



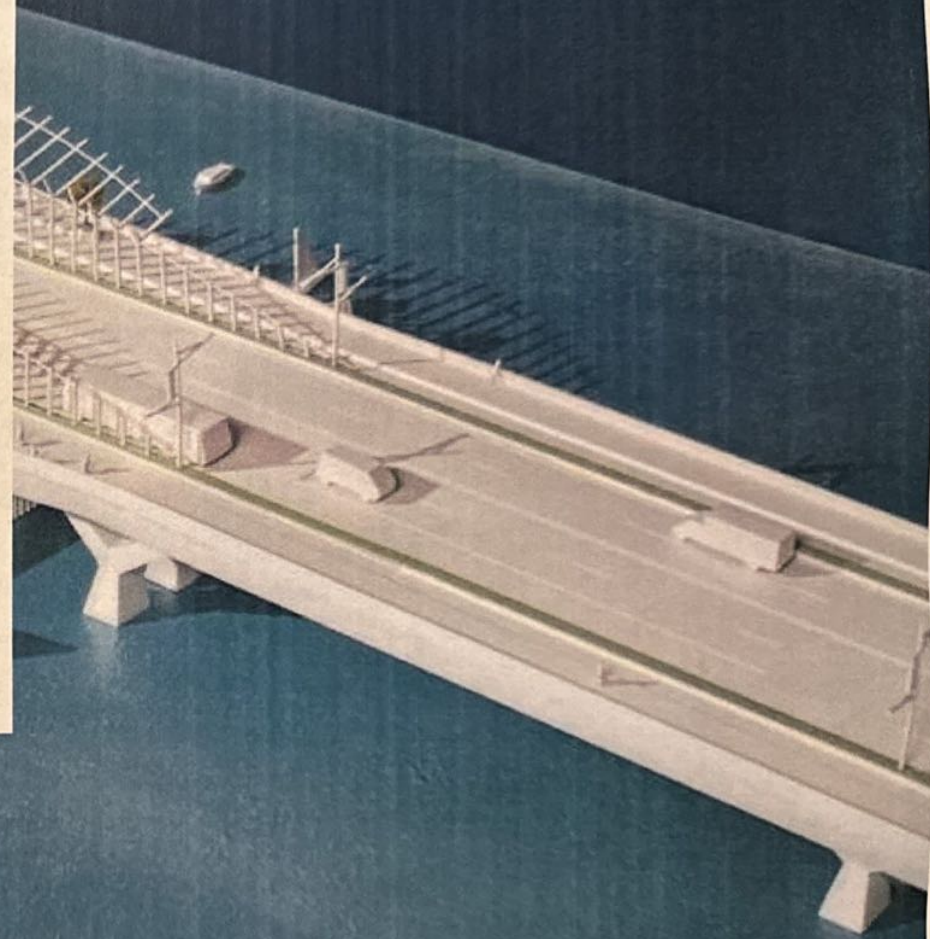
CITY of BOSTON

# North Washington Street Bridge Replacement Project

*North End Waterfront  
Residents Association*

October 13, 2022

Project File No. 604173



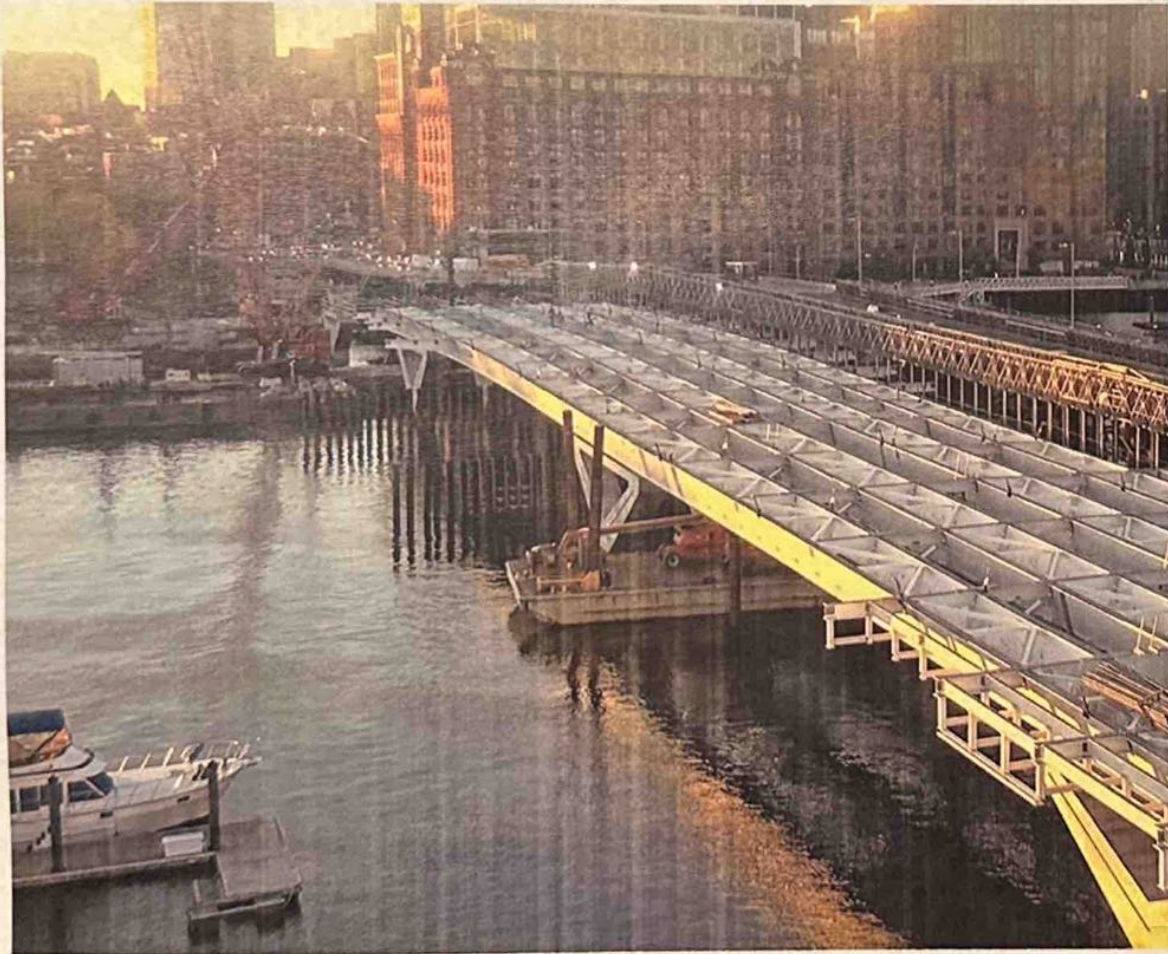
