



Chelsea – Structural Cleaning and Painting, Steel and Concrete Repairs on the Tobin Bridge

Public Information Meeting

Chelsea | June 28, 2023 | 6:30 p.m.

Project File No. 605959



Translation Services

English

- Spanish translation service is available at this meeting
- Please raise your hand or see Edwin for assistance

Spanish

- Servicio de traducción en español está disponible en esta reunión
- Por favor levante la mano o consulte a Edwin para ayuda

Public meeting notes and procedures

Notification of video recording

- This public meeting will be recorded. The Massachusetts Department of Transportation may choose to retain and distribute the video, images, or audio.
- All parts of this meeting are considered public record.
- By continuing attendance with this public meeting, you are consenting to participate in a recorded event.
- If you are not comfortable being recorded, you may choose to excuse yourself from the meeting.

Important notes

- The meeting will be open to questions and answers at the end of the formal presentation.

All questions and comments are welcome and appreciated, however we do request that you refrain from any disrespectful comments.

Notice of MassDOT's policy on diversity and civil rights

- All MassDOT activities, including public meetings, are free of discrimination.
- MassDOT complies with all federal and state civil rights requirements preventing discrimination based on sex, race, color, ancestry, national origin (limited English proficiency), religion, creed, gender, sexual orientation, gender identity or expression, or veteran's status.
- We welcome the diversity from across our entire service area. If you have any questions or concerns, please visit <https://www.mass.gov/nondiscrimination-in-transportation-program> to reach the Office of Diversity and Civil Rights.

Thank you for joining our meeting. We appreciate your participation!

Agenda

- 01 Introduction
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- 05 Project Initiation
- 06 Project Goals
- 07 Construction Approach
- 08 Roadway Impacts
- 09 Environmental and Community Impacts
- 10 How We Will Keep You Informed
- 11 Q&A



Presentation Participants


- **MassDOT**
 - Mike O'Dowd, Director of Major Projects
 - John Fallon, Project Manager
 - Mauricia Yeb, District 6
 - Mark Griffin, District 6
- **TranSystems**
 - Tom Stuopis, Senior Project Manager
- **HNTB**
 - Patrick Marvin, Public Involvement

Language Translation Speakers

- **Spanish**
 - Edwin Choriego

Public Meeting Notifications

- Newspaper Ads
 - Chelsea Record
 - Daily Item
 - El Planeta
- Media Advisory
- MassDOT Website
 - Flyer posted in English and Spanish
- Email Blasts
 - Sent to over 3,000 contacts
 - Content in English and Spanish
- MassDOT Social Media
 - Facebook
 - Twitter
 - Instagram



Tobin Bridge Project Public Information Meeting


What is happening?
MassDOT will host a public meeting to provide updates and receive public comments on the Structural Cleaning & Painting, and the Steel & Concrete Repairs on the Maurice J. Tobin Bridge in Chelsea, MA. This in-person public meeting will be recorded and available online at a later date for viewing at: <https://www.mass.gov/orgs/highway-division/events>

How will this affect you?
The proposed project consists of location-specific cleaning and painting of the upper and lower sections of the bridge and the Beacon Street Ramp. The purpose is to clean and remove the existing paint, and repair steel and concrete, on the bridge as needed.

When	Where
Wednesday, June 28, 2023 6:30pm	Williams Jr. High School Cafeteria 180 Walnut Street Chelsea, MA 02150



Visit www.mass.gov/orgs/highway-division/events for more information.



To ensure its meetings are accessible, MassDOT reasonably provides: translation, interpretation, modifications, accommodations, alternative formats, and auxiliary aids and services. To request such services, please contact MassDOT's Chief Diversity and Civil Rights Officer at 857-368-8580 or MassDOT.CivilRights@dot.state.ma.us. For adequate time to process such request, please make them as early as possible, ideally 10-15 days prior to the event.



