

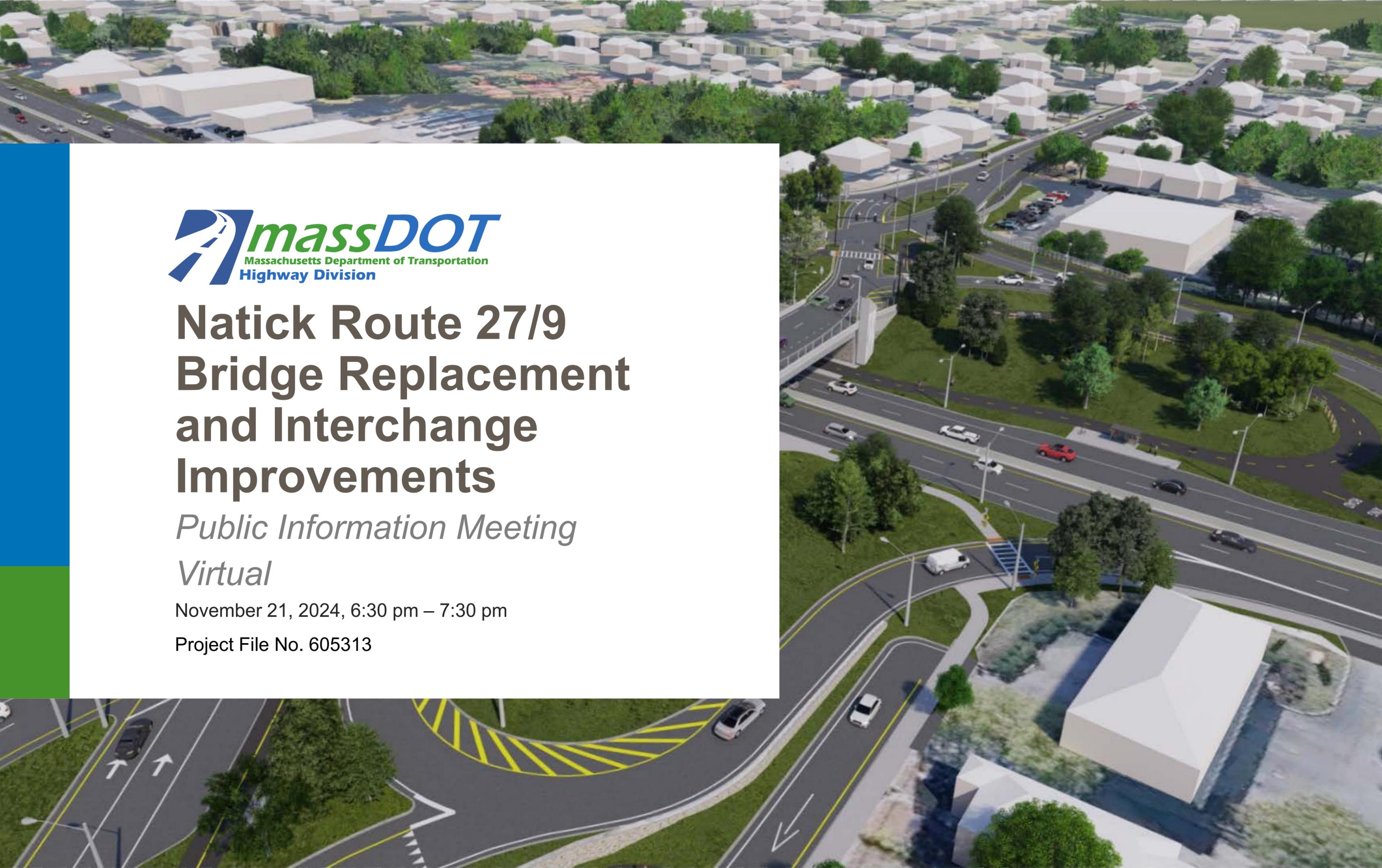


# Natick Route 27/9 Bridge Replacement and Interchange Improvements

*Public Information Meeting  
Virtual*

November 21, 2024, 6:30 pm – 7:30 pm

Project File No. 605313



# Public meeting notes and procedures

## Notification of video recording

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

## Important notes

- The meeting will be open to questions and answers at the end of the formal presentation.