## Agenda

- 01 Welcome & Introduction
- 02 Project Status
- 03 Updated Timeline
- 04 Traffic Management
- 05 Discussion





# Project Status



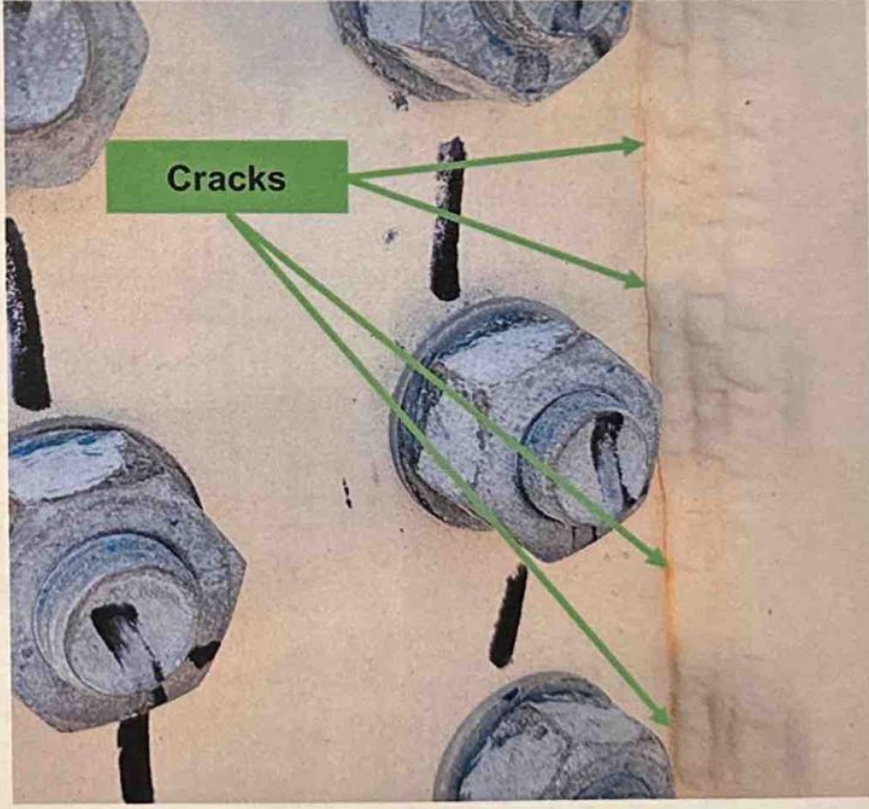
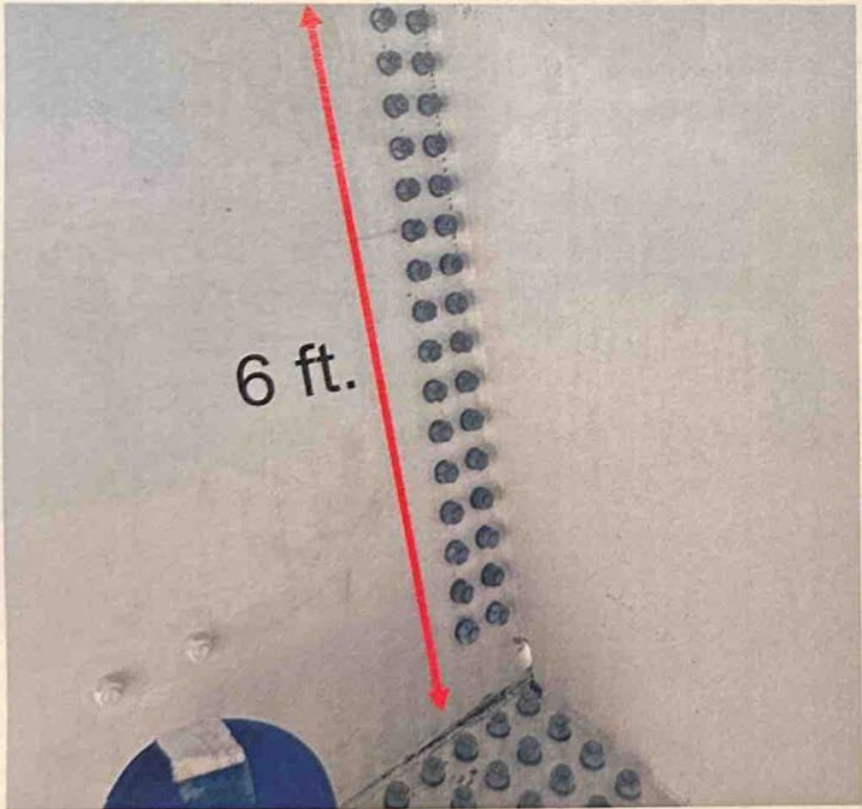
## What We Have Done

