



# Newton Bridge Replacement on Route 9 Over the Green Line D

*Thank you for joining us.*

*This meeting will begin shortly.*



# Newton Bridge Replacement on Route 9 Over the Green Line D

## *Public Informational Meeting*

Wednesday, February 7<sup>th</sup> | 6:00 – 7:00 PM

Project File No. 612182



# Zoom meeting controls

If you have trouble with the meeting technology during the presentation, please call: [1.888.799.9666]



- Use the chat button to ask questions, Alt+H (If disabled – replace text with "Chat Disabled")



- To unmute audio - Alt + A toggles audio off/on



- To show video - Alt + V toggles video off/on



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

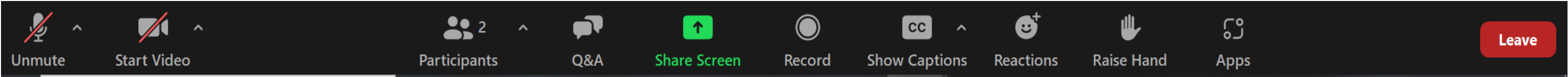


- If you are unable to access the internet or are having technical problems, please call into the meeting at 1 646 931 3860, Webinar ID: 875 422222 1603



Live Transcript

- Closed captioning automatically generated by Zoom



## Public meeting notes and procedures:

### Notification of video recording

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

### Important notes

- Your microphone and camera are automatically disabled upon entering the meeting.
- The meeting will be open to questions and answers at the end of the presentation.
- Your feedback is important.

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- 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.

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

# Presentation Participants

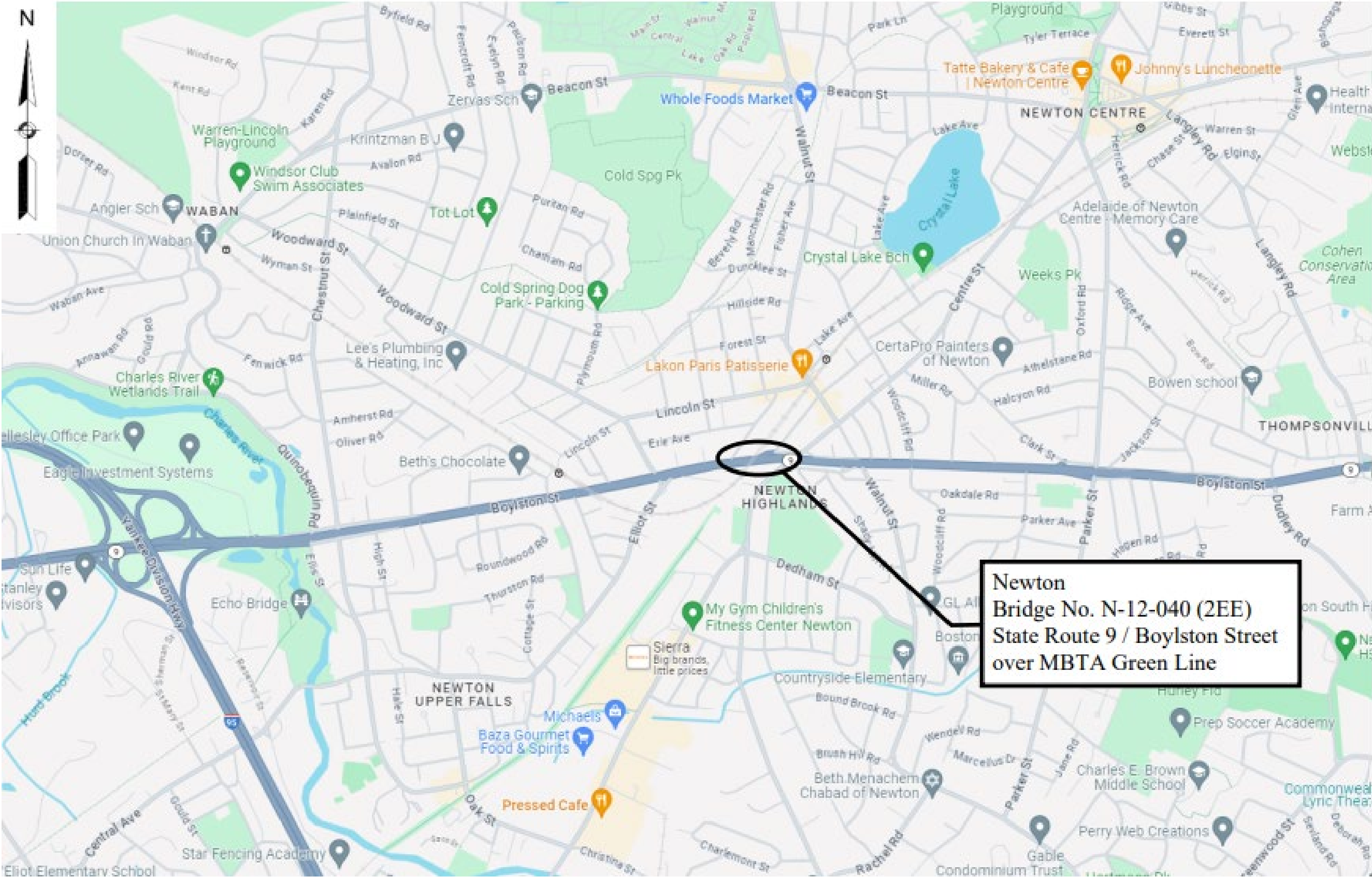
- **MassDOT Project Manager**
  - Kristine Chestna, PE
- **MassDOT D6 Assistant Project Development Engineer**
  - Joseph Doucette, EIT
- **MassDOT State ROW Compliance Officer**
  - Mark Hicks
- **MassDOT Legislative Affairs**
  - Daniel Fielding
- **MassDOT Producer/Facilitator**
  - Hung Pham and Roy Kirwa
- **HNTB**
  - Joshua Clogston, PE, Senior Structural Engineer
- **HTNB**
  - Emma Loughlin, EIT, Lead Roadway Engineer

## How to reach us

- Submit email comments to:  
[MassDOTProjectManagement@dot.state.ma.us](mailto:MassDOTProjectManagement@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: PROJECT MANAGEMENT, PROJECT FILE NO. 612182
- 25% Design Public Hearing Meeting Anticipated for Summer 2024









# Agenda

- 01 Project Location
- 02 Project Initiation
- 03 Project Goals
- 04 Proposed Design
- 05 Construction Approach
- 06 Next Steps
- 07 Questions & Answers







**Where is the  
project  
located?**



## Project Location

The bridge is located on Boylston Street (Route 9) east of the Woodward and Elliot Street intersection.







