

State Project No. 0082-0317

Rehabilitation of Bridge No. 00639R
Middletown-Portland Railroad Bridge

**Live Event: Tuesday, August 4th
6:30 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: DOTProject0082-0317@ct.gov

PHONE: (860) 594-2020 (voicemail only)

PROJECT WEBPAGE:
<https://portal.ct.gov/DOTMiddletown0082-0317>



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

La grabación de esta presentación estará disponible después del evento en YouTube, incluyendo subtítulos y acceso a traducciones en otros idiomas.





Public Information Meeting

Spanish speaking interpreters are available both in-person and online

Hay intérpretes que hablan español disponibles tanto en persona como en línea



State Project No. 0082-0317 Public Information Meeting

**This public meeting is specifically focused on the
Middletown-Portland Railroad Bridge project. For more
information about other projects on Route 9 in
Middletown, please visit**

<https://portal.ct.gov/dot/projects/route-9-middletown>

or

Email: DOT.Rte9Middletown.com

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>
- 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. Non-English translation options will be available on YouTube.

English closed captioning is available on Zoom.



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). 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; or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit 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

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

Título VI Aviso al Público

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. También puede visitar nuestra oficina administrativa en 2800 Berlin Turnpike, Newington, CT 06131. Para más información, visite www.ct.gov/dot.

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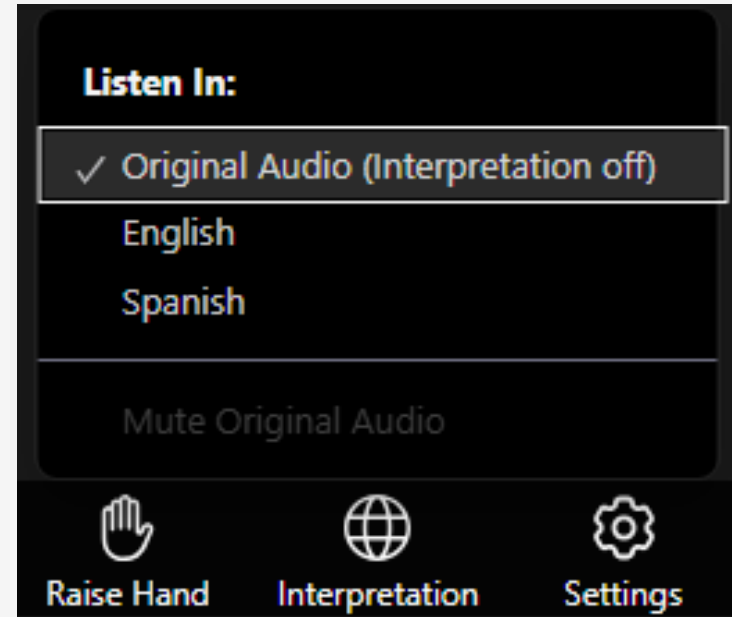
अधिक जानकारी या निःशुल्क भाषा संबंधी सहायता के लिए कृपया (860) 594-2109 पर कॉल करें।

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How to switch language in Zoom

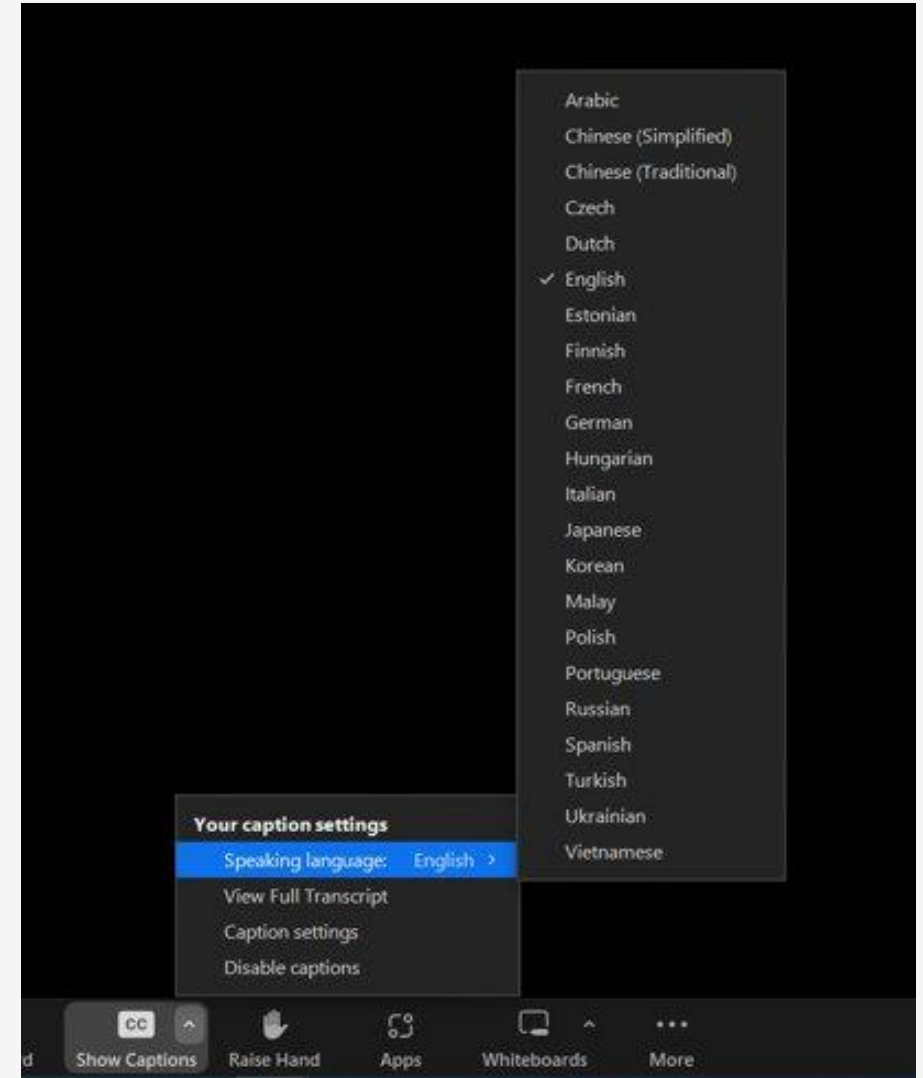
1. Click Interpretation (Globe)
2. Select Listen In and choose the language you would like to listen to the meeting in.



How to view captions in Zoom

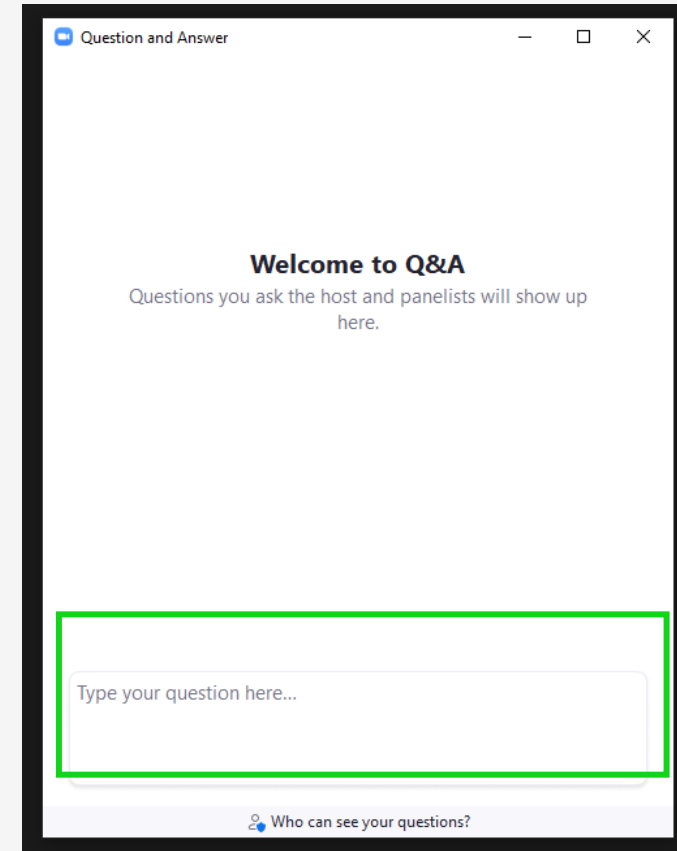
1. Click Show Captions (CC).
2. Click the Speaking Language.
3. Select English from the list shown.

