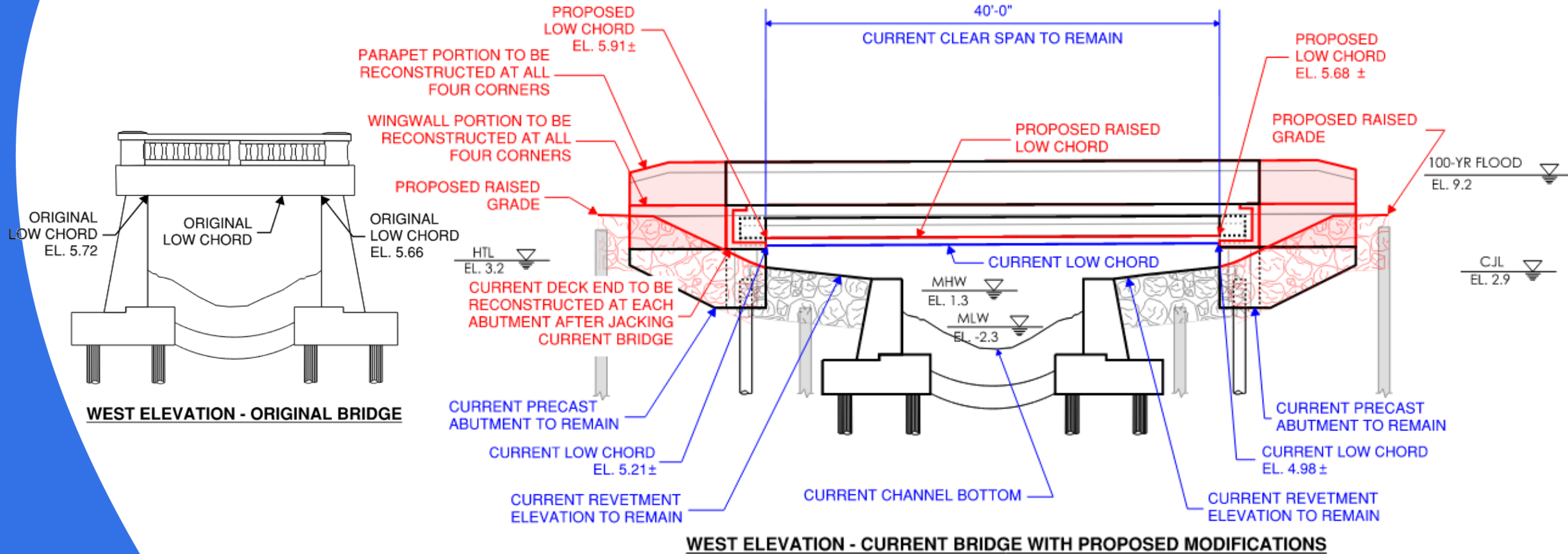
(Looking South)

