

**Massachusetts Bay
Transportation Authority**

North Station Improvements and Draw One Bridge Replacement

Virtual Public Meeting

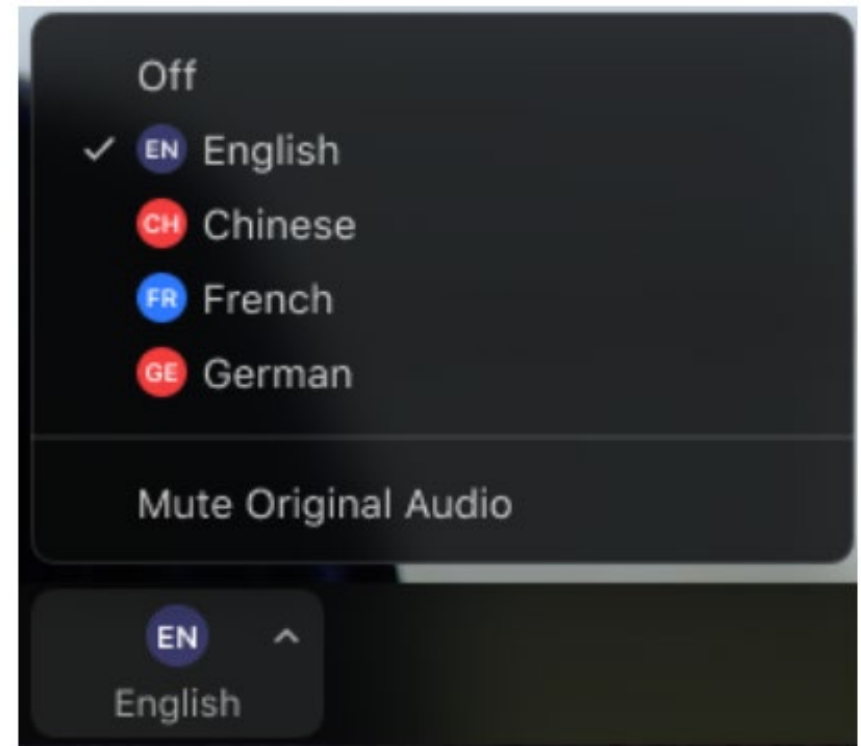
June 6, 2024

Karl Eckstrom, PE, Senior Project Manager

MBTA Senior Director, Capital Delivery Bridge/Structures Program

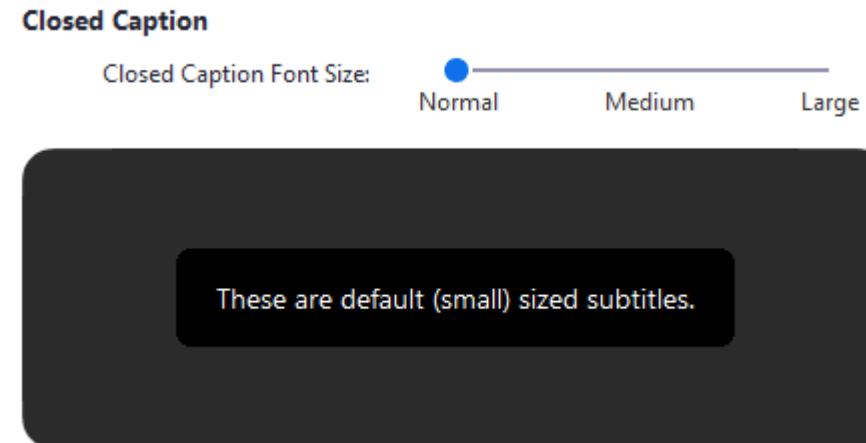
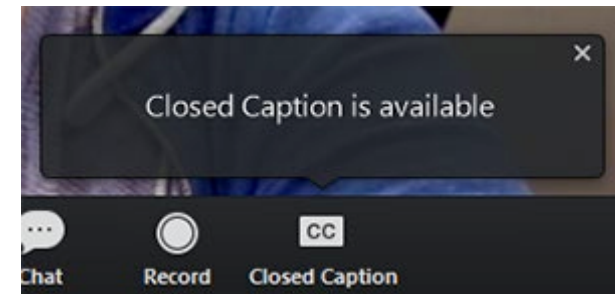
Language Accessibility

