

Sagamore Bridge Project

Design Public Hearing

July 23, 2026

massDOT
Massachusetts Department of Transportation



Introductions

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MassDOT

Preliminary Design Consultant

- HNTB, Stantec, Tetra Tech, Keville, Shadley



Sagamore Bridge Construction circa 1934

Public Input Process

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- This hearing will be open to public comment at the end of the presentation.
- As always, we appreciate all questions and feedback on the proposed design.
- All comments submitted during and after this hearing will be reviewed and considered as part of the project development process.
- Responses to comments will be posted online in an FAQ or responded to directly if requested or necessary.

Your participation and local knowledge are essential. We value your continued involvement and input throughout the design process.

Presentation Topics

- Project Purpose, Need & Background
- Environmental Status
- Right of Way
- Roadway Design
- Traffic Management During Construction
- Bicycle and Pedestrian Access During Construction
- Bridge Design
- Landscape Design
- Public Art
- Procurement
- Ongoing Activities and Next Steps
- Communication and Outreach

Project Purpose, Need and Background

Scope and Background

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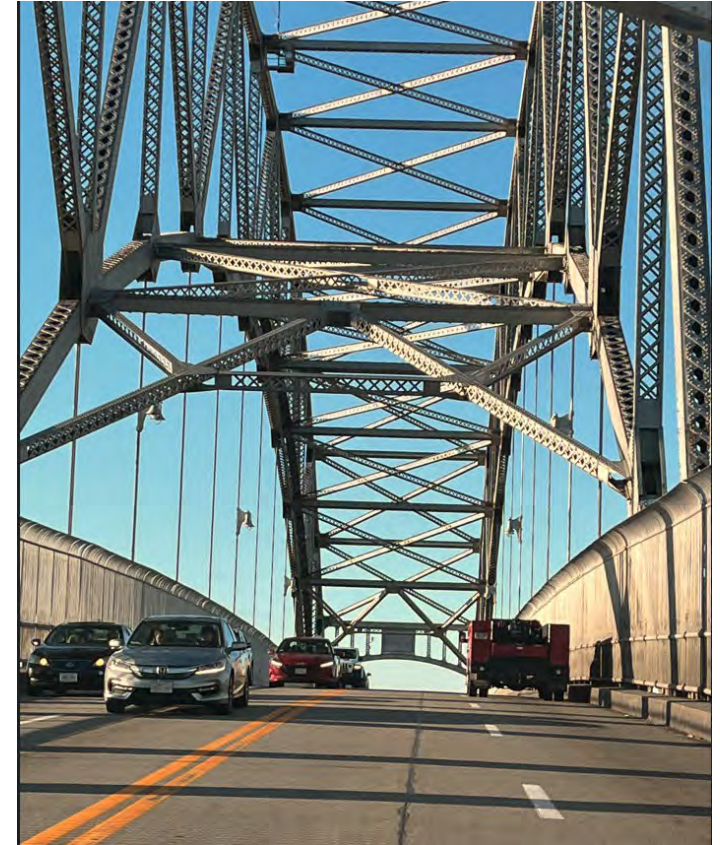


- MassDOT is advancing the replacement of the Sagamore Bridge and the Bourne Bridge
- A complete finance plan is in place for the Sagamore Bridge Project
- This Design Public Hearing is focused on the Sagamore Bridge Project

Scope and Background – Need

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- The Sagamore Bridge is 91 years old, functionally obsolete, and no longer meets the needs of the public
- The bridge consists of two undivided through lanes in each direction with a sidewalk on one side
- Traffic delays are prevalent during the summer on the bridge, major corridors and at several intersections
- High crash rates and congestion can be attributed directly to the existing cross section of the bridges (narrow lanes, not barrier separated)



Scope and Background – Significance and Impacts of Cape Cod Bridges

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- Town of Bourne
- Cape Cod & Islands
- Commonwealth of Massachusetts
- Federal Assets and Infrastructure

Scope and Background – Funding

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The Sagamore Bridge Project is fully funded

U.S. DOT Mega Grant	\$372 M
U.S. DOT Bridge Investment Program	\$993 M
U.S. Army Corps of Engineers	\$350 M
State Bond Funds	\$429 M
Total	\$2.144B*