**Why was this  
project  
initiated?**



## Project Initiation

- The existing bridge carrying Route 9/Boylston Street over the MBTA Green Line is over 100 years old and generally in poor condition. Replacement of the bridge is necessary to maintain a state of good repair on the roadway.



Underside of Bridge with Rust and Section Loss to Steel Framing



Deterioration of the Underside of Bridge Deck



# Project Initiation



Fascia Girder with Advanced Section Loss and Holes in the Web Plate



Existing Beam with Advanced Deterioration and a Corrosion Hole in the Web



# Project Initiation



Existing Concrete Abutments with Spalls, Cracks, and other Deterioration



Existing Sidewalk with Exposed Utility Pipe and Girder Serving as Bridge Rail





**What do we  
want to  
accomplish?**



# Replace Structurally Deficient Bridge and Maintain MBTA ROW





# Relocation of Existing Above Ground Utilities



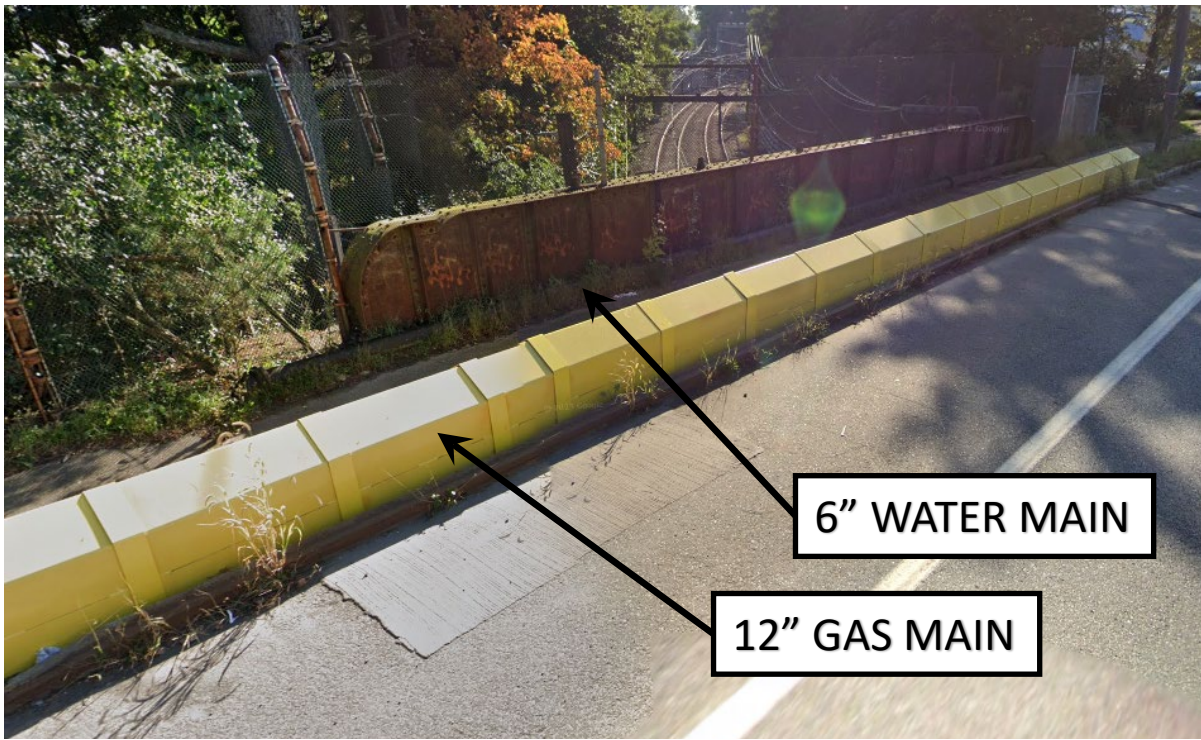
Overhead Utilities at Bridge



Conc. Encased Conduit Bay Below



Eastbound Sidewalk



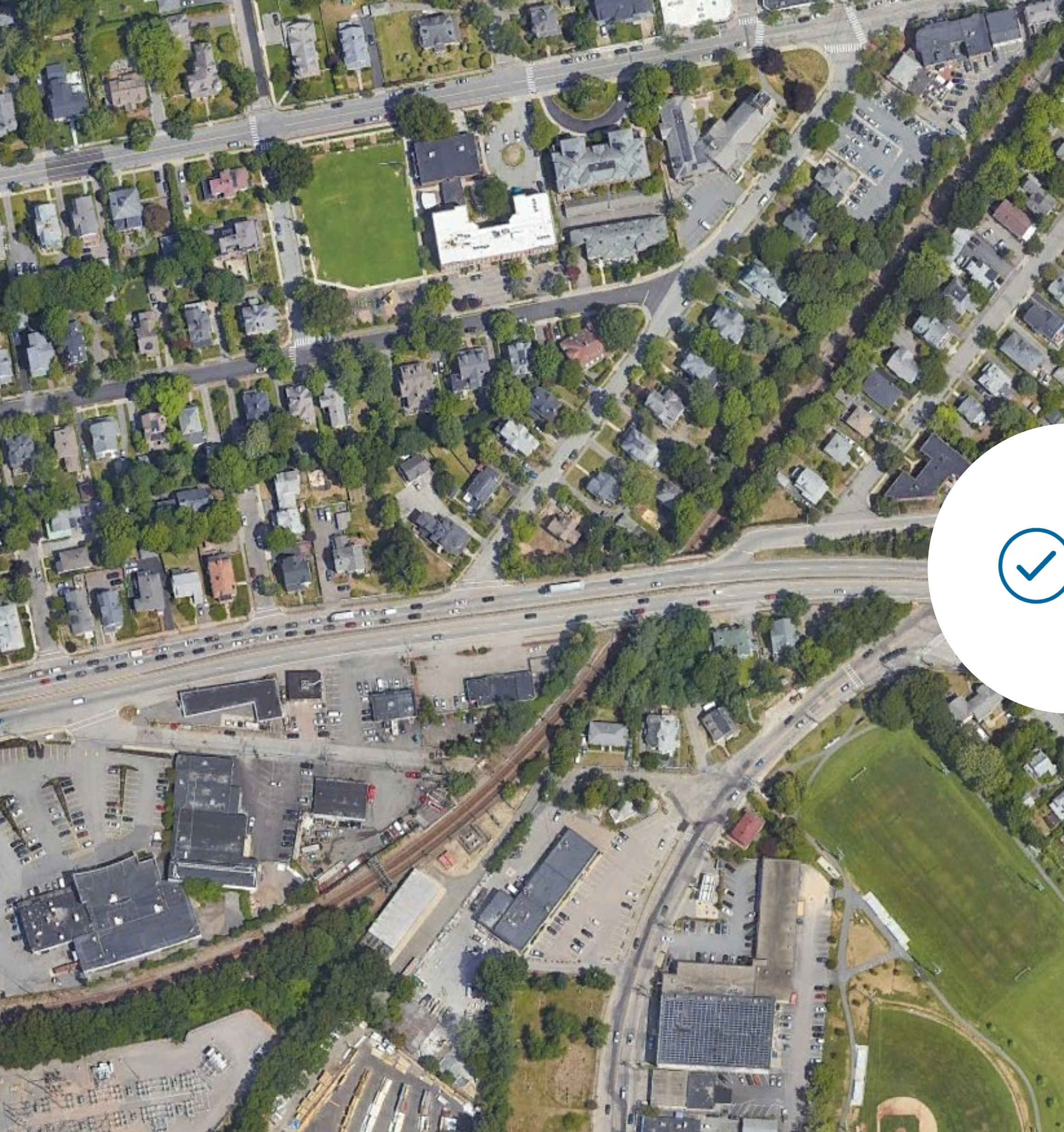
Westbound Sidewalk



# Improve Connecting Sidewalks and Crossings





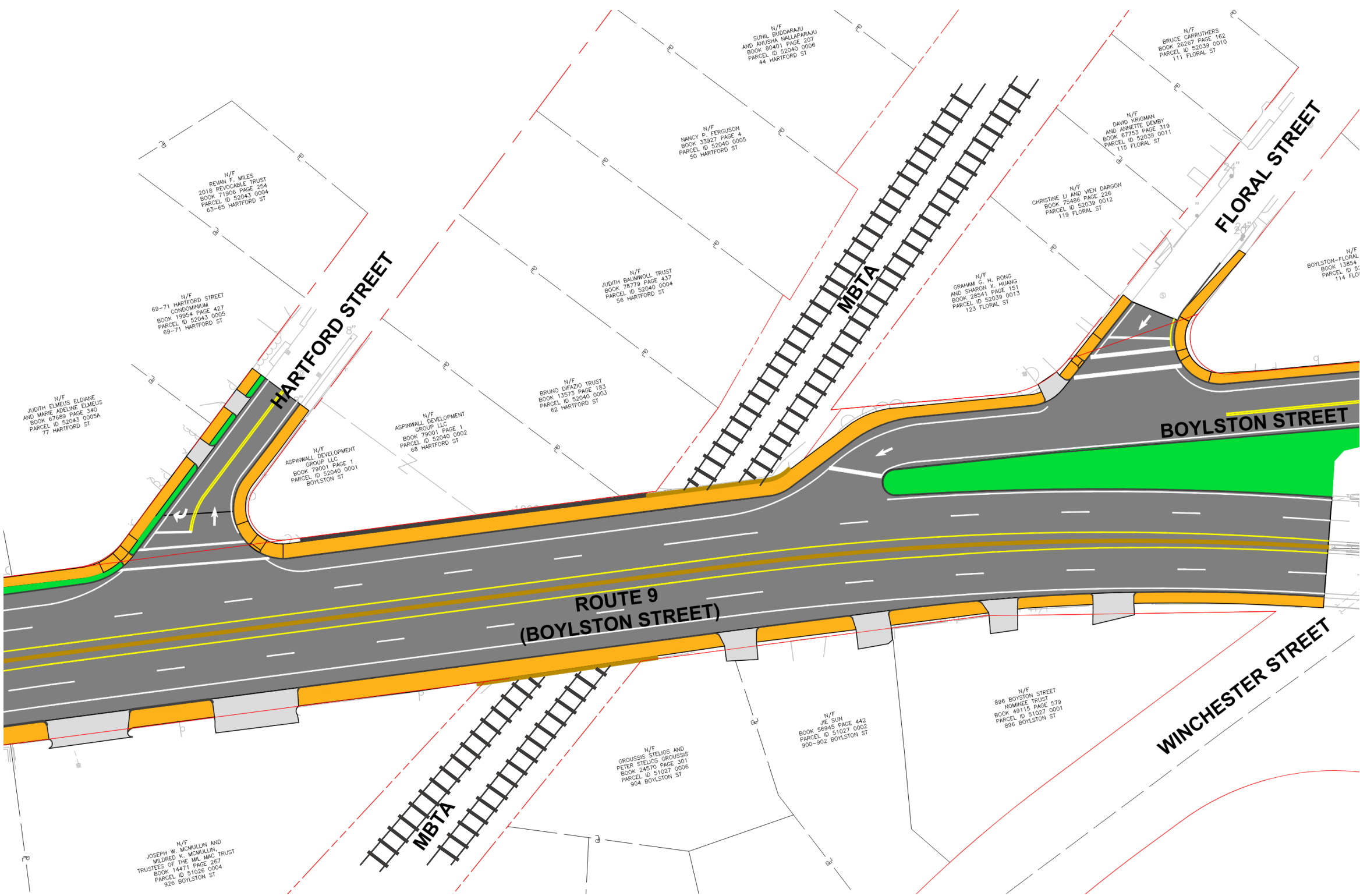