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Closed Captions

- Click **Closed Caption** to start viewing closed captioning
 - **Tip:** Click and drag the closed captioning to move its position in the meeting window.
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 - Move the slider to adjust the caption size



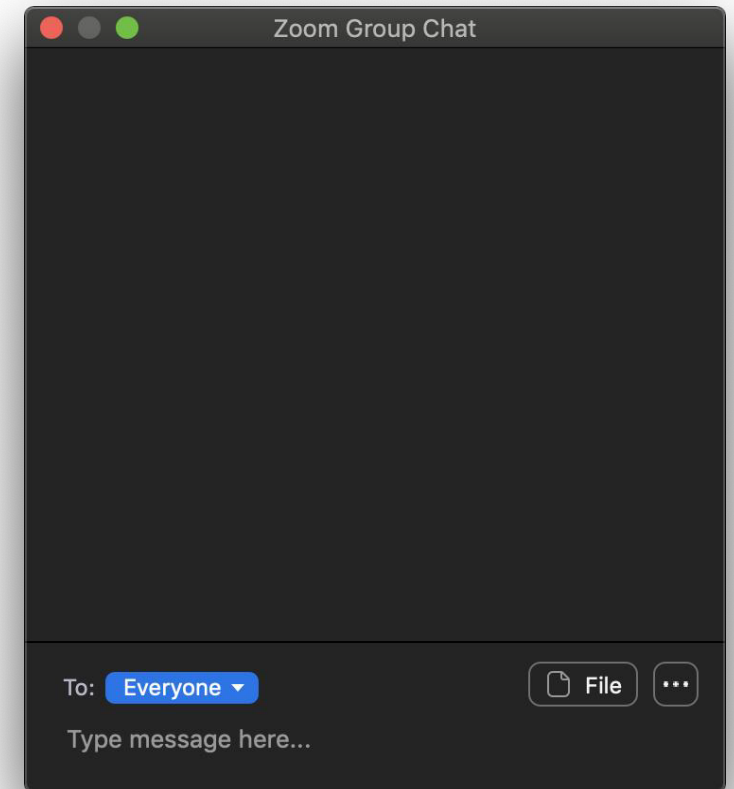
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Use Chat for Technical Questions

- If you have a technical question about Zoom or the features of the meeting, please use the chat function. Our technical assistant will attempt to troubleshoot your problem and get back to you.



Raising Your Hand

Please use Zoom's "Raise Hand" feature to indicate if you have a comment

- All participants are muted upon entry so that only the presenters can be heard. Please raise your hand and the meeting host will ask you to unmute so that you can state your question/comment.

Q&A after the Presentation

- Please share only one question or comment at a time
- Use the **chat function** to ask your question. The moderator will either answer in the chat or during the Question & Answer period at the end of the presentation



To speak,
click "**Participants**"
then "**Raise hand**"



Send a chat
to the moderator



***9**
Raise Hand



Agenda

- A. Program Overview
- B. Existing Conditions
- C. Proposed Improvements
- D. What We've Been Doing
- E. Next Steps
- F. Program Contact
- G. Questions & Comments