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

# Zoom Webinar Controls for Meeting



- Ask a question and share comments



- Drop down menu to check microphone and speakers



- 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 1 646 876 9923, Webinar ID: 849 5168 7560



- Closed captioning automatically generated by Zoom

Live Transcript



- 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: 617-721-0767**



## 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

- 01** Introductions
- 02** Project Background
- 03** Overview of Project Design
- 04** Project Schedule and Upcoming Construction
- 05** Public Involvement Plan
- 06** Questions and Answers

# Introductions

## Project Contacts

Personnel	Organization	Role
Mustafa Sadeq	MassDOT	Design-Build/Major Projects Engineer
Jean-Pierre Telemaque	MassDOT	Assistant Construction Engineer – Alternative Delivery
Adam Cline	MassDOT	Resident Engineer
Joseph Frawley	MassDOT	District 3 Operations Engineer
Daniel Racicot	MassDOT	Legislative Affairs
Miranda Briseno	MassDOT	Programs Coordinator
Hung Pham	MassDOT	Programs Coordinator
Tim Pybus	McCourt Construction, McCourt-Jacobs	Project Manager
Chris Howard	GPI	Design Manager

## Public Involvement, Project Contacts

Personnel	Organization	Role
Billy Parent	HNTB/MassDOT	Team Lead – Public Involvement
Emily Wood	HNTB/MassDOT	Public Outreach Coordinator
Robert Nies	McCourt Construction, McCourt-Jacobs	Design-Build Coordinator

# Project Location, Existing Conditions



ROUTE 9



65,000  
Vehicles / Day



ROUTE 27



23,000  
Vehicles / Day



# Project History



# Project Needs & Goals

 Bridge Replacement

 Increase Safety

 Improve Mobility

 Improve Congestion



# Project Background

## Traffic safety, Reducing Crashes

- Eliminates the 'weaving' condition on Route 9 at the Route 27 on/off ramps.
- Reduces the number of on/off ramps.
- Provides deceleration/acceleration lanes on Route 9, eliminating the stop or yield at the end of Route 9 ramps.

## Multi-Modal Accommodations, Pedestrian/Cyclist Safety

- Provides a continuous, ADA compliant pedestrian and cyclist route.
- Addresses gaps in connectivity to the Lake Cochituate Trail, MathWorks campuses, and local schools.
- Improves crossings and provides pedestrian-actuated warning systems.



*A rendering of the future westbound Route 9 and off-ramp to Route 27.*



*A rendering of the future transit and pedestrian accommodations on Route 27.*

# Project Background

## Bridge Clearance

- Addresses bridge clearance compliance, raising the profile of Route 27.
- Replacing the bridge 'in-kind' would perpetuate this non-compliance.



*A rendering of the future eastbound Route 9, shared-use path, and Route 27 bridges.*

## Construction Staging

- The design allows for traffic to be maintained on Route 27 and Route 9 during construction.
- Avoids a temporary bridge being installed during construction.