***Commonwealth of Massachusetts is also contributing \$302 Million for gas line relocations**

Scope and Background – Roadway Design – Overview

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- Design and construction of the realignment of Route 3 and Route 6
- Many roadways and ramps will require reconfiguration
- Six signalized intersections and four roundabouts
- Two bicycle and pedestrian rail crossings

Project Scope and Background – Sagamore Bridge

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Environmental Status

Environmental Status – Massachusetts Environmental Policy Act/ National Environmental Policy Act

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Massachusetts Environmental Policy Act

- Secretary's Certificate on the Final Environmental Impact Report on April 17, 2026
- Upcoming: State environmental permits

National Environmental Policy Act

- Final Environmental Impact Statement/Record Of Decision was signed on June 26, 2026
- Federal Register publication in early August
- Upcoming: Federal environmental permits

Right-of-Way

Right-of-Way

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Sagamore Bridge

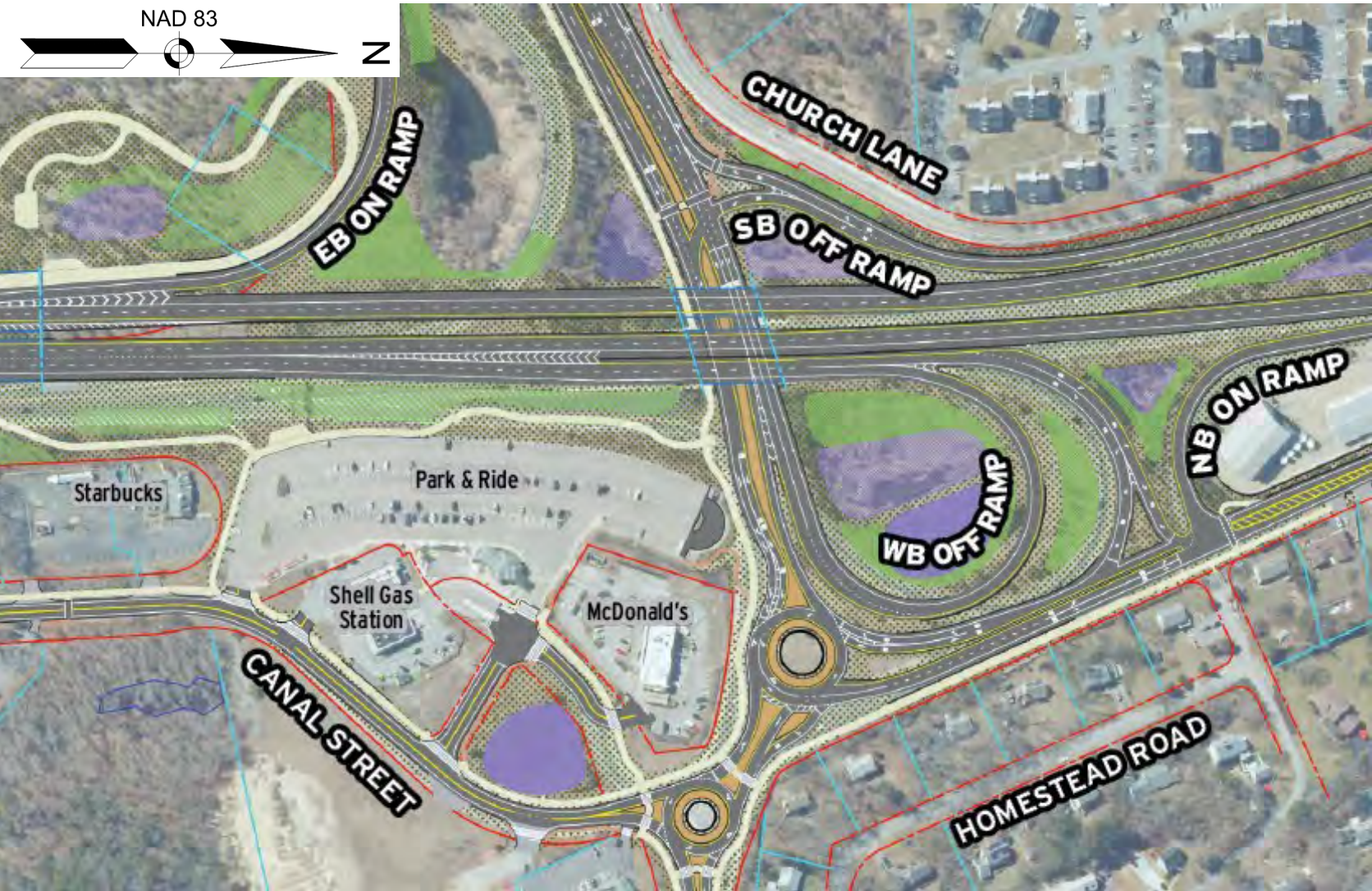
- 12 of 13 residential properties acquired by eminent domain
- Demolition and clearance
- Market Basket
- Upcoming: partial and strip takings, rights of access, and easements