Closed captioning—including non-English translation options—are available on YouTube after the event.



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, please submit your questions by email at DOTProject0082-0317@ct.gov



State Project No. 0082-0317

Rehabilitation of Bridge No. 00639R in Middletown-Portland

Meeting Overview

- Introductions
- Formal Presentation of Design
 - Explain existing conditions & define Purpose and Needs
 - Proposed recommendations
- Live and Virtual Question and Answer (Q&A) Session



Project Team – Connecticut Department of Transportation



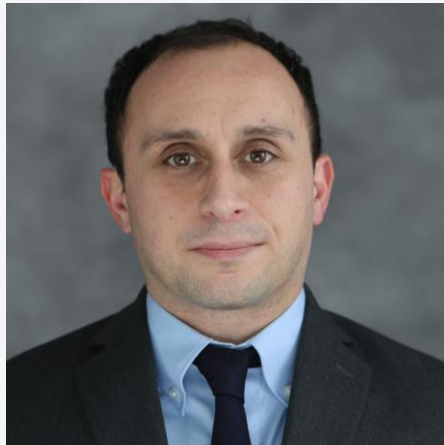
Derick Lessard,
P.E.
Division Chief
of Bridges
CTDOT



Alvaro Garcia Jr.,
P.E.
Principal
Engineer
CTDOT



Nick Martin, P.E.
Supervising
Engineer
CTDOT



Trejvis Karanxha
Project Engineer
CTDOT



Kathleen Ericson
Right-of-Way
Project
Coordinator
CTDOT



Welcoming Remarks



Michael A. Pelton
First Selectman
Town of Portland



Gene Nocera
Mayor
City of Middletown



Project Team – CLE and Design



Rachelle Clark,
P.E.
CLE Team
CHA



Ben Hawthorne,
P.E., S.E.
Senior Project
Manager
H&H



Nicole Eno, P.E.
Project Manager
H&H



Harry Martindale,
P.E.
Design Manager
Lochner



Sal Luzzi, P.E.
Roadway
Designer
H&H



Matt Gagliano,
P.E.
Principal
Mechanical
Engineer
H&H





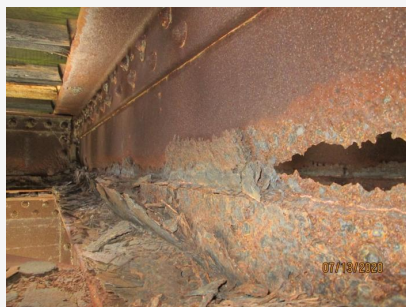
State Project No. 0082-0317

Purpose and Need

- The project **purpose** is to preserve the Middletown Swing Bridge as a safe and reliable freight rail crossing while maintaining navigation on the Connecticut River.
- The project is **needed** to address the bridge's serious overall condition, critically deteriorated fender systems, scour vulnerability, structural capacity deficiencies, and aging mechanical and electrical systems nearing the end of their reliable service lives.



Fender Condition



Structure Capacity



Increased Demand



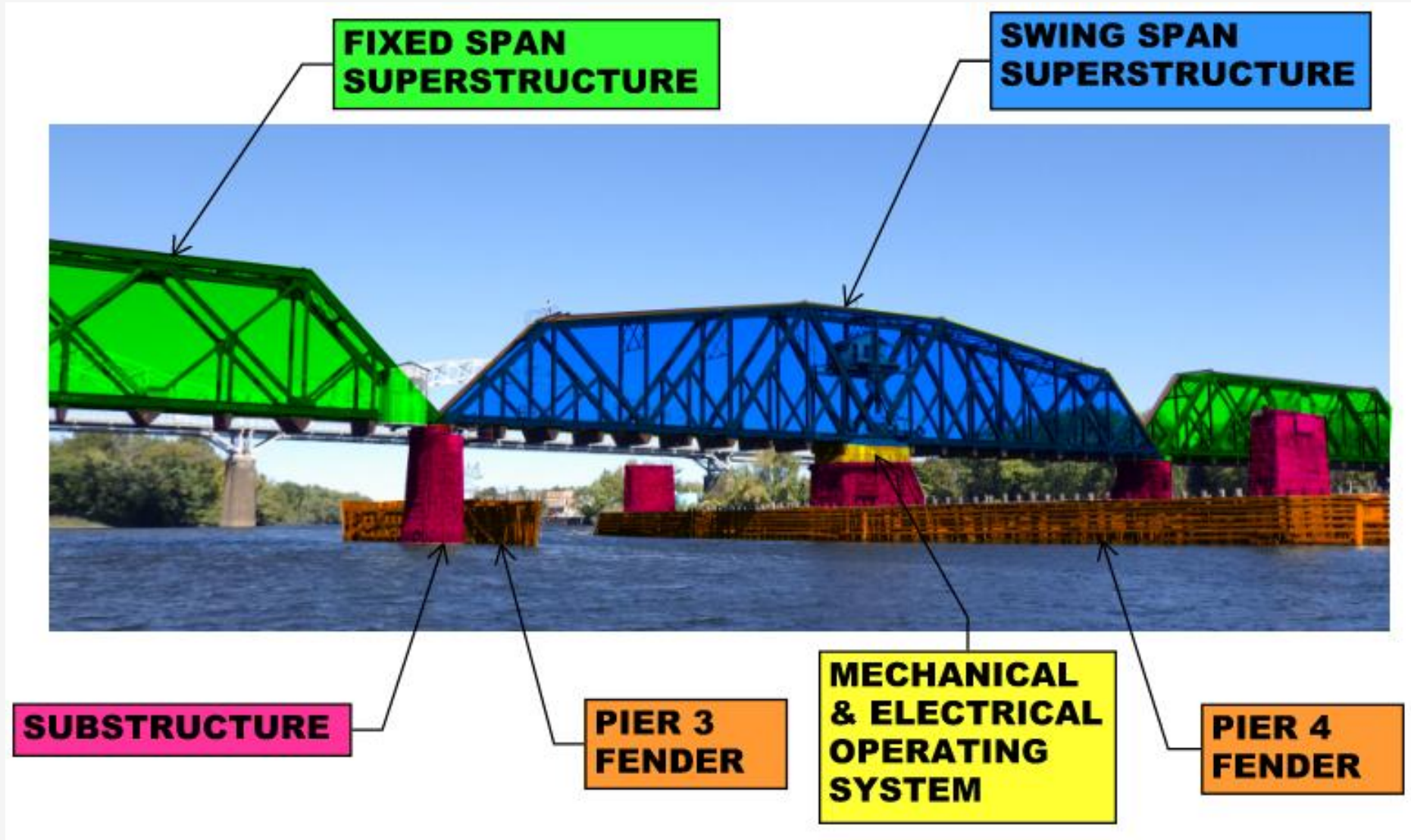
Mechanical and Electrical System Condition