*A rendering of Route 9 under the future Route 27 bridges.*

# Project Delivery



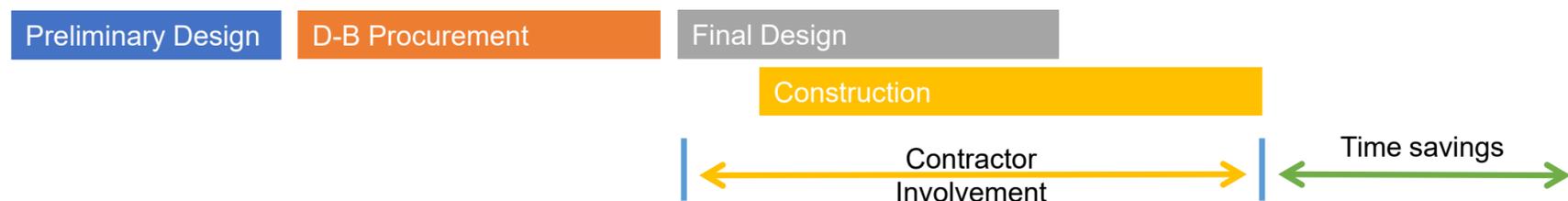
## Background

- The preliminary modified diverging diamond design was presented to the public in June 2023.
  - The project was advertised for design-build project delivery through a Request for Proposals (RFP).
  - The preliminary design is the “base technical concept”, which the design-build team must meet or exceed.
- \$99 M Best Value Design-Build Award – McCourt Construction and Jacobs Engineering

## Design-Build Method

- Combines design and construction services in a single contract
- Allows the contractor and designer to work together on all phases of the project
  - Promotes innovation, reduces owner’s project risk, expedites project delivery

### Design-Build (DB)



### Design Bid Build (D-B-B)





# Overview of Project Design

# Design Options Evaluated

Single Point Urban Interchange



Signalized 'Circle'



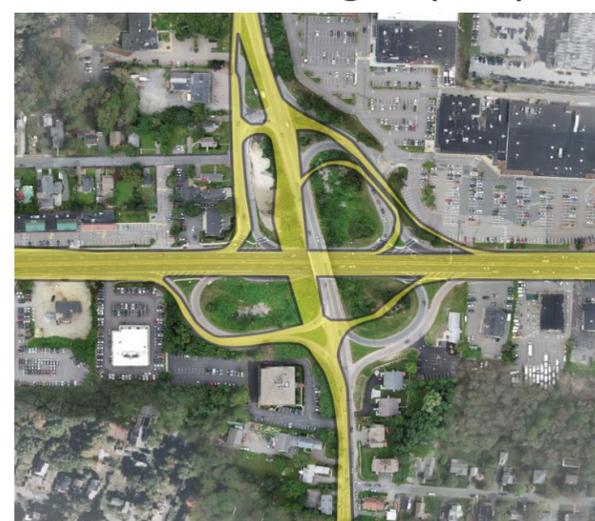
'Teardrop' Interchange



Partial Cloverleaf Interchange (V1)



Partial Cloverleaf Interchange (V2)