Roadway Design

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Roadway Design – Sagamore Mainland Side



Roadway Design – Sagamore Mainland Side



Roadway Design – Sagamore Mainland Side

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Conceptual simulation for planning and discussion purposes only.

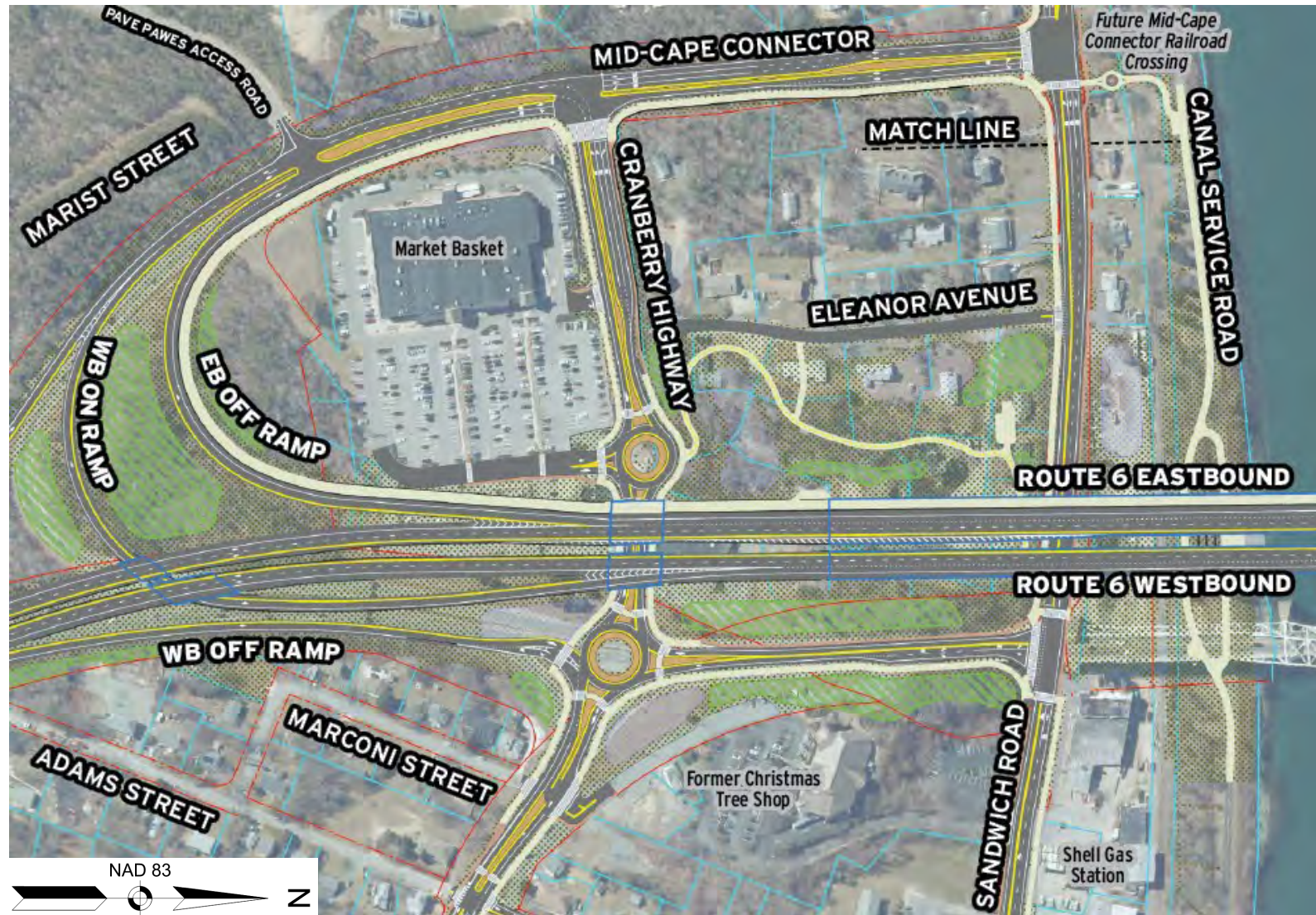
Roadway Design – Sagamore South Interchange