- Piers for new bridge complete
- First elements of new bridge being built at City Square
- 60% of steel erected
- Structural work paused after MassDOT inspectors discovered 52 cracked welds at several connection points

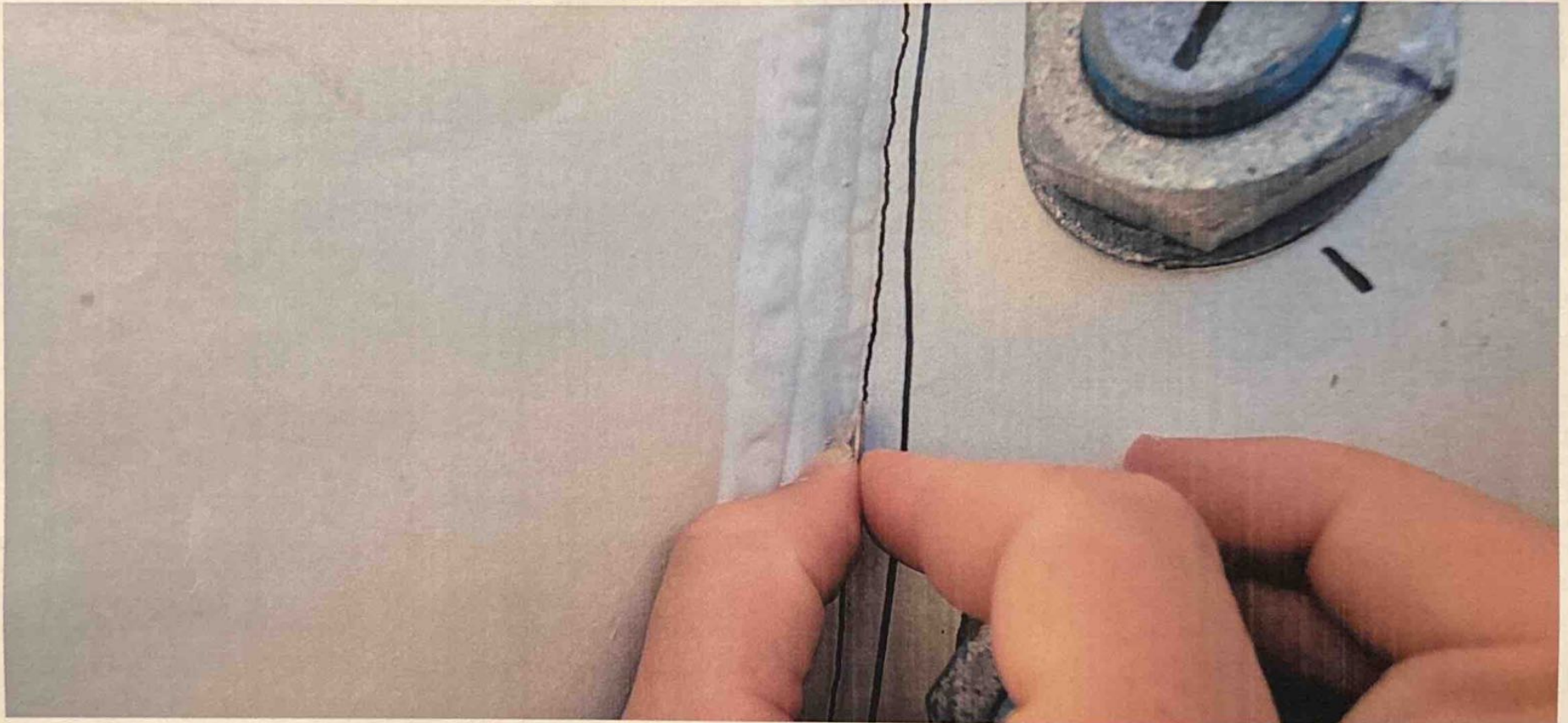
# What Have We Done This Past Year?