**NOTE:** The current bridge superstructure roadway section will remain the same

# Bridge Elevation (East)

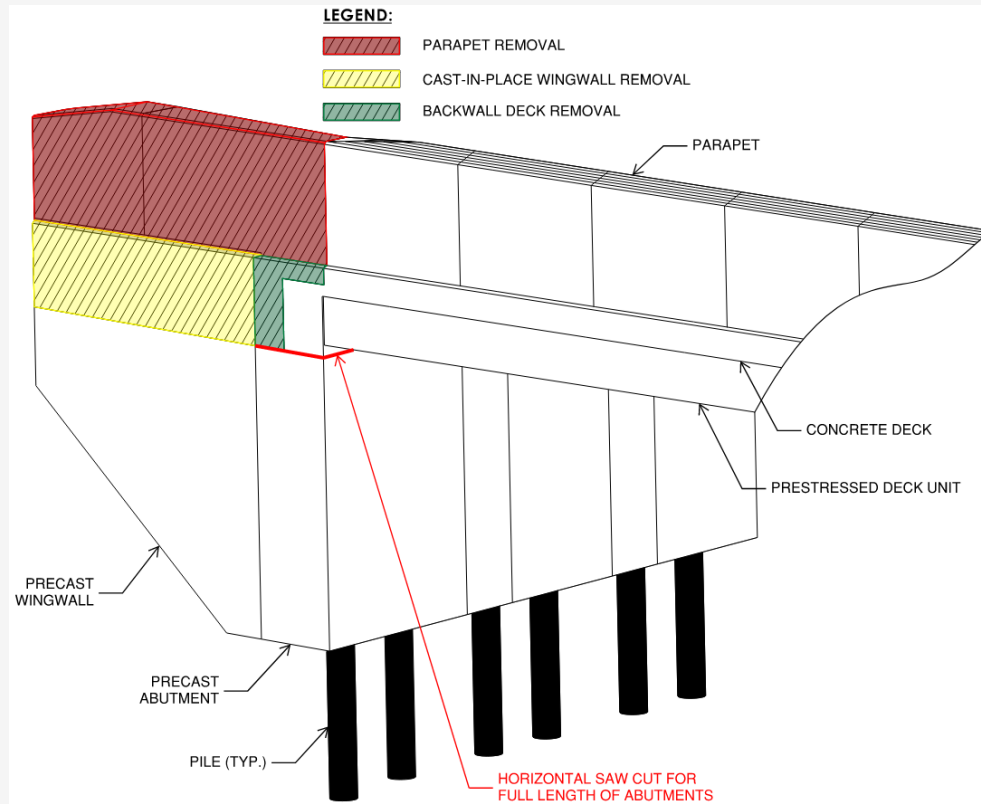


# Bridge Elevation (West)



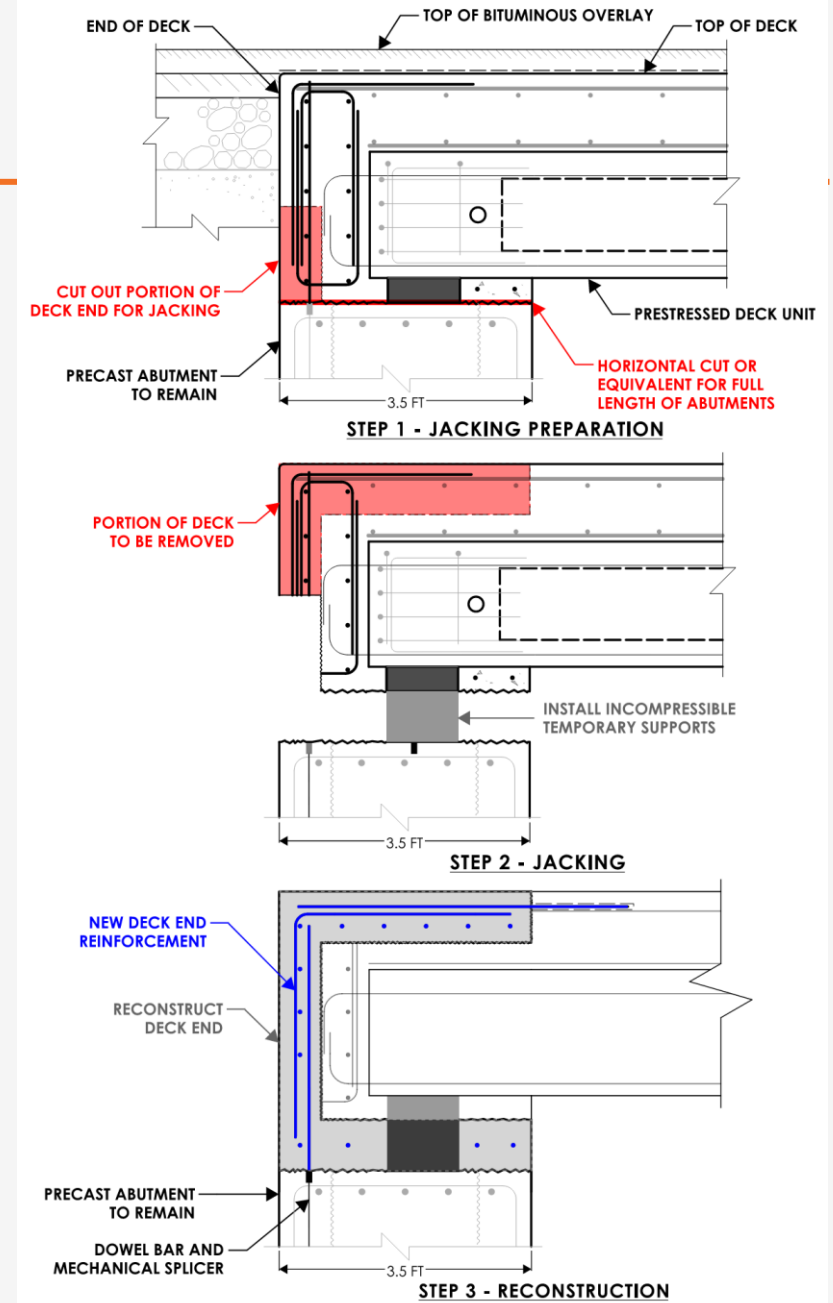
# Construction

- Excavate behind abutments
- Horizontally cut full length of abutments to separate superstructure from substructure
- Remove portion of concrete bridge parapets and cast-in-place wingwalls at all four corners