21



Roadway Design – Sagamore South Interchange

22



Roadway Design – Sagamore South Interchange

23



Conceptual simulation for planning and discussion purposes only.

Traffic Management During Construction

Traffic Management During Construction – Commitments

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- Maintain connections between mainline and local roadways with only limited disruptions
- Remove traffic from the existing Sagamore Bridge as early as possible to minimize risk of maintenance activities on the existing structure



Traffic Management During Construction

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Year-round
construction
schedule

Seasonal Roadwork
Limitations

Holiday Work
Restrictions

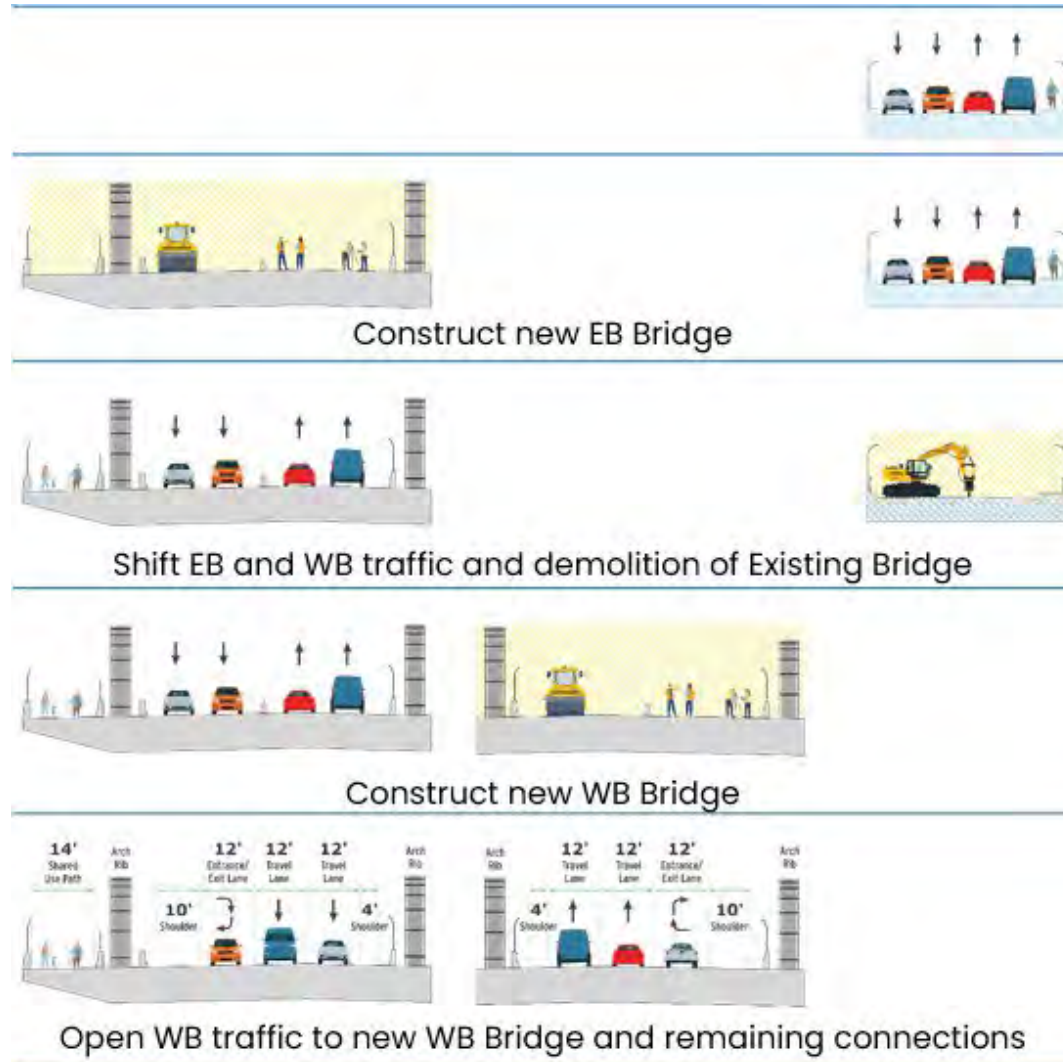
Traffic Management During Construction – Requirements