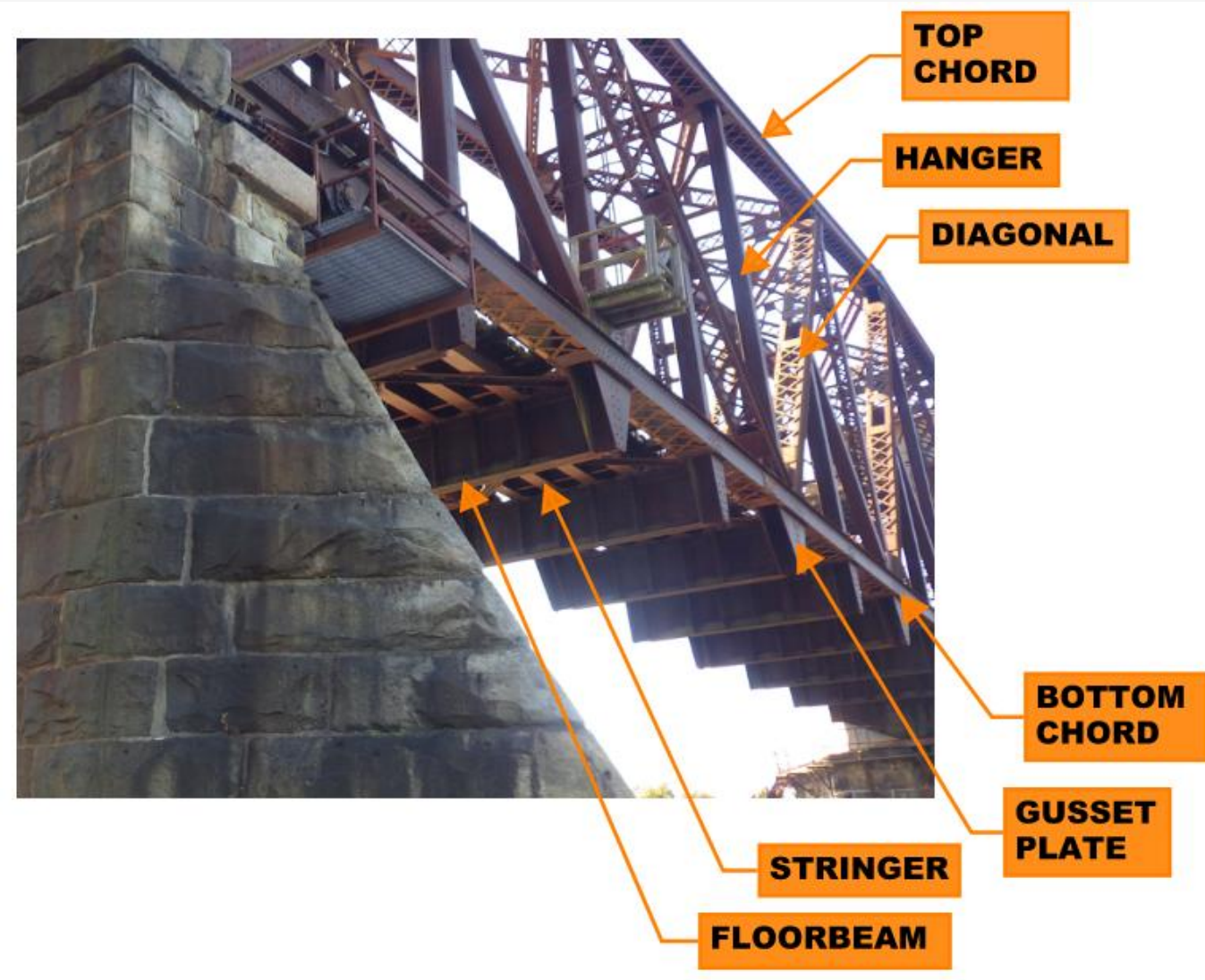
Project Location



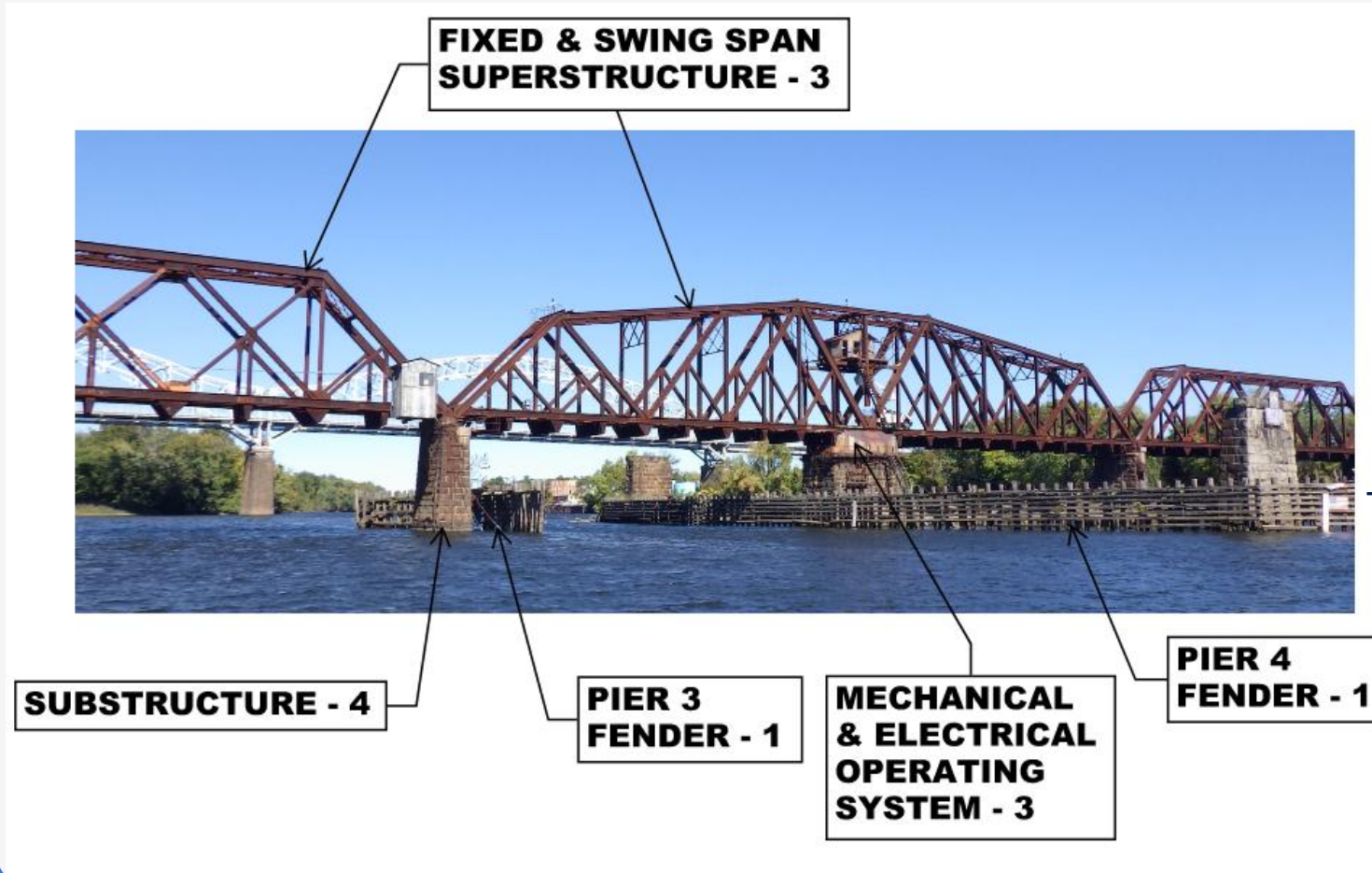
Bridge Structural Elements Diagram



Truss Structural Elements Diagram



Bridge Structural Elements Diagram



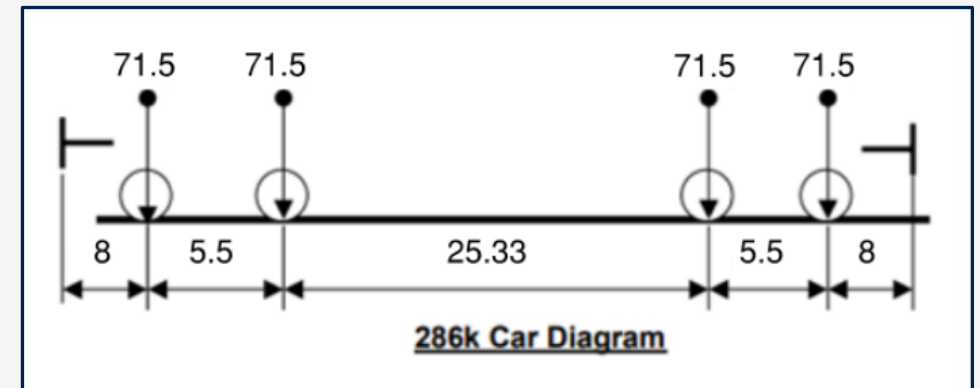
Bridge Condition Ratings

Scale: 0 to 9

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

Bridge Structural Load Rating

- Goal of Superstructure Rehabilitation is to Improve Load Carrying Capacity for Current Trains
- Evaluate the Superstructure Load Rating Capacity vs. Demand