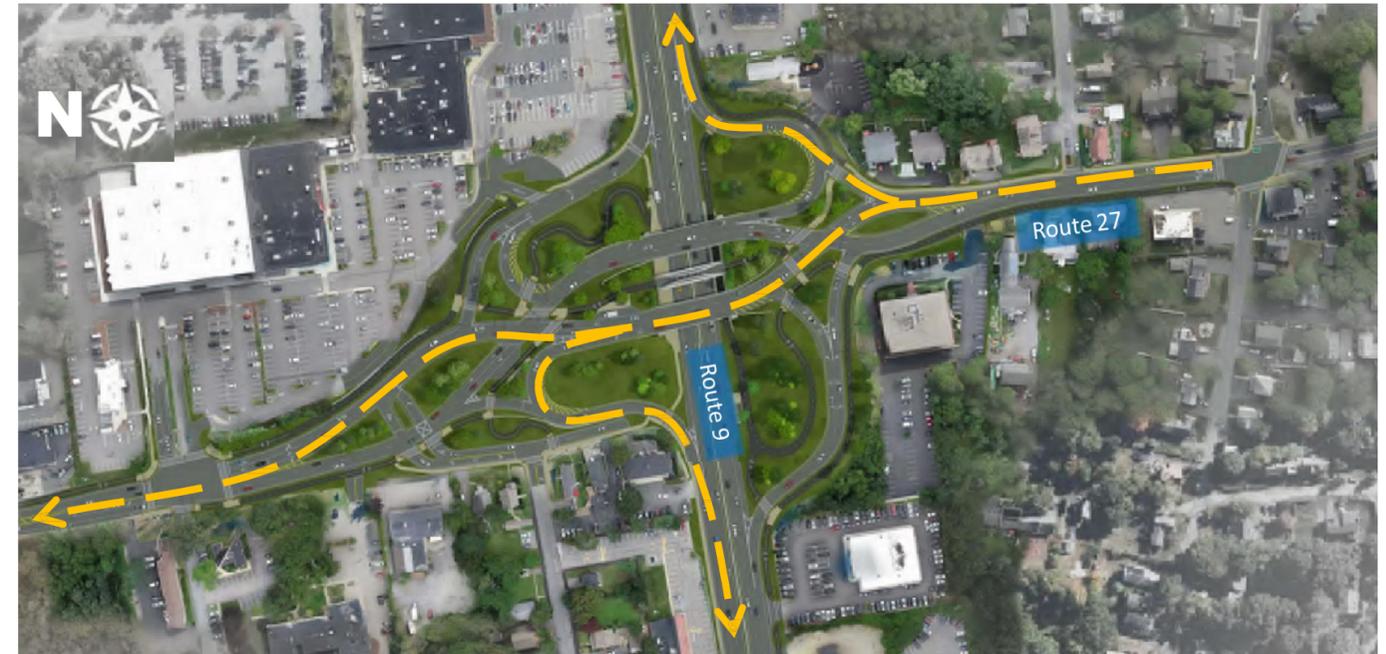


Dual Roundabout Interchange



# Diverging Diamond - Bridge and Safety Improvements

- Replace the existing structurally deficient Route 27 bridge over Route 9 and reconfigure the interchange to be a modified Diverging Diamond that will increase safety, improve mobility, and ease congestion.
- The existing Route 27 bridge will be replaced by two bridge structures, one for each direction of traffic.



