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Massachusetts Department of Transportation
Highway Division

Cambridge - Alewife Brook Parkway Bridge Superstructure Replacement Project

Virtual Public Information Meeting

March 7, 2023 | 6 p.m.

Project File No. 610776



Zoom Meeting Controls

- Ask a question and share comments

- Raise your hand - *9 for users dialing in and Alt + Y to raise your hand

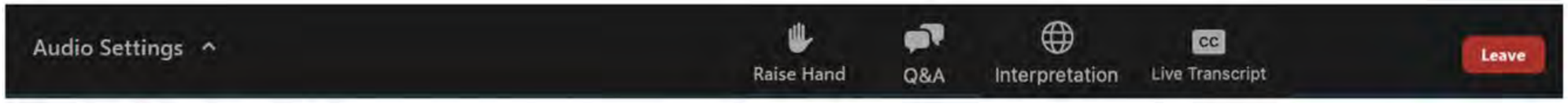
- If you are unable to access the internet or are having technical problems, please call into the meeting at 1-301-715-8592 or 1-305-224-1968, Webinar ID: 87435374526

- Closed captioning automatically generated by Zoom

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Public Meeting Notes and Procedures

Public record

- The Massachusetts Department of Transportation may choose to retain and distribute the transcripts or written record of this meeting.
- All written recordings or transcripts of this meeting are considered public record.
- Please use the Q&A feature for project-related business only.

Important notes

- Your microphone and webcam are automatically disabled upon entering the meeting.
- This meeting will be open to questions and answers at the end of the presentation.
- Please take time to respond to our survey at the end of the presentation. Your feedback is important.

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

- Introductions
- Recent Public Outreach
- Project Overview
- Project Reason
- Project Goal
- Design Progress
- Construction Approach
- Impacts to Community
- Next Steps



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Introductions:

- **MassDOT Project Manager**
  - Shahpar Negah
- **MassDOT District 6**
  - Joseph Doucette
- **MassDOT Producer/Facilitator**
  - Augustin Manyowashington & Kit McLewee
- **Design Consultant (HNTB)**
  - Gaby Pipp, Project Manager & Bridge Lead
  - Colin White, Traffic Lead
  - Patrick Marvin, Public Involvement Lead

Outreach Partners for this Meeting



1. Local Newspaper Advertisements

2. Social Media: MassDOT Facebook and Twitter
facebook.com/massdotinfo/
twitter.com/MassDOT

3. Metropolitan Area Planning Council

4. Other Organizations that Assisted with Outreach:
- City of Cambridge
- Cambridge Public Library
- City of Somerville
- Cambridge City-Wide Senior Center

CITY OF SOMERVILLE, MA

MAPC
METROPOLITAN AREA PLANNING COUNCIL

CAMBRIDGE PUBLIC LIBRARY

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Project Overview – Map



CAMBRIDGE

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Project Overview - How did we get here?

FEB
2021

Project Kickoff & Scoping Meeting

OCT – MAY
2021 2022

Emergency Repairs

NOV
2022

Completed Preliminary Design

DEC / JAN
2022 2023

Meet with MBTA & DCR

MARCH
2023

Public Information Meeting



Why was this project initiated?