## What Caused The Pause?

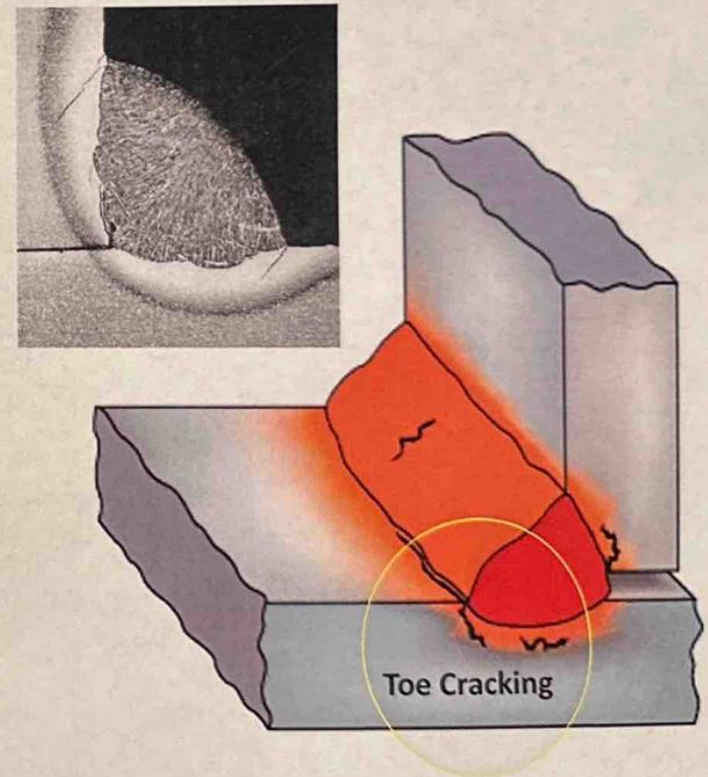


## Example Crack



## Why Are These Small Cracks So Serious and Caused Such A Long Delay?

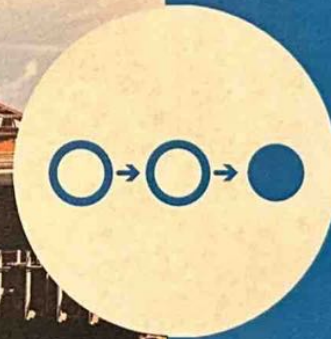
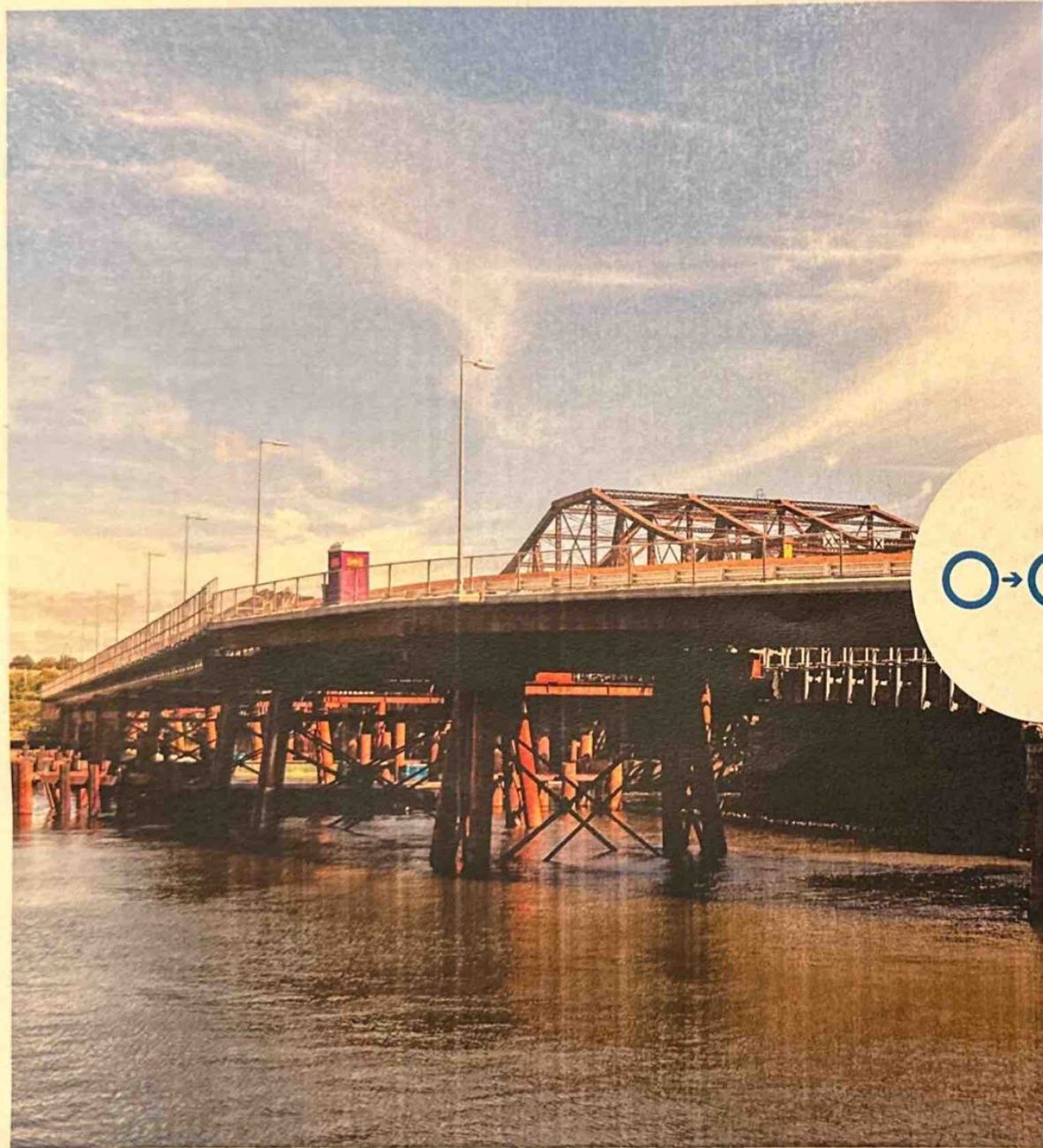
- Known as Toe Cracking
- Small hairline cracks that expand over time
- Found in the field and at the fabricator
- Generally, appears a few days after fabrication and grows over time
- If not addressed steel would have greatly reduced strength capacity and structural integrity