# Construction

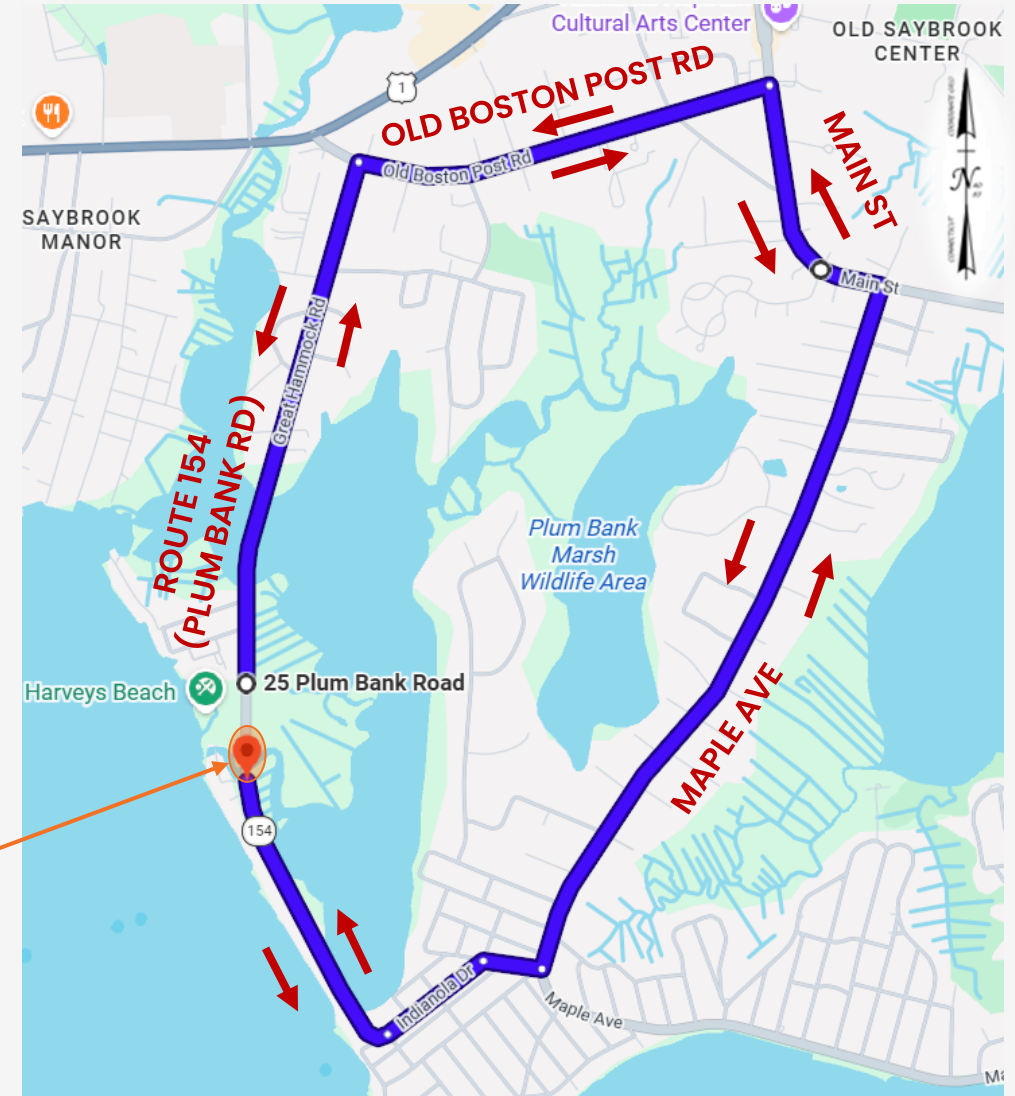
- Cut out portion of deck ends along abutments for placement of jacking devices
- Jack superstructure and install temporary supports to restore previous low chord elevation
- Further remove deck ends
- Provide new deck end reinforcement which will be doweled and bonded into existing concrete
- Reconstruct deck ends
- Reconstruct cast-in-place wingwalls at all corners
- Backfill abutment stems and reconstruct slopes
- Reconstruct concrete parapets at all corners
- Reconstruct approach roadways and embankments



