



Randolph Rt. 24 Over Canton Street Bridge Replacements

Public Information Meeting

March 11, 2024 | 6:00 p.m.

Project File No. 612188



Zoom Webinar Controls for Meeting



- Drop down menu to check microphone and speakers



- Raise your hand - *9 for users dialing in



- If you are unable to access the internet or are having technical problems, please call into the meeting at +1 301 715 8592, Webinar ID: 871 5822 0516



Live Transcript

- Closed captioning automatically generated by Zoom



View

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

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[1.888.799.9666]

Audio Settings ^



Raise Hand



Q&A



Live Transcript

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Public Meeting Notes and Procedures

Notification of Recording -This virtual public meeting **will be** recorded. The Massachusetts Department of Transportation may choose to retain and distribute the video, still images, audio, and/or transcript. All parts of this hearing are considered public record.

- By continuing attendance with this virtual public meeting, you consent to participate in a recorded event.
- If you are not comfortable being recorded, please turn off your camera, and keep your microphone muted, or excuse yourself from the hearing.

Other Important Notes

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

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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.

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

Agenda

- 01 Introductions
- 02 Project Background
- 03 Project Overview
- 04 Impacts
- 05 Public Outreach
- 06 Questions & Answers



Project Team

MassDOT Highway Division

- Bridge Owner and Project Proponent
 - Assistant District Construction Engineer: Chuck Labbee
 - Area Engineer: Claude Noailles
 - Resident Engineer: Christopher Ray
 - Legislative Affairs: Dan Fielding
- MassDOT VPI Producers
 - Adetoyin Olaoye
 - Joeseeph Yoo

Northern Construction

- Contractor
 - Project Manager: Dan Huse

TranSystems

- Design Consultant
 - Structural Engineer: Joe Tierney

Howard Stein Hudson

- Public Involvement/Outreach Consultant

Outreach Conducted for Public Meeting

MassDOT created and translated flyer and notice for Public Meeting

- Meeting notice published in local newspapers
 - *Brockton Enterprise* – February 28
 - *Patriot Ledger* – February 28
- English and translated flyers distributed via:
 - MassDOT website
 - Municipal officials of Avon, Braintree, Bridgewater, Brockton, Canton, Easton, Milton, Quincy, Randolph, and Stoughton
 - Posting flyers in public spaces in the above towns
 - Flyering residents within a half mile of bridge
- Elected officials, municipal officials, and emergency services briefed ahead of this meeting



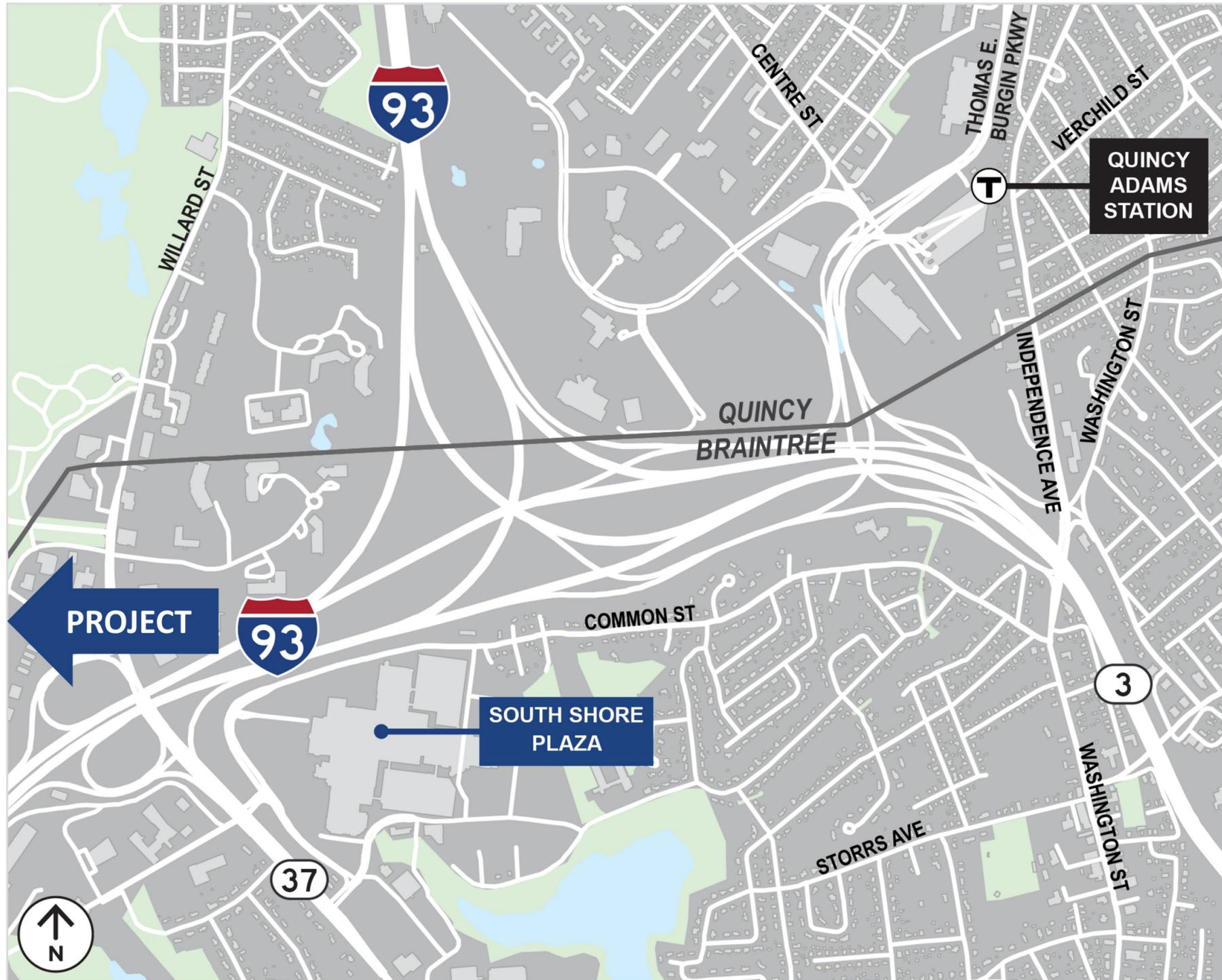
Project Area

- 2 miles of Route 24 in Randolph
- Project lies just south of the I-93/ Route 24 interchange
- Project will impact commuters traveling north and south along Route 24 & east and west along Canton Street
- Local detour will impact communities of Avon, Canton, Randolph, and Stoughton