Project inquiries may also be emailed to MassDOTProjectManagement@dot.state.ma.us. Please submit any written statements regarding the proposed undertaking to: Carrie A. Lavallee, P.E., Chief Engineer, MassDOT, 10 Park Plaza, Boston, MA 02116, Attention: Project Management, PROJECT FILE NO. 605959



Proyecto del puente Tobin Reunión pública informativa

¿De qué se trata?
MassDOT organizará una reunión pública para proporcionar actualizaciones y recibir comentarios del público sobre el Proyecto estructural de limpieza y pintura, y las reparaciones de acero y hormigón en el puente Maurice J. Tobin en Chelsea, MA. Esta reunión pública en persona se registrará y estará disponible para verse en línea en: <https://www.mass.gov/orgs/highway-division/events>

¿Cómo esto le afectará a usted?
El proyecto propuesto consiste en la limpieza y pintura de las secciones superior e inferior del puente y de la rampa de la calle Beacon en lugares específicos. El objetivo es limpiar y eliminar la pintura existente, y reparar el acero y el hormigón, en el puente según sea necesario.

Cuándo	Dónde
Miércoles 28 de junio de 2023 6:30pm	Cafetería de Williams Jr. High School 180 Walnut Street Chelsea, MA 02150



Visite www.mass.gov/orgs/highway-division/events para obtener más información.



Para garantizar que sus reuniones sean accesibles, MassDOT proporciona razonablemente: traducción, interpretación, modificaciones, adaptaciones, formatos alternativos y ayudas y servicios auxiliares. Para solicitar dichos servicios, póngase en contacto con el responsable de Diversidad y Derechos Civiles de MassDOT en el 857-368-8580 o en MassDOT.CivilRights@dot.state.ma.us. Para disponer de tiempo suficiente para tramitar dicha solicitud, hágala lo antes posible, idealmente de 10 a 15 días antes del evento.



Las consultas sobre el proyecto también pueden enviarse por correo electrónico a MassDOTProjectManagement@dot.state.ma.us. Por favor, envíe cualquier comentario escrito sobre el proyecto propuesto a: Carrie A. Lavallee, P.E., Chief Engineer, MassDOT, 10 Park Plaza, Boston, MA 02116, Attention: Project Management, PROJECT FILE NO. 605959



Paint Chips

Lead Paint

- Was the industry standard for all steel structures in the United States – bridges, radio towers, etc. – to be painted with lead-based paint for decades
- This is not unique to the Tobin Bridge – it is estimated that 30% of all steel structures in the United States and Massachusetts still have lead-based paint
- Lead paint was suspended in the US for residential use in 1978 but was allowed for commercial and industrial applications.
- Lead-Based paint for most steel structures, including bridges, was largely suspended in the United States and Massachusetts in 1992.