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- Route 6 and Route 3 – MassDOT will maintain two through lanes throughout construction, with limited night-time lane closures
- Interchange Ramps – MassDOT will maintain access with limited night-time closures for specific construction activities
- Local roads – MassDOT will maintain access with limited night-time lane closures for specific construction activities
- MassDOT will maintain access to businesses and residential homes throughout construction

Traffic Management During Construction – Phasing

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Traffic Management During Construction

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- Smart Work Zone Monitoring System
- Coordination with Emergency Responders
- Coordination With Navigational Mapping Services
- Public Notice for Major Traffic Changes
- Quick Incident Clearance Procedures
- MassDOT has ability to suspend operations based on traffic impacts



Traffic Management During Construction – Accelerated Construction

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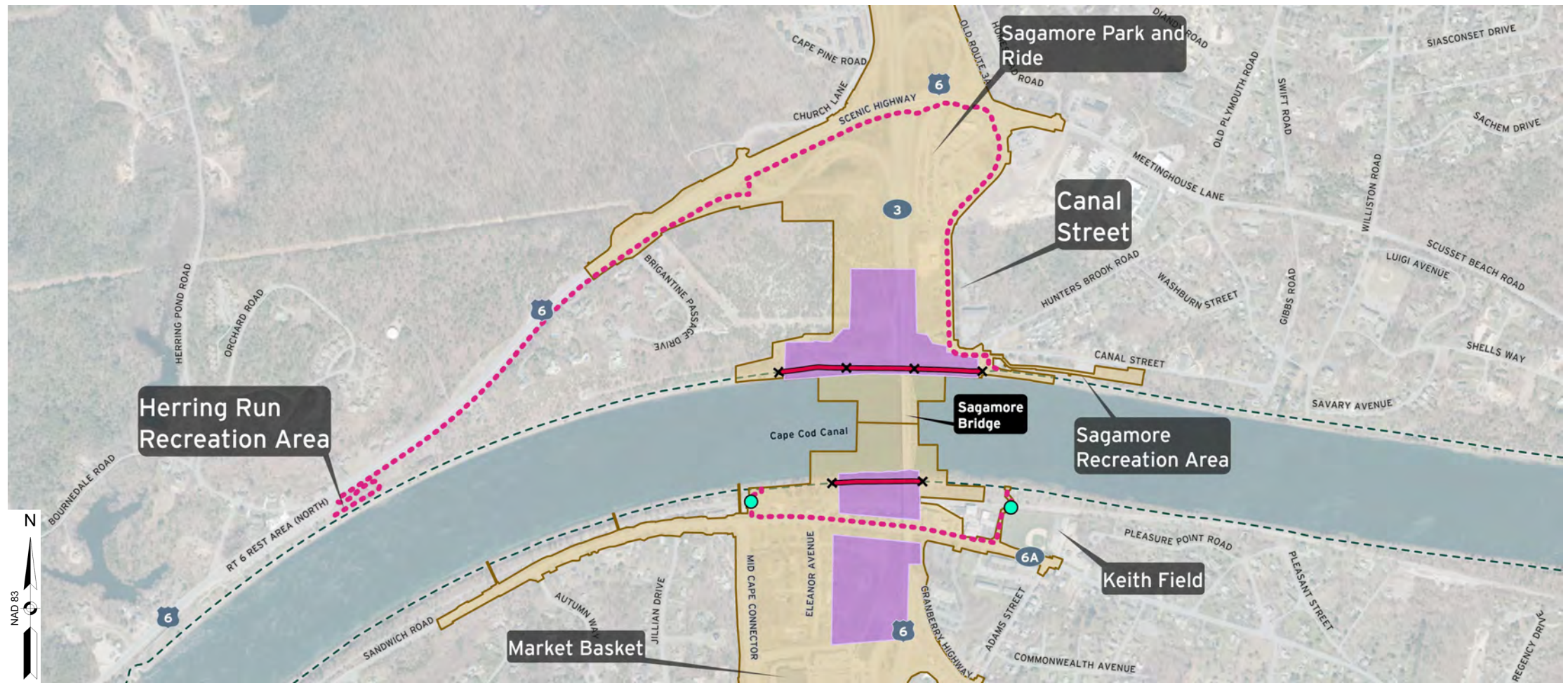
Lake Champlain Bridge (New York/Vermont)