Superstructure Existing Conditions & Improvements

- Deterioration of Steel Truss Elements
- Targeted Superstructure Steel Repair or Replacement of Elements
- Improve Load Rating Capacity and Condition Rating



Substructure Existing Conditions & Improvements

- Cracked Stones, Missing Mortar and Vegetation on Substructure
- Additional Confinement, Mortar Repair, Crack Sealing, Cleaning and Vegetation Removal
- Increase Condition Rating and Restore Visual Appearance



Fender System Existing Conditions & Improvements

- Existing Damage and Deterioration of the Pier 3 and 4 Existing Fenders
- Full Replacement of Fenders at Piers 3 and 4 with reduction in navigation channel width
- New piles must be located outside of existing
- West 99.2' to 86.3' and East 97.4' to 86.8'
- Improved Protection to Piers from Potential Vessel Collision



Rehabilitation of Bridge No. 00639R // State Project No. 0082-0317

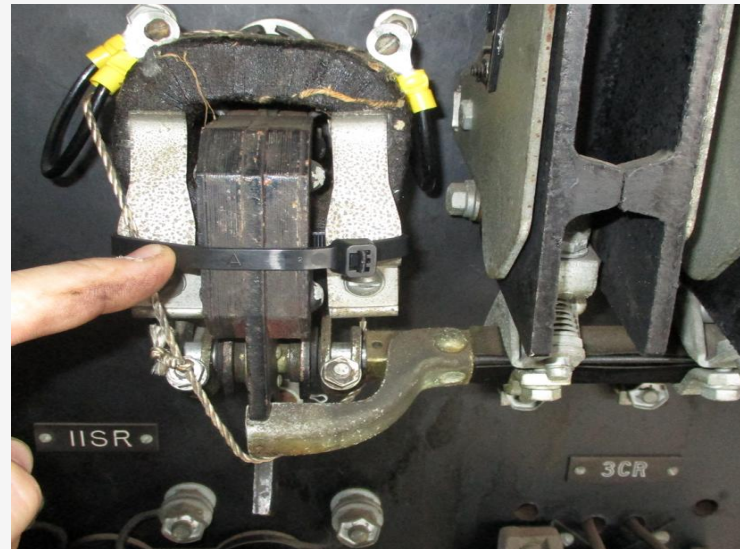
Mechanical Existing Conditions & Improvements

- Mechanical Equipment is severely worn and reaching the end of its service life
- Repair and Replacement of Equipment
- Increase Service Life and Provide Reliable Movement of the Bridge



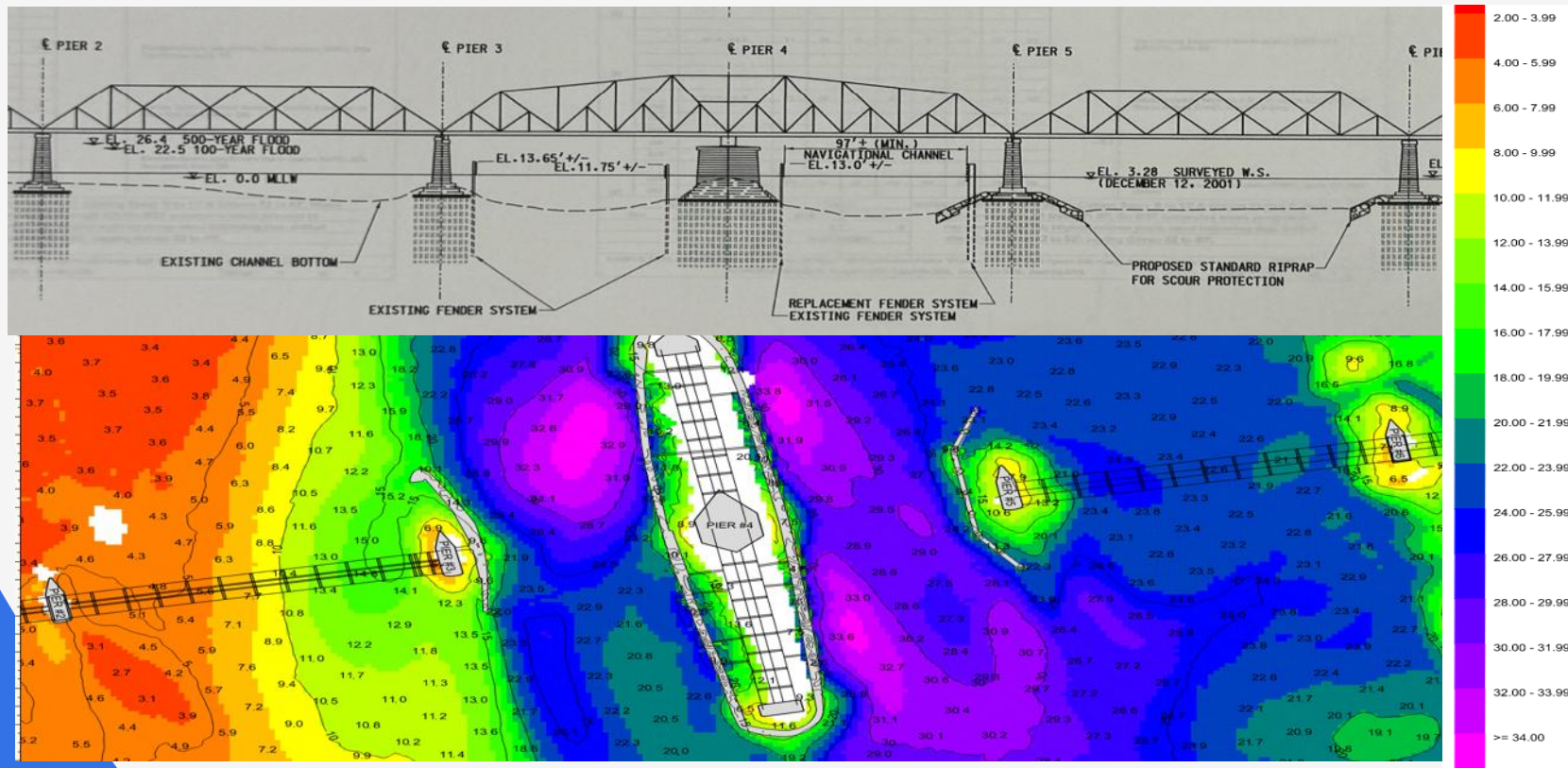
Electrical Existing Conditions & Improvements

- Electrical System is in overall poor condition (circa 1940)
- Brakes need to be replaced
- Fender Navigation Lights require replacement
- Replace Submarine Cable, Full Electrical System & Navigation Lights on Bridge
- Improve Operational Reliability