## Corrective Action Plan

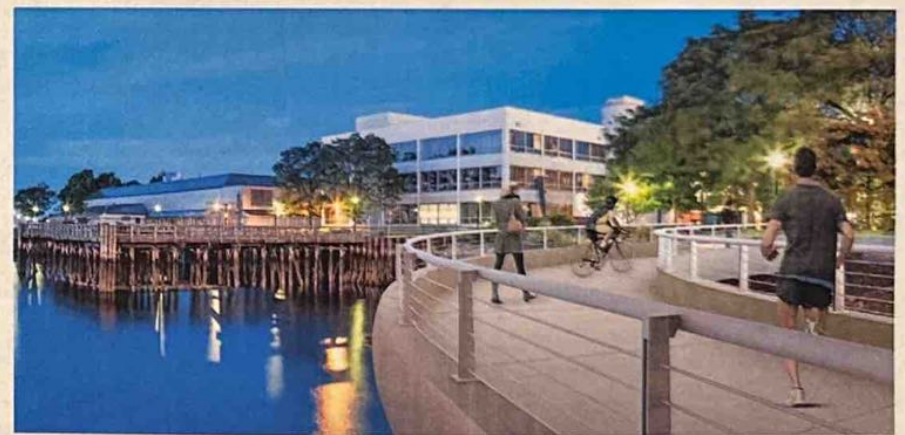
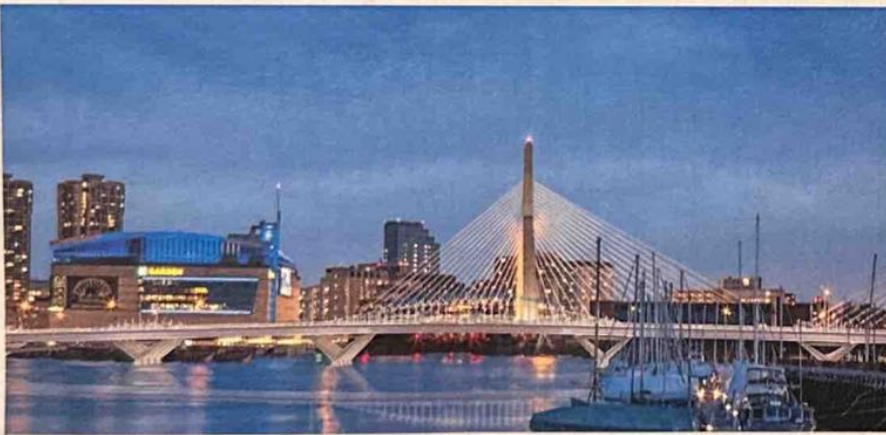
- MassDOT's investigation identified and mapped out 192 locations of welded connection points that are cracked or at risk of cracking
- The corrective action plan involves mapping/testing the cracks, removing paint from the cracks, repairing cracks if needed, heat treating, and repainting each of the 192 identified locations
- For the 52 identified connection points with cracks, these connection points are being rewelded in addition to above corrective actions