**What is the  
proposed  
design?**



# Roadway Plan

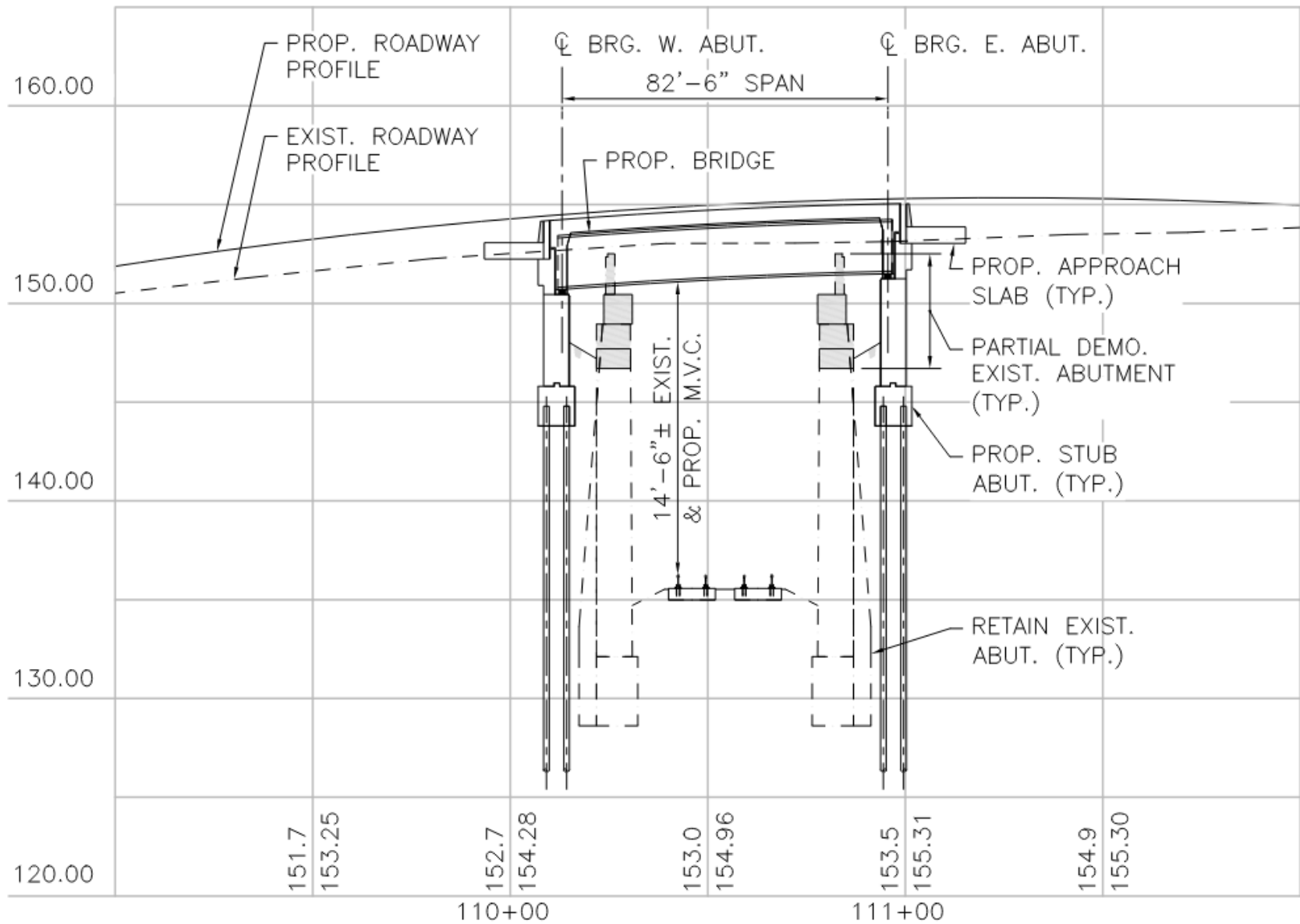
- The proposed alternative maintains existing roadway geometry and bridge width.
- Sidewalk connections are proposed to Hartford Street and Floral Street.
- Driveway re-grading to occur along Route 9 Boylston Street.





# Proposed Bridge Geometry – Bridge Profile

- Approximately 18” profile (roadway elevation) raise to accommodate longer and deeper bridge structure and maintain vertical clearance over the MBTA Green Line below.



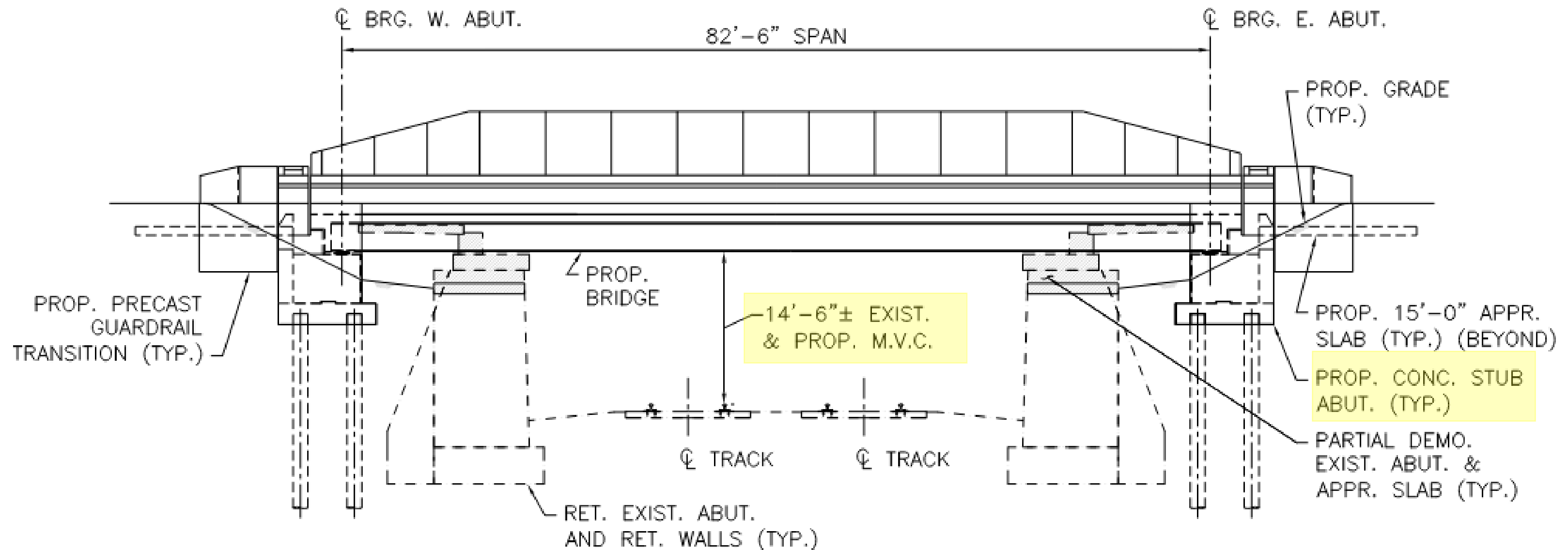
Exist. MBTA Green Line and Clearance Below