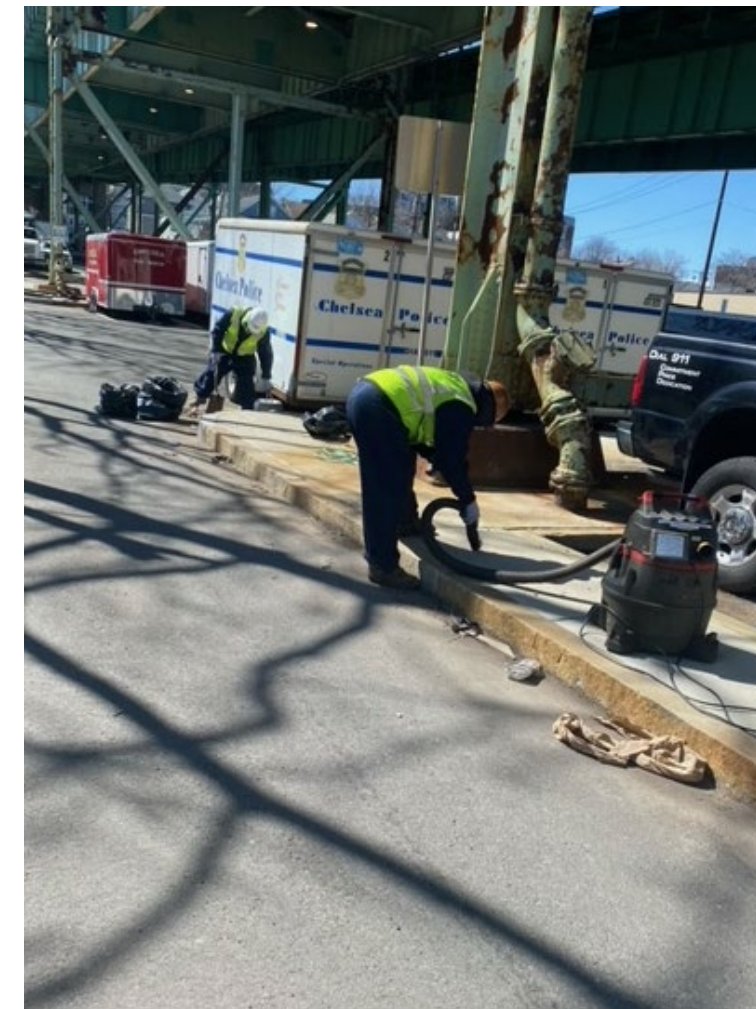
Lead Paint

- The Tobin bridge is over 75 years old and has been painted over a number of times and that old paint has become brittle.
- Massachusetts winters over the last several years, specifically, this last freeze thaw cycle over this past year, has caused more delamination's than typical winters causing paint to flake off and fall to the ground.
- All New England states have experienced similar issues with lead paint this winter.



Current Clean Up and Interim Measures

- MassDOT has been working in the area for the past several weeks and vacuuming up paint chips that have fallen from the bridge. The paint chips are then being disposed of offsite in accordance with environmental regulations.
- MassDOT is continuing to coordinate with city officials and provide them weekly updates on progress of removal.
- Regular weekly inspections and removal is ongoing and will continue until the larger bridge painting project.
- An interim netting system will also be installed in parallel with ongoing cleanup activities.
- The installation of the interim netting system expected to begin in the beginning of July and MassDOT will coordinate with the City of Chelsea on any local impacts.
- Community hotline established (English & Spanish) for questions/concerns: **857-492-0221**