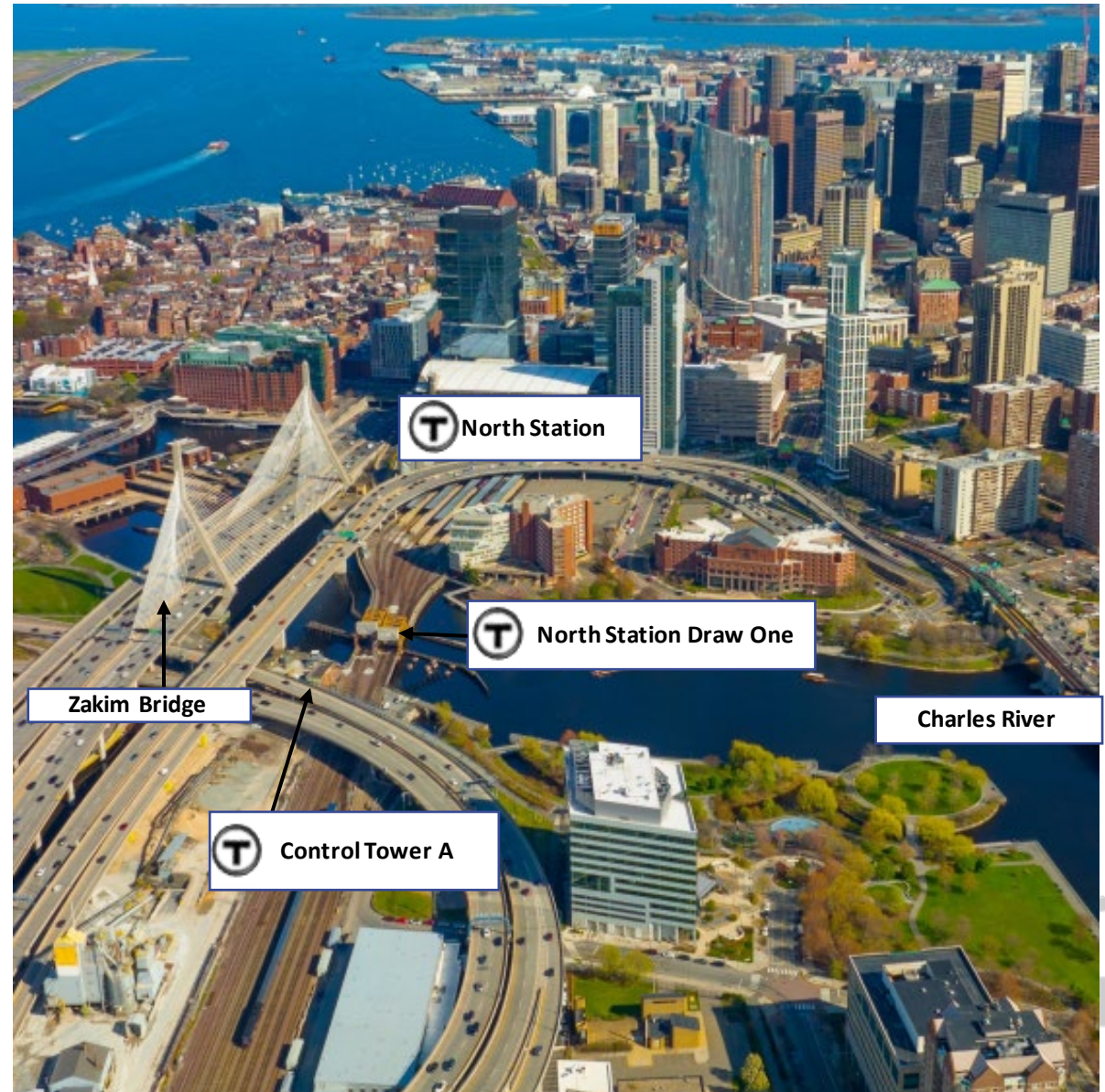
Draw One Improvements Program Overview

Overview:

- Replacement of the North Station Draw One Bridge, Control Tower A, and associated track and signal upgrades
- Total program value: \$1.2 billion

Objectives

- Replace North Station Draw One Bridge, phased construction approach to replace two existing bascule bridges, four tracks with three, vertical lift span bridges, and a total of six tracks
- Replace Control Tower A
- *Track and signal upgrades*
- *Extend Platform F and connect Tracks 11 & 12 to North Station*
- *Improve safety, reliability, and customer experience*