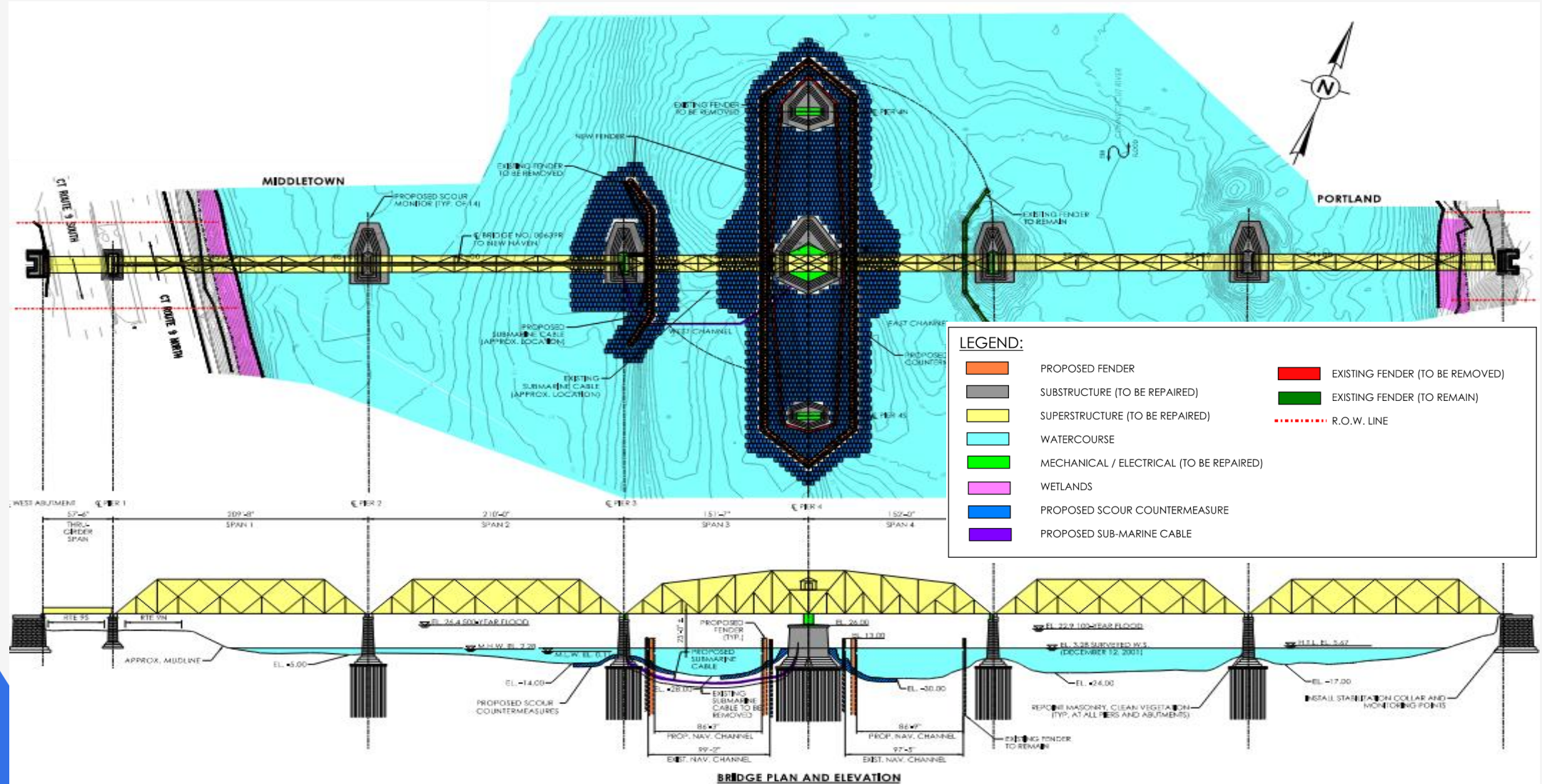


Riverbed Existing Conditions & Improvements

- Bathymetric Survey shows scour within areas near the bridge
- Install Concrete Revetment and Rip-Rap (top flush with existing riverbed)
- Prevent undermining of existing bridge foundation during very large storm events

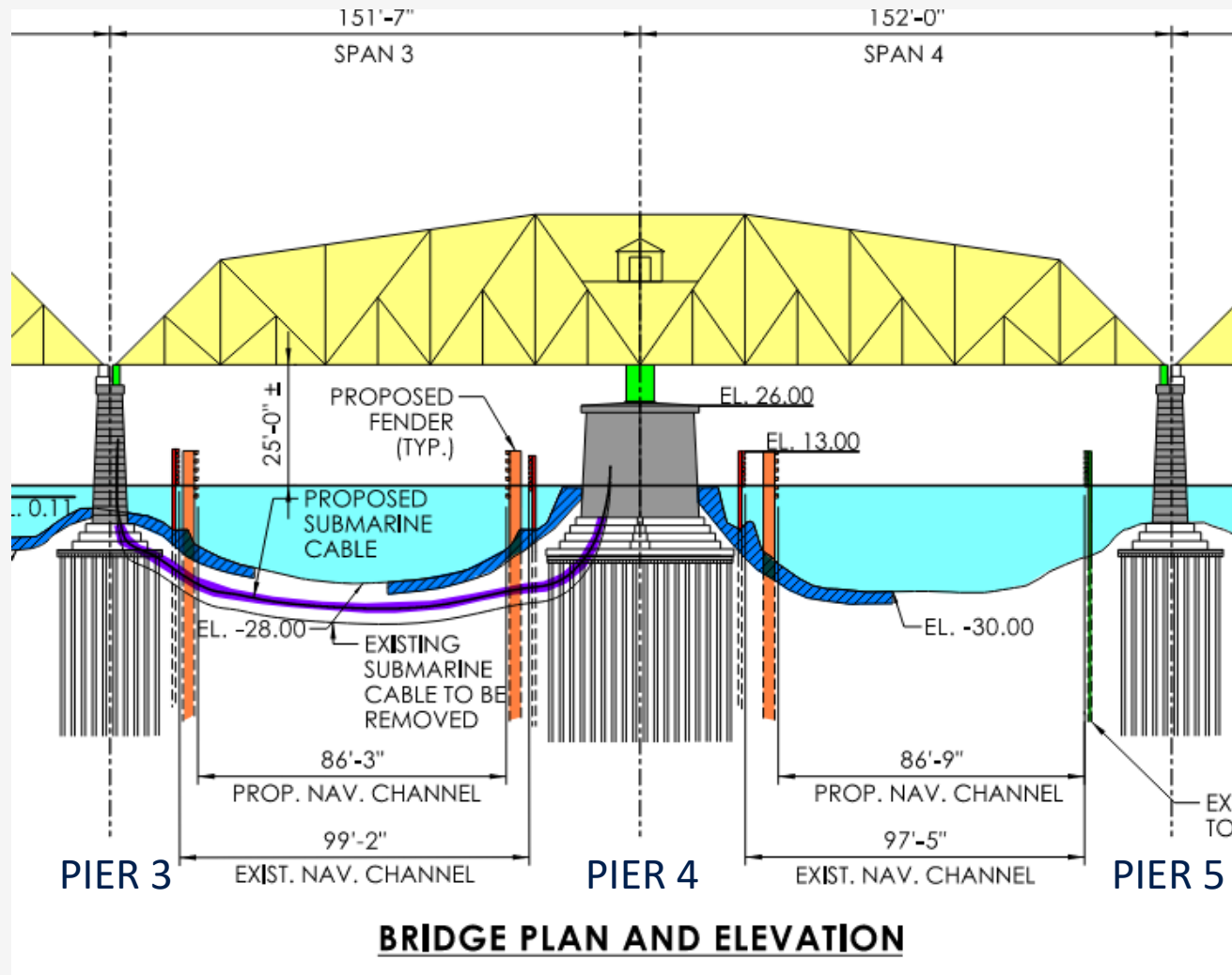


General Plan and Elevation



Rehabilitation of Bridge No. 00639R // State Project No. 0082-0317

Elevation at Navigation Channels



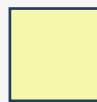
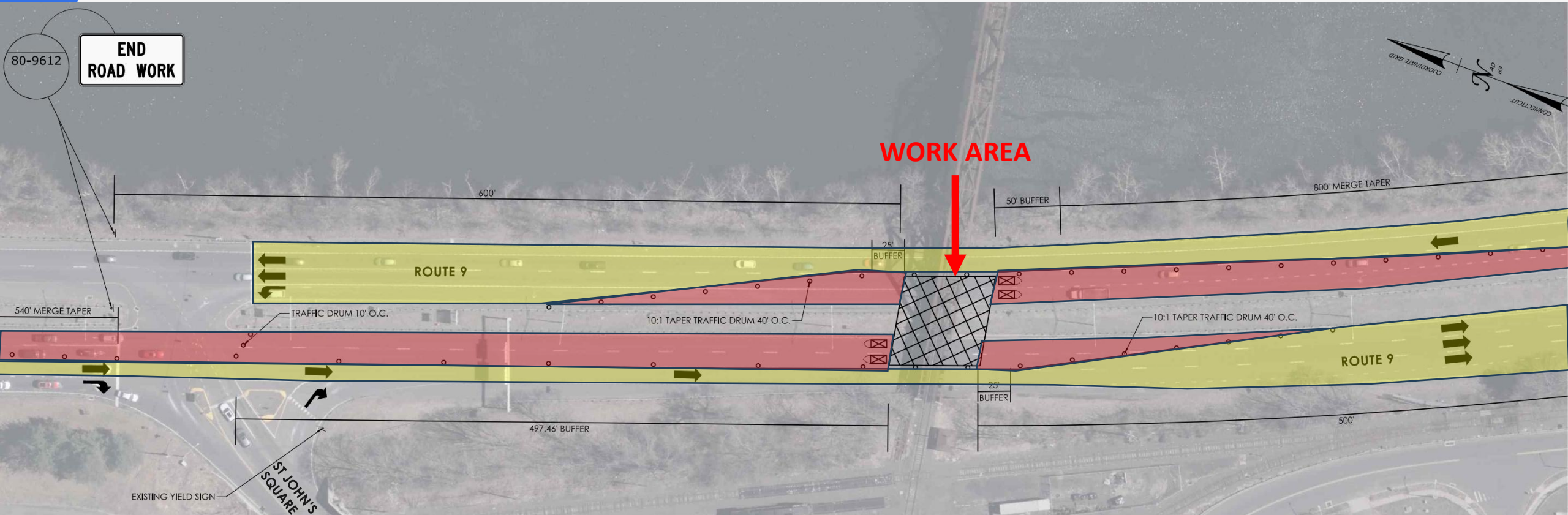
Maintenance & Protection of Traffic (MPT)