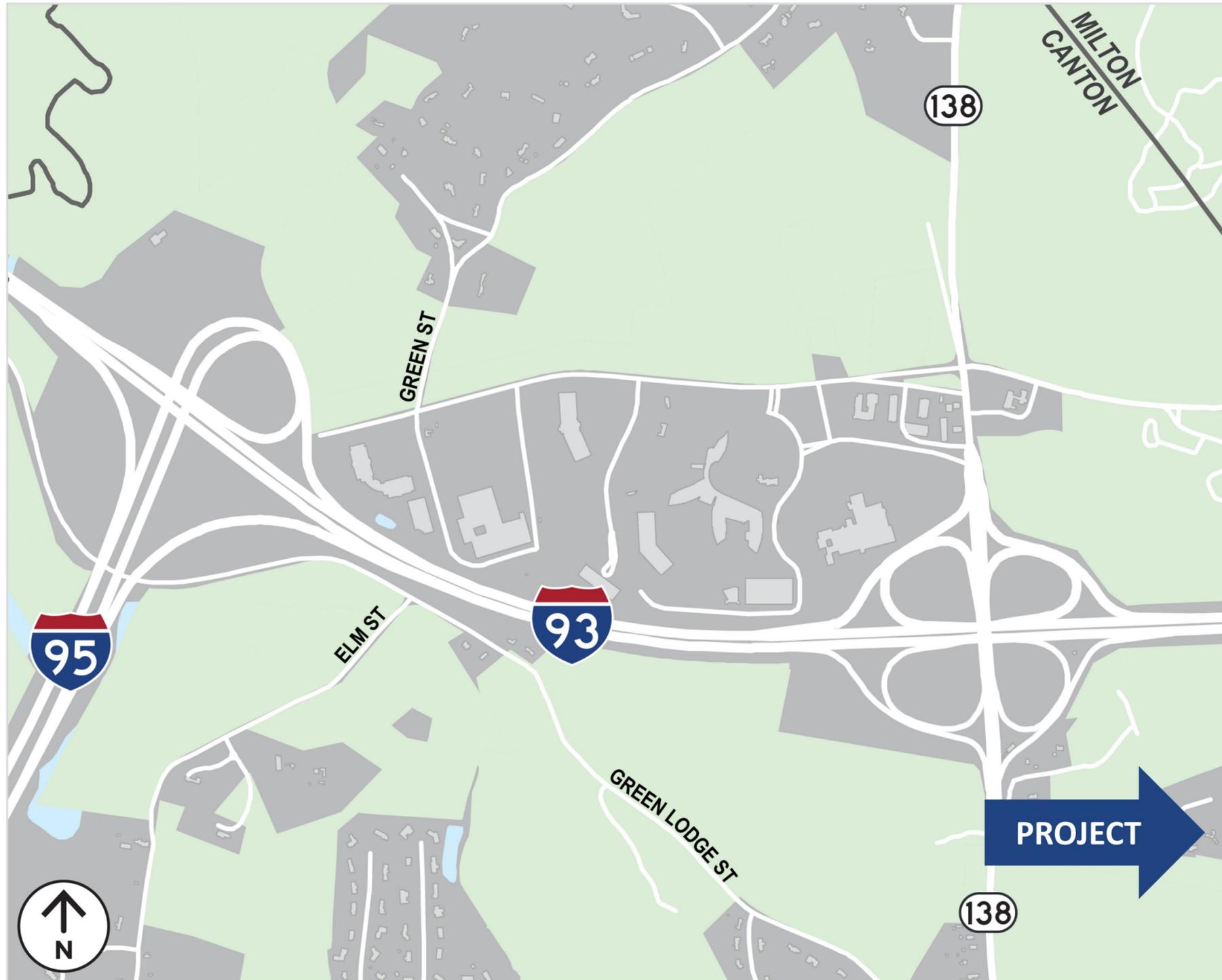
Local Connections

- Adjacent schools
- Route 24
- Route 28
- Route 138
- Route 139
- Braintree
- Canton
- Milton
- Quincy
- Stoughton



Regional Connections (East)

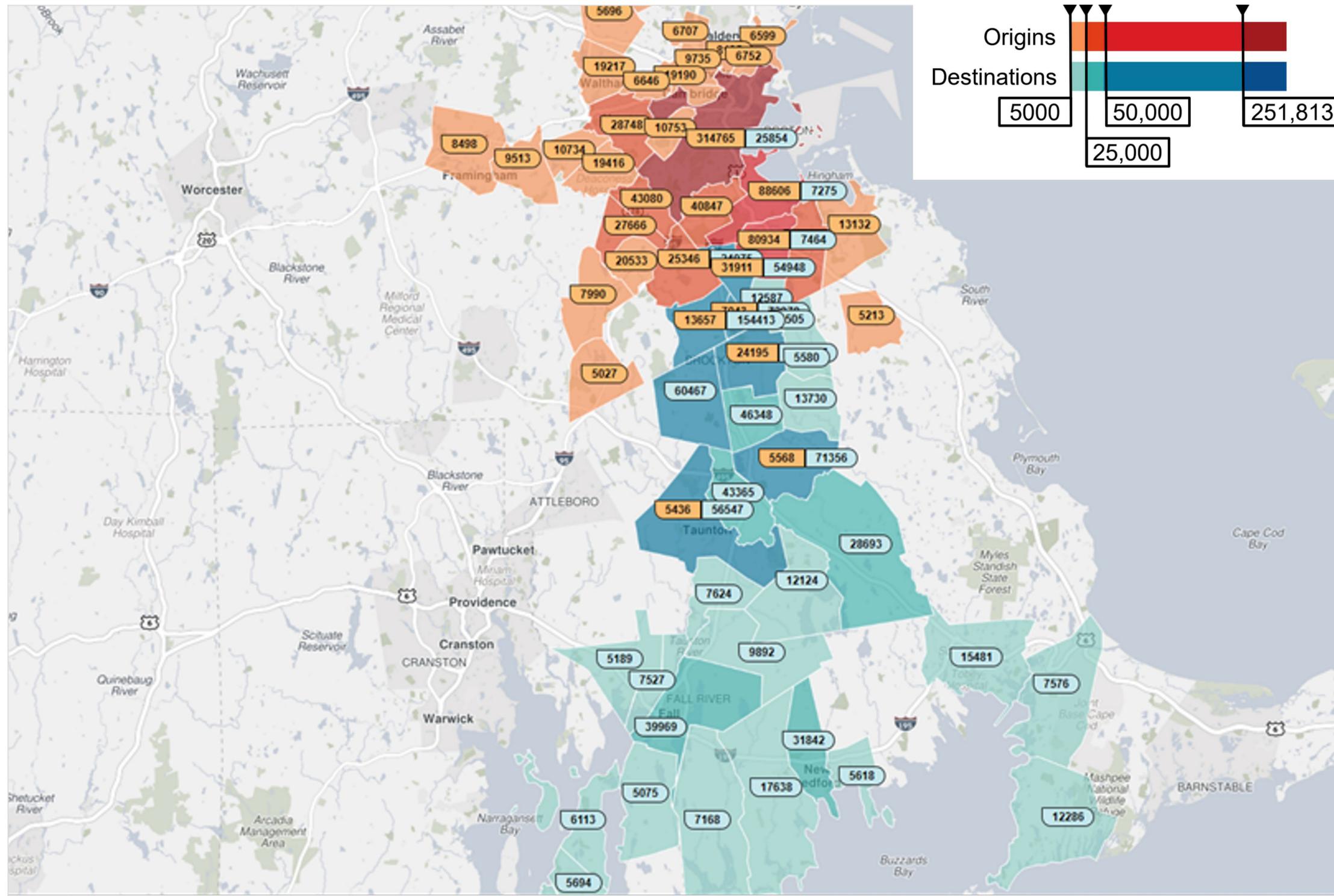
- I-93
- South Shore
- Cape Cod
- Boston
- MBTA Stations