Above: RT 27 NB – Vehicle Flow



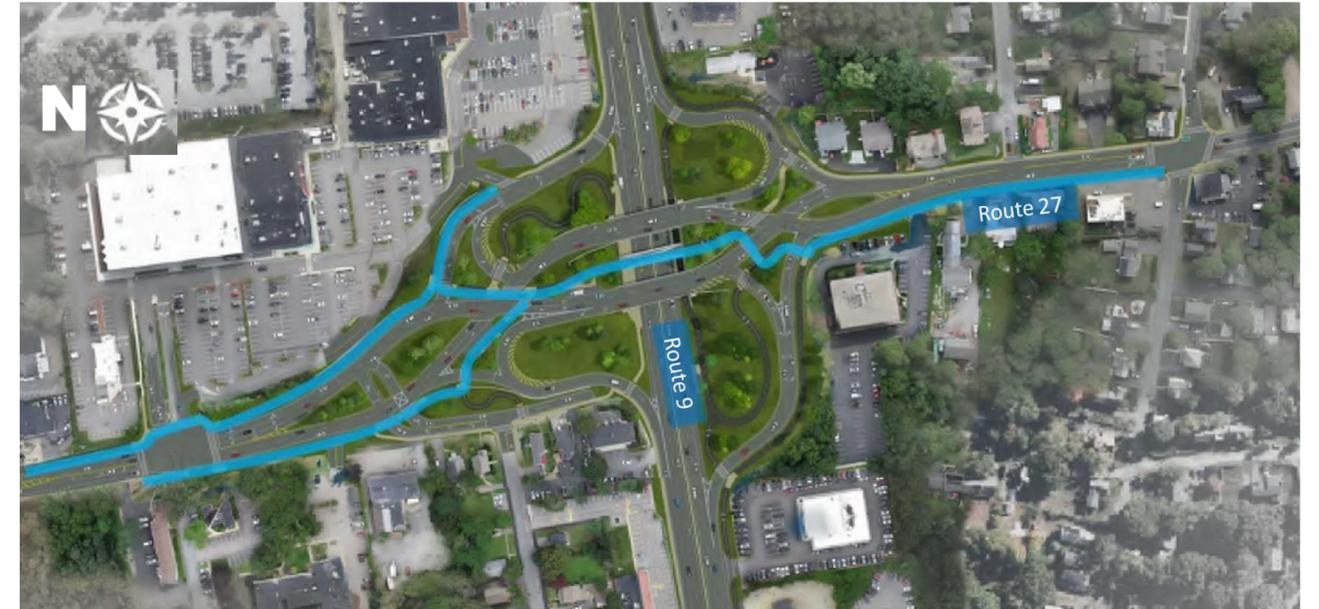
Above: RT 27 SB – Vehicle Flow



Above: RT 9 – U-Turns

# Bicycle and Pedestrian Accommodations

- The project includes a network of shared-use paths and a dedicated bridge over Route 9 for use by pedestrians and cyclists which will provide connectivity to schools, transit, major employers as well as a regional rail trail.



Above: Route 27 SUP Network.



Above: Rendering of the Route 27 SUP bridge.



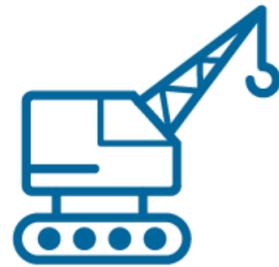
Above: Route 9 SUP Network

# Modified Diverging Diamond – Multi-Modal Accommodations

Bicycle/Pedestrian Network  
4 New Proposed Bus Stops 

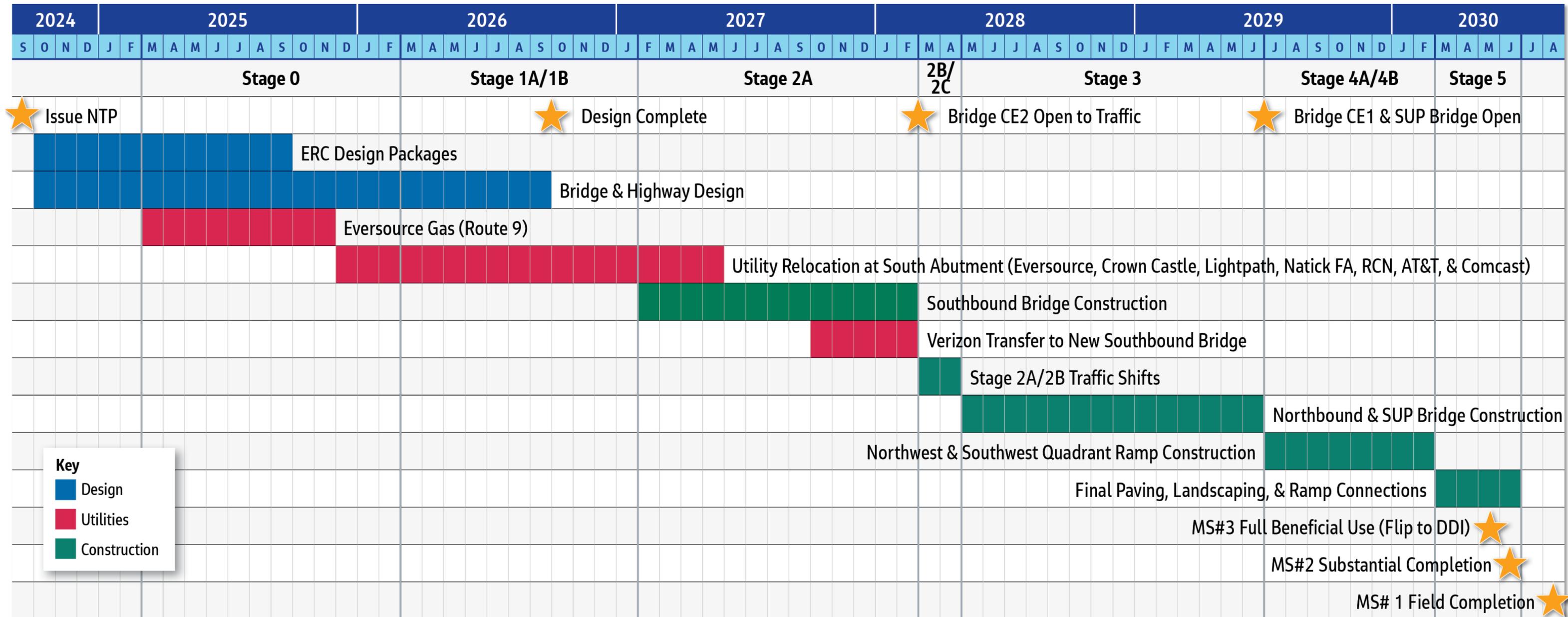
Shared Use Path =   
Sidewalk =   
Bus Stop = 