- The work on Bridge No. 00639R above Route 9 will occur in 3 stages, so Maintenance and Protection of Traffic will be performed in 3 stages also.
- Each stage will be setup and taken down daily
- Setup and take-down times will be chosen to minimize impacts to traffic flow during the morning and evening rush hour.



Rehabilitation of Bridge No. 00639R // State Project No. 0082-0317

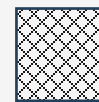
Maintenance & Protection of Traffic (MPT) – Stage 1



= Areas that will be open to traffic



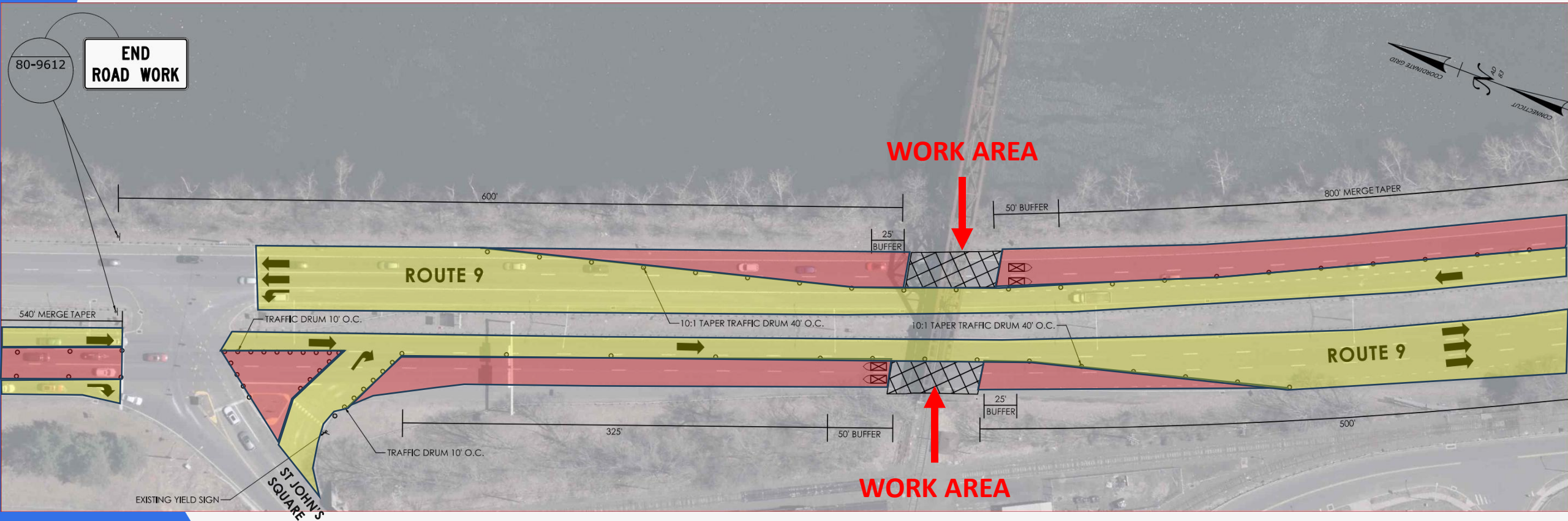
= Areas that will be closed to traffic



= Work Area



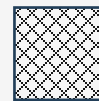
Maintenance & Protection of Traffic (MPT) – Stage 2



= Areas that will be open to traffic



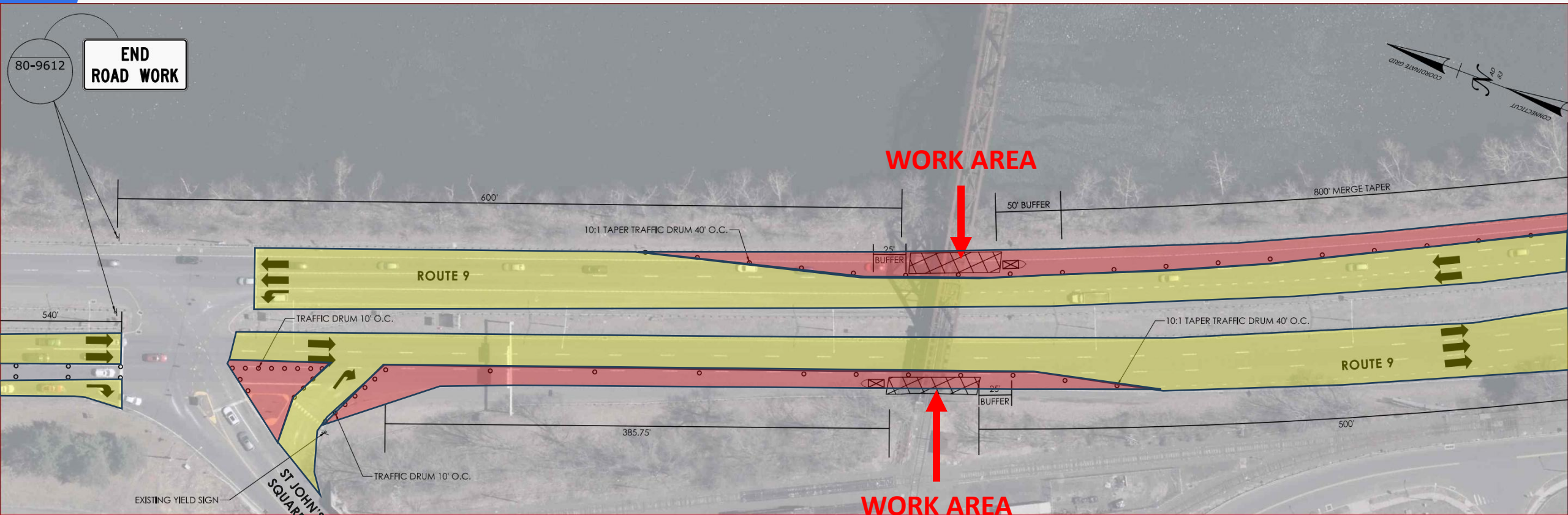
= Areas that will be closed to traffic



= Work Area



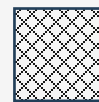
Maintenance & Protection of Traffic (MPT) – Stage 3