Interim Netting System





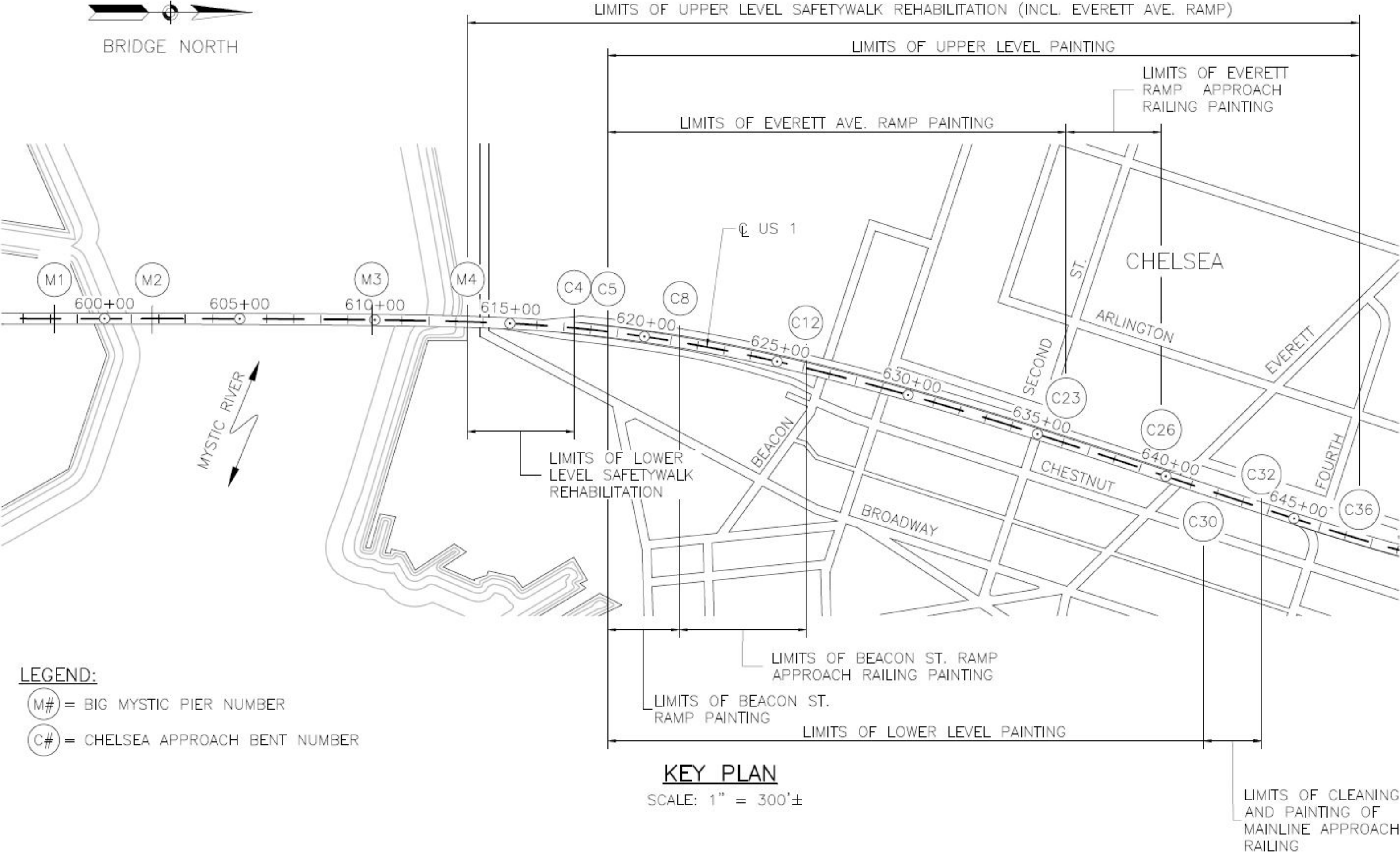
Project Background

Project Location

- An approximately ½ mile section of the Tobin Bridge encompassing the Chelsea approach and ramps
- Lower level mainline (northbound), Beacon Street Ramp
- Upper level mainline (southbound), Everett Ave Ramp