Project Reason - Existing Conditions

Deterioration to existing beams



Deterioration to existing beams



Project Reason - Existing Conditions

Temporary netting under bridge

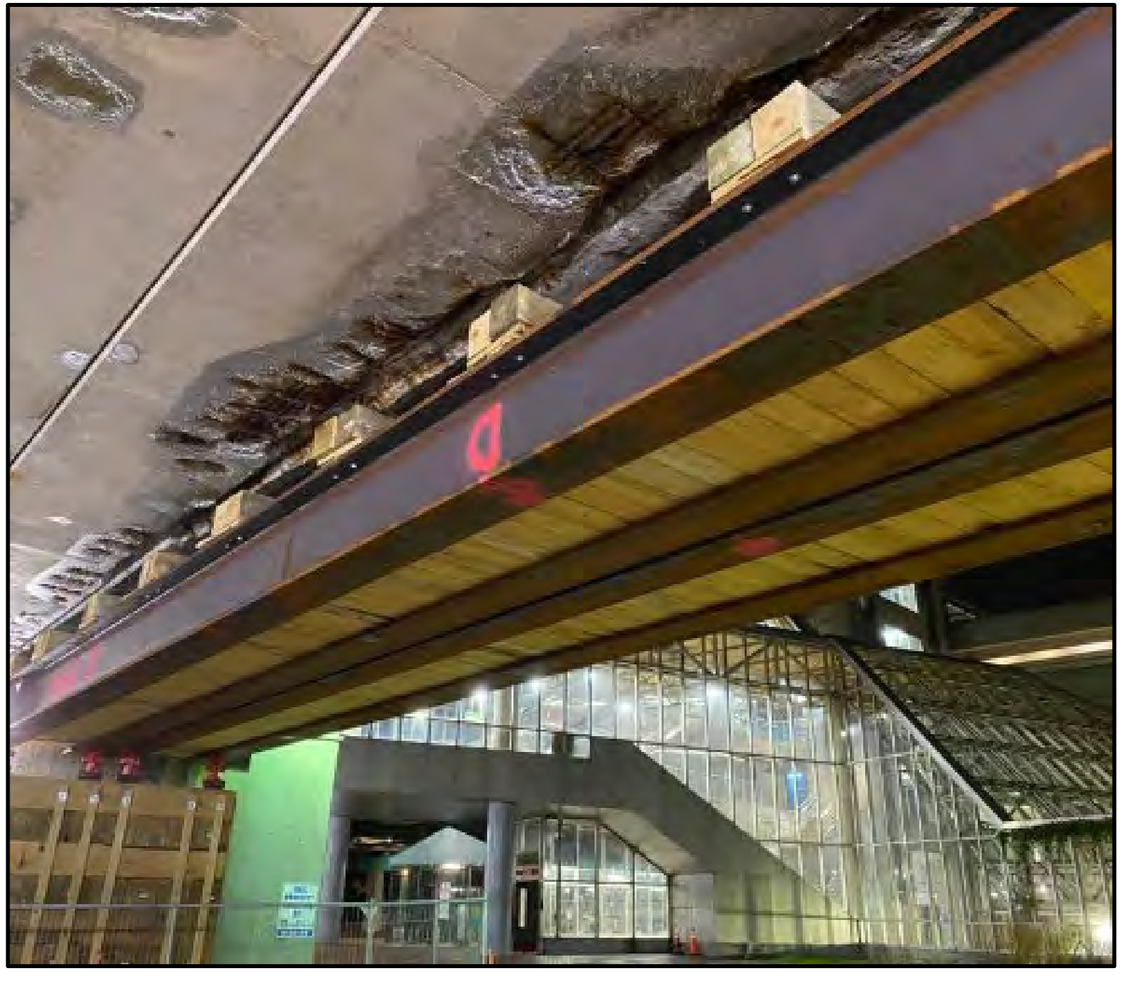


Temporary netting under bridge



Project Reason - Existing Conditions

Temporary shoring system and repair beam



Lane shift with quickcurb



What do we want to accomplish?

Project Goal

*To improve the **safety** and capacity of the bridge while **limiting impacts** to the roadway users, abutting properties, and path networks in and around the project site.*



How will we accomplish this goal?

How will we accomplish this goal?

Safety Improvements:

- New bridge superstructure designed to last 75+ years (no posting)
- New riding surface
- New roadway lane striping
- New sidewalk
- Upgraded bridge rails
- Considerations for updated under bridge lighting



How will we accomplish this goal?

Limit Impacts:

- **Accelerated** construction techniques
- One lane of traffic in each direction
- MBTA Station and Garage **accessible**
- **Detour** signs and temp lighting for **alternate** pedestrian paths
- **Upgrade** alternate paths to ADA compliance as needed
- **Continued** coordination with the community





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How has our design progressed?

Design Progress - Overview

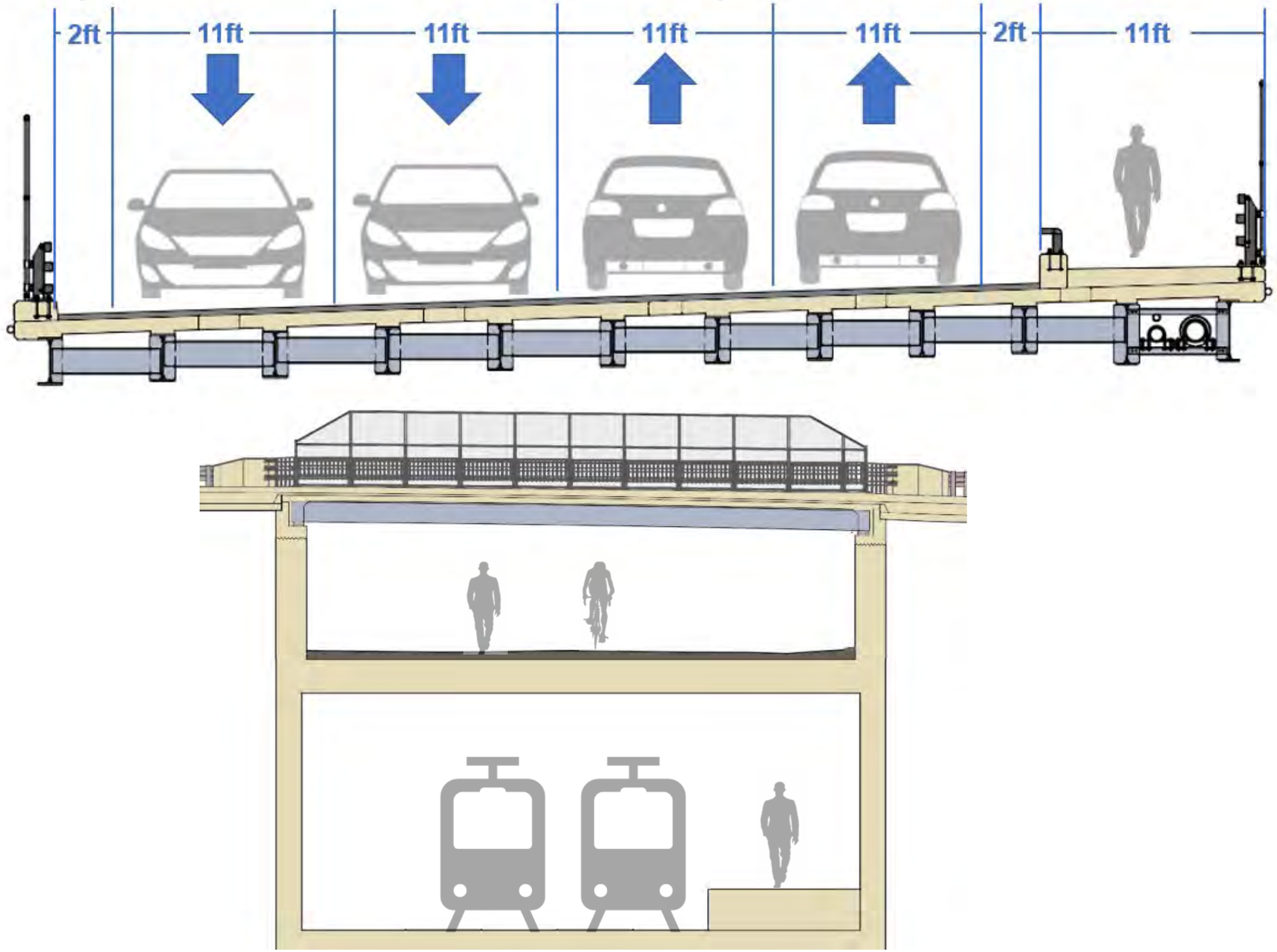
- **Gather information**
  - Site Constraints
- **Agency / Community Coordination**
  - DCR
  - MBTA
  - City of Cambridge
- **Evaluate Bridge Types**
  - Limit impacts (traffic, loading)
  - Accommodate site constraints and local agency/community