= Areas that will be open to traffic



= Areas that will be closed to traffic

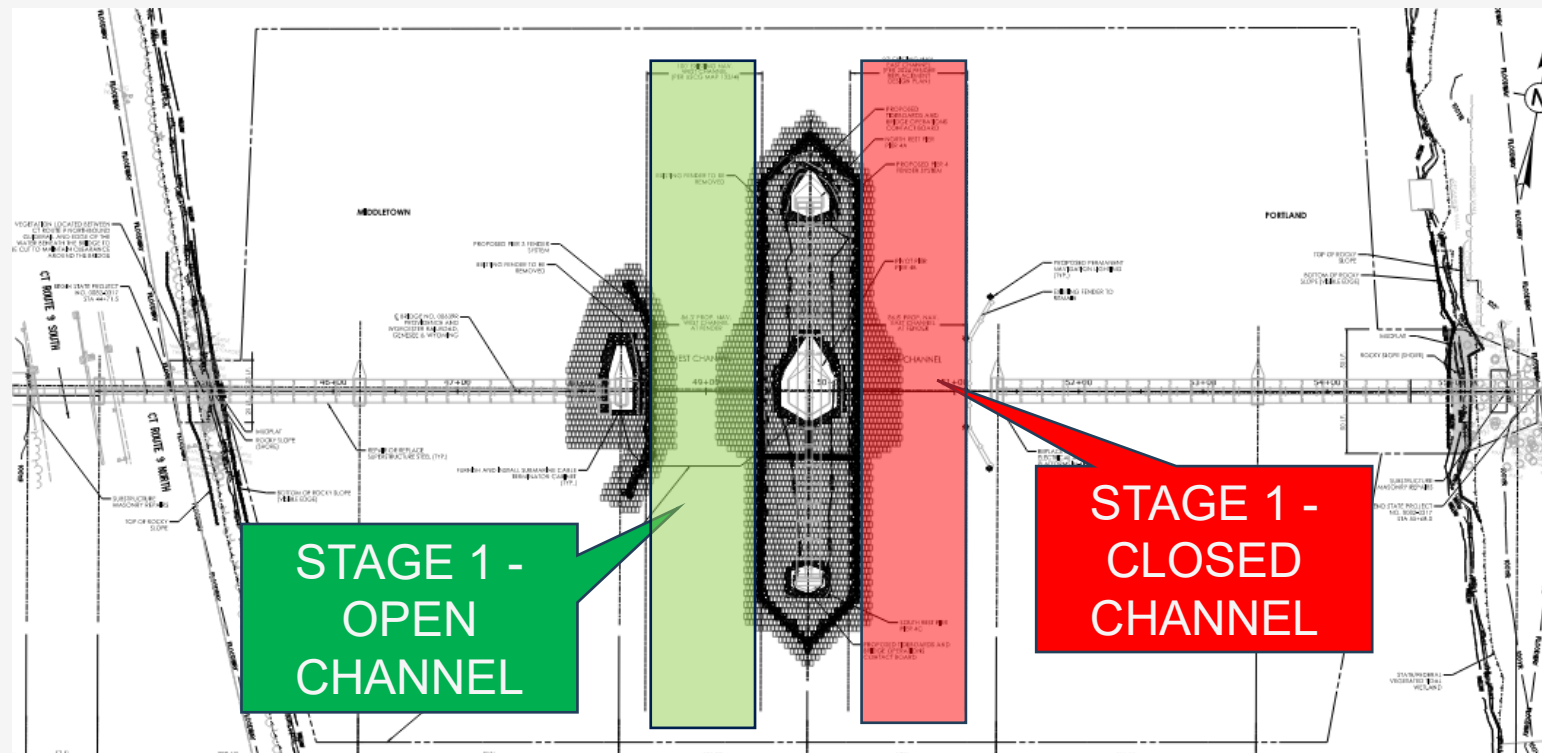


= Work Area



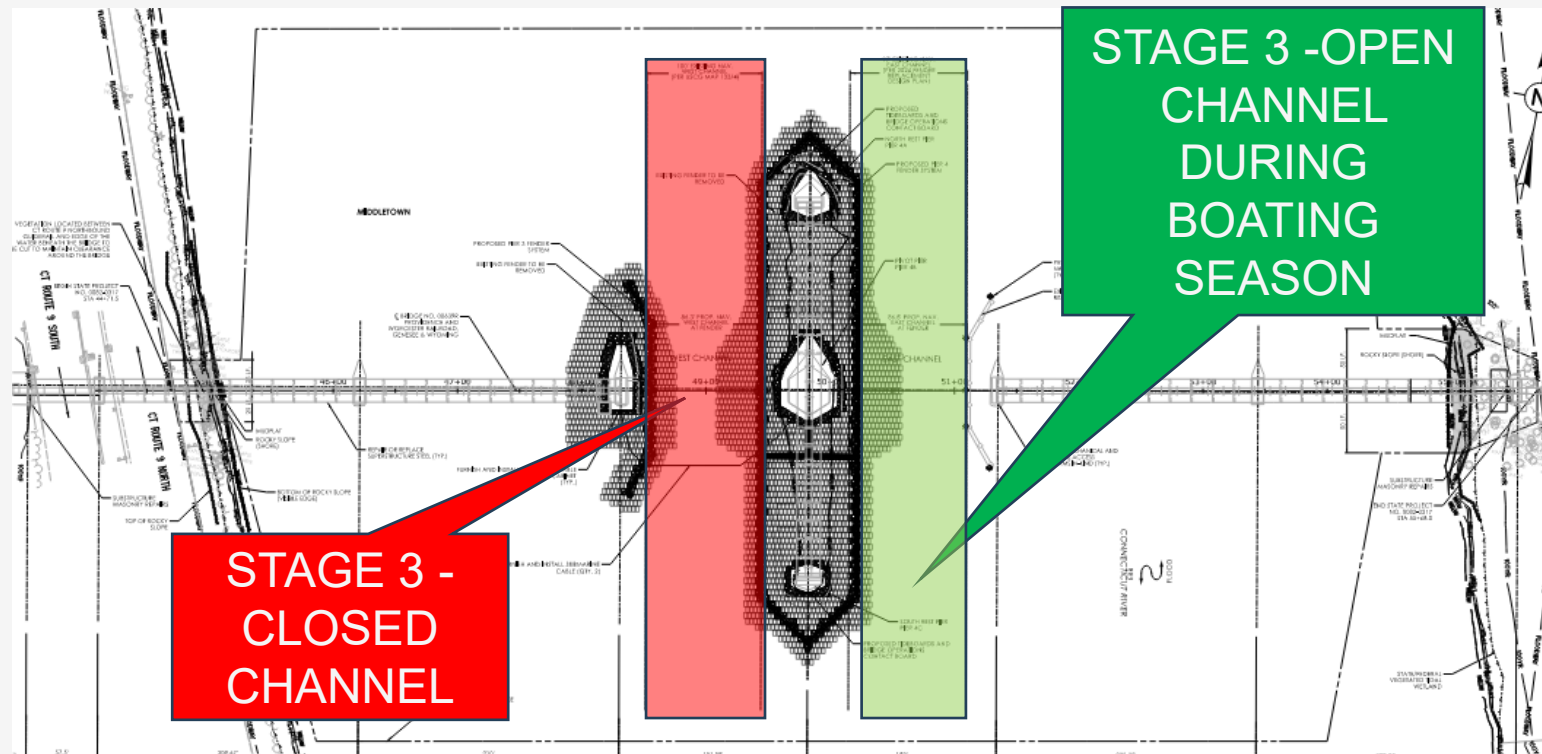
Navigation Channel Impacts

- Single channel closures will be required for substructure repair, installation of submarine cables, scour countermeasures, and fender system.
- Stage 1 approximate duration is 3 months.
- Bridge will remain operable during this stage