Project Location

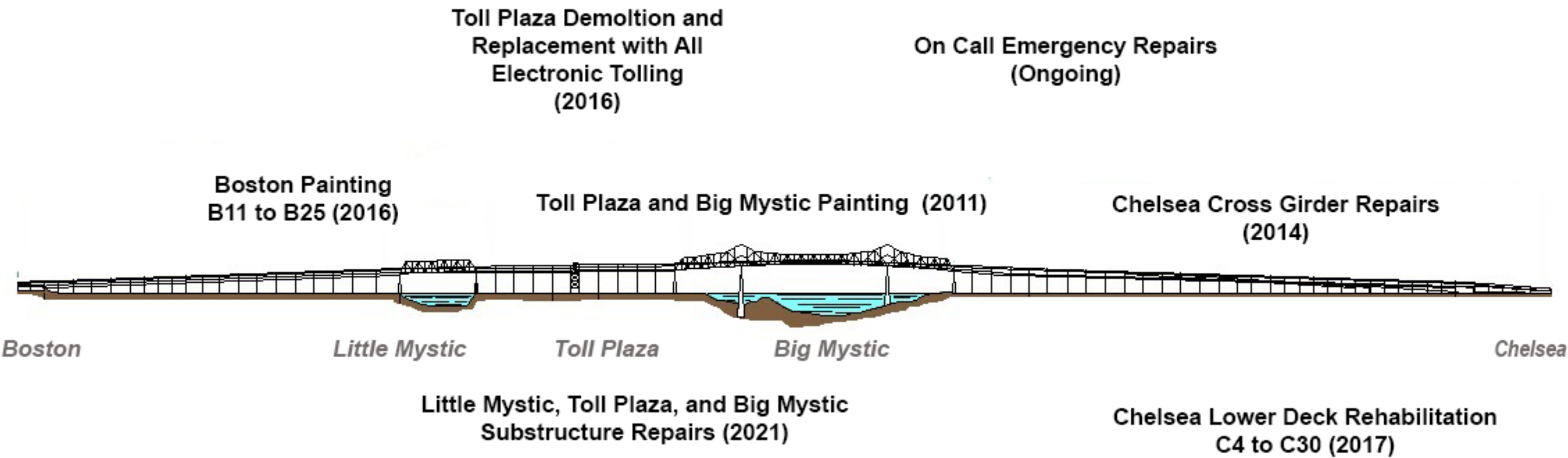


Funding

- Project office estimate is \$125 million
- Funding source is 100% MHS Tobin Bridge Toll Funds
- Project was advertised for bids on June 24, 2023
- Bids are due in August and Notice to Proceed is expected to be issued in October 2023

Previous Projects

**MassDOT took over ownership and responsibility of the Tobin Bridge from Massport in 2009*





**Why was this
project
initiated?**

Existing Conditions

- The Tobin Bridge was opened to traffic in 1950
- While currently safe for travel, the structure is aging and carries significant traffic volumes
- Failing paint chips are leading to steel deterioration



Existing Conditions

- The Chelsea approach southbound was last painted in 1996
- The Chelsea approach northbound was last painted in 1999
- The substructure had its last major rehabilitation in 1997





**What do we
want to
accomplish?**

Project Purpose

- Preserve the existing Chelsea approach of the Tobin Bridge to maintain the structure in a State of Good Repair
- Address typical maintenance activities
- Target elements that are most in need of repair





**What is the
construction
approach?**

Early Action Items

- Contract requires temporary protective shielding/work platforms and containment as early as possible once project starts
- Disincentive clause in the contract encouraging the contractor to submit plans and install temporary protective shielding/work platforms within 120 days of Notice to Proceed
- Paint chip cleanup work will be transferred to the new contract within 7 days of Notice to Proceed

Construction Operations

- Clean existing steel and remove old paint on lower level mainline (northbound), Beacon Street Ramp, upper level mainline (southbound) and Everett Ave Ramp
- Perform repairs to existing steel superstructure elements, and safety walk elements at lower level mainline, Beacon Street Ramp, upper level mainline and Everett Ave Ramp
- Upon completion of steel repairs, paint the existing steel
- Perform repairs to substructure elements