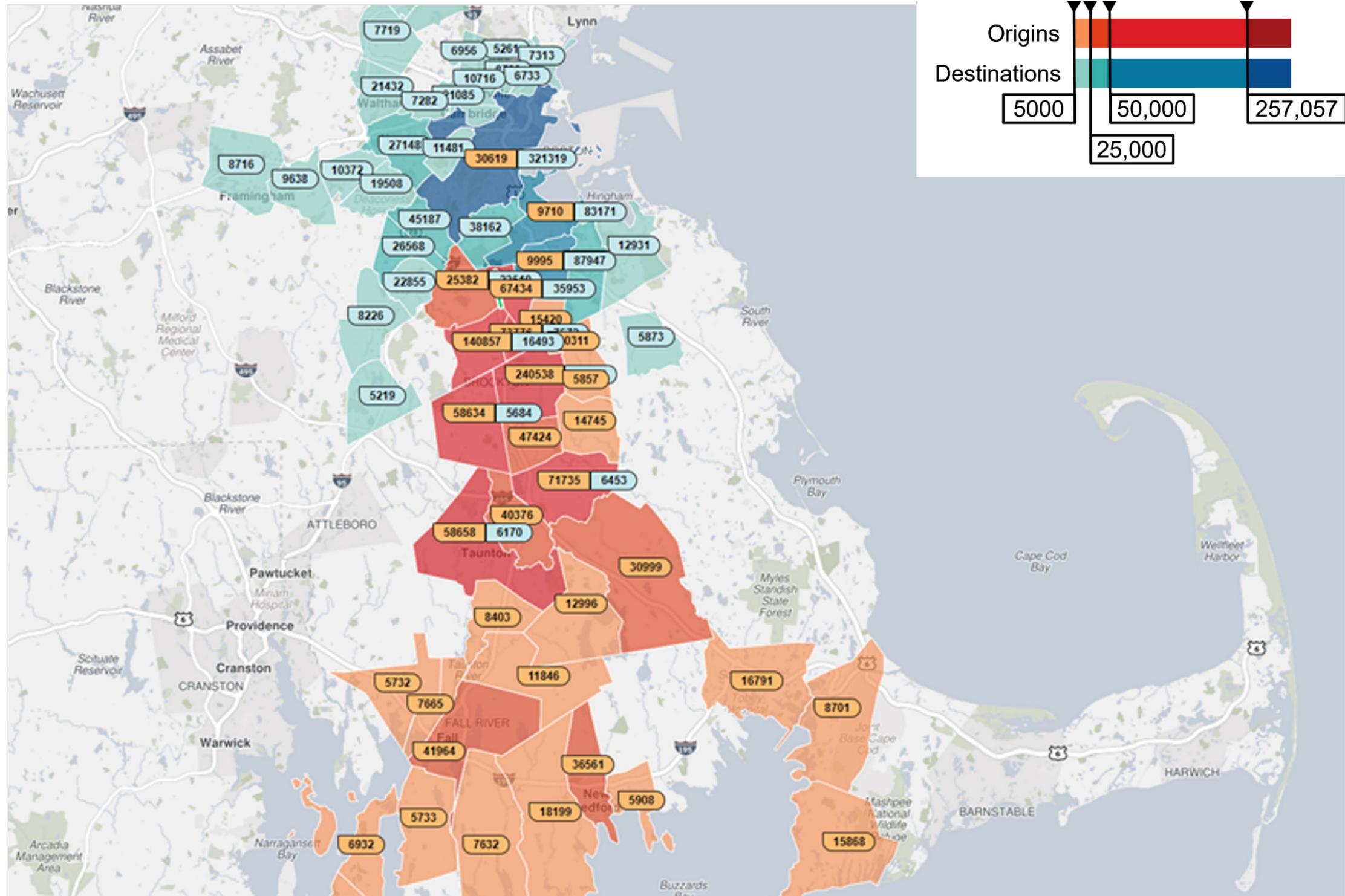
Regional Connections (West)