# Updated Project Timeline

## Current Estimated Project Milestones

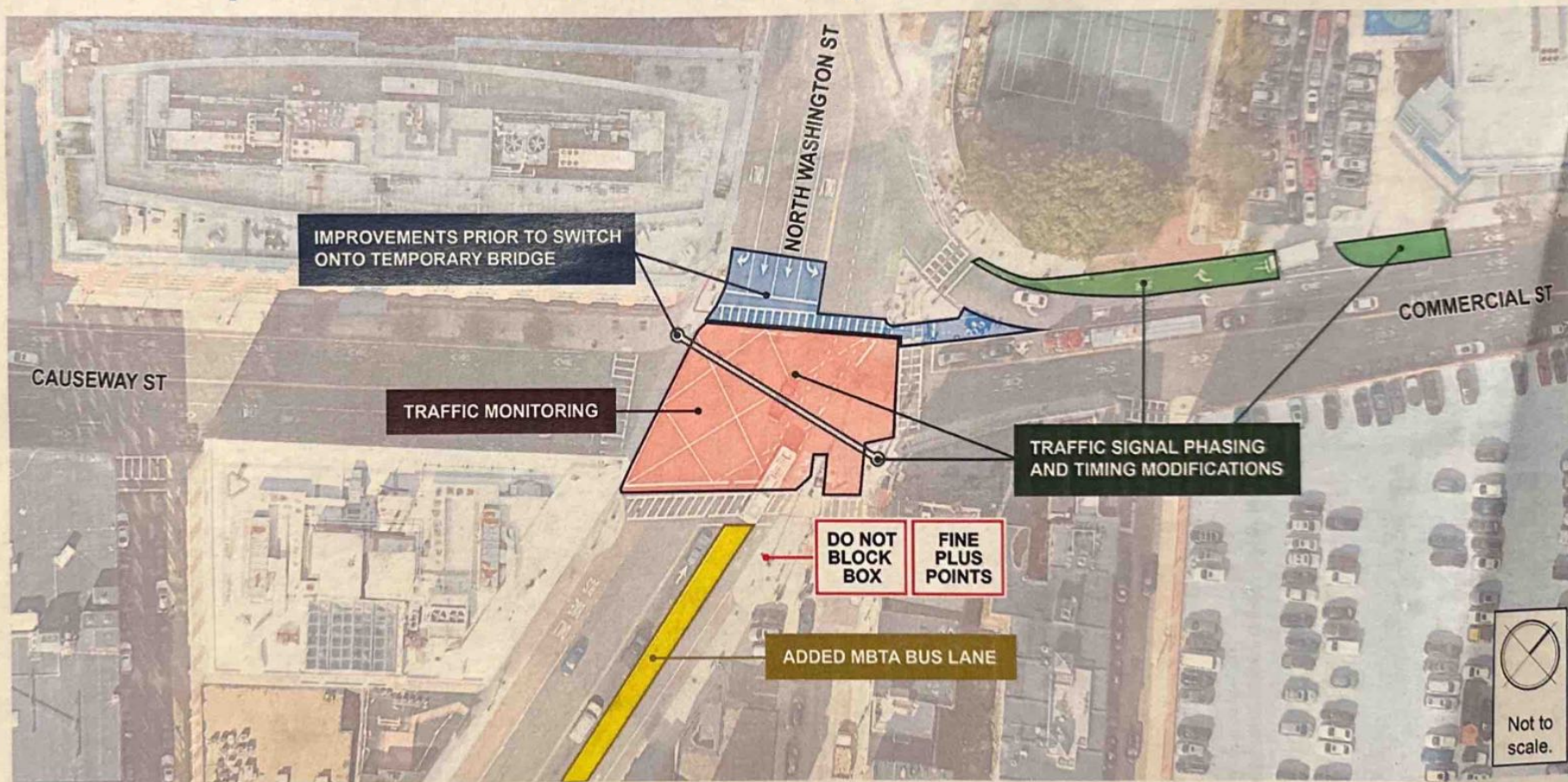
- Traffic switch to new bridge: December 2023
- Fully open to all users: December 2024
- Contract Complete: March 2025