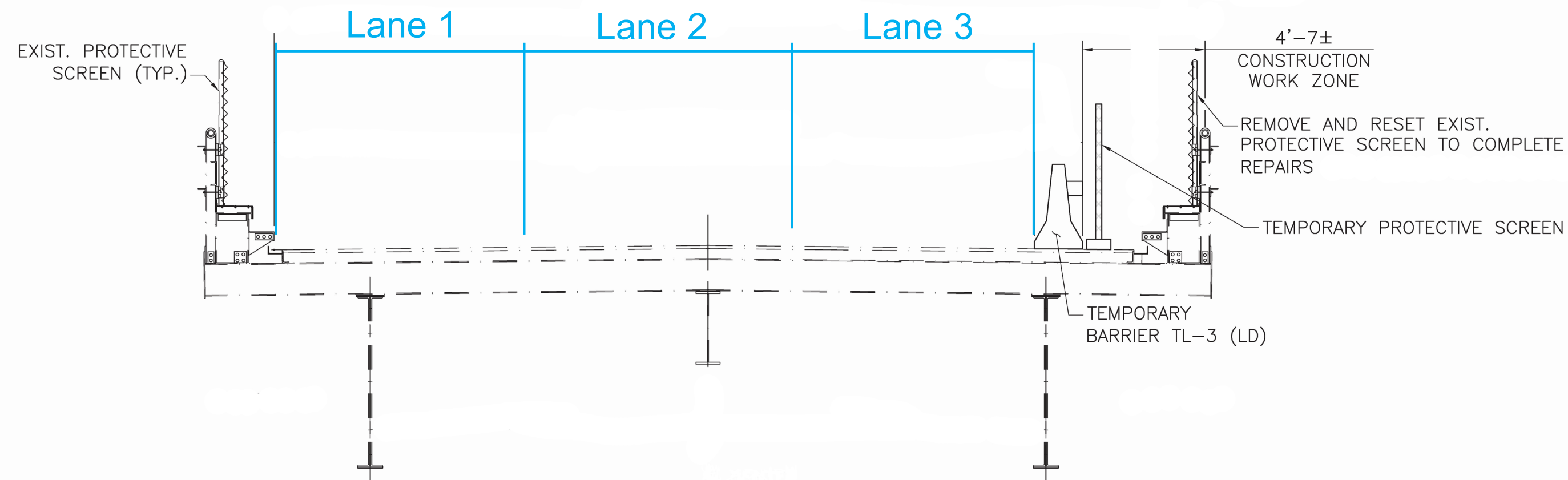
**How will the
road user be
affected?**

Roadway Impacts

- Construction operations will be conducted in ways that minimize impacts to the traveling public
- No permanent lane closures on the bridge during construction
- No impacts to adjacent roadways
- Coordination will take place with nearby construction projects and impacts

Traffic Management

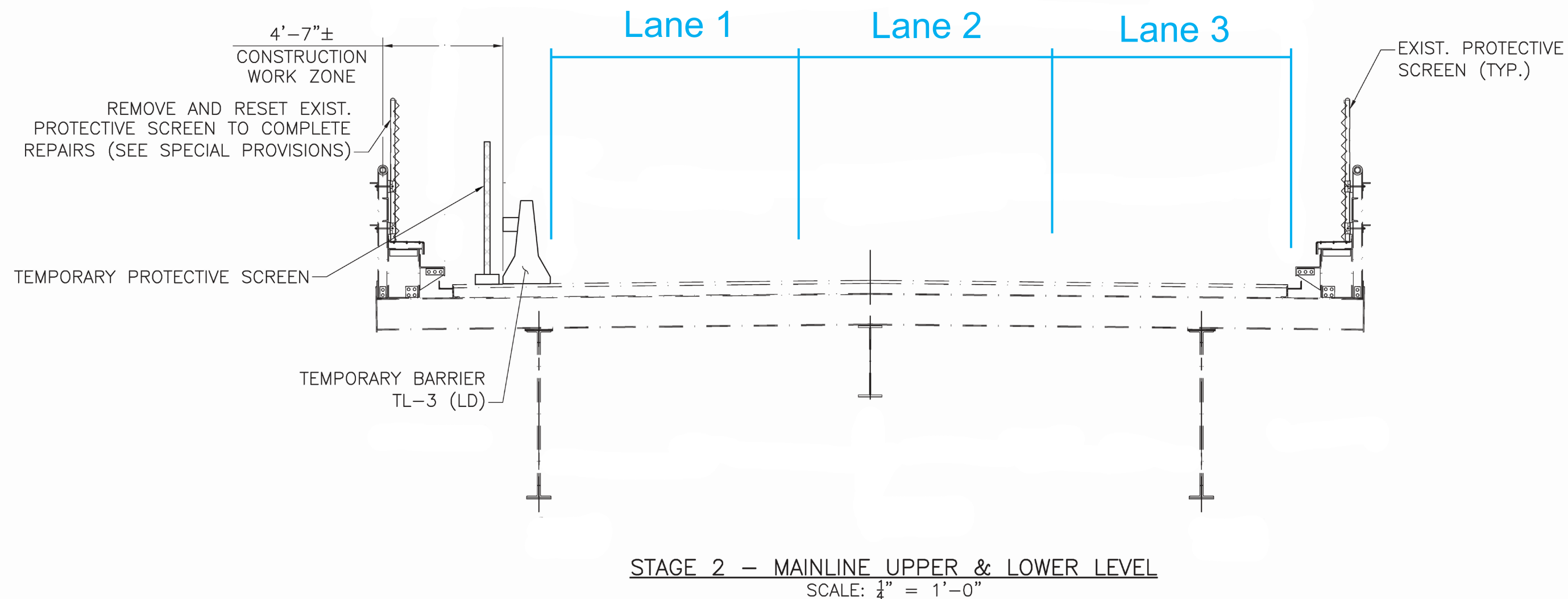
- Starting Spring 2024: Phase 1
 - No permanent lane closures
 - Minimal work will be performed during off-peak periods
 - Will be communicated in advance to the public