- I-95
- Metro West
- Central Mass

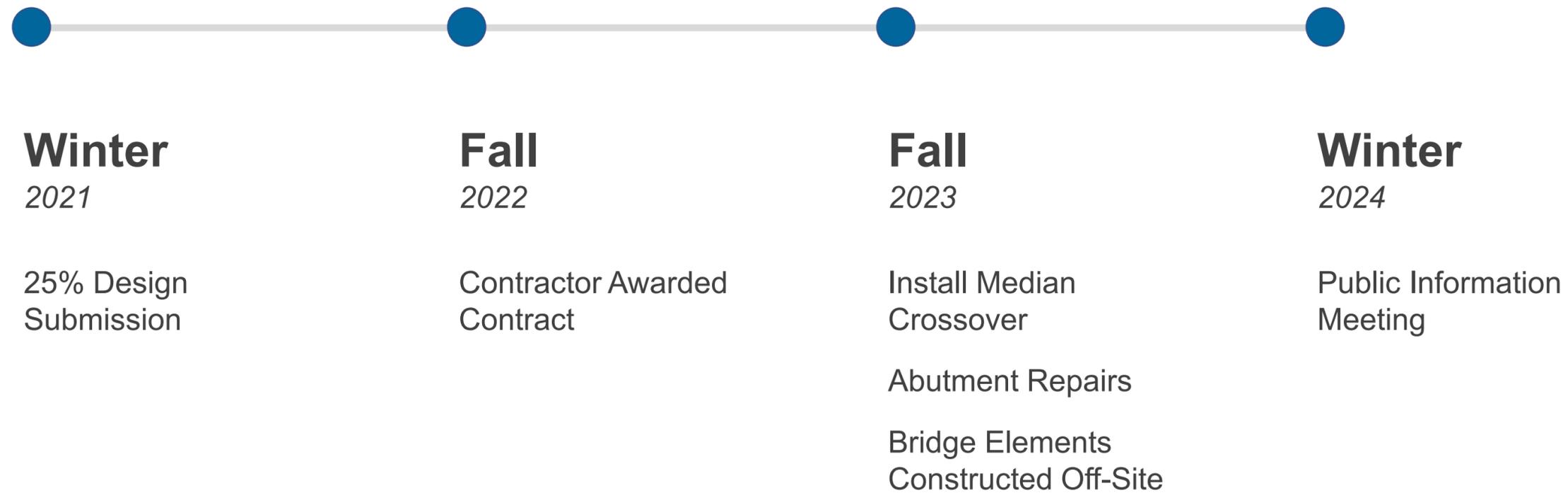
Trip Origins & Destinations – Route 24 Southbound



Trip Origins & Destinations – Route 24 Northbound



How did we get here?





**Why was this
project
initiated?**

Existing Conditions

- Bridges were built in 1957; structures beyond their 50-year service life
- Require frequent deck repairs to maintain state of good repair
- Bridges are currently safe but require replacement to increase the life of the structures



Existing Conditions (cont.)

- Route 24 bridges carry over 118,000 vehicles per day
- Is a high-crash corridor
- Area with few alternative travel options
- Proximity to interchanges critical for local and regional movement
- Proximity to schools on Canton Street below the bridge
- MBTA bus 240 impacted by Canton Street detour





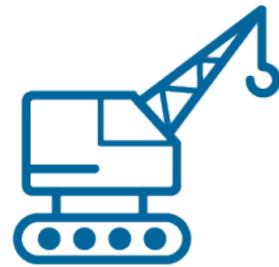
**What do we
want to
accomplish?**

Project Scope

- Replace entire superstructures using Accelerated Bridge Construction (ABC)
 - Cross-section, footprint, and clearance of existing bridges will be maintained
- Repair abutments, installing new abutment caps and bridge seats
- Install new safety barriers and deck drains on the bridges
- Replace sidewalks and pavement along Canton Street below the bridge
- Repave two miles of Route 24 in Randolph
- Relocate utilities to below Canton Street

Completed Bridges





**What is the
construction
approach?**

Accelerated Bridge Construction vs. Traditional Staged Construction

- Accelerated Construction
 - Constructing large portions of bridges offsite, then installing over one weekend
 - Similar techniques used to replace eight bridges in eight weekends on I-90 in 2021
 - Least impacts to the travelling public
 - Two weekends of construction with a lane reduction from three to two lanes
- Traditional Construction
 - Lane reduction from three to two lanes per direction for approx. two years
 - Daily impacts to local traffic



Advantages of Selected Superstructure Replacement

- Least impacts to the traveling public
 - Work weekends chosen based on low historical traffic volumes
- Reduced weather-related time delays
- Flexibility for crane, equipment, and material staging
- Safer work zone – construction and hoisting operations occur away from traveling public for improved safety

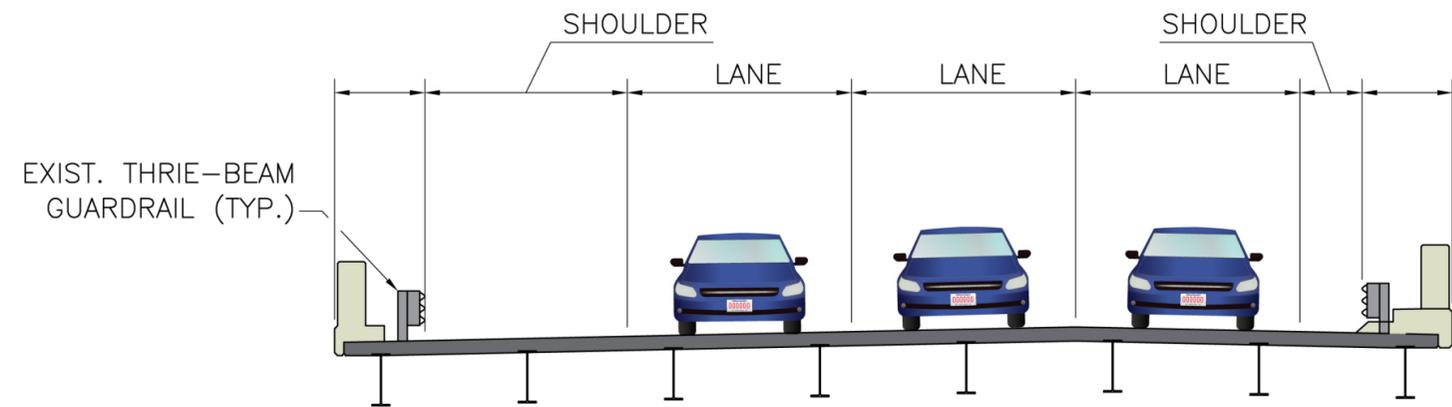
Contract Incentives/ Disincentives

- Incentives/Disincentives ensure compliance with contract timelines
- Incentive
 - Complete bridge replacement and re-open Route 24 prior to Monday 4 a.m.; Re-open Canton Street by Monday 4 p.m.
 - Max payment: \$750k
 - Only receive payment after both bridges are completed
- Disincentive
 - Delay in reopening Route 24 or Canton Street
 - Max deduction: \$750k
 - Corrective action plan must be submitted and approved before allowed to close roads again