Exist. Profile - Looking West over Bridge



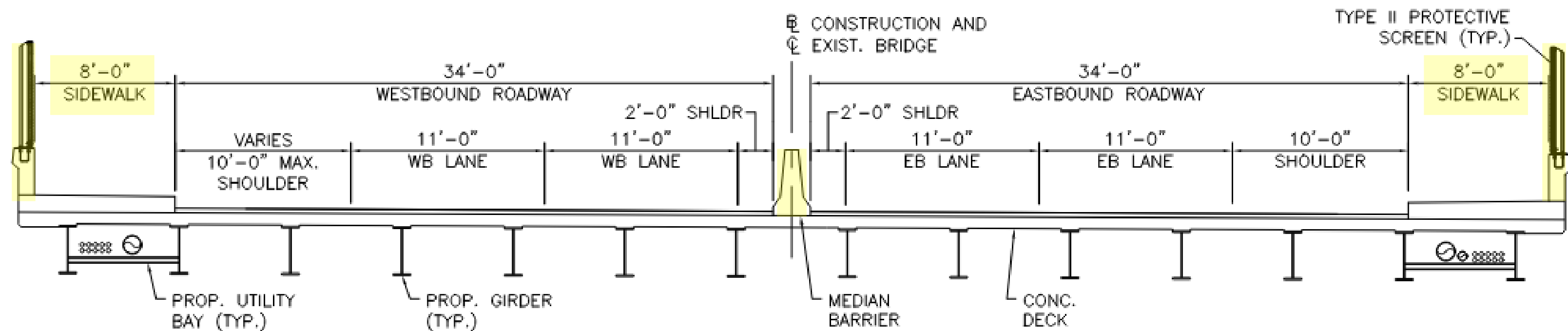
## Proposed Bridge Geometry – South Elevation



- New abutments located behind existing abutments to maintain existing MBTA Green Line corridor and minimize construction duration.
- Match existing vertical clearance over the MBTA Green Line.
- Provide traffic and pedestrian safety features meeting current MassDOT standards



# Proposed Bridge Geometry – Cross Section

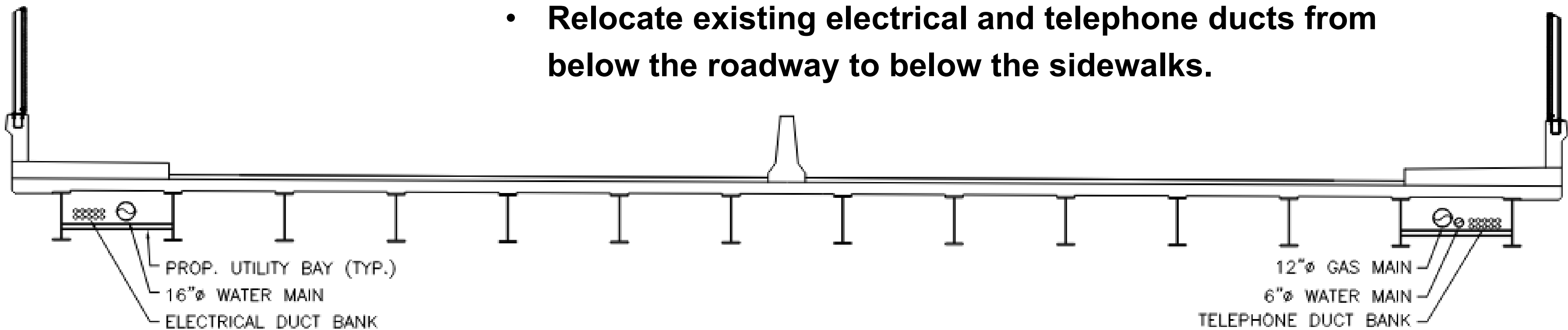


- Match existing roadway width (sidewalk curb to sidewalk curb).
- Match existing bridge width (out to out).
- Standard steel beam with concrete deck bridge type.
- 8'-0" sidewalks without above ground utilities.
- MassDOT standard barriers and screens for traffic and pedestrian safety



# Proposed Utilities

- Relocate existing above ground utilities on the sidewalks below grade.
- Relocate existing electrical and telephone ducts from below the roadway to below the sidewalks.