STAGE 1 - MAINLINE UPPER & LOWER LEVEL
SCALE: $\frac{1}{4}$ " = 1'-0"

Traffic Management

- Starting Spring 2026: Phase 2
 - No permanent lane closures
 - Some work will be performed during off-peak periods
 - Will be communicated in advance to the public





**What are the
environmental,
cultural
resource, and
community
impacts?**

Air Quality Monitoring

- Air quality monitoring shall be conducted in strict accordance with the requirements of 40 CFR 50, 310 CMR 7.00
- Baseline measurements will be performed prior to paint removal operations
- Monitoring shall be in accordance with 40 CFR 50 and the guidance of SSPC TU-7 and conducted for each project location during paint removal, containment movement, and cleanup activities

Minimize Impacts

- Project includes noise and dust mitigation measures
- Noise: Contract requires construction-related noise to be controlled throughout the duration of work
- Dust: Contract requires construction-related dust emissions to be controlled throughout the duration of work
- No Right-Of-Way impacts as work is contained within MassDOT easements, but project will coordinate with abutters under the bridge

Noise Mitigation

An item is included in the contract to minimize construction noise:

- *The Contractor and all subcontractors, suppliers, and vendors, are required to comply with all applicable noise regulations, specification requirements, and the noise level limits specified.*
- *The Contractor shall use equipment with sufficient noise-suppression devices and employ other noise abatement measures for the protection of the public.*
- *The Contractor shall schedule and conduct operations in a manner that will minimize the disturbance to the public in areas adjacent to the work and to occupants of buildings in the vicinity of the work.*
- *The Contractor shall develop and submit for approval, a noise control plan for each phase of construction that outlines in detail, the measures to be implemented to comply with this specification.*

Dust Mitigation

An item is included in the contract to minimize dust:

- *The Contractor is responsible for controlling construction related dust emissions, at all times, during work of this Contract, 24 hours per day, 7 days per week, including nonworking hours, weekends, and holidays.*
- *The Contractor shall use dust suppression in the form of light water sprays, foams, dust suppressants and calcium chloride must be implemented to control dusting.*
- *The Contractor shall develop and submit for approval a dust control plan that outlines in detail the measures to be implemented. The plan shall include details as to how dust emissions will be controlled and/or minimized.*

Timeline



June 2023
Project advertised for
construction bids



Spring 2024
Public meeting
Stage 1 construction
begins



Spring 2026
Stage 2 construction
begins



Winter 2027
Work substantially
complete



Spring 2028
Final completion and
project close out



**How will we
keep you
informed?**

Construction Public Outreach

- Comprehensive public outreach will take place throughout the project
- Project website will be established
- Regular construction updates
- Continued public meetings including a meeting prior to the commencement of construction activities



How to reach us

- Visit the meeting website to view this recording at a later date: <https://www.mass.gov/event/chelsea-structural-cleaning-painting-steel-concrete-repairs-on-tobin-bridge-2023-06-28t183000-0400-2023-06-28t200000-0400>
- Submit email comments to:
MassDOTMajorProjects@dot.state.ma.us
- For project information visit the MassDOT Upcoming Events for Highway Division web site at <http://www.mass.gov/orgs/highway-division/events> or use the QR Code:
- Submit written comments to:
Carrie Lavalley, P.E., Chief Engineer
MassDOT
10 Park Plaza
Boston, MA 02116
Attention: Major Projects, PROJECT FILE NO. 605959





Questions and answers



Thank You

*Chelsea – Structural Cleaning and
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Repairs on the Tobin Bridge*

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