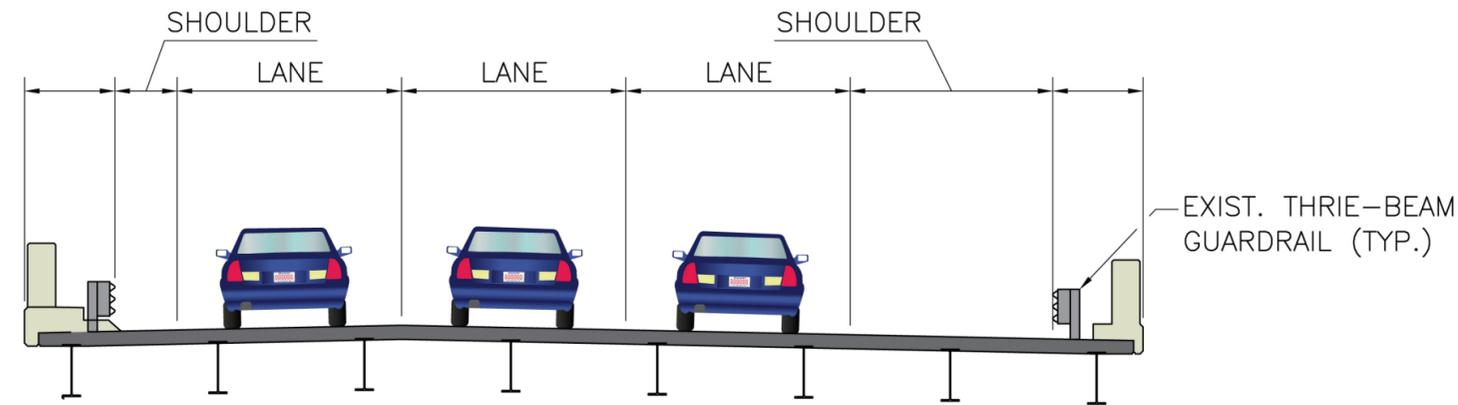


**How will the
road user be
affected?**

Existing Conditions: Current Roadway Configuration



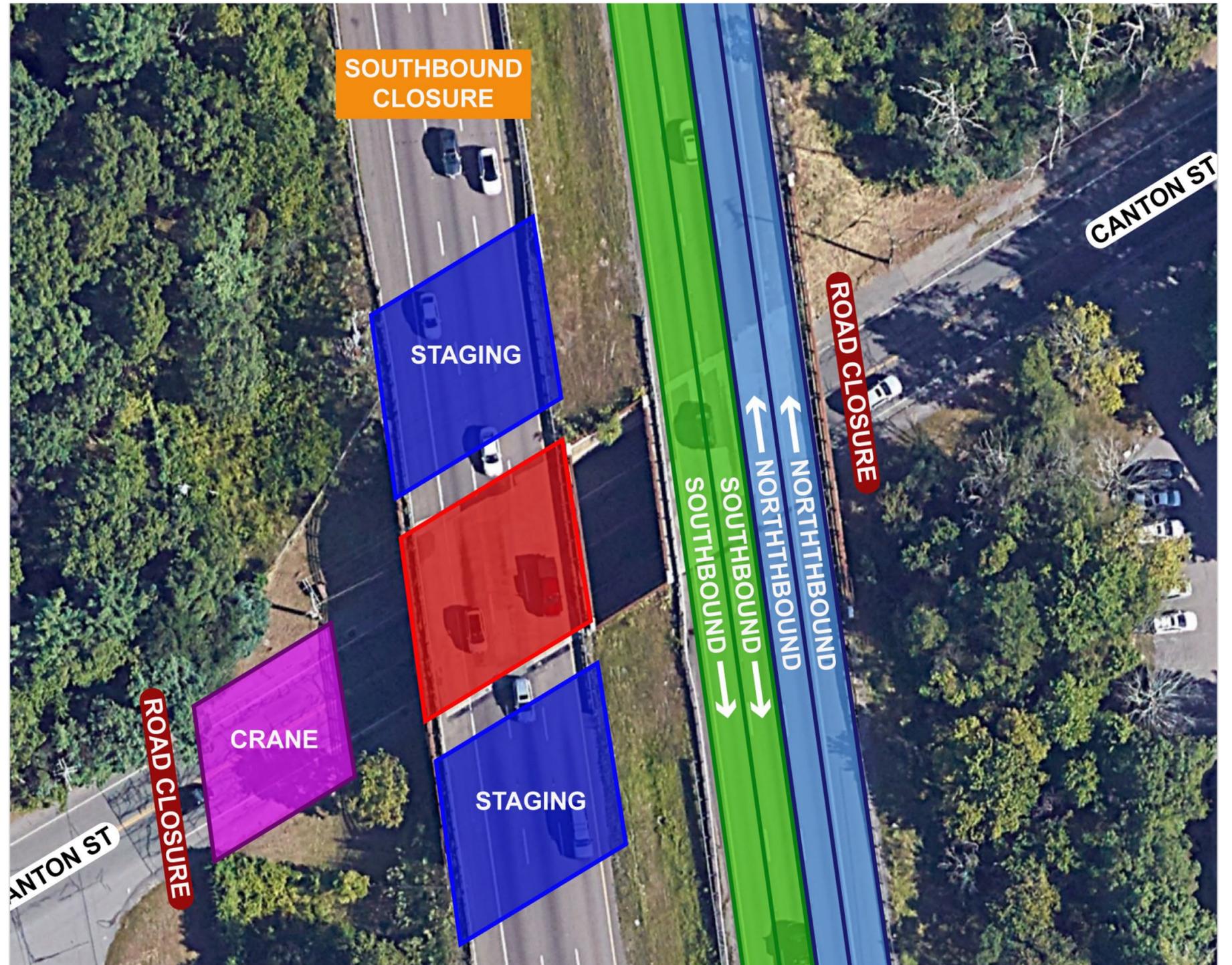
Route 24 Northbound



Route 24 Southbound

Stage 1: Rt 24 Southbound

- **Primary weekend closure:**
 - April 5 – April 8, 2024
 - 8 p.m. on Friday to 4 a.m. on Monday
- While the southbound bridge is closed, the northbound bridge will carry two lanes in each direction
- Equipment staged on southbound bridge and Canton Street
- Work is weather dependent. In the event of inclement weather, the closure will be moved to another weekend in April