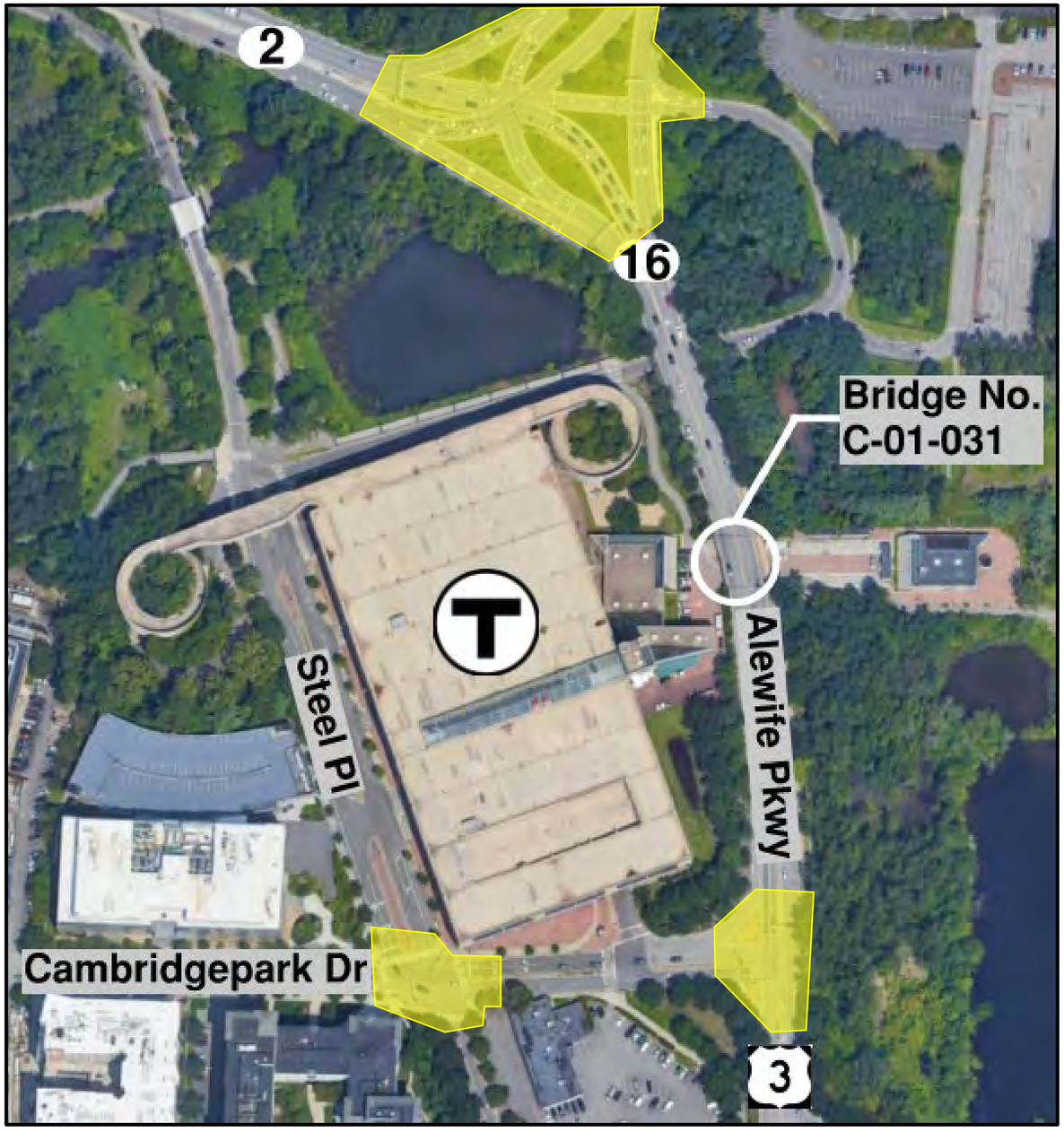


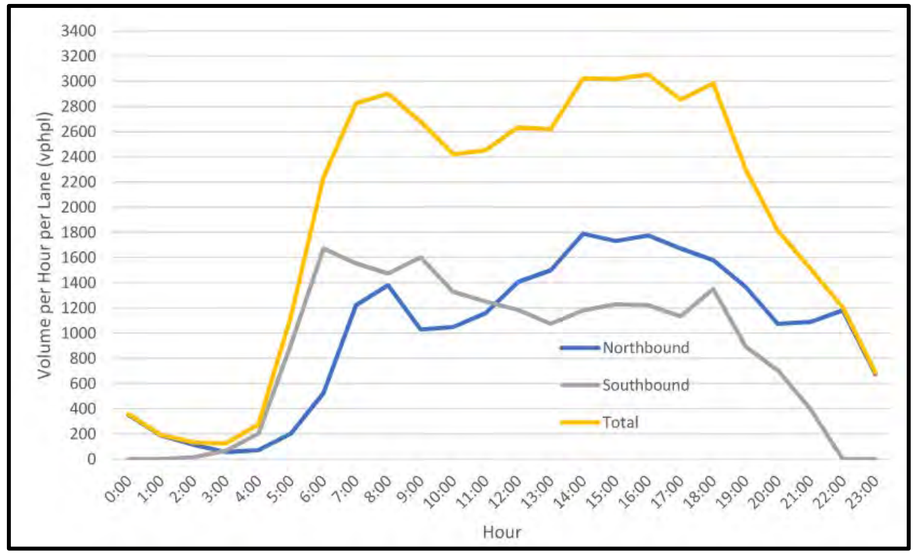
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Design Progress – Proposed Bridge

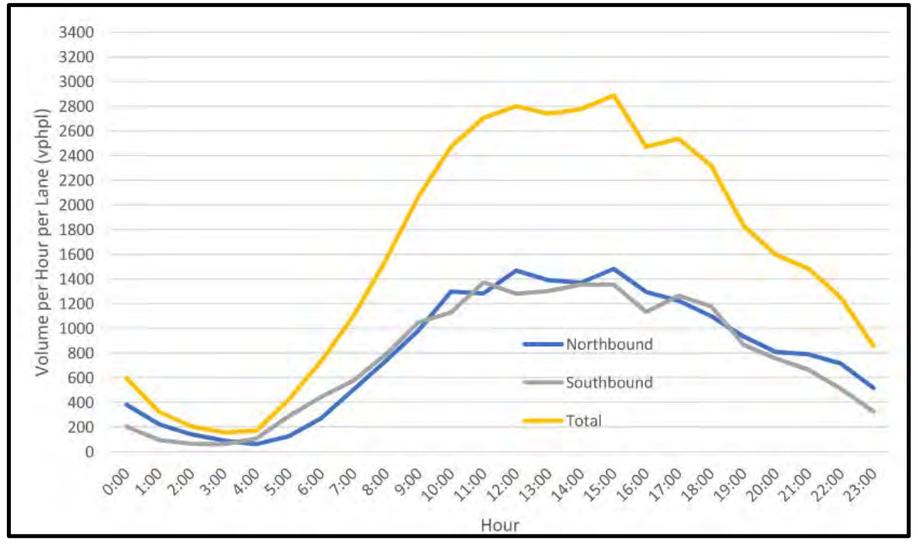


