



# 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

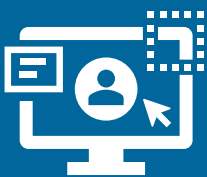


Live Transcript

- Closed captioning automatically generated by Zoom



- Use the View button in the upper right-hand corner to adjust the meeting view settings to your preference



If you have trouble with the meeting technology during the presentation, please call:

**[+1.888.799.9666]**



# 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



## 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/](https://facebook.com/massdotinfo/)  
[twitter.com/MassDOT](https://twitter.com/MassDOT)

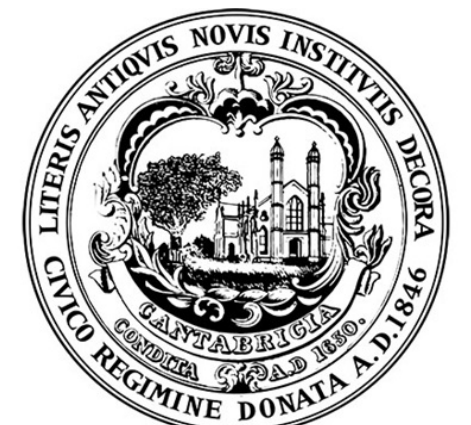


## 3. Metropolitan Area Planning Council



## 4. Other Organizations that Assisted with Outreach:

- City of Cambridge
- Cambridge Public Library
- City of Somerville
- Cambridge City-Wide Senior Center





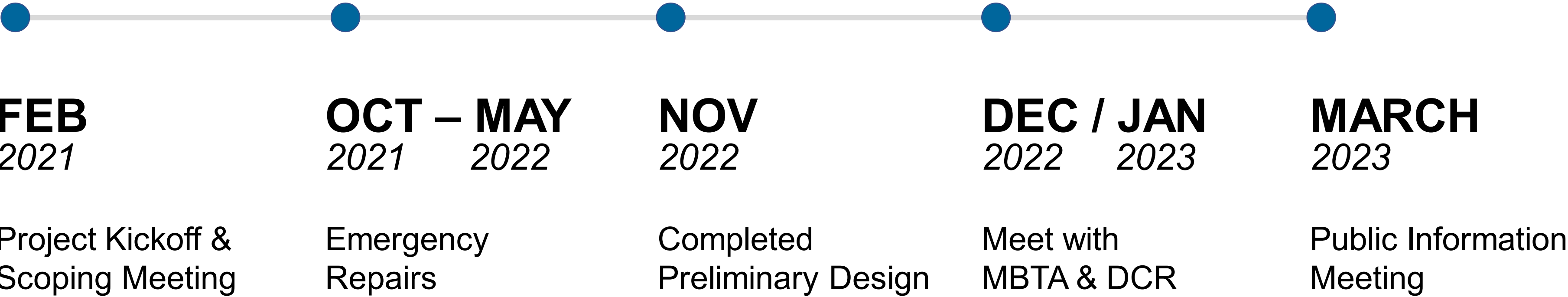
# Project Overview – Map



CAMBRIDGE



# Project Overview - How did we get here?







**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





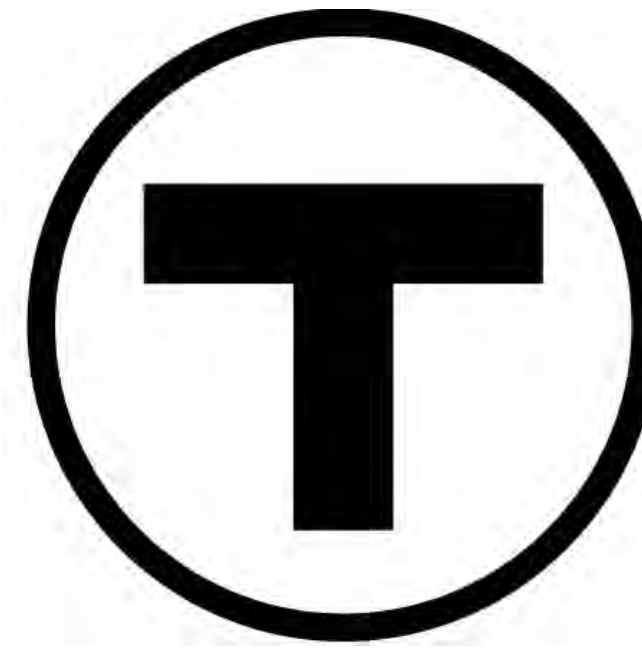
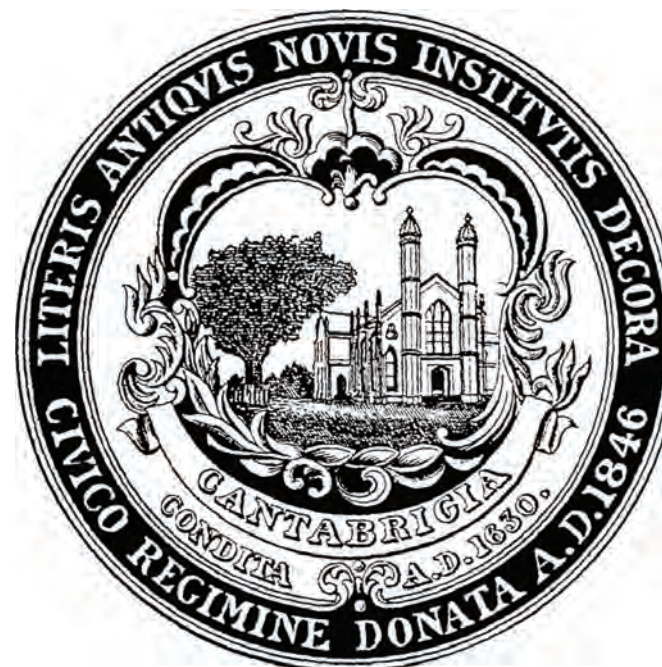


How has our  
design  
progressed?