Existing Conditions: Draw One



Draw One Bridges



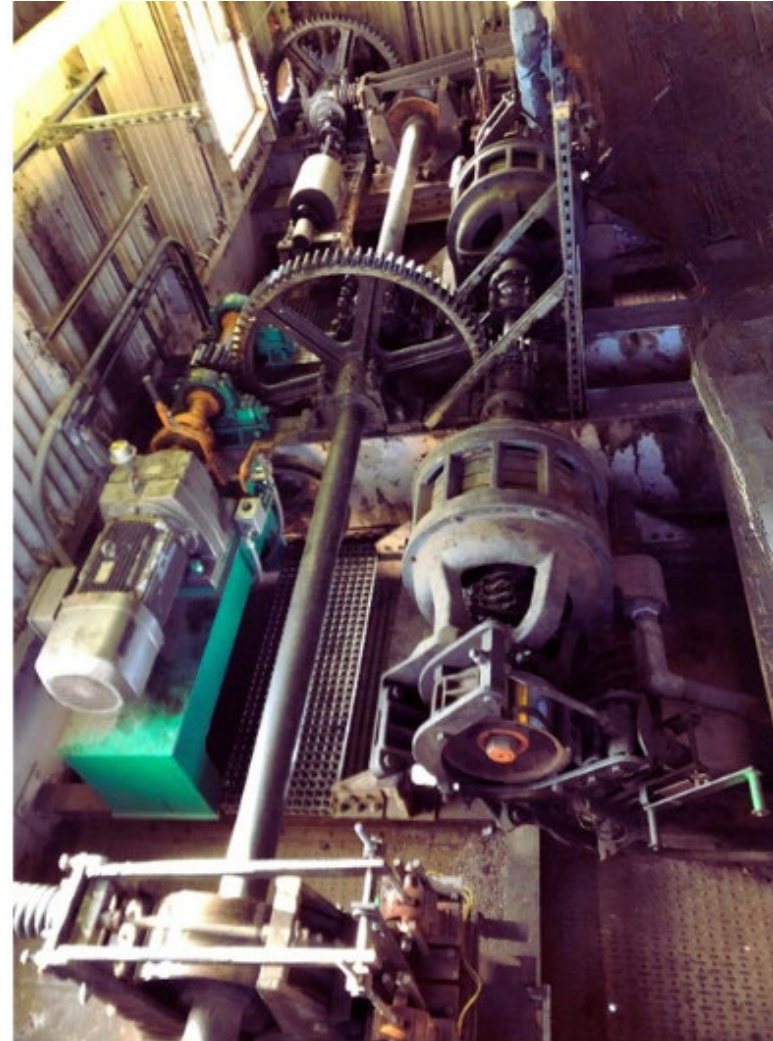
Picture of Bridge Caisson deterioration



Existing Conditions: Deterioration