Design Progress – Traffic Analysis





Weekday



Weekend

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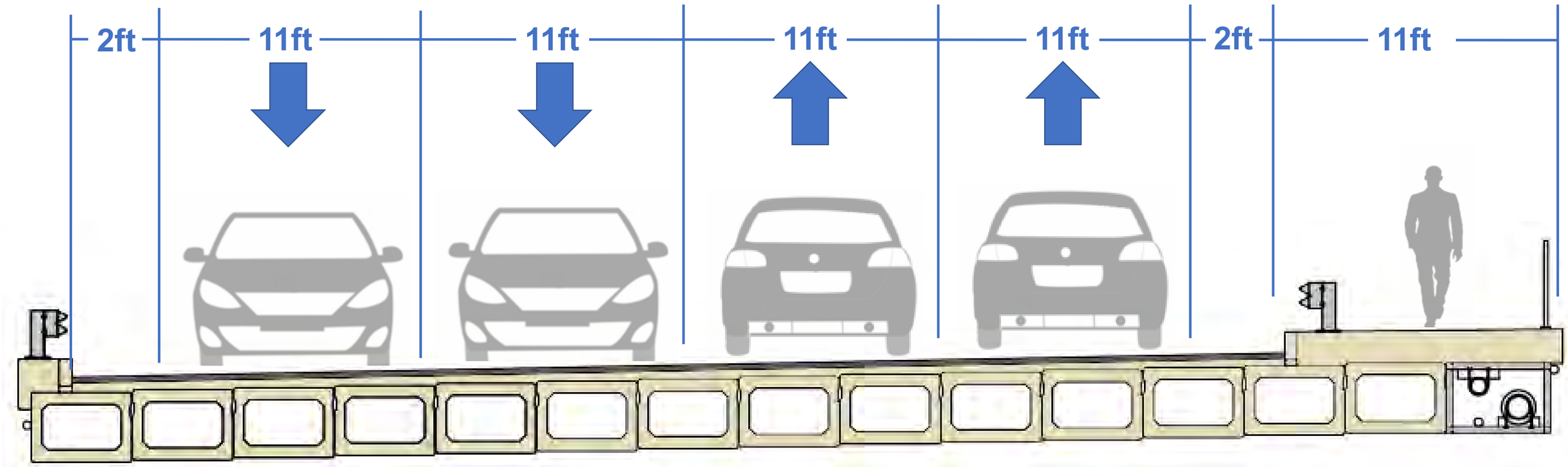
What is the construction approach?