**Upcoming  
Construction**

# Design-Builder Project Schedule



**Key**

- [Blue Box] Design
- [Red Box] Utilities
- [Green Box] Construction

*Note: this schedule is subject change.*

**Acronyms**

NTP = Notice to Proceed	MS # 1 = Field Completion
ERC= Early Release Construction	MS # 2 = Substantial Completion
CE 1 = East Bridge	MS # 3 = Beneficial Use
CE 2 = West Bridge	SUP = Shared Use Path



# Construction Staging Requirements

- Maintain pedestrian, bicycle, vehicle, emergency, school bus, and delivery access during all stages.
- Coordinate reconstruction of commercial and residential driveways with property owners.
- Communicate with businesses, residents, and stakeholder groups, in advance of and during construction.



# Upcoming Construction

## Stage 0-1, Anticipated December 2024 – May 2026

- **Traffic Management Plan (TMP)**
  - Under development for Stages 0 & 1.
- **Utility Exploration and Borings**
  - Anticipated daytime starting in December along Route 9 by closing the shoulders, and intermittent lane closures on Route 27.



# Upcoming Construction

## Stage 0-1, Anticipated December 2024 – May 2026



- **Utility Work**
  - Eversource Gas Line Relocation on Route 9 with work in breakdown lane and/or nighttime lane closures on Route 9