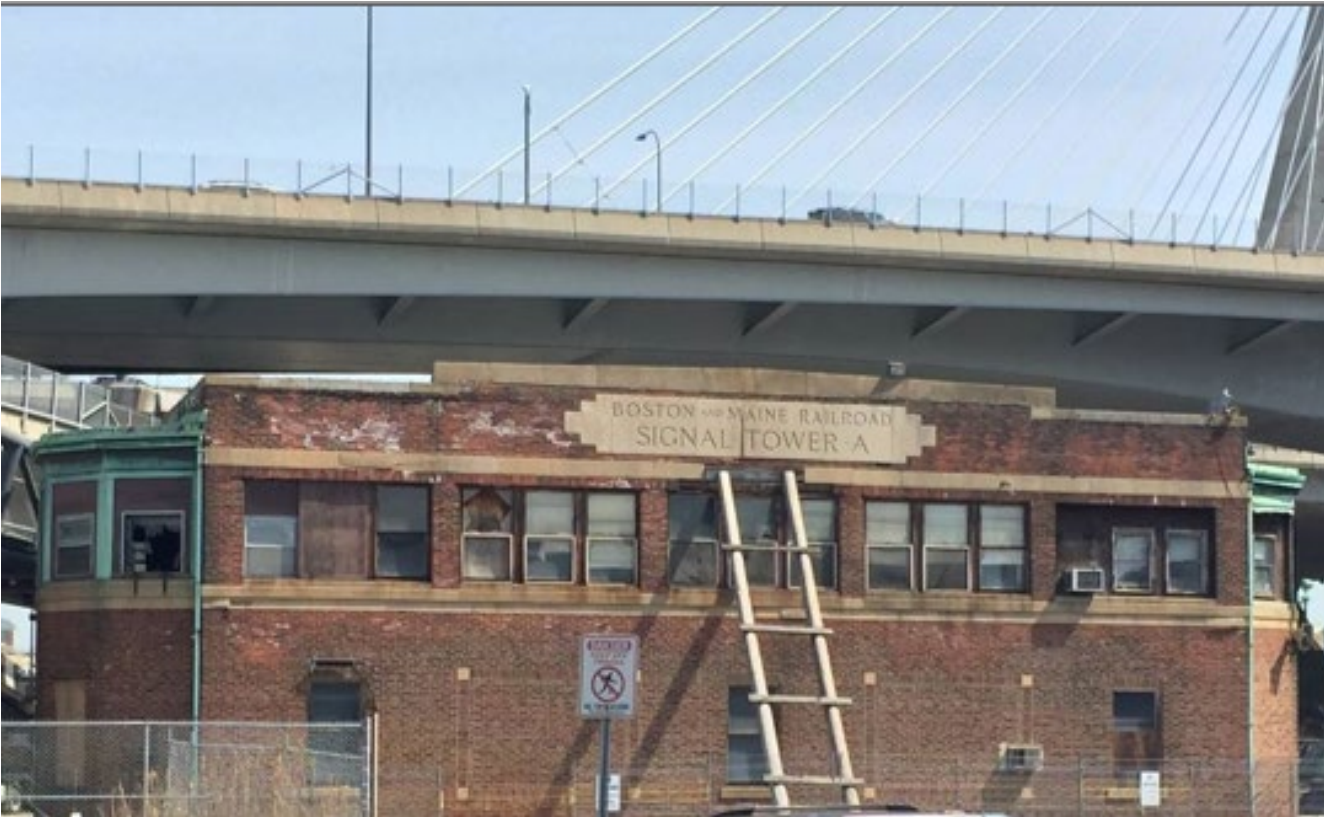
Existing Draw One framing system with deterioration and previous repairs.



Functionally obsolete drive system in the existing machinery room.