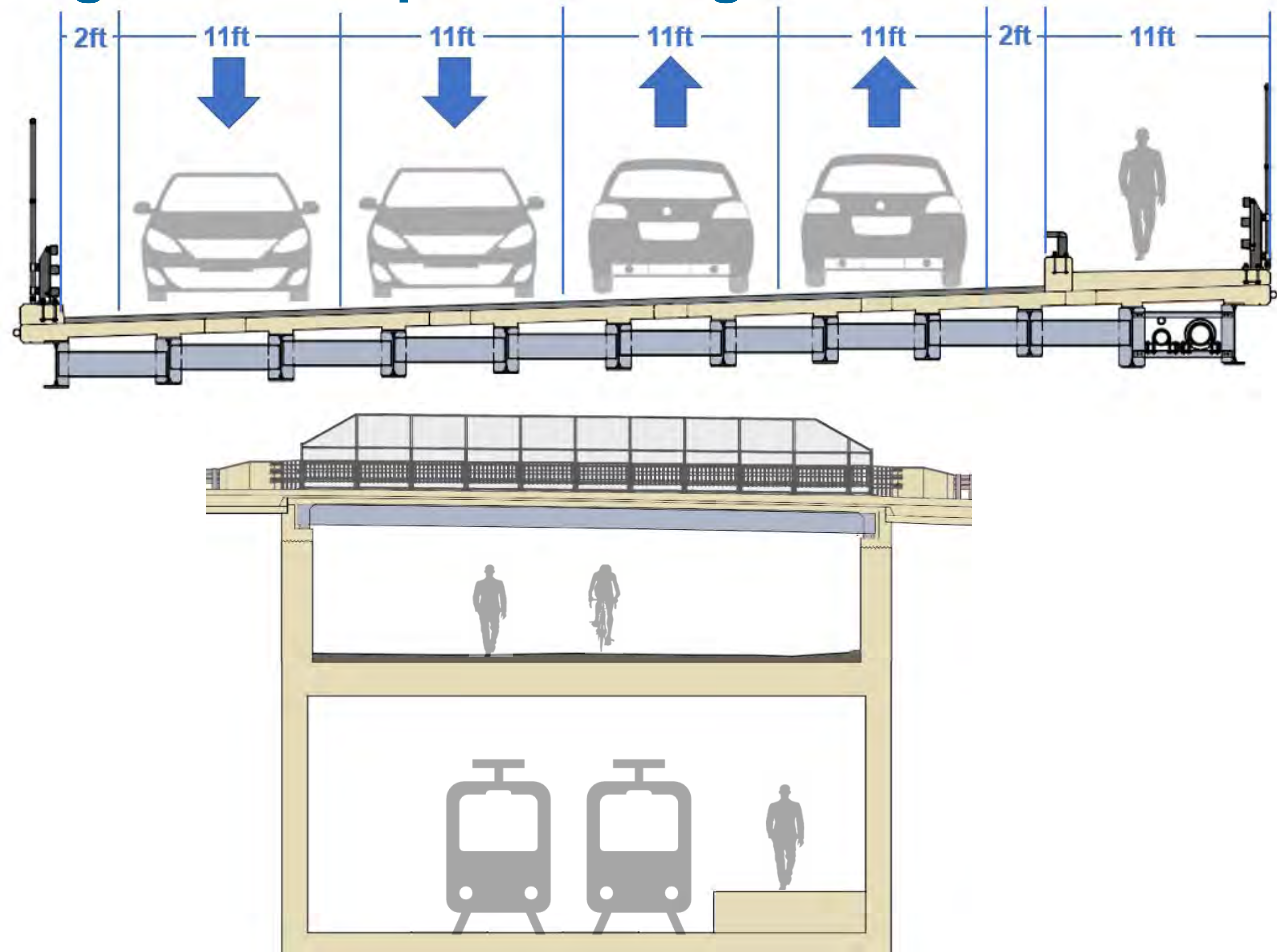
# Design Progress - Overview

- **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