Existing Westbound Sidewalk



Existing Eastbound Sidewalk



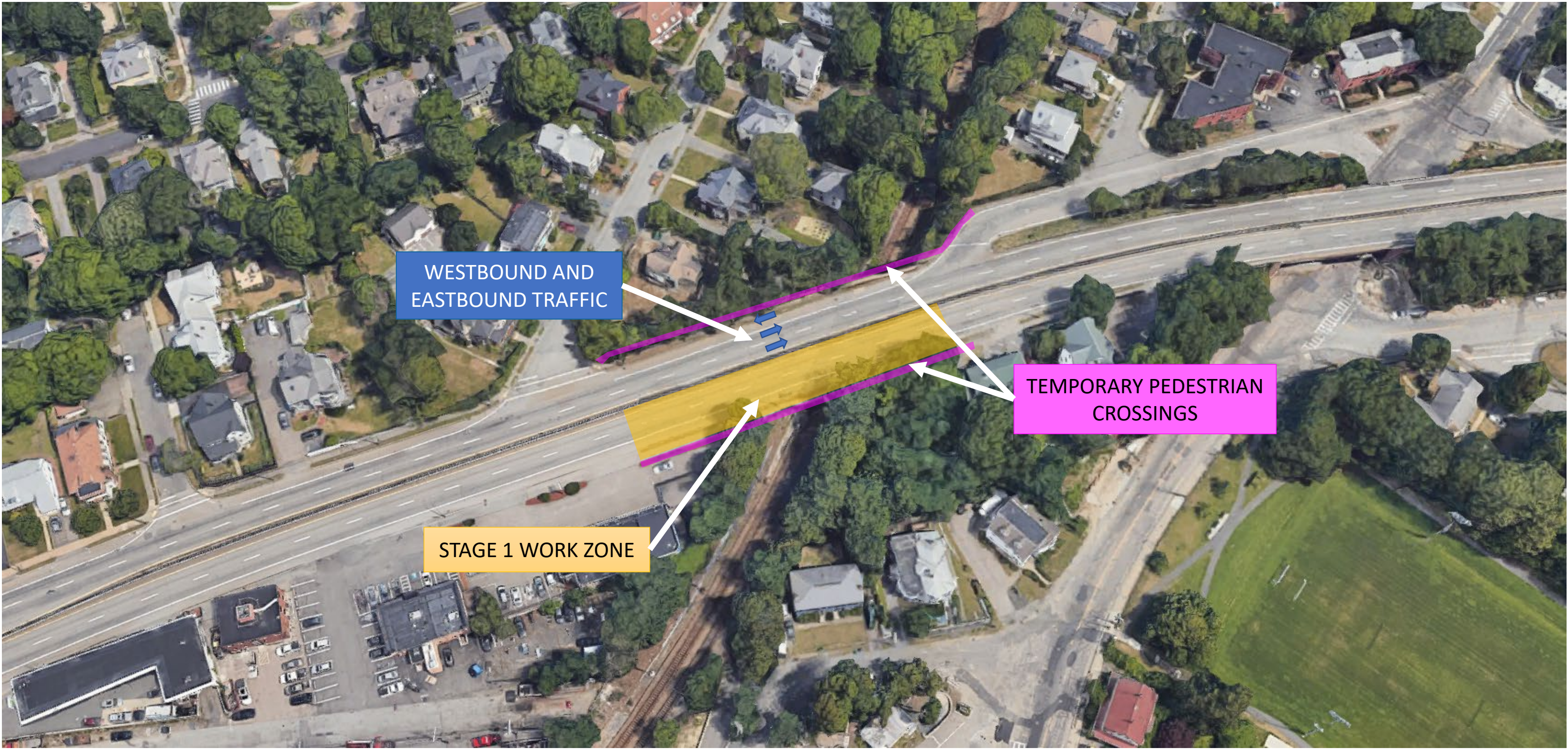


**What is the  
construction  
approach?**



Construction Stage 1

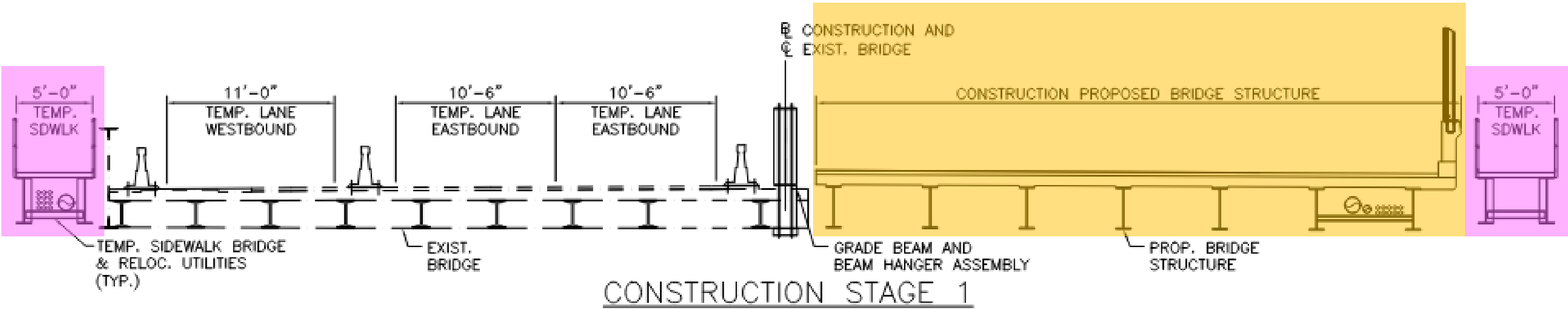
Work zone on eastbound side. Maintain one lane westbound and two lanes eastbound.  
Pedestrians utilizing temporary crossings.





# Construction Stage 1

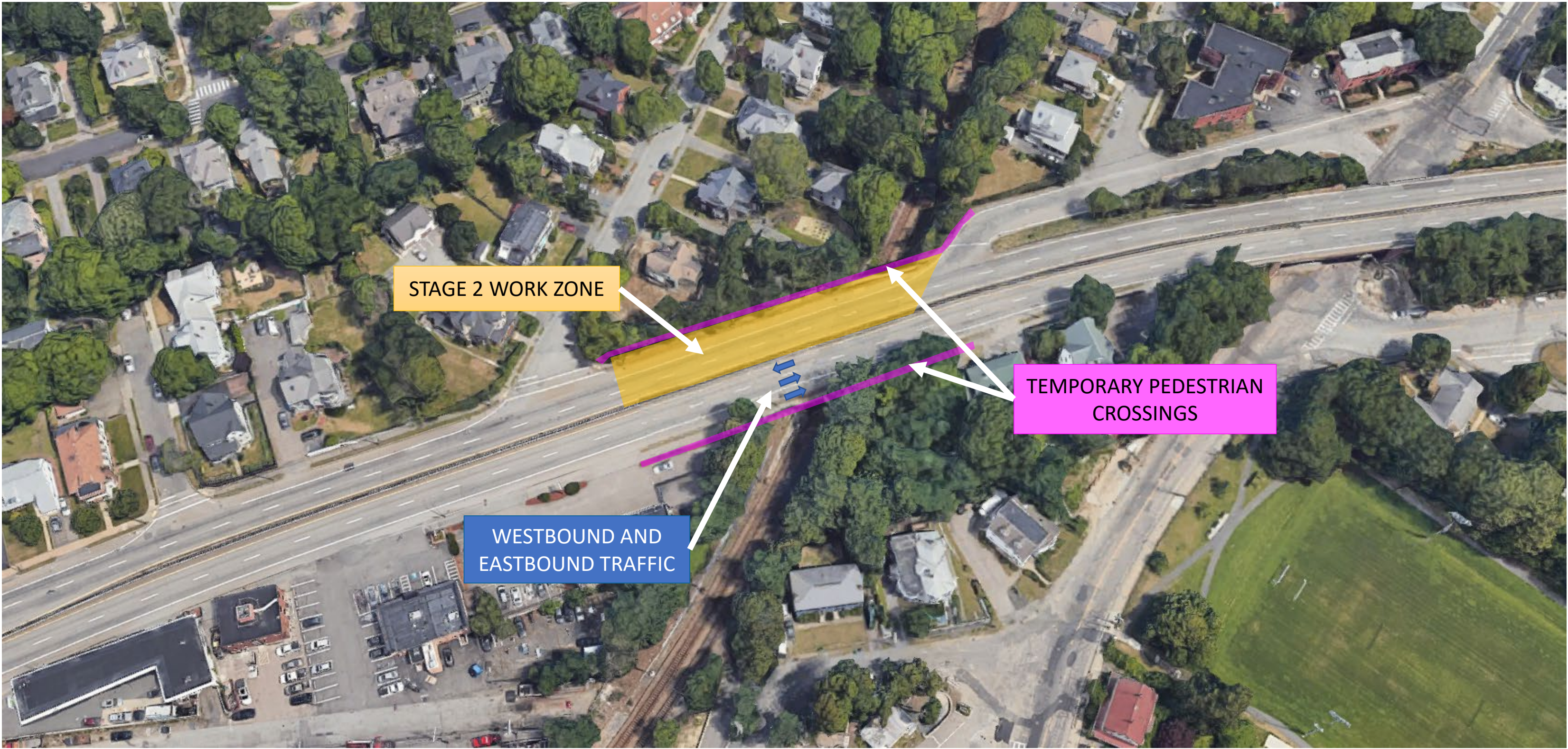
Work zone on eastbound side. Maintain one lane westbound and two lanes eastbound.  
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Construction Stage 2