Existing Conditions: Control Tower A



Historic Control Tower A building



Current Control Tower A structure



Proposed Improvements: Draw One



Proposed Improvements: Draw One



Proposed Improvements: Control Tower A



Proposed Improvements: Temporary Construction Structures

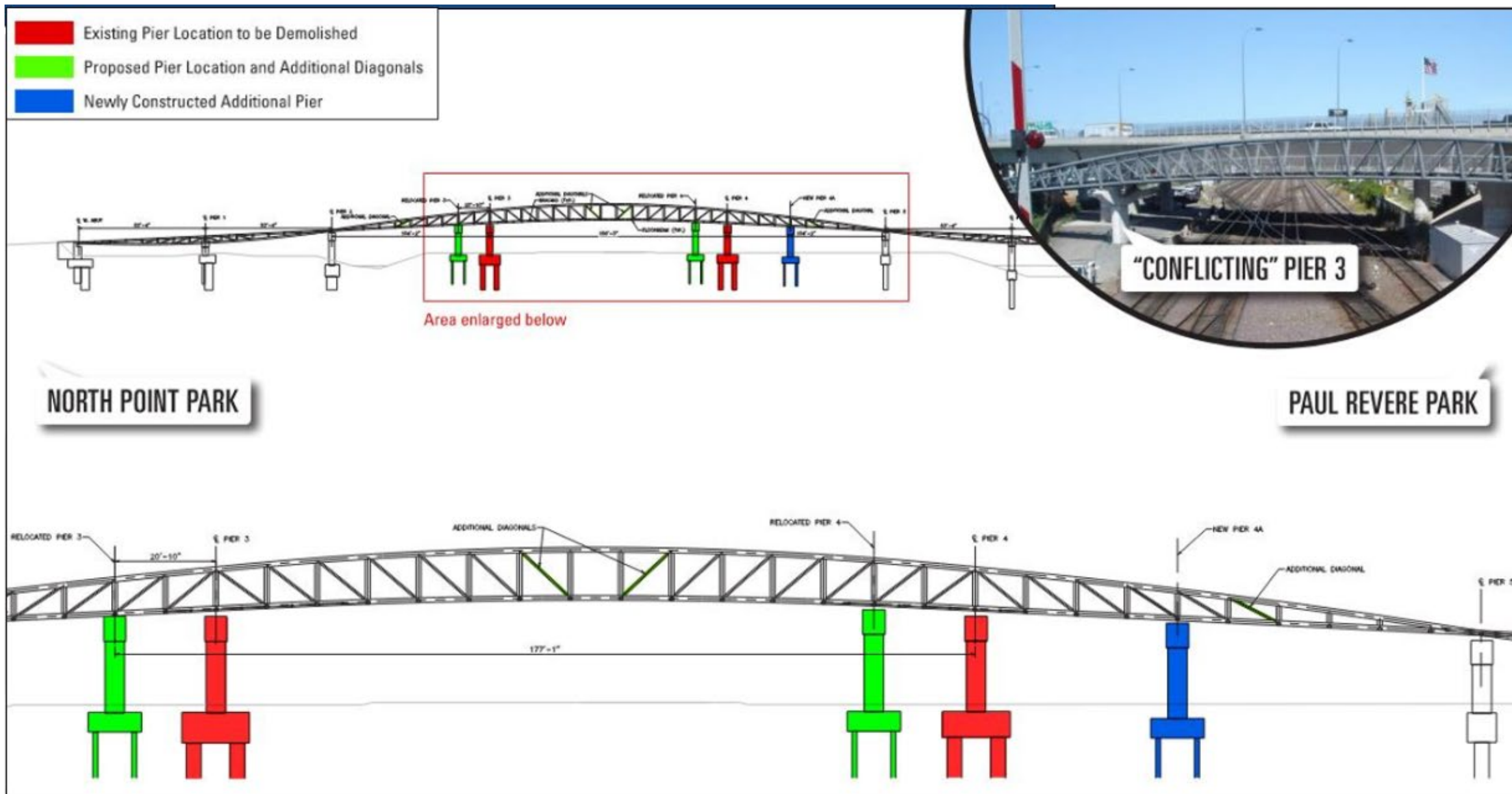
1. Dock and ramp structure to be removed during construction and replaced after construction is complete
2. Existing western fender system
3. Existing Tower A
4. Temporary Control Tower
5. Temporary work trestle



Proposed Improvements: Temporary Construction Structures



Proposed Improvements: North Bank Bridge



What We've Been Doing

- Federal and State Coordination
- NEPA Environmental Assessment
- Section 106 Consultation
- Tribal Consultation
- Section 4(f) of the USDOT Act
- National Flood Insurance Program & Executive Order 11988 Compliance