Construction Approach - Overview

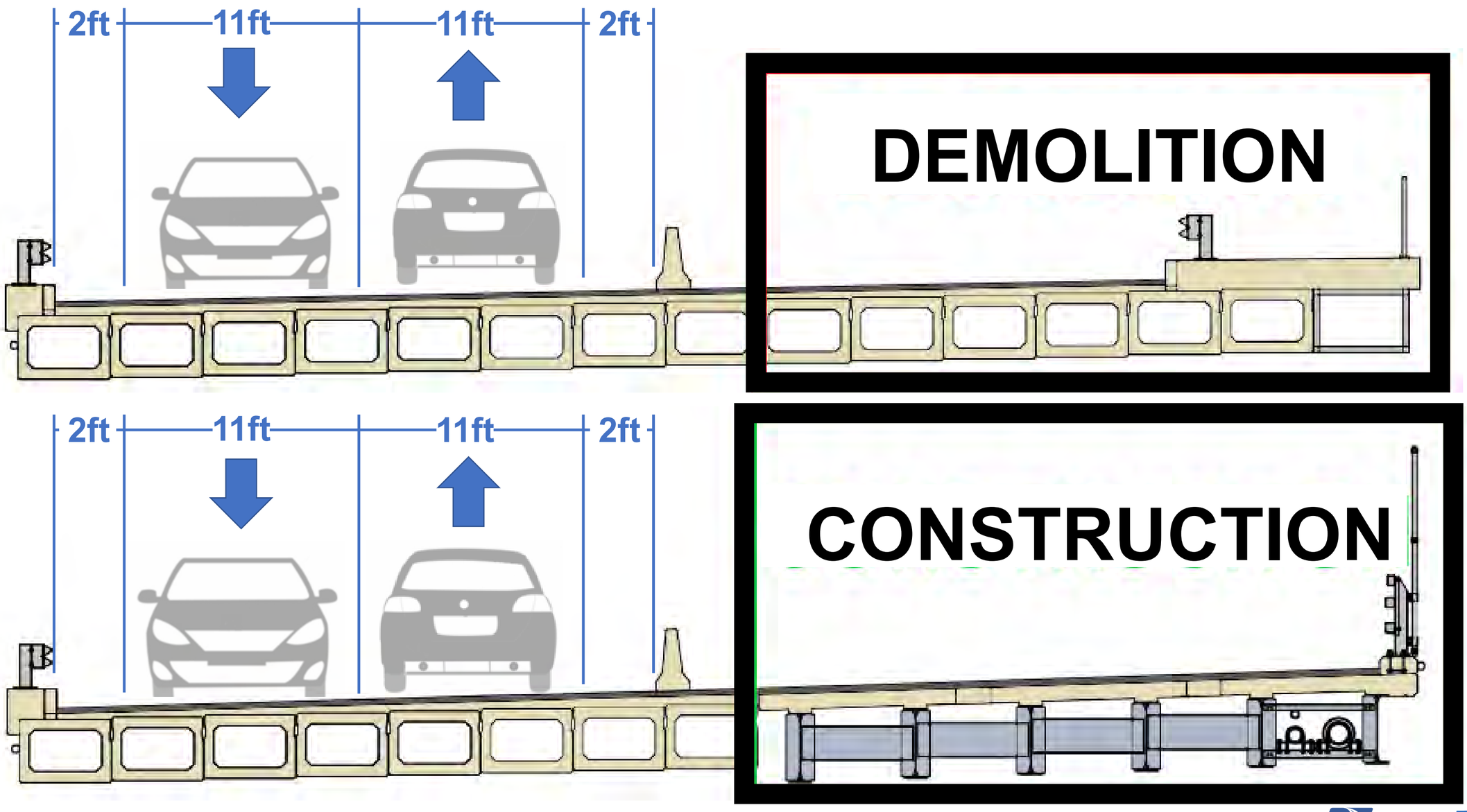
- Staged construction utilizing **Accelerated** Bridge Construction (ABC) Techniques
- **Minimize** noise and disturbance where possible; implement dust control measures
- **Maintain** access to local businesses and MBTA Station
- **Minimize** impacts to utilities during construction
- Work hours planned for
  - Typical daytime Monday through Friday
  - 2 weekends Friday PM to Monday AM
  - Isolated night work for sidewalk reconstruction at end of project