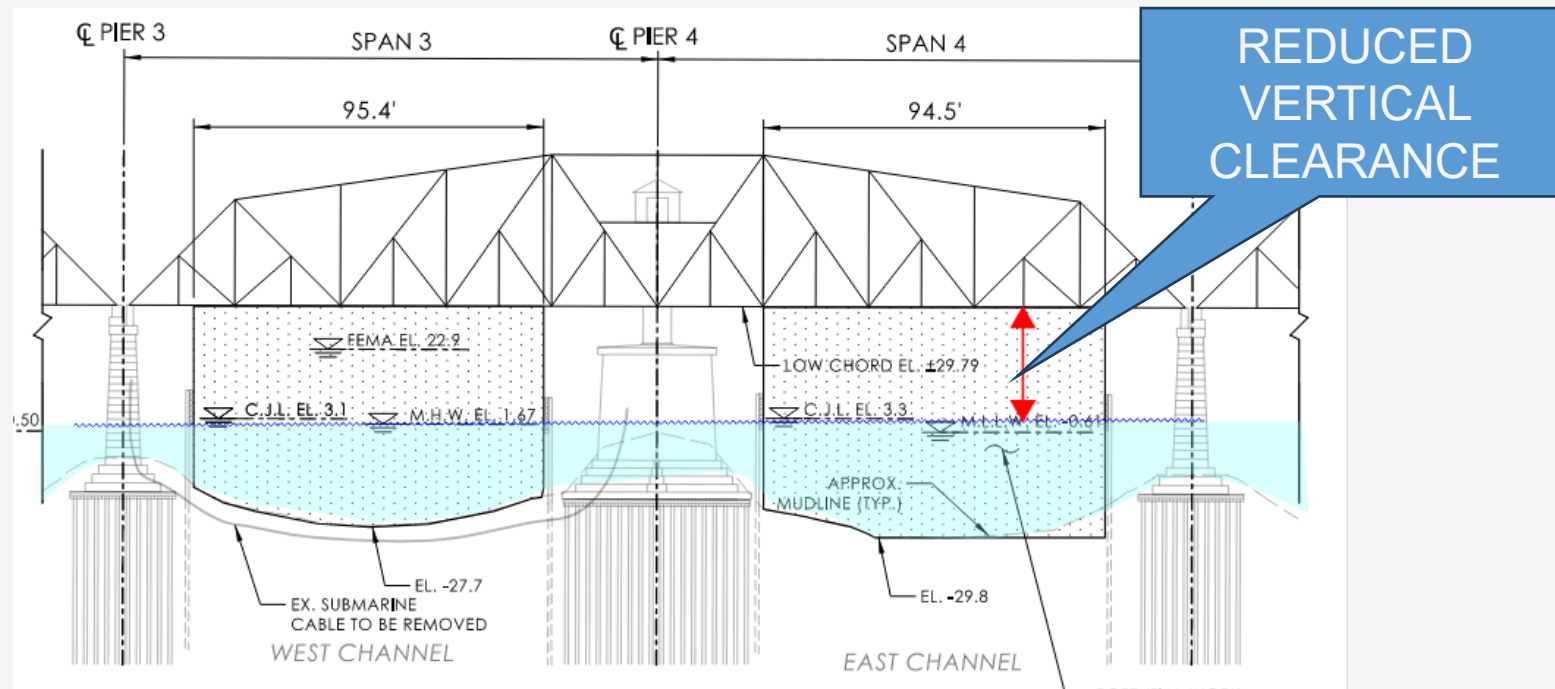
Navigation Channel Impacts

- Stage 3 approximate duration is approximately 6 months
- 3 winter months during this stage (2030 to 2031 outside of boating season) the bridge will stay in the closed position but open to trains



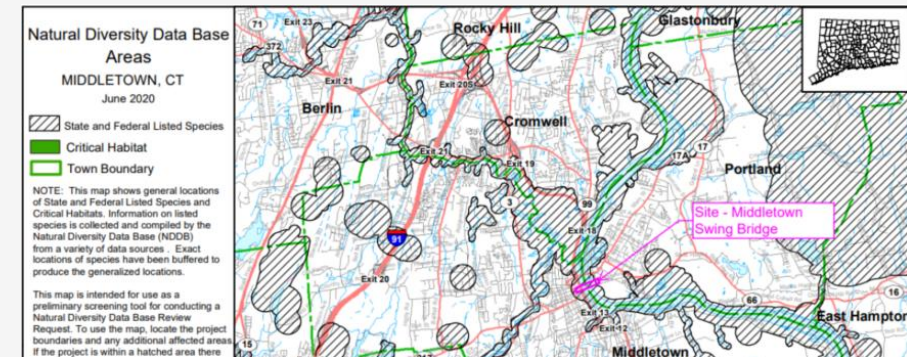
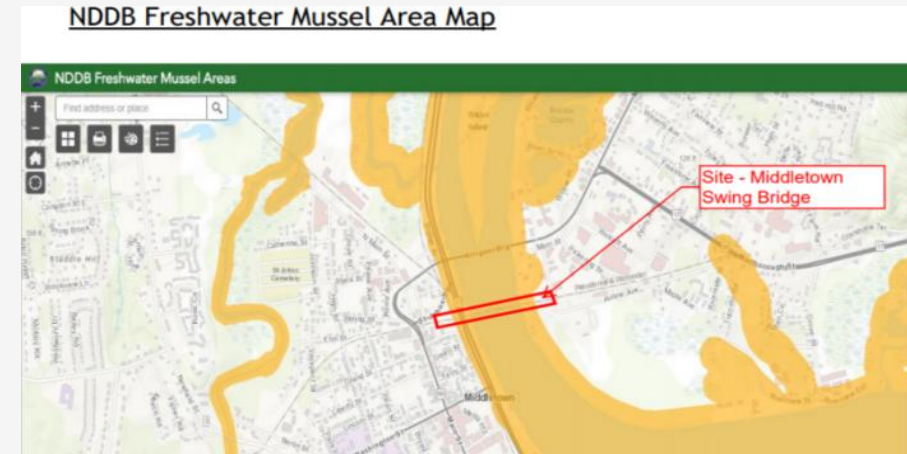
Navigation Channel Impacts

- There will be periods of reduced vertical clearance through the channel during replacement of the bridge operating system.
- This work is anticipated to be scheduled to occur during winter off-peak boating season.



Environmental Permits

- Environmental Permits Anticipated :
 - Flood Management General Certification (FMG)
 - CTDEEP Structures, Dredging, Fill, Tidal Wetlands & 401 Permit
 - USACE Section 404/Section 10 Permits
 - USACE Section 408 Permits
 - US Coast Guard Bridge Permit and Deviation Letter
- Mussel Survey and Mussel Relocation
- Bat Assessment & Restriction of Tree Clearing
- Protection of Peregrin Falcon if present during construction
- Best Management Practices to protect migrating fish, especially Sturgeon
- Use of concrete revetment system reduces footprint of streambed disturbances reducing aquatic habitat impact



Historic Preservation

- The Bridge and Approaches are included in the State Historic Bridge Inventory and State Historic Bridge Preservation Plan
- Eligible for Listing in the National Register of Historic Places
- Will complete all required Section 106 evaluation and documentation
- Explore all possibilities for applying the ACHP Section 106 Program Comment for Rail ROW
- SOI Qualified Architectural Staff
- Assess the historic components which contribute to the National Register of Historic Plance eligibility and evaluate the potential effects of the proposed rehabilitation
- Assess whether any submarine related work will affect potential archaeological resources in intertidal or near-shore areas



PROJECT SCHEDULE AND COST

- Schedule:
 - Construction: Fall 2028 (subject to funding and permit approvals)
 - Construction Duration: 3 Seasons (29 months)
- Cost:
 - Construction Cost: \$87 million
 - Current Funding is 100% State Funds – Subject to change based on potential Federal funding grants

*Cost and schedule are preliminary and are subject to change



Question & Answer Session



By Email: DOTProject0082-0317@ct.gov



By Phone: (860) 594-2020

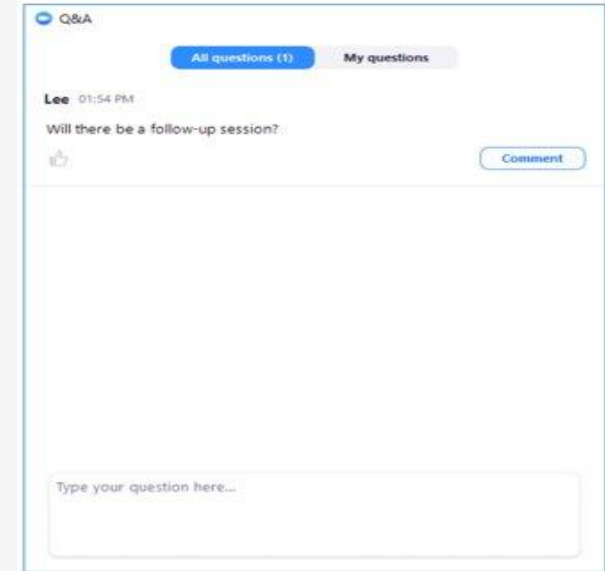


On Zoom: Q&A



Project Webpage:

portal.ct.gov/DOTMiddletown0082-0317



Moderator will answer questions
in Zoom Q&A function

- Spanish speaking interpreters are available both in-person and online
- Hay intérpretes que hablan español disponibles tanto en persona como en línea

Note: Comment period is open through Tuesday, August 18, 2026

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