Federal Transit Administration



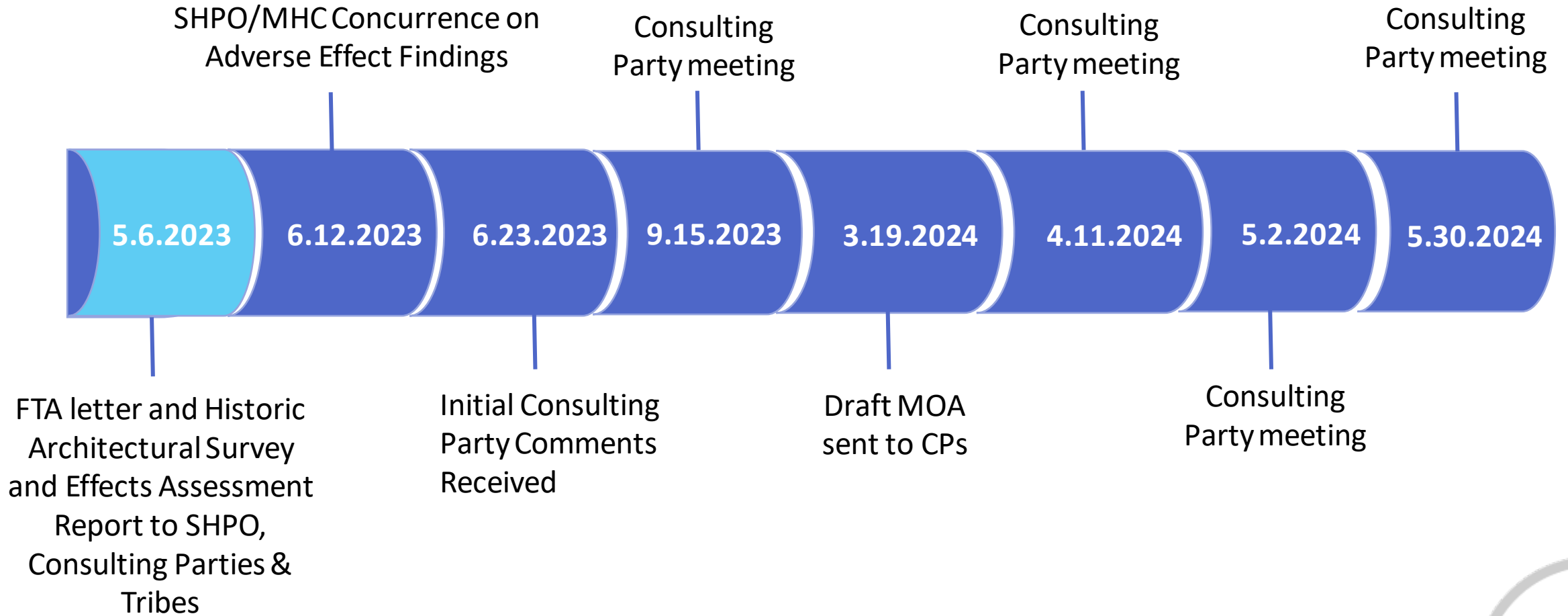
Section 106: Historic Draw One



- Section 106 review process in an integral component of the National Historic Preservation Act (NHPA) of 1966
- Identify and assess the effects actions may have on historic buildings
 - Bridges and the Tower A
- Resolve adverse effects by developing and evaluating alternatives that could avoid, minimize, or mitigate impacts on historic resources.