Construction Approach – Existing Section

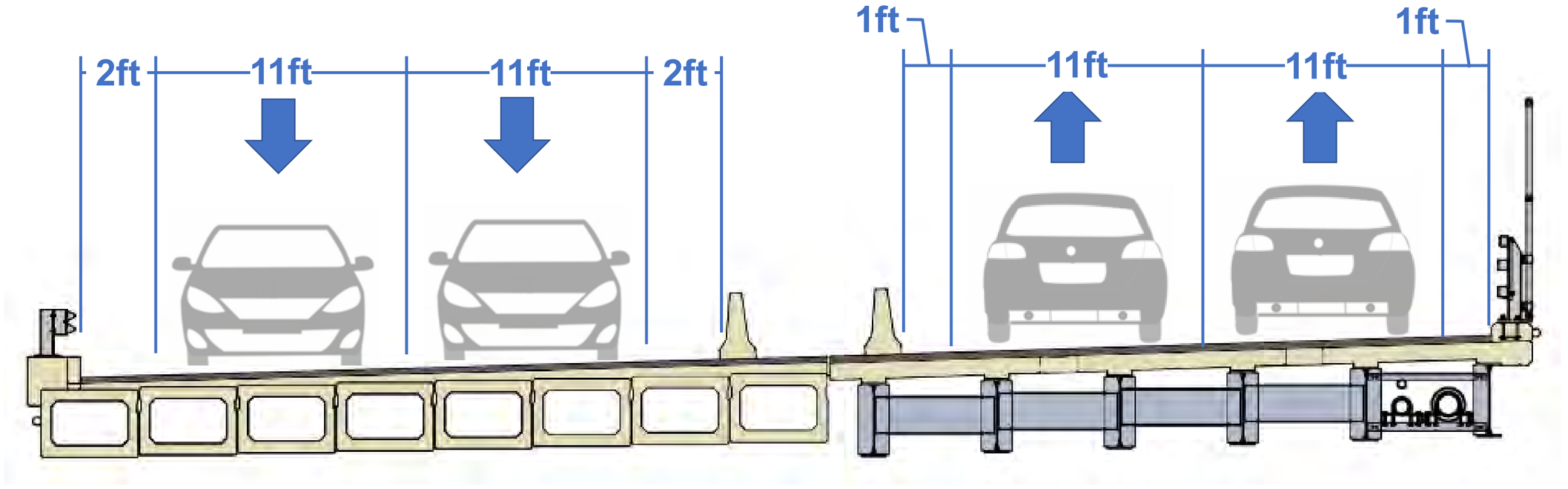


Construction Approach – Stage 1

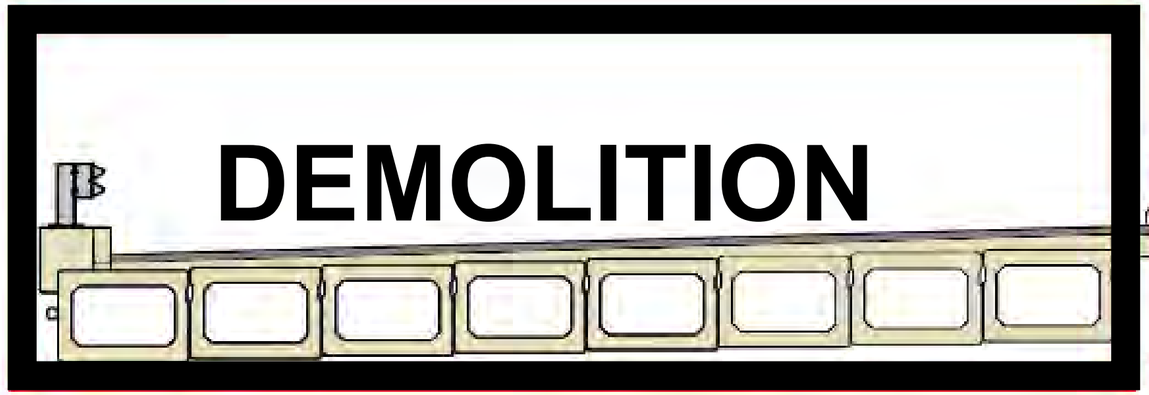


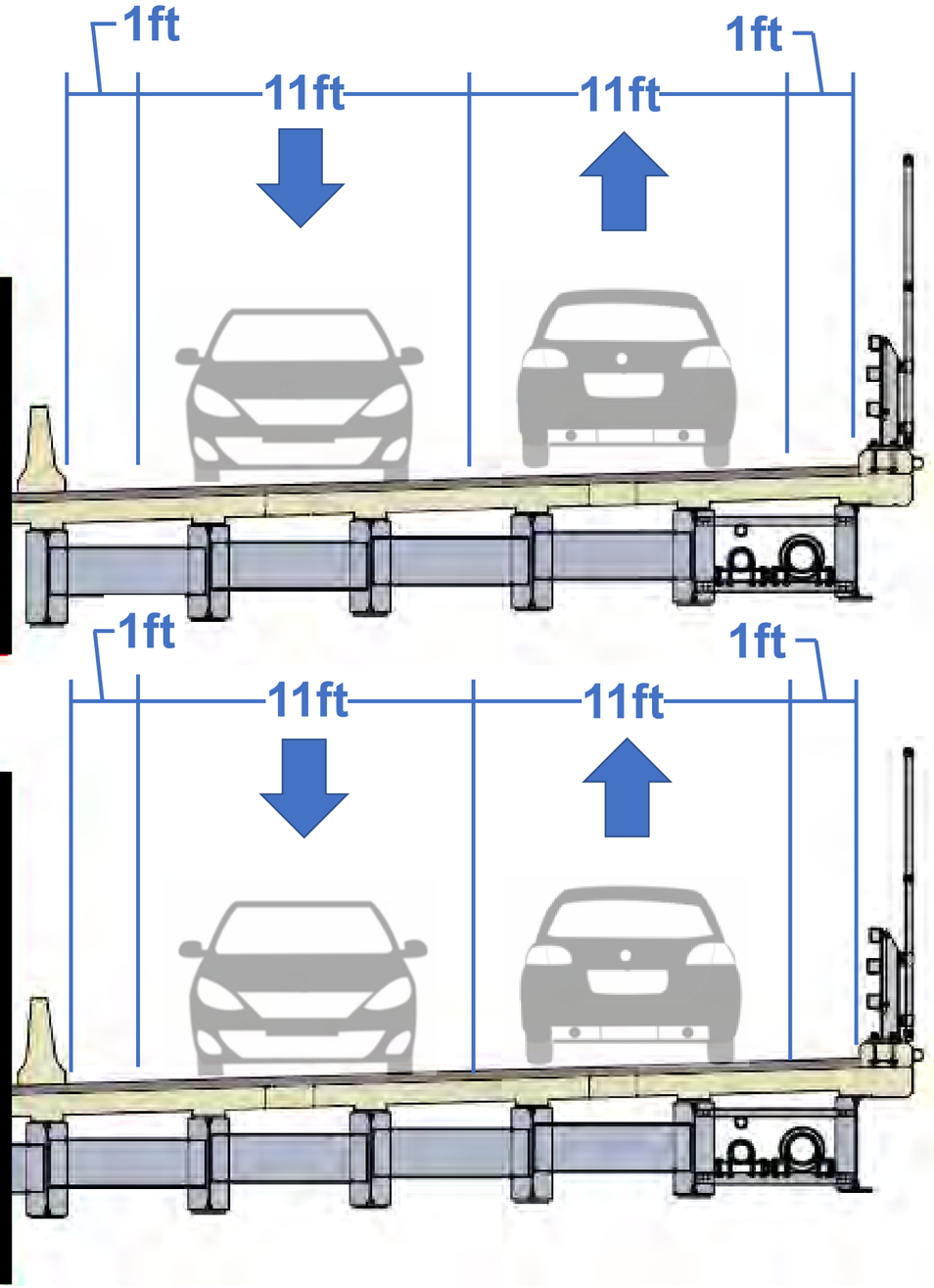
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