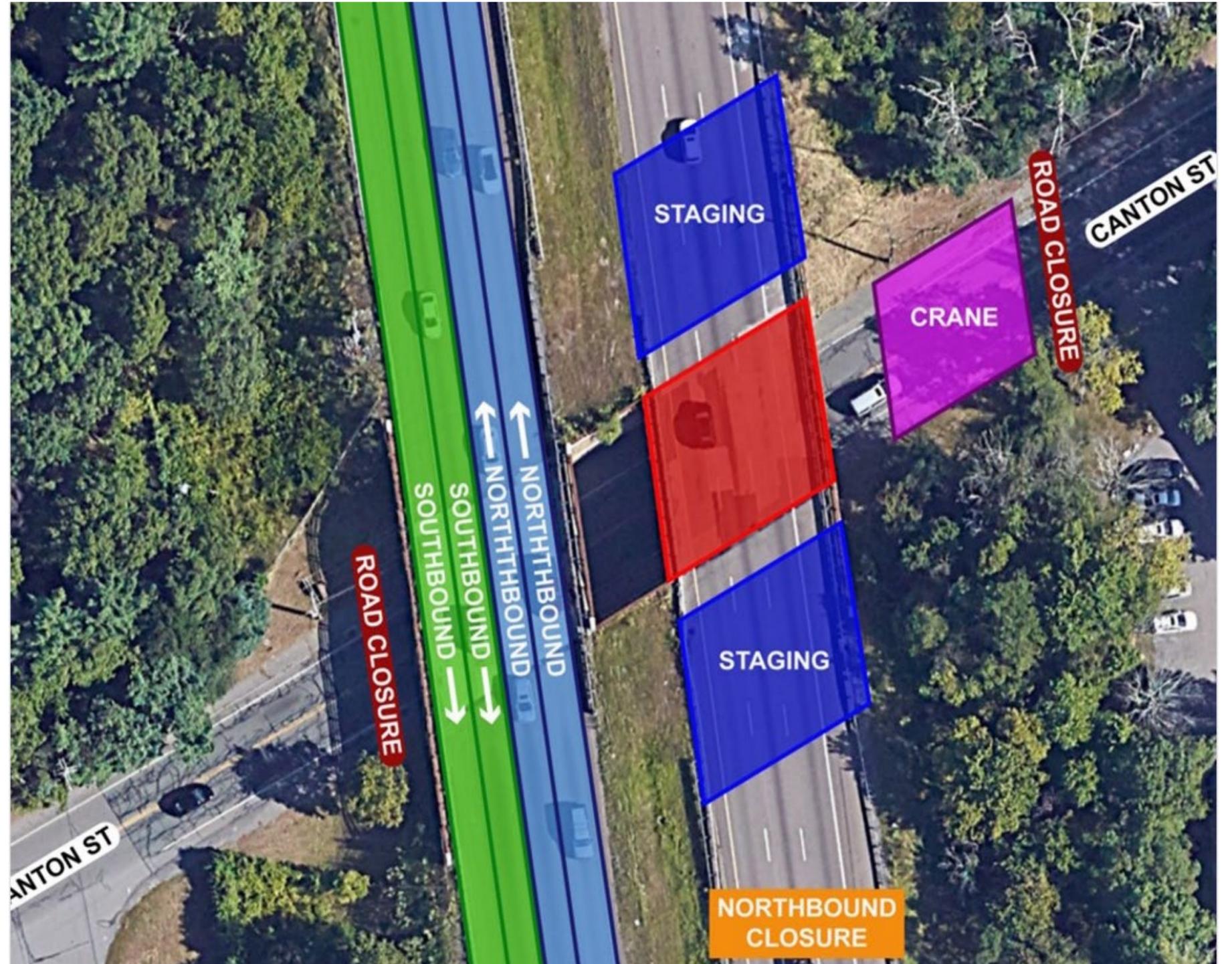


Stage 1: Rt 24 Southbound (Video)



Stage 2: Rt 24 Northbound

- **Primary weekend closure:**
 - May 3 – May 6, 2024
 - 8 p.m. on Friday to 4 a.m. on Monday
- While the northbound bridge is closed, the southbound bridge will carry two lanes in each direction
- Equipment staged on northbound bridge and Canton Street
- Work is weather dependent. In the event of inclement weather, the closure will be moved to another weekend in May



Stage 2: Rt 24 Northbound (Video)