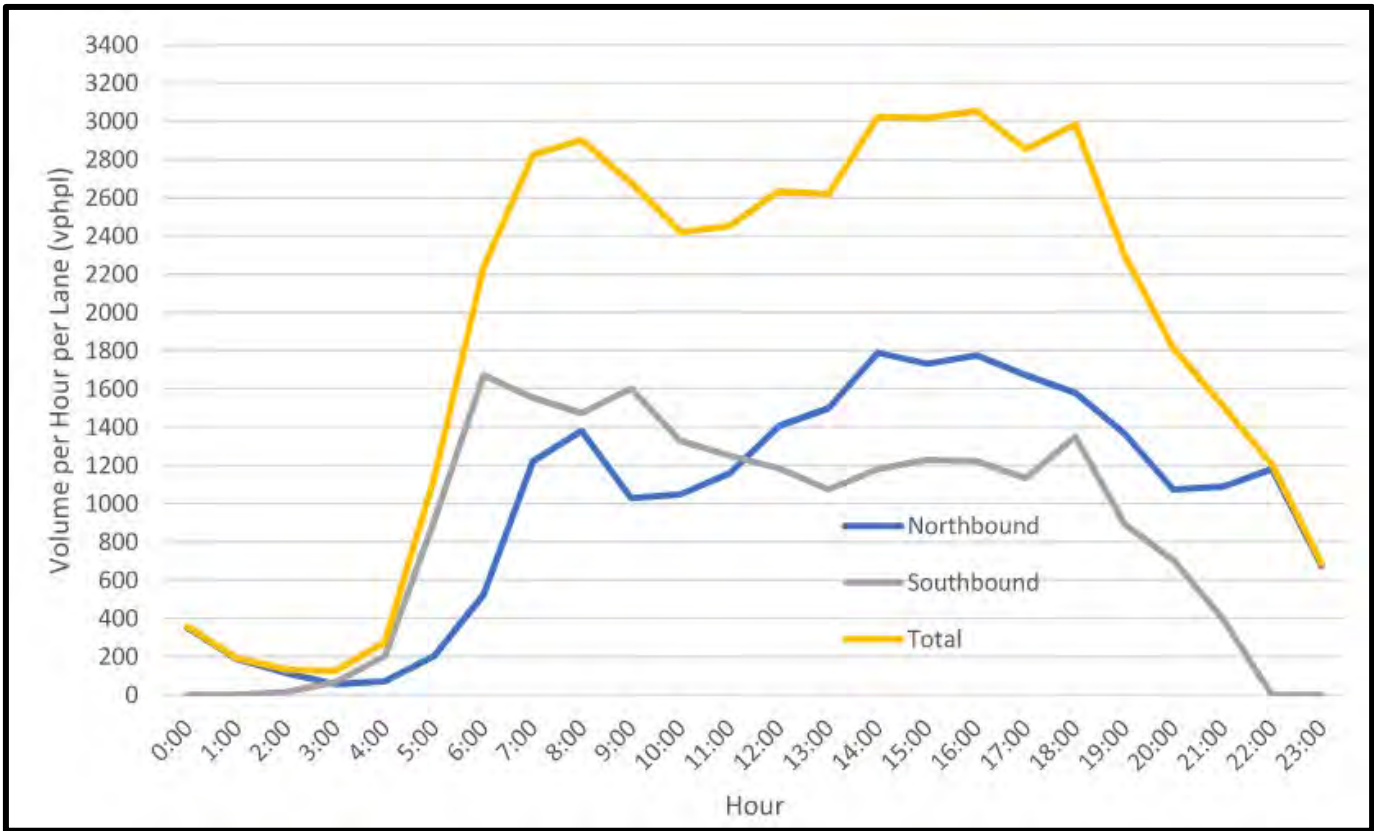


# Design Progress – Proposed Bridge

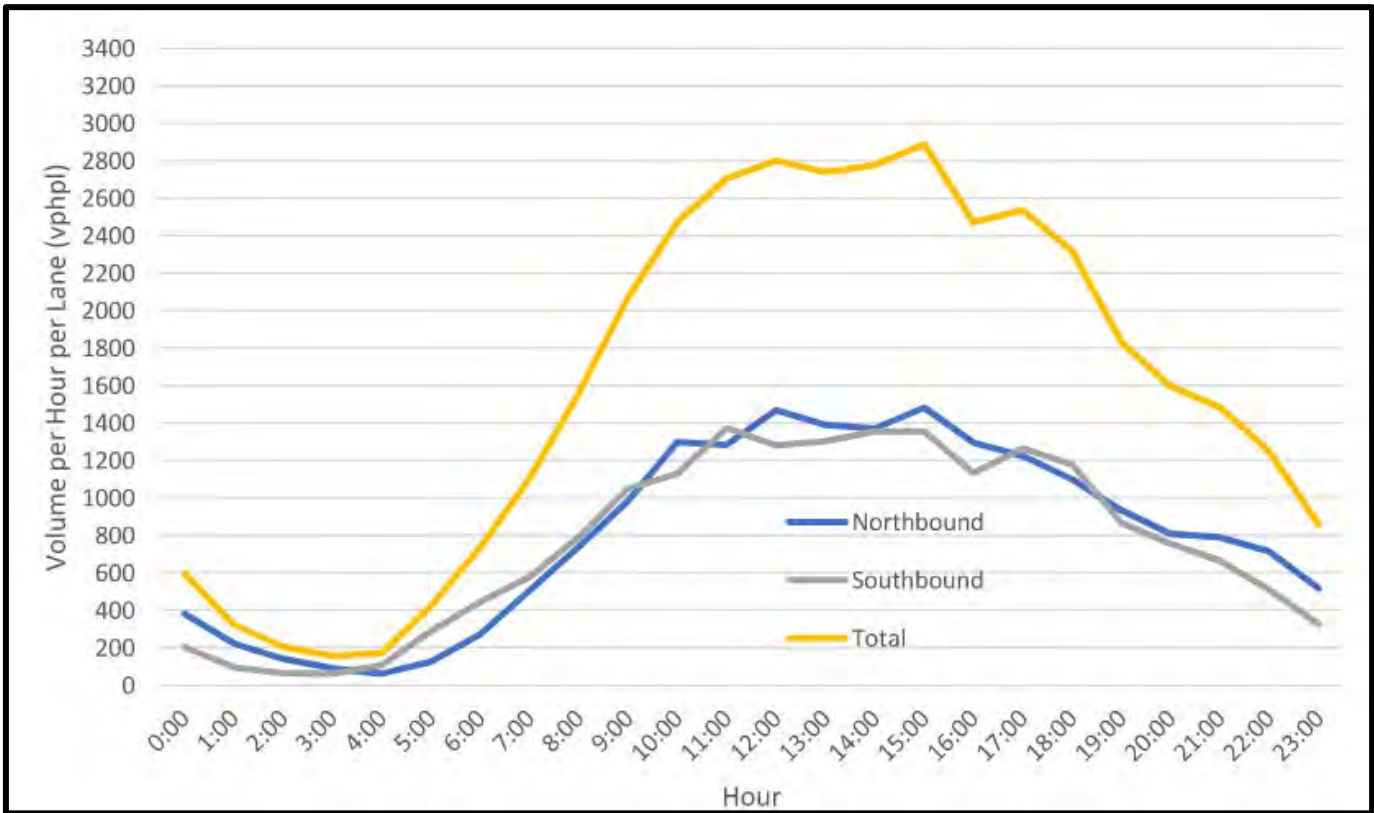




# Design Progress – Traffic Analysis

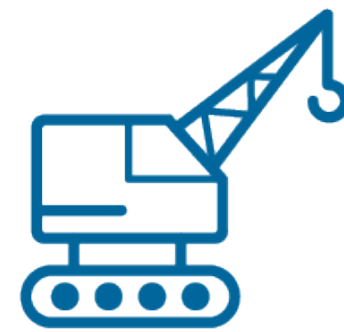


Weekday



Weekend





**What is the  
construction  
approach?**



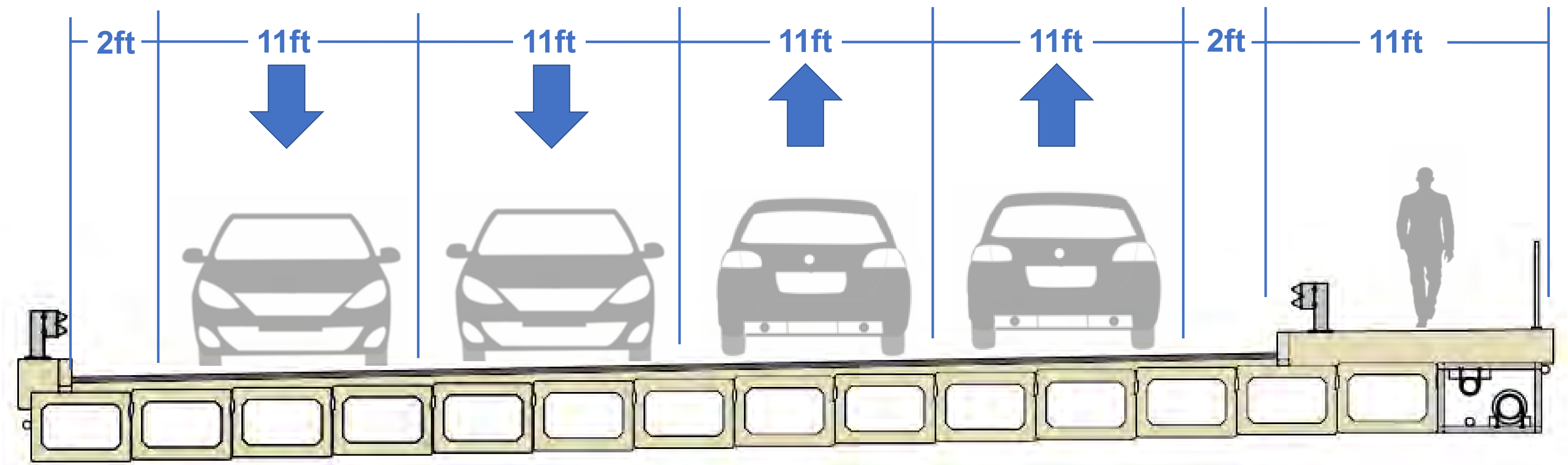
## Construction Approach - Overview

- 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