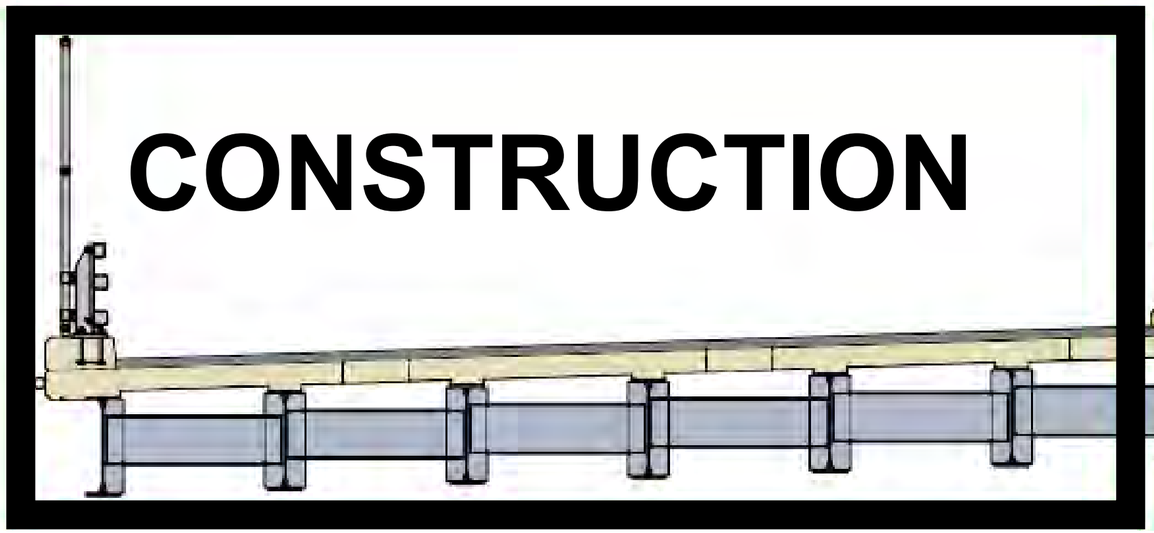
Construction Approach – Pre-Stage 2



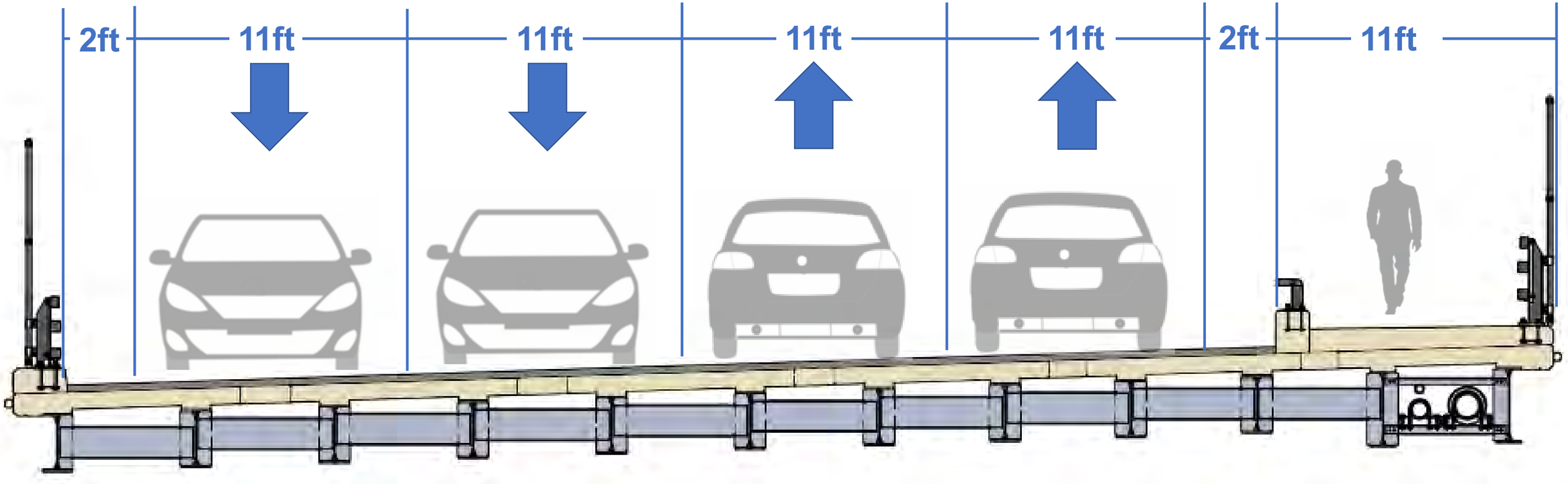
Construction Approach – Stage 2







Construction Approach – Proposed Section





How will your community be impacted?