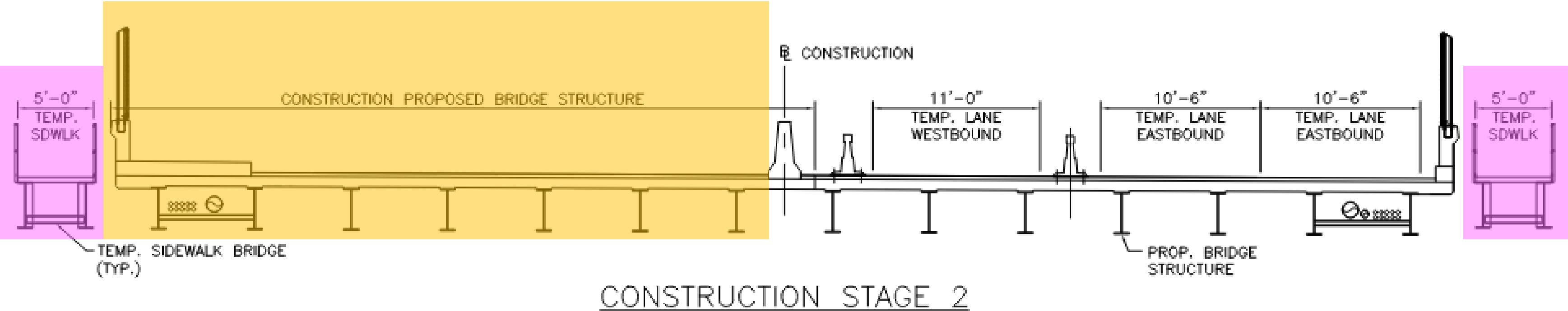
Work zone on westbound side. Maintain one lane westbound and two lanes eastbound.  
Pedestrians utilizing temporary crossings.





# Construction Stage 2

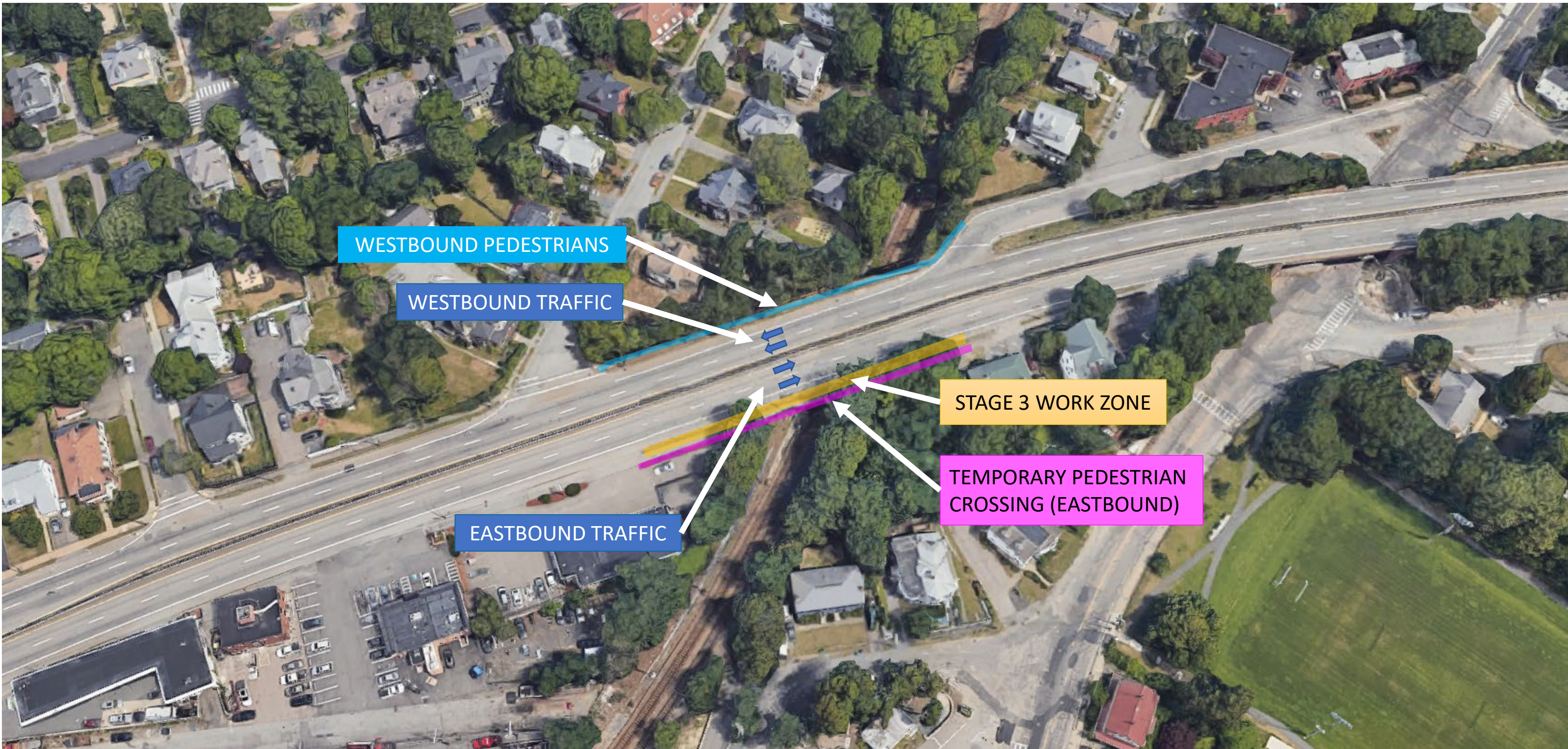
Work zone on westbound side. Maintain one lane westbound and two lanes eastbound. Pedestrians utilizing temporary crossings.