# Upcoming Construction

## Stage 0-1, Anticipated December 2024 – May 2026



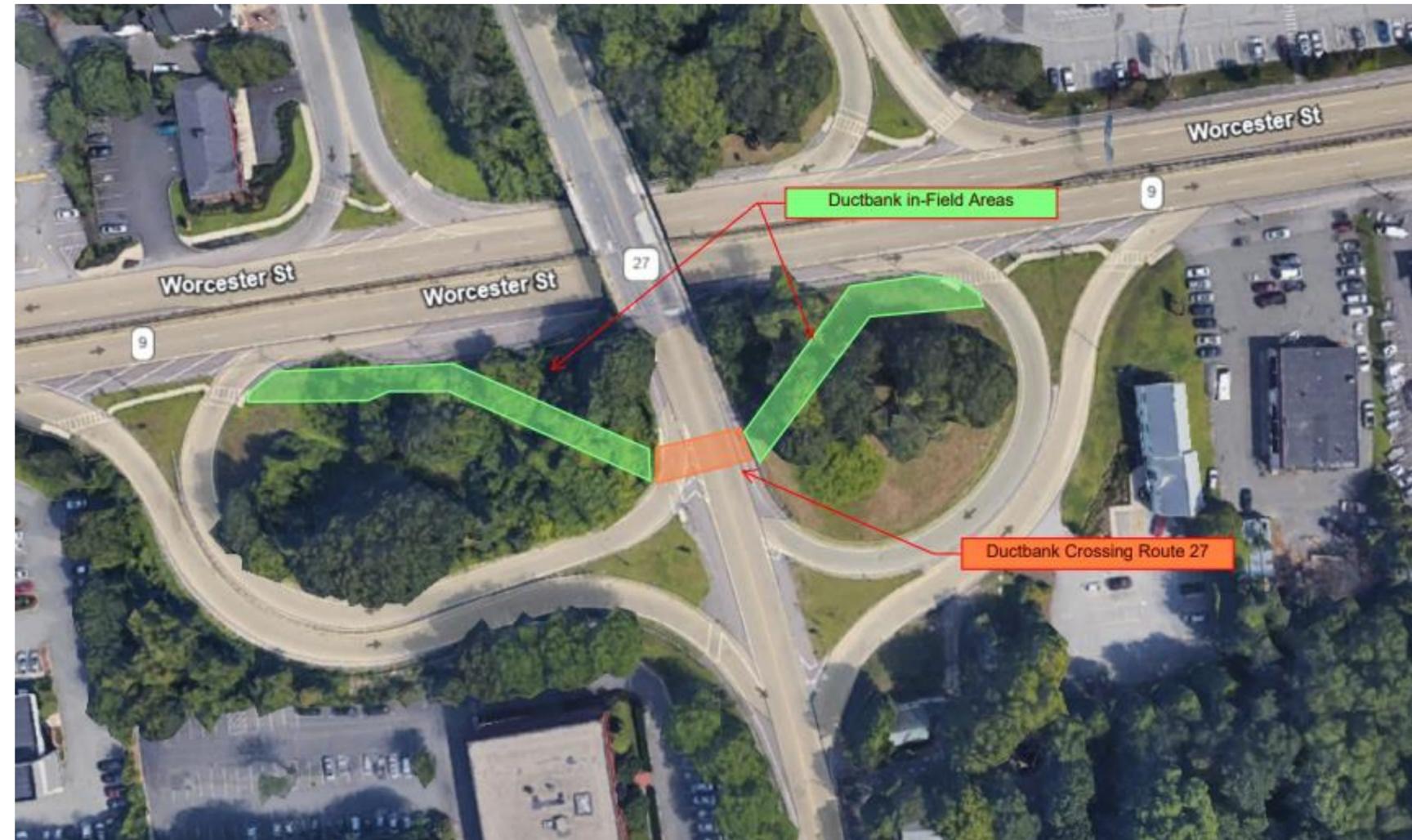
- **Tree and Vegetation Removal and Clearing**
  - Nighttime lane closures on Route 9 and intermittent lane closures on Route 27

# Upcoming Construction

## Stage 0-1, Anticipated December 2024 – May 2026

- **Maintenance of Traffic**

- Stage 0:
  - Overhead to underground utility relocation along 9 EB and across Route 27 at proposed bridges south abutment. Intermittent lane closures on Route 27.
- Stage 1A & 1B:
  - Removal of Route 9 median, paving median and temporary barrier installation with nighttime lane closures on Route 9
  - Paving of Route 27 in-fields for future temporary ramps with intermittent lane closures.
  - Stone Masonry Wall (Partial) at 190 North Main Street to facilitate staging plans. Most work occurs off the roadway.
  - Construction of temporary ramps for future stages



# Construction Staging Examples – Stage 1A

## May 2026 – January 2027



**KEY:**  (red hatch) = WORK ZONE

# Construction Staging Examples – Stage 1B

## October 2026 – November 2026



**KEY:**  (red hatch) = WORK ZONE

# Project Landscaping



- **Left:** A rendering of approximate future landscaping locations. Landscaping will be done with local and native plants and trees of varying types.
- **Right:** Examples of existing in-field trees and vegetation along the westbound Route 9 off-ramp.