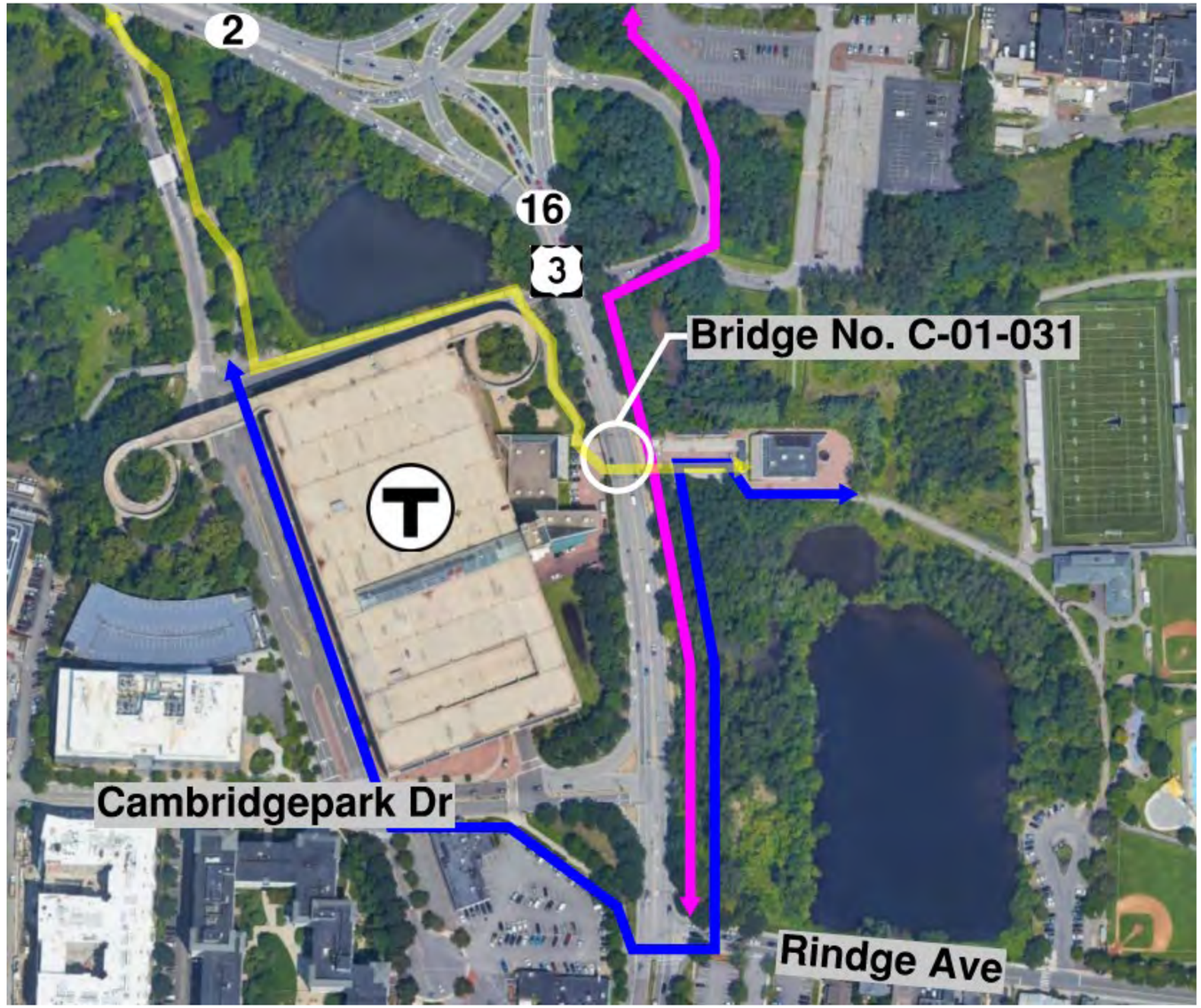
Impacts to Community

During Construction

- East sidewalk on bridge anticipated to be closed for duration of the project DETOUR
- Bike network under bridge anticipated to be closed for two weekends DETOUR
- Temporary pedestrian paths needed
- Consideration for Police at Rindge Ave. and Cambridgepark Dr. to direct pedestrians
- MBTA station access and garage - open
- MBTA train operations not impacted; potential bus impacts from vehicular traffic
- Traffic impacts for vehicles on Alewife Parkway

After Construction

- **New bridge, safe for all roadway users!**



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What are the next steps?

Our next steps

1. Address Public Comments
2. Proceed to 25% Design
3. Design Public Hearing. Anticipated Summer/Fall 2023
4. 75% and Final Design
5. Construction anticipated in Spring 2025



How will we keep you informed?

How to reach us?

- Submit written comments to:

  Carrie Lavallee, P.E., Chief Engineer
  MassDOT
  10 Park Plaza
  Boston, MA 02116
  Attention: Project Management PROJECT FILE NO. 610776

- Submit email comments to:

  MassDOTProjectManagement@dot.state.ma.us

- For project information visit the MassDOT Design Public Hearing web site at:

  https://www.mass.gov/massdot-highway-design-public-hearings or used the QR Code

- For MBTA questions and comments:

  publicengagement@mbta.com

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Questions and answers

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.

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Thank You

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Virtual PIM | March 7, 2023 | 6:00pm

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Project Manager: Shahpar Negah, PE