# Construction Stage 3

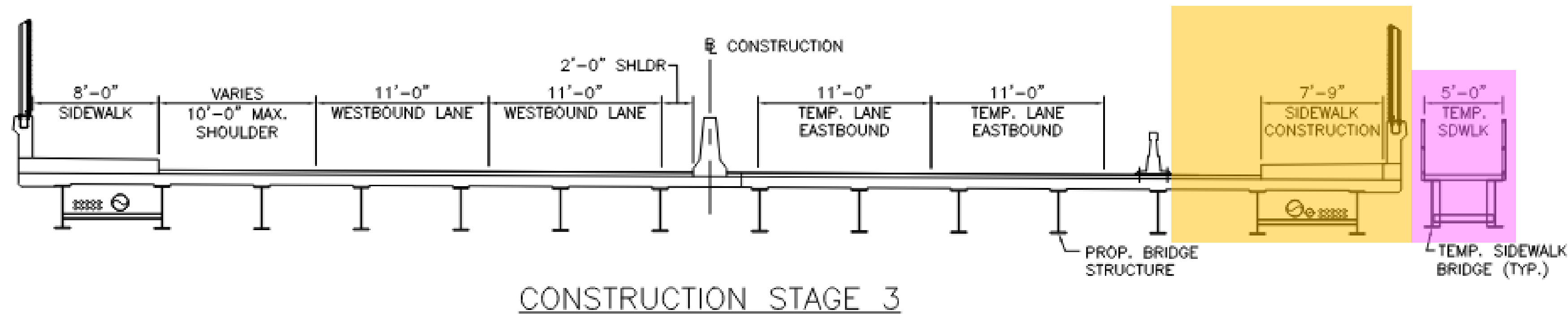
Work zone on eastbound sidewalk. Two lanes of traffic eastbound and westbound in final location.  
Eastbound pedestrians utilizing temporary crossing.  
Westbound pedestrians utilizing final condition sidewalk.





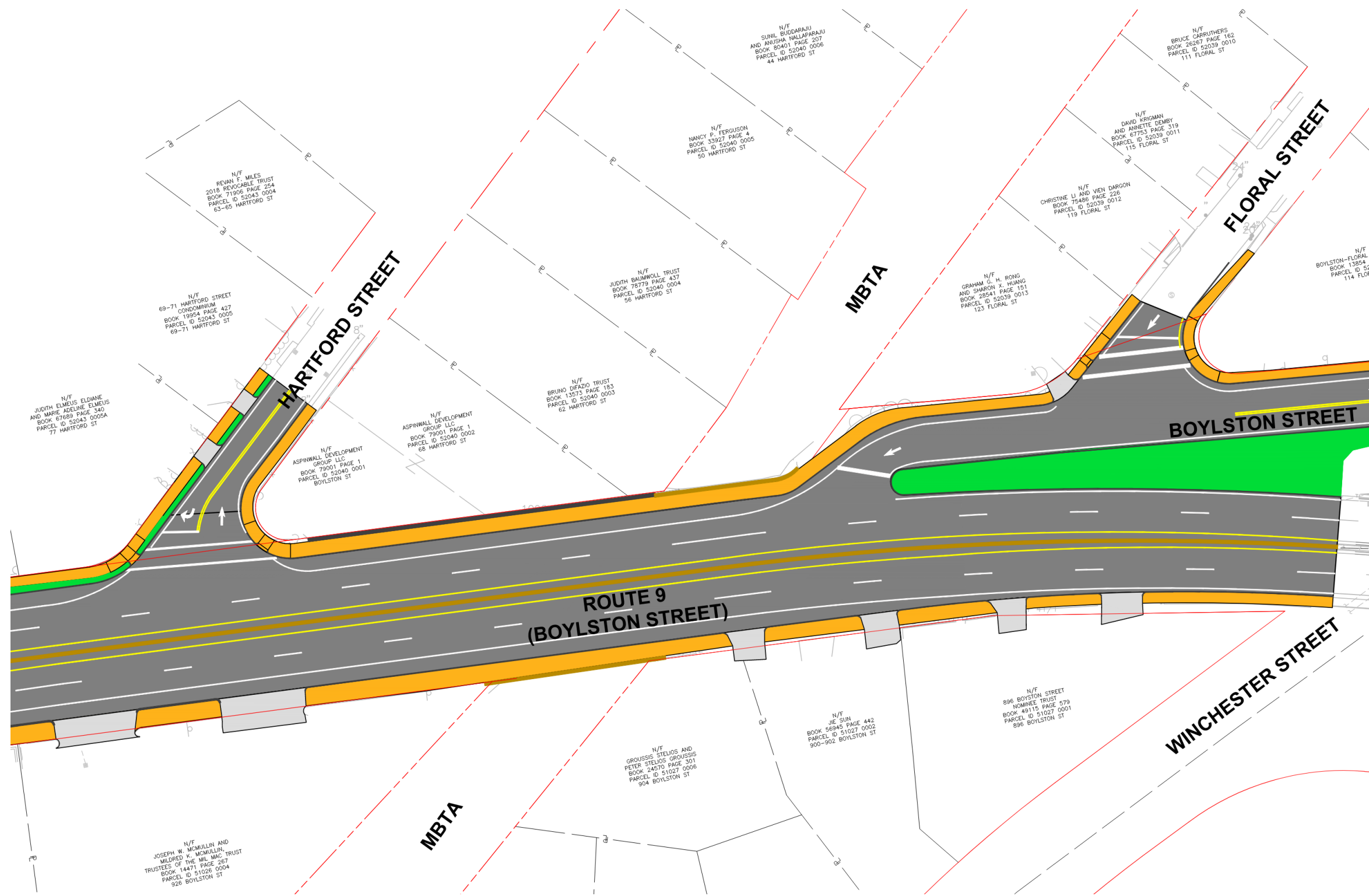
# Construction Stage 3

Work zone on eastbound sidewalk. Two lanes of traffic eastbound and westbound in final location.  
Eastbound pedestrians utilizing temporary crossing.  
Westbound pedestrians utilizing final condition sidewalk.





# Proposed Final Condition







**What are our  
next steps?**



# Next Steps in the Design Process



Public Informational  
Hearing

*Winter 2024*



25% Design Submittal

*Spring 2024*



Design Public Hearing

*Summer 2024*



Final Design

*Spring 2025*



Advertise and Award  
Construction Contract

*Winter 2025*





**How will we  
keep you  
informed?**



## How to reach us

- Submit email comments to:  
[MassDOTProjectManagement@dot.state.ma.us](mailto:MassDOTProjectManagement@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 Lavallee, P.E., Chief Engineer  
MassDOT  
10 Park Plaza  
Boston, MA 02116  
Attention: PROJECT MANAGEMENT, PROJECT FILE NO. 612182
- 25% Design Public Hearing Meeting Anticipated for Summer 2024







**Questions and  
answers**



# Share Your Questions and Comments



Chat



- Submit your questions and comments; (Alt + H)
- “Raise your hand” to be unmuted for verbal questions; (Alt + Y)
- 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 moment to take the survey on your experience after this meeting

**Please be advised that all comments are subject to disclosure for public records, therefore use these functions for project-related business only.**





# ***Thank You***

## *Bridge Replacement on Route 9 Over the Green Line*

Wednesday, February 7<sup>th</sup> | 6:00 – 7:00 PM

Project File No. 612182

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