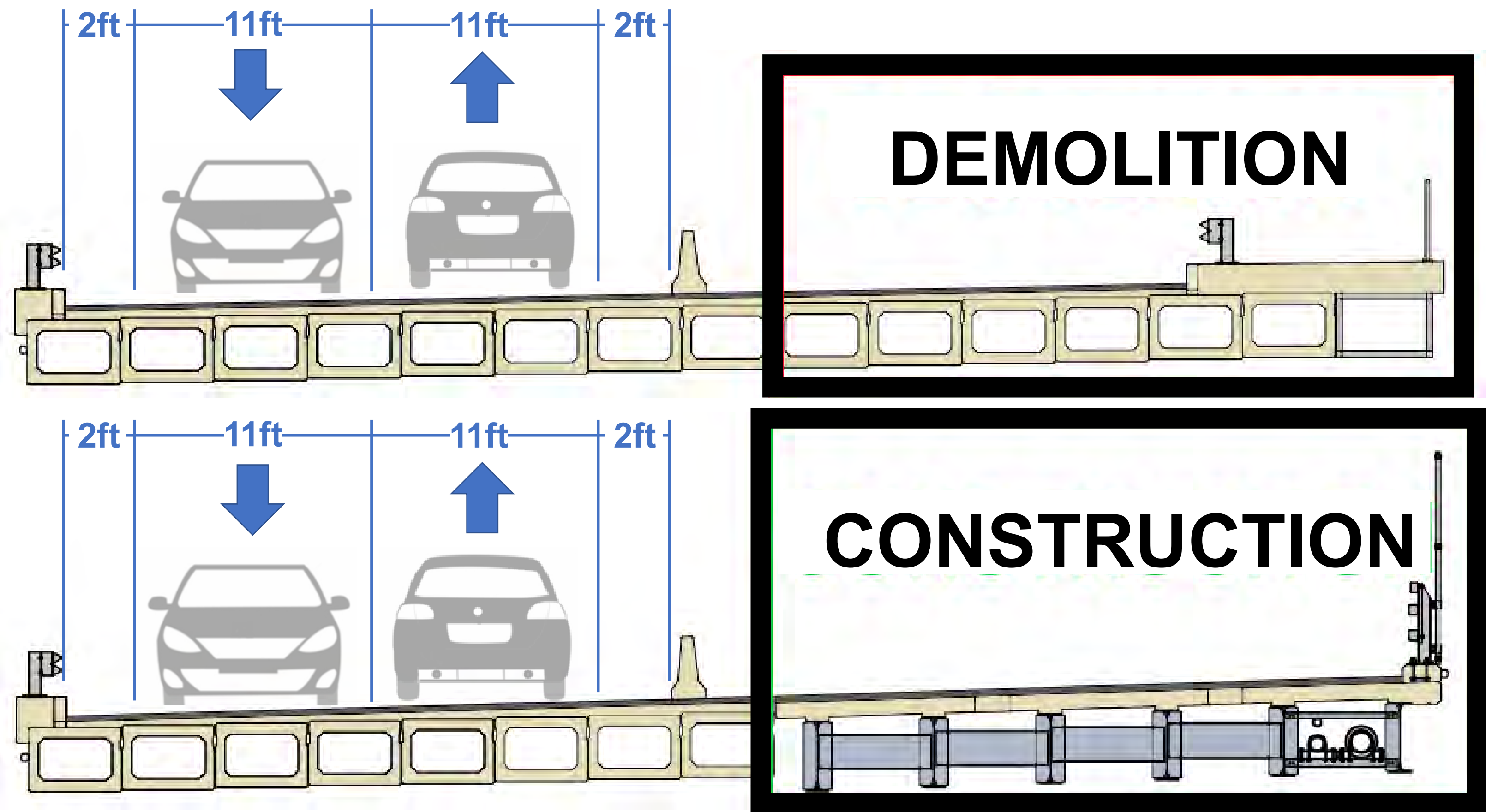


# Construction Approach – Existing Section



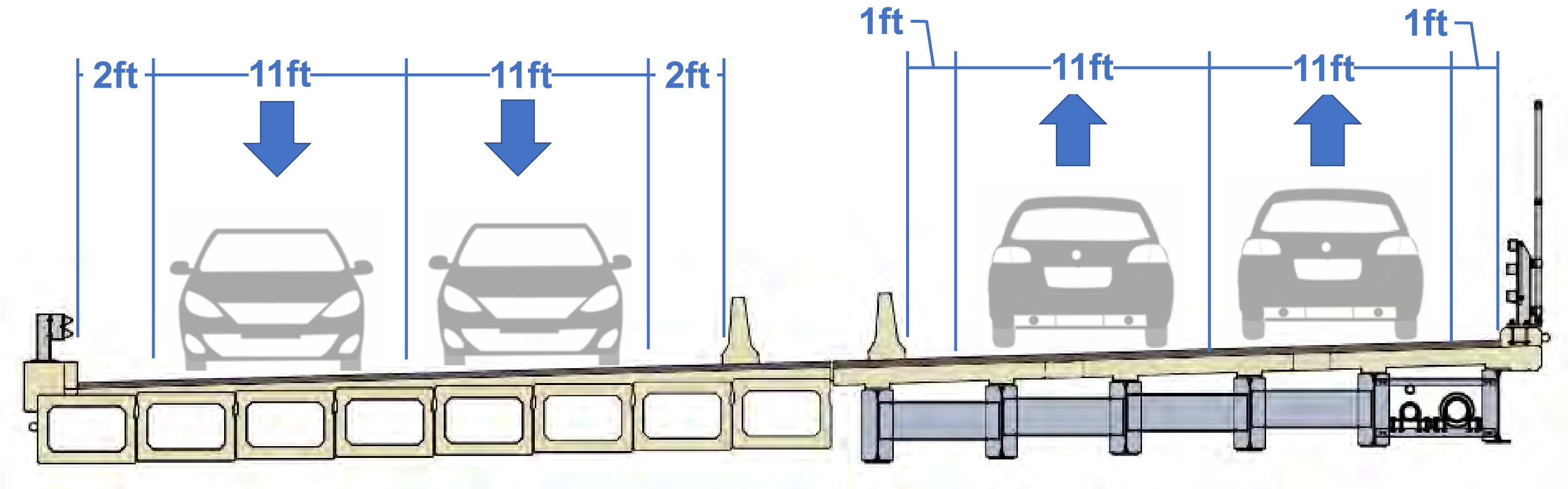


# Construction Approach – Stage 1



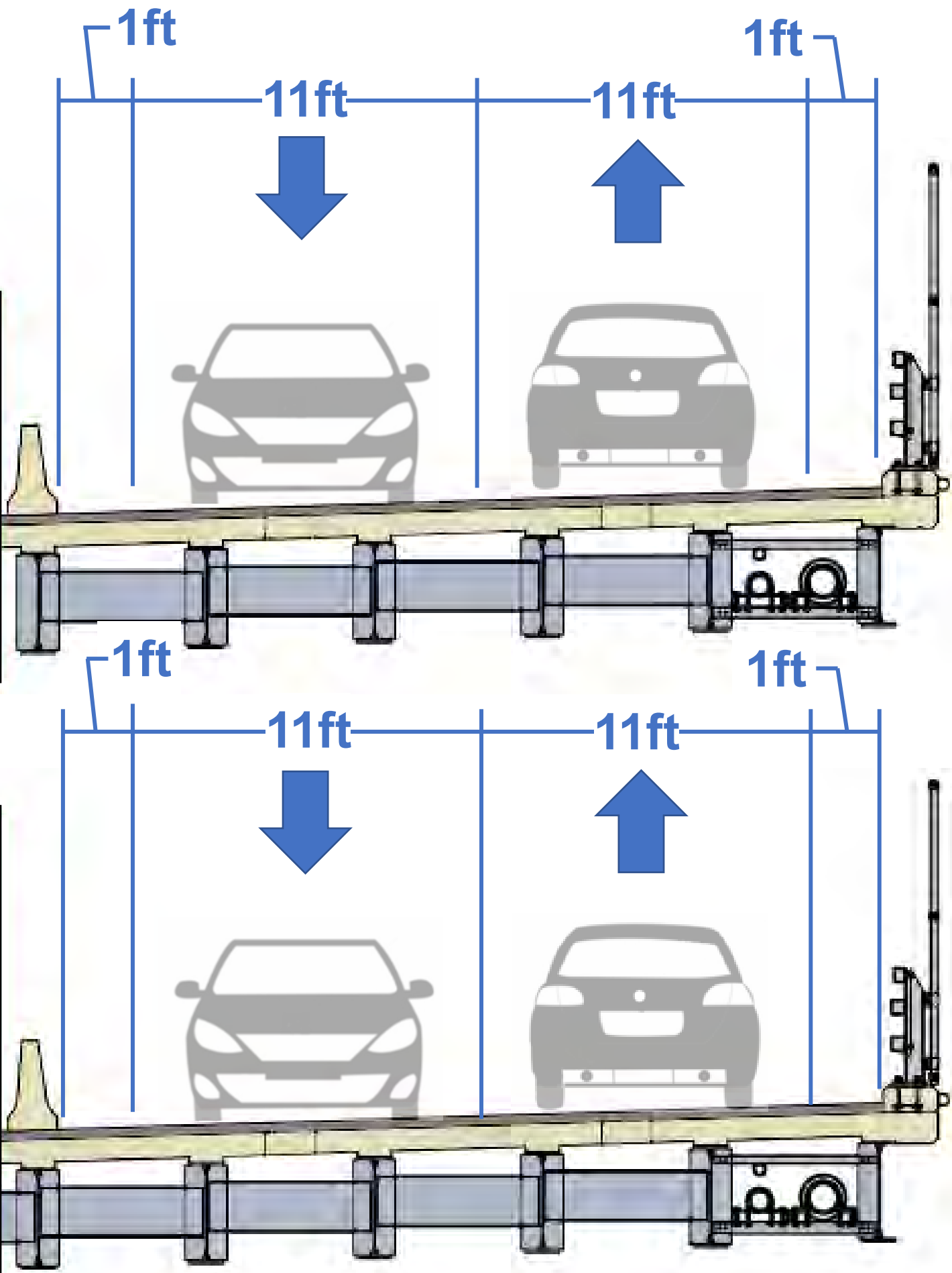
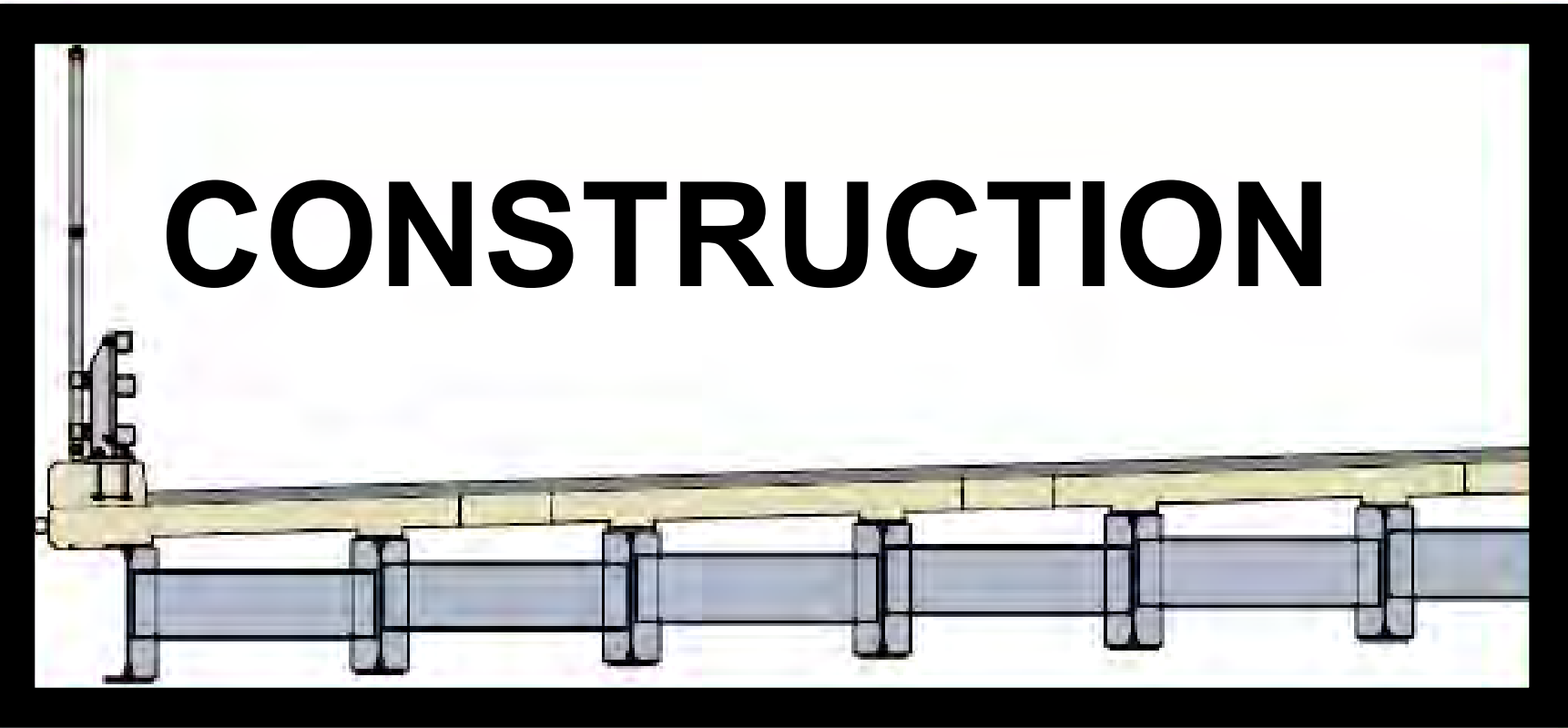
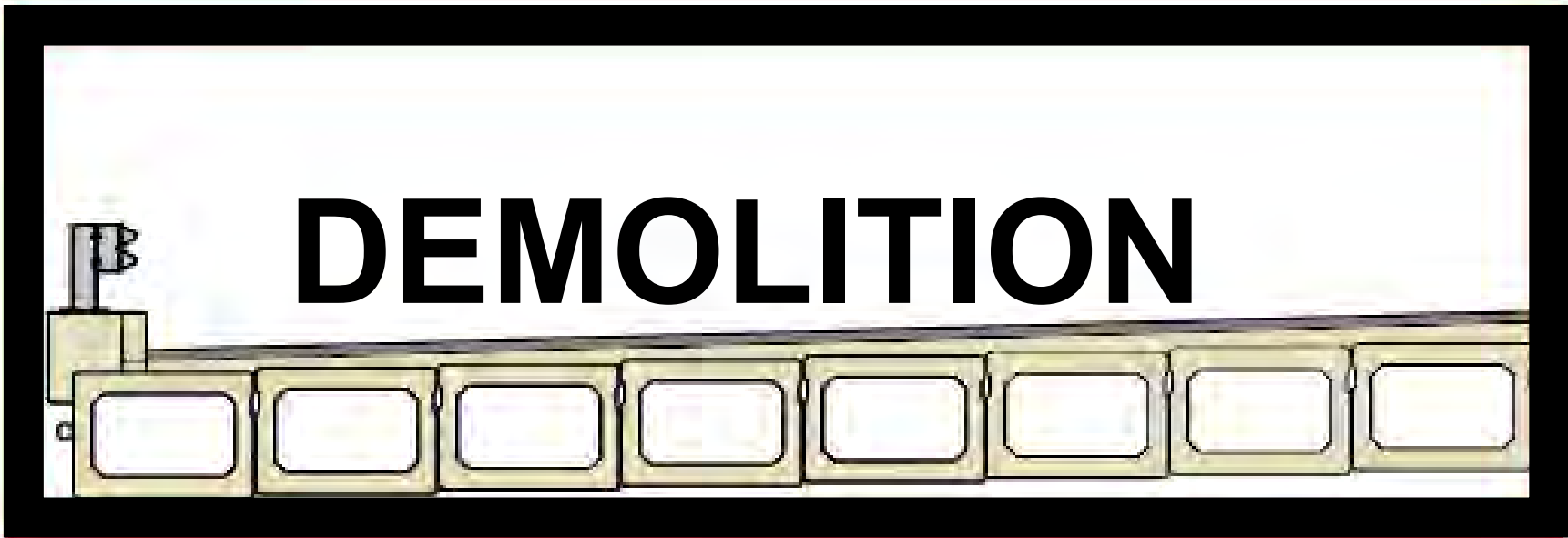