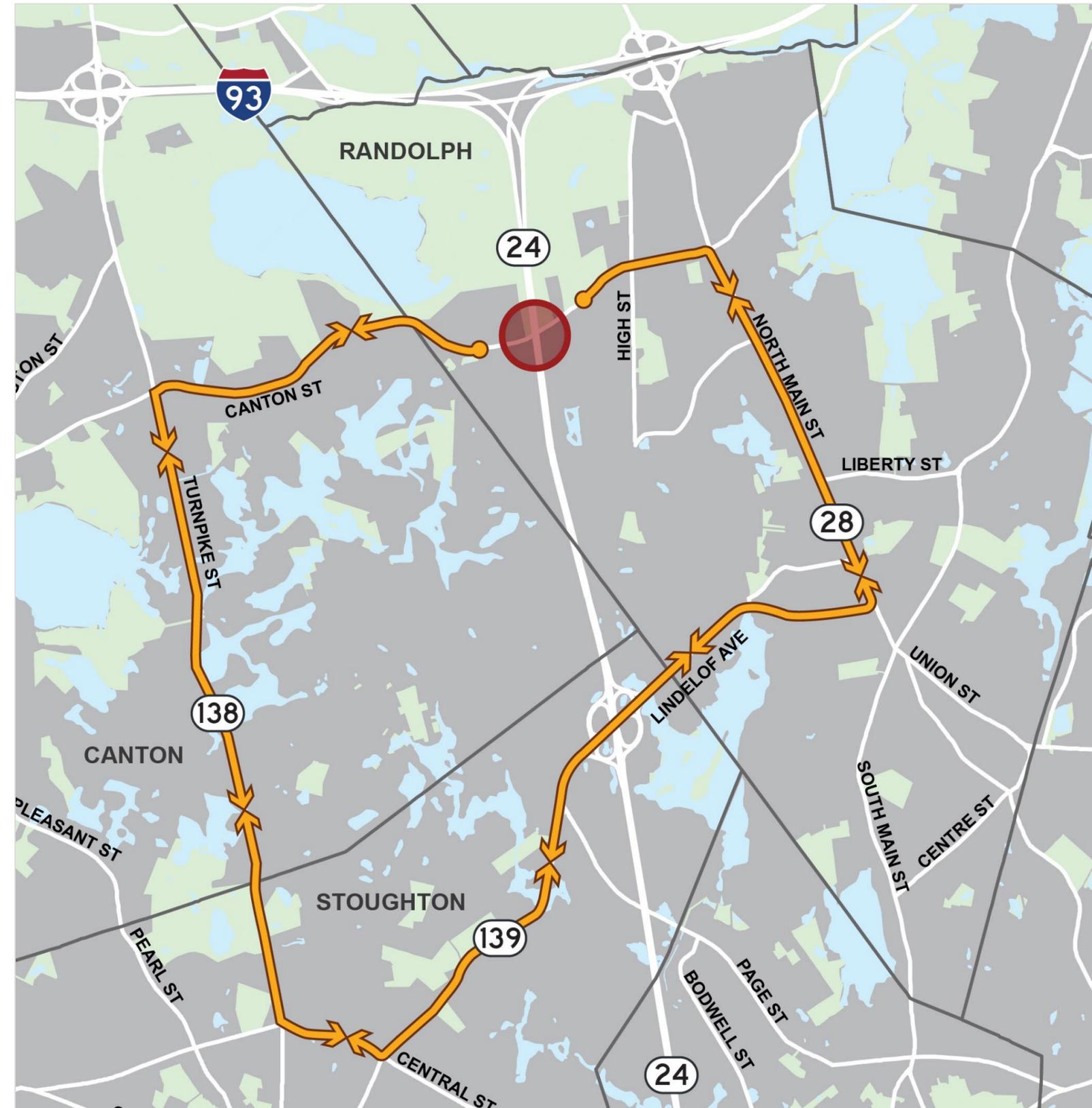


Canton Street Detour

- Leading up to the closures on Friday, Canton Street will maintain one lane of alternating traffic with police detail
- During Route 24 weekend closures, Canton Street closed and detoured at the bridges
 - Canton Street Closures: Friday 5pm – Monday 4pm
- Approximately 11-mile detour
- Advance notification provided at bridges for all users
- No pedestrian or bicycle access during road closure

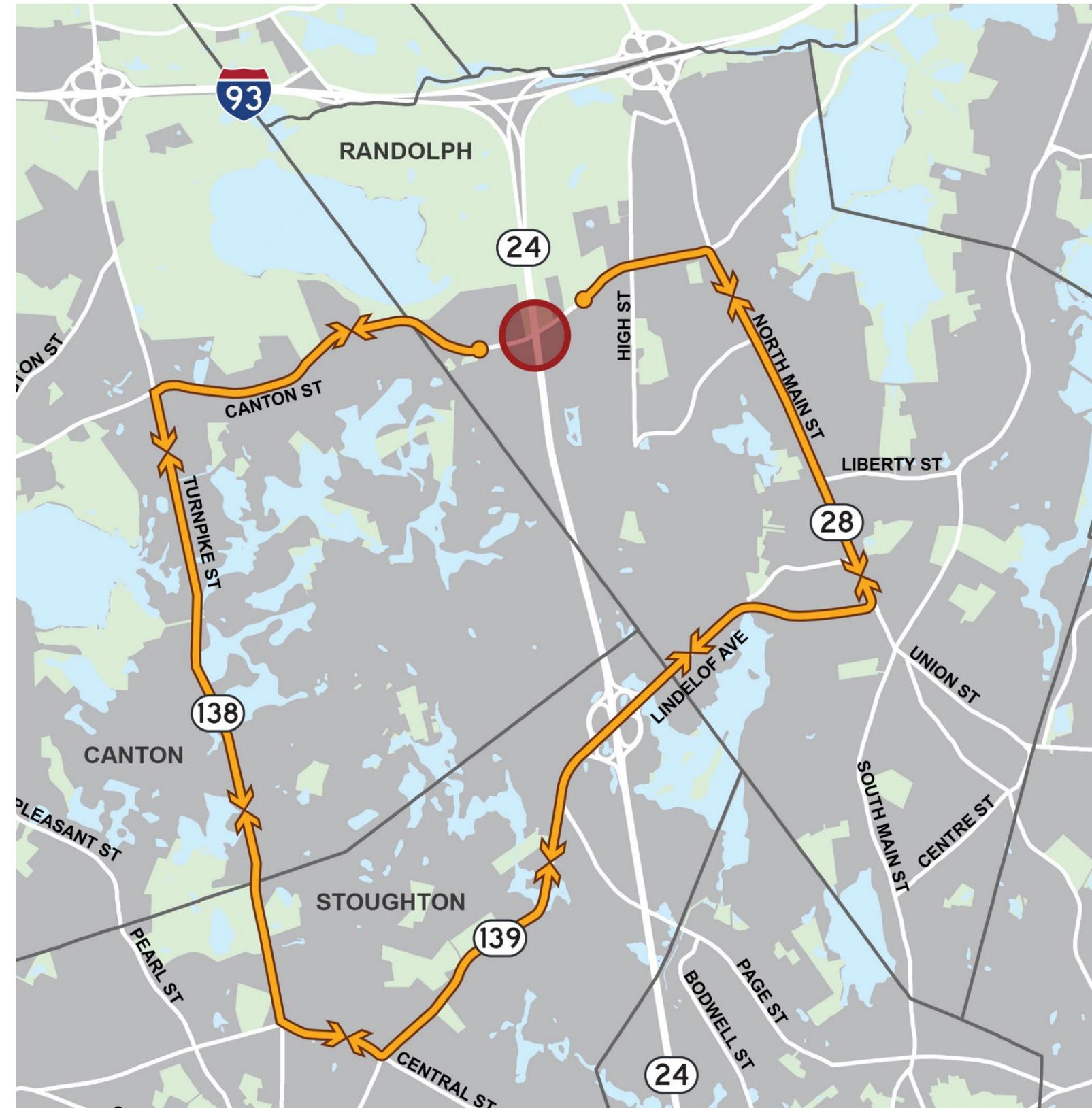
Canton Street Detour – Westbound

- Right on to N Main St from Canton St
- Right on to Lindelof Ave/Route 139
- Right on to Central St
- Right on to Turnpike St/Route 138
- Right on to Canton St