**Public  
Involvement,  
Abutter  
Coordination**

# Public Involvement Plan

- **Stakeholder List**
  - Town/First Responder Contacts
  - Businesses, Residents, Stakeholder Groups
  - Continually updated throughout the Project.
- **Abutter Coordination Meetings**
  - Property Impacts
  - Traffic Impacts
- **PIM's**
  - Anticipated twice per year.
- **Legislative and Municipal Briefings**
  - Anticipated quarterly or as-needed.
- **Third-Party Coordination**
  - Collaboration with Town of Natick
  - First-Responders
  - Adjacent projects
  - MWRTA Coordination
- **Notification Materials**
  - Flyers
  - Newspaper Ads
  - Press Advisories
  - Social Media



## Public Information Meeting Natick – Route 27 over Route 9 Interchange

### What is happening?

A live Virtual Public Information Meeting will be hosted on the MassDOT Website below to present an update regarding the bridge replacement and interchange improvement project at the Route 27 and Route 9 interchange in Natick, MA. The purpose of this meeting is to update the public on the status of the proposed bridge replacement project and interchange improvements. There will be information on the project background, the project design, the schedule and construction phasing, public involvement, and next steps. All views and comments will be reviewed and considered to the maximum extent possible.

### How will this affect you?

The project consists of replacing the structurally deficient Bridge No. N-03-020 which carries North Main Street (Route 27) over Worcester Street (Route 9) and includes the reconfiguration of the interchange to a modified Diverging Diamond Interchange (DDI) configuration. The reconfiguration will provide safety improvements, reduced traffic congestion through the interchange, and improved bicycle and pedestrian facilities using separated shared use paths and sidewalks. The project length is approximately 3,850 feet along Route 9 and 2,120 feet along Route 27. The work will also include transit stops along Route 27 and Route 9 along with reconstructed sidewalks, drainage improvements, traffic signals, retaining walls, utility relocations, signing, roadway lighting, and landscaping.

### When

**Thursday, November 21<sup>st</sup>, 2024**  
**6:30 - 7:30 PM**

### Attend

[Register here](#), or please scan the QR Code.



For more information on the project, please visit <https://mass.gov/NatickRoutes27and9>

## Public Involvement Plan

BRIDGE REPLACEMENT, N-03-020 ROUTE 27 (NORTH MAIN STREET) OVER ROUTE 9 (WORCESTER STREET) AND INTERCHANGE IMPROVEMENTS

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION  
UPDATED NOVEMBER 6, 2024



To ensure its meetings are accessible, MassDOT reasonably provides: translation, interpretation, modifications, accommodations, alternative formats, and auxiliary aids and services. To request such services, please contact MassDOT's Chief Diversity and Civil Rights Officer at 857-368-8580 or [MassDOT.CivilRights@dot.state.ma.us](mailto:MassDOT.CivilRights@dot.state.ma.us). For adequate time to process such request, please make them as early as possible, ideally 10-15 days prior to the event.

Project inquiries may also be emailed to [massdotmajorprojects@dot.state.ma.us](mailto:massdotmajorprojects@dot.state.ma.us). Please submit any written statements regarding the proposed undertaking to: **Carrie A. Lavallee, P.E., Chief Engineer, MassDOT, 10 Park Plaza, Boston, MA 02116, Attention: MAJOR PROJECTS, PROJECT FILE NO.**



# Stay Connected!

- **Project Hotline**
  - Available 24/7
  - Phone Number: 305-270-4445
- **Project Email**
  - [Rt27Rt9Natick@dot.state.ma.us](mailto:Rt27Rt9Natick@dot.state.ma.us)
- **Stakeholder Updates**
  - Email updates expected bi-weekly or as-needed.
  - Flyer development/distribution as-needed
- **Web Updates**
  - Project Website:  
<https://mass.gov/NatickRoutes27and9>
  - Fact Sheets/FAQ's
  - PIM Material and Recordings
- **Social Media**
  - Facebook: @massdotinfo
  - X: @MassDOT



# Thank you for your Support!

**Public Notice Published:**

The METROWEST  
DAILY NEWS

**Natick Report**

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**MassDOT Facebook and X:**

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 MassDOT

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**City/Town Departments**





# 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

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