# Construction Approach – Pre-Stage 2



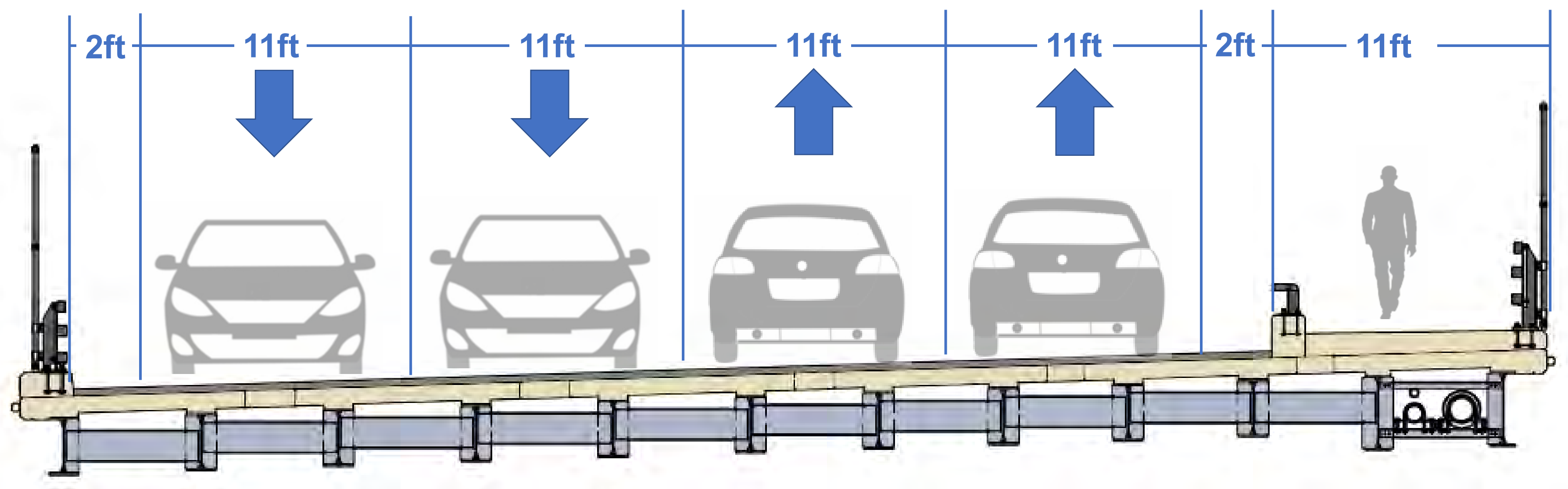


Construction Approach – Stage 2





# Construction Approach – Proposed Section







**How will your  
community be  
impacted?**



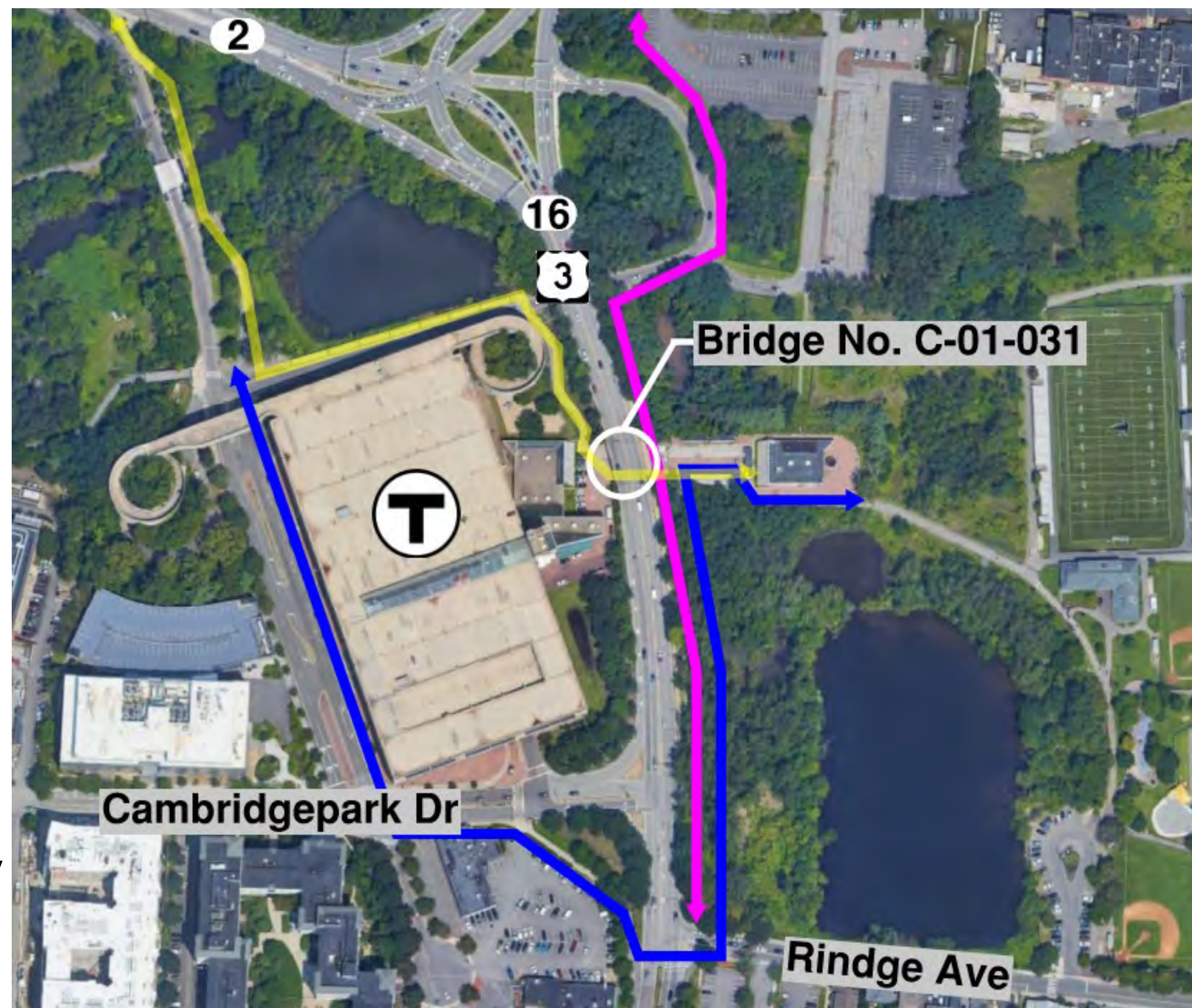
# Impacts to Community

## 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!



- TYPICAL DETOUR**
- WEEKEND ONLY DETOUR**
- EXISTING BIKE NETWORK**





**What are the  
next steps?**



# Our next steps



Address Public  
Comments



Proceed to 25%  
Design



Design Public  
Hearing.  
Anticipated  
Summer/Fall 2023



75% and Final  
Design



Construction  
anticipated in  
Spring 2025





**How will we  
keep you  
informed?**



## How to reach us?

- Submit written comments to:  
Carrie Lavalley, 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](mailto: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](mailto:publicengagement@mbta.com)







# Questions and answers



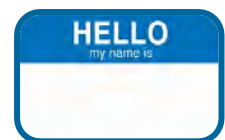
## Questions and Answers



- “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.**



## How to reach us?

- Submit written comments to:  
Carrie Lavalley, 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](mailto: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](mailto:publicengagement@mbta.com)







# ***Thank You***

## *Cambridge - Alewife Brook Parkway Bridge Superstructure Replacement Project*

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

Project File No. 610776

Project Manager: Shahpar Negah, PE