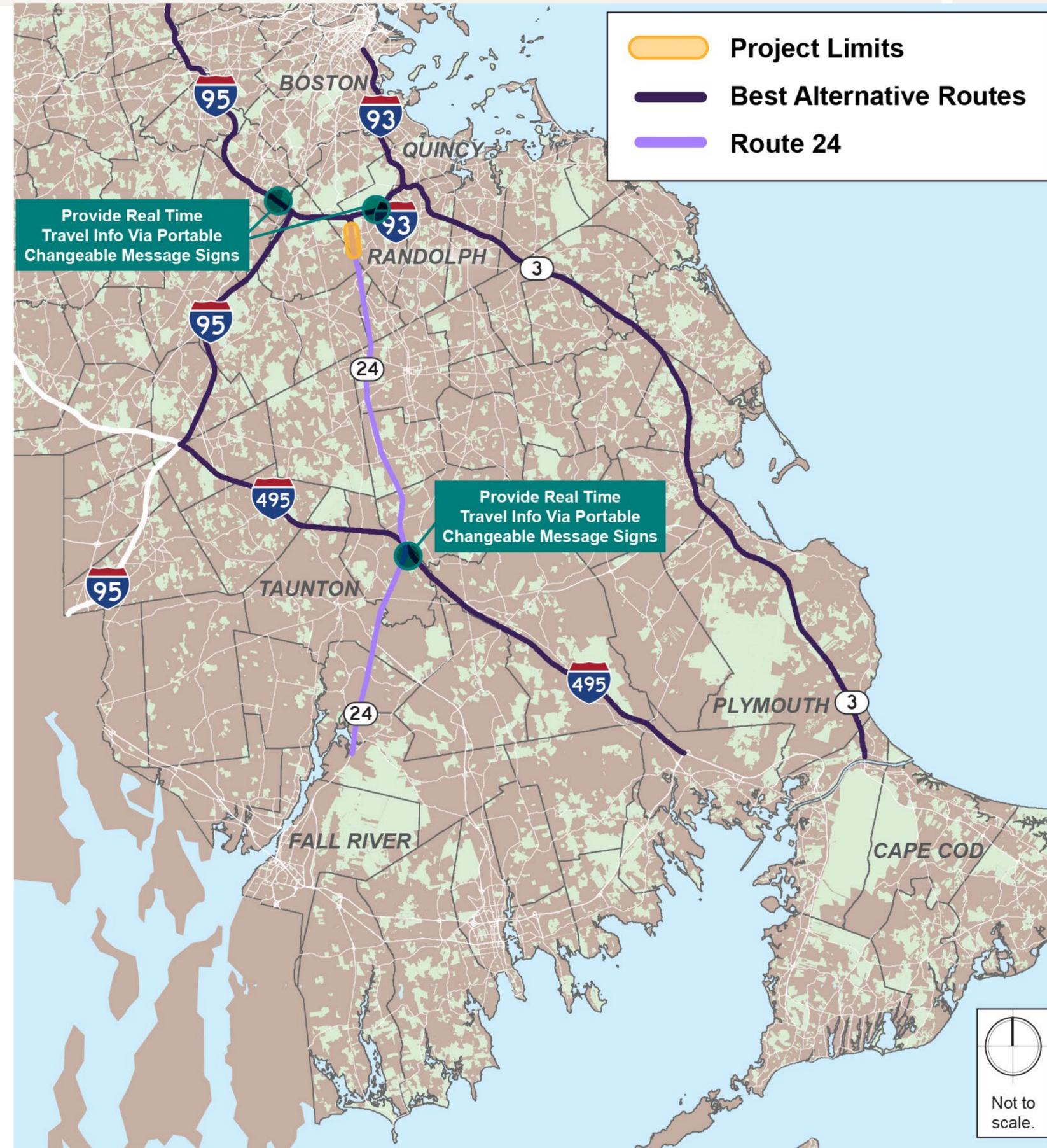
Canton Street Detour – Eastbound

- Left on to Turnpike St from Canton St
- Continue on to Turnpike St/Route 138
- Left on to Central St
- Left on to Lindelof Ave/Route 139
- Left onto N Main St
- Left onto Canton St



Regional Traffic

- Advance notification provided at bridges and regionally
- MassDOT will coordinate with navigation companies to help divert traffic
- Real time travel info on all major routes approaching the project
- Drivers strongly encouraged to seek an alternate route to reduce traffic volumes on Rt 24



Project Next Steps



Spring 2024

Stage 1 Weekend
Closure: April 5 – April
8, 2024

Canton Street
improvements



Spring 2024

Install bridge barrier



Spring 2024

Stage 2 Weekend
Closure: May 3 – May
6, 2024

Canton Street
improvements



Summer 2024

Canton Street
improvements



Fall 2024

Project scheduled
completion



Community Engagement

How will we keep you informed?

- Dedicated project website
<https://www.mass.gov/route-24-over-canton-street-bridge-replacement-project>
- Project email address for two-way communication between the project team & community
massdotrt24overCanton@dot.state.ma.us
- MassDOT Legislative Affairs: Dan Fielding
- Traffic impact advisories sent to project email subscribers
- Communicate updates through Randolph, adjacent municipalities, and local community organizations
- Coordinate with navigation companies (Google Maps, Waze, etc.)



Questions and discussion

Thank You for Your Support

- Town of Randolph
- Merrimack Valley Planning Organization
- Braintree, Brockton and Fall River RMV Service Center
- Randolph Chamber of Commerce
- Boston Center for Independent Living
- Community Based Organizations

Questions and Answers



- “Raise your hand” to be unmuted for verbal questions; *9 for attendees calling into the meeting



- 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



- Submit your questions and comments using the Q&A button (Alt + H)



- 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



- 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.



Thank You

Randolph Route 24 Over Canton Street Bridges Project

Project email:

massdotRt24OverCanton@dot.state.ma.us