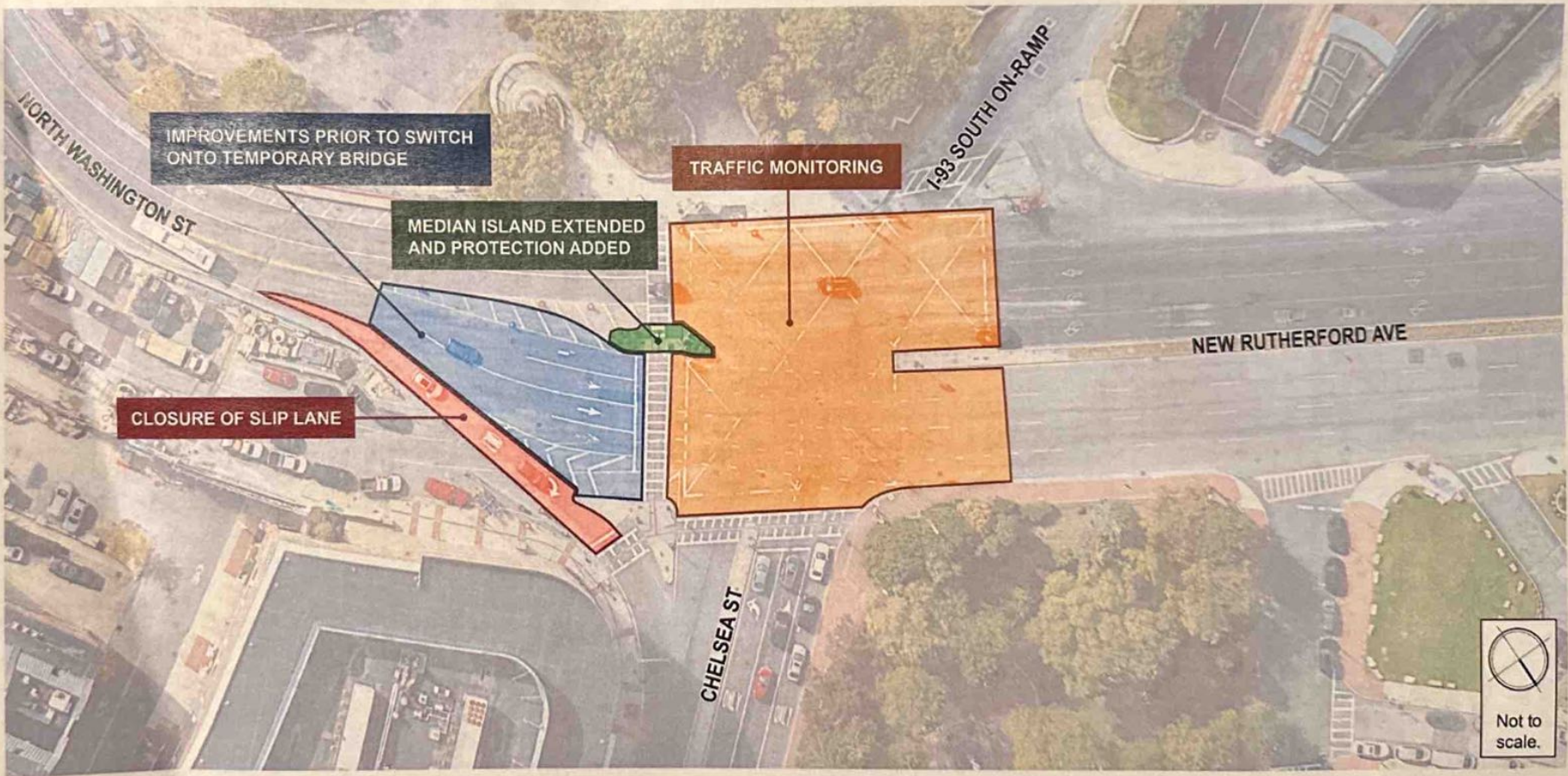


# Traffic Management

# Traffic Improvements and Monitoring at Keany Square



## Traffic Improvements and Monitoring at City Square



## Estimated Project Schedule



**December 2022**  
Estimated completion  
of corrective action  
repairs



**January 2023**  
Deck formwork  
resumes



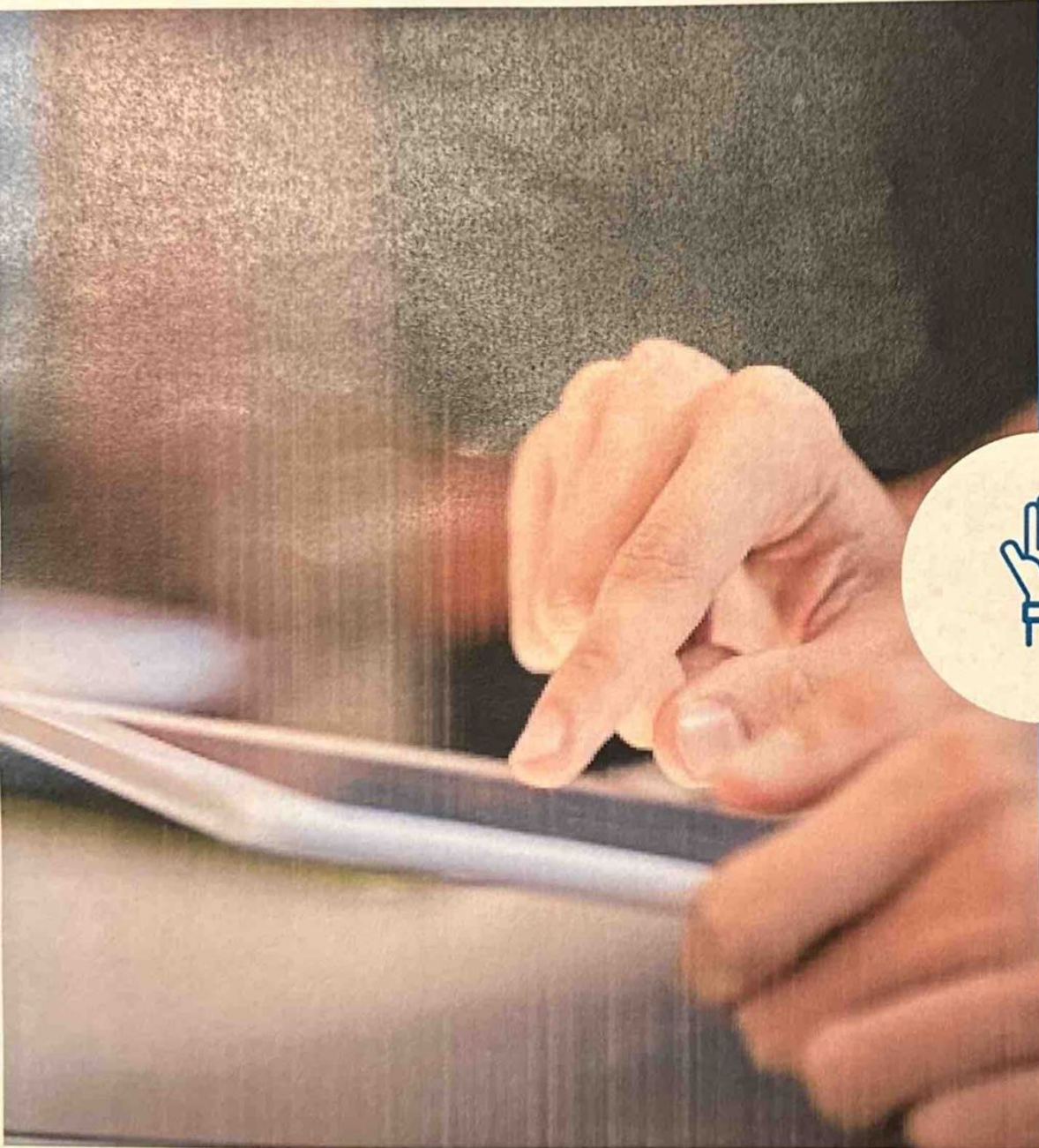
**March 2023**  
Steel installation work  
resumes



**April 2023**  
Work installing  
concrete deck and  
sidewalk begins



**December 2023**  
3 lanes of traffic  
shifted to new bridge  
Demolition of  
temporary will  
commence

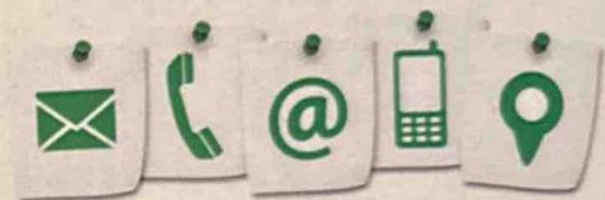


**How will  
we keep  
Public  
informed?**



## How to Connect with the North Washington St. Project

To receive project updates, attend public information meetings, and get more information on the project, contact the team:



- Project email:  
[NorthWashingtonStreet@dot.state.ma.us](mailto:NorthWashingtonStreet@dot.state.ma.us)
- Project Website:  
[mass.gov/north-washington-street-bridge-replacement](http://mass.gov/north-washington-street-bridge-replacement)



QR code to  
project website



## Questions and discussion

## Questions and Answers



- "Raise your hand" to be unmuted for verbal questions (Alt + Y if using a phone)



- Submit your questions and comments using the Q&A button



- Please state your name before your question



- Please share only 1 question or comment at a time, limited to 2 minutes, to allow others to participate



- 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



- Please take a few minutes to complete the survey after the meeting to let us know how your experience was with this virtual meeting

**All questions and comments are subject to disclosure for public records. Please use these functions for project related business only.**



CITY of BOSTON

# Thank You

## *North Washington Street Bridge*

October 13, 2022 | 6:30 p.m. – 8:00 p.m.

Project File No. 604173

[NorthWashingtonStreet@dot.state.ma.us](mailto:NorthWashingtonStreet@dot.state.ma.us)