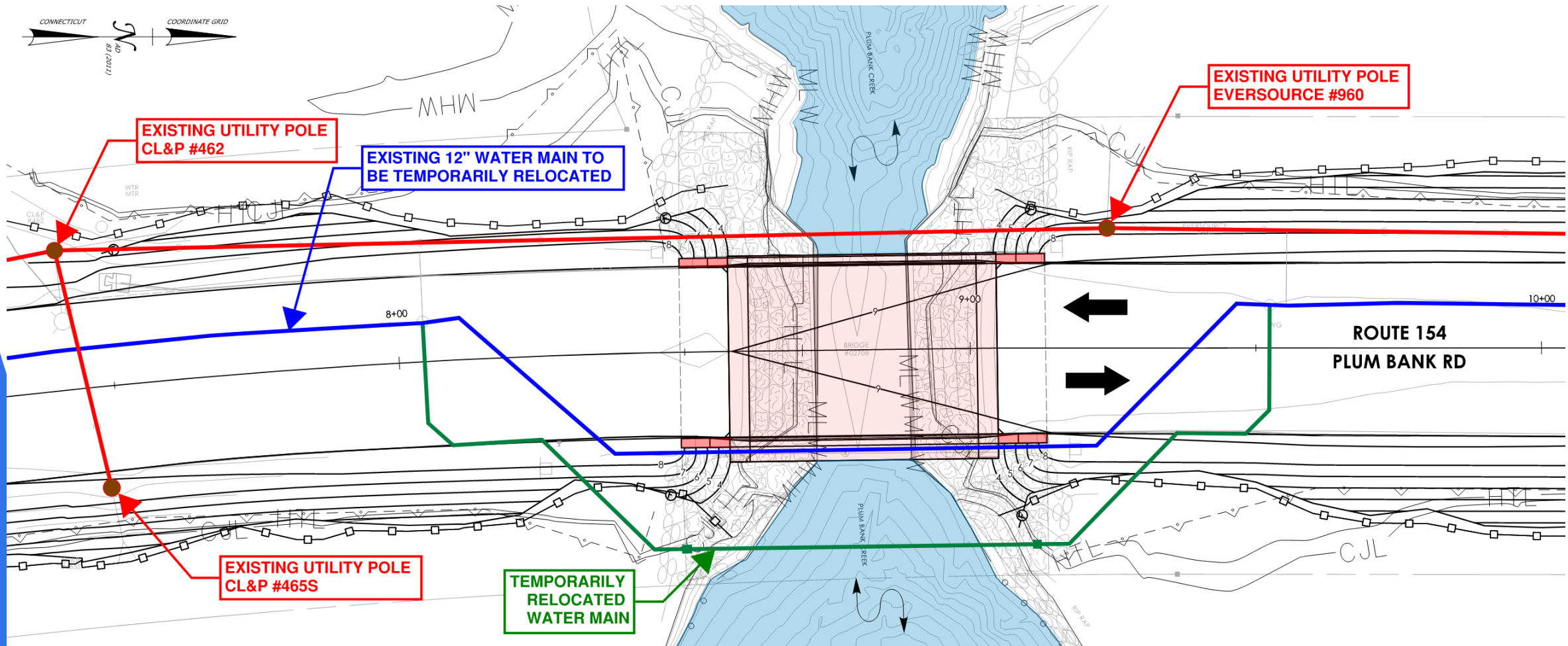
# Traffic Considerations

- Signed Detour Route:
  - Old Boston Post Road
  - Main Street
  - Maple Avenue
- Detour route length = 4 miles (~8 min.)
- Closure & detour expected to be 8 weeks
- Will occur outside of beach season (Labor Day – Memorial Day)
- Daily Traffic:
  - 3,600 vehicles (2% trucks)
- Shorter, secondary closure may be needed to temporarily relocate water main attached to bridge (2–3 weeks)

Location of  
Bridge No. 02708



# Project Constraints – Utility Plan



# Environmental Considerations

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- Project is located within FEMA Flood Hazard Zone VE
- Impacts to tidal wetlands delineated on both sides of Route 154 are anticipated, especially along the slope embankments of the approach roadways
- Proposed bridge improvement restores navigational and recreational access
- Construction will enable compliance with coastal statutes and tidal regulations
- Construction occurs primarily on bridge superstructure, limiting construction activities in the waterway
- Proposed construction type will maintain current state of fish passage



# Anticipated Permits

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- CTDEEP — Individual Flood Management Certification
- CTDEEP — Structures, Dredging, Fill, & Tidal Wetlands



- U.S. Army Corps — Pre-Construction Notification (Form 4345)



# Project Schedule

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## Schedule:

- Construction is anticipated to start in Spring of 2028
- Unconfined in-water work restricted to the period between June 1<sup>st</sup> & September 30<sup>th</sup>
- Final design plans anticipated by end of 2027

## Duration:

One construction season

## Construction Method:

### Full Road Closures:

- Spring of 2028 for utility relocation (occurring ~2-3 weeks before Memorial Day)
- Fall of 2028 for bridge work (occurring ~8 weeks after Labor Day)

## Cost: (100% State Funds)

\$3.4 M Including construction contracts, utilities, incidentals, contingency and inflation.

- Schedule subject to the availability of funds, right-of-way acquisition & permits



# Send a Question or Comment

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**By Email:** [Jonathan.Kempf@ct.gov](mailto:Jonathan.Kempf@ct.gov)

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

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**In Person:** Only available during meeting immediately  
**On Zoom:** following the presentation

Note: The comment period is open through **Thursday, September 10<sup>th</sup>, 2026**

\*Access by Email and Phone only. Live Q&A only available immediately following the in-person presentation.





# Question & Answer Session

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