Section 106 Timeline



Next Steps

- Continue Program Design
- Identify Construction Funding
- Community Engagement



Program Contact

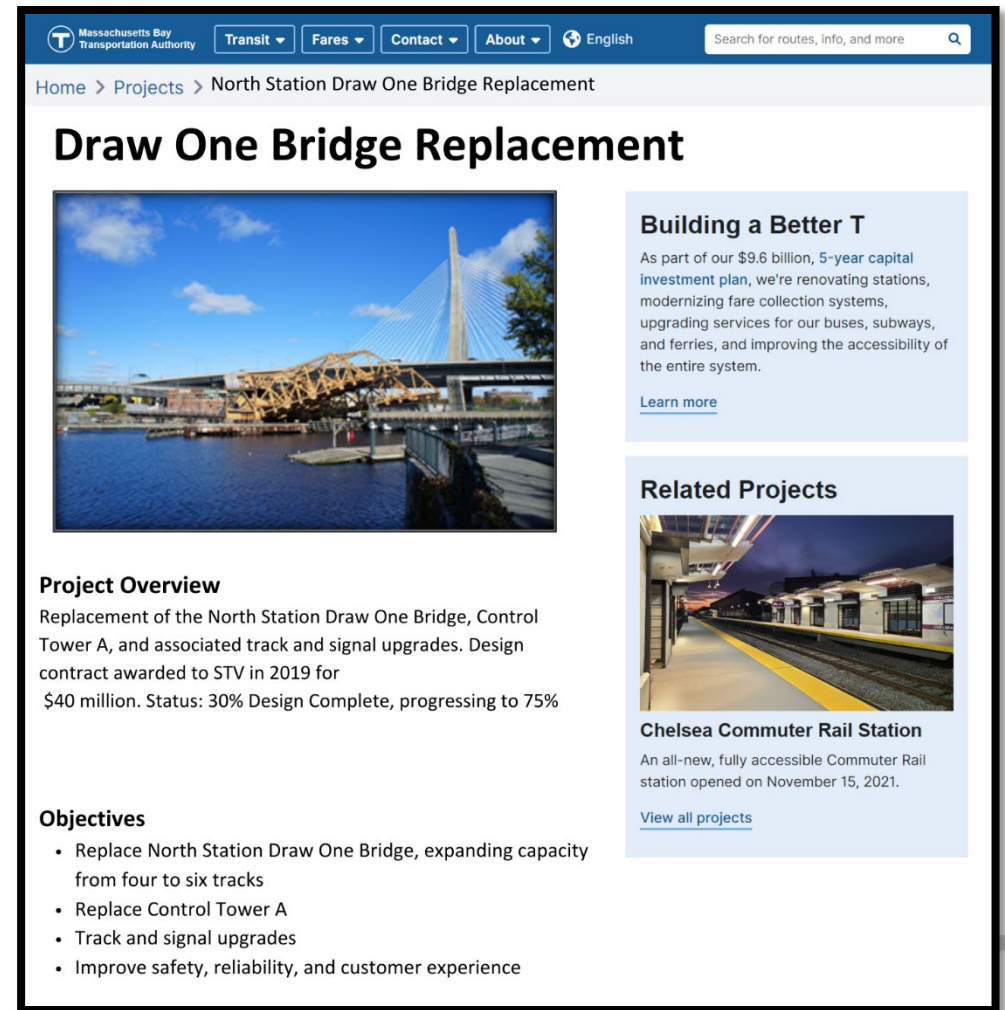
Visit the Program Website

www.mbta.com/DrawOne

Public and Stakeholders can sign up for email updates from the program on website.

Program Email

DrawOne@mbta.com




The screenshot shows the MBTA website page for the "Draw One Bridge Replacement" project. The page features a navigation bar with the MBTA logo, menu items for "Transit", "Fares", "Contact", and "About", and a search bar. The main heading is "Draw One Bridge Replacement". Below the heading is a large image of the bridge under construction. To the right of the image is a section titled "Building a Better T" with a "Learn more" link. Below the image is a "Project Overview" section with text describing the project and its status. To the right of the overview is a "Related Projects" section featuring an image of the Chelsea Commuter Rail Station and a "View all projects" link. At the bottom left of the page is an "Objectives" section with a bulleted list of project goals.

Massachusetts Bay Transportation Authority | Transit | Fares | Contact | About | English | Search for routes, info, and more


Home > Projects > North Station Draw One Bridge Replacement

Draw One Bridge Replacement



Building a Better T
As part of our \$9.6 billion, 5-year capital investment plan, we're renovating stations, modernizing fare collection systems, upgrading services for our buses, subways, and ferries, and improving the accessibility of the entire system.
[Learn more](#)

Related Projects



Chelsea Commuter Rail Station
An all-new, fully accessible Commuter Rail station opened on November 15, 2021.
[View all projects](#)

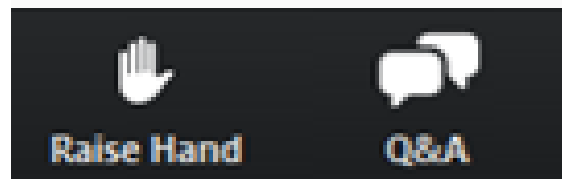
Project Overview
Replacement of the North Station Draw One Bridge, Control Tower A, and associated track and signal upgrades. Design contract awarded to STV in 2019 for \$40 million. Status: 30% Design Complete, progressing to 75%

Objectives

- Replace North Station Draw One Bridge, expanding capacity from four to six tracks
- Replace Control Tower A
- Track and signal upgrades
- Improve safety, reliability, and customer experience

Questions & Answers

- Please share only one question or comment at a time.
- To ask a question via phone, dial *9 and the moderator will call out the last 4 digits of your phone number and unmute your audio when it is your turn.
- Use the “Q&A” button to submit a typed question or comment.
- Press the “Raise Hand” button to share your question or comment verbally.
 - After you raise your hand, wait for the moderator to recognize and unmute you before speaking.
 - After you share your question or comment, we will lower your hand and you will be muted to allow the team to respond and provide opportunities for others to participate.



You may also submit your questions or comments regarding tonight’s presentation or the Section 106 consultation to the program email address drawone@mbta.com or visit www.mbta.com/drawone for more information.