- Prefabrication of Bridge Components
- Concurrent Construction
- Contractual Incentives/Disincentives

Bicycle and Pedestrian Access During Construction

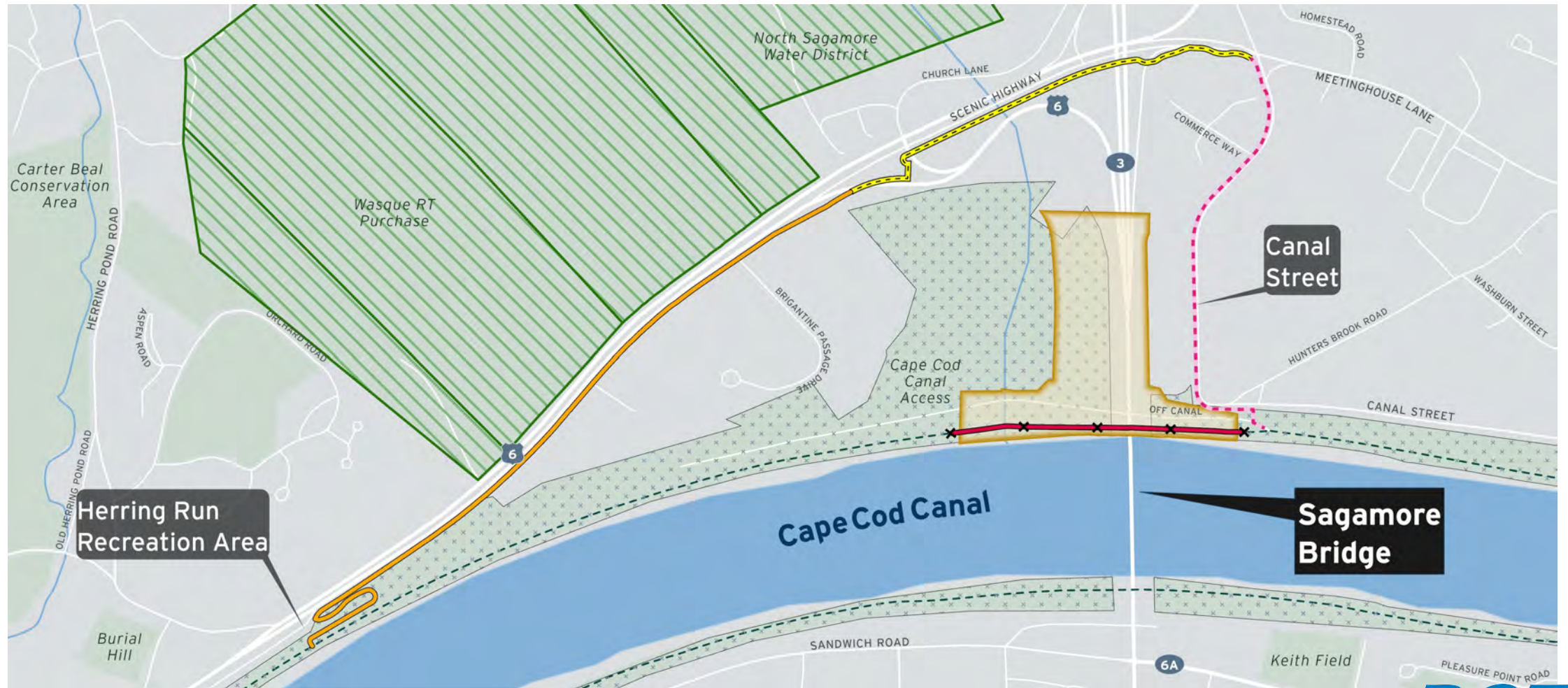
Bicycle and Pedestrian Access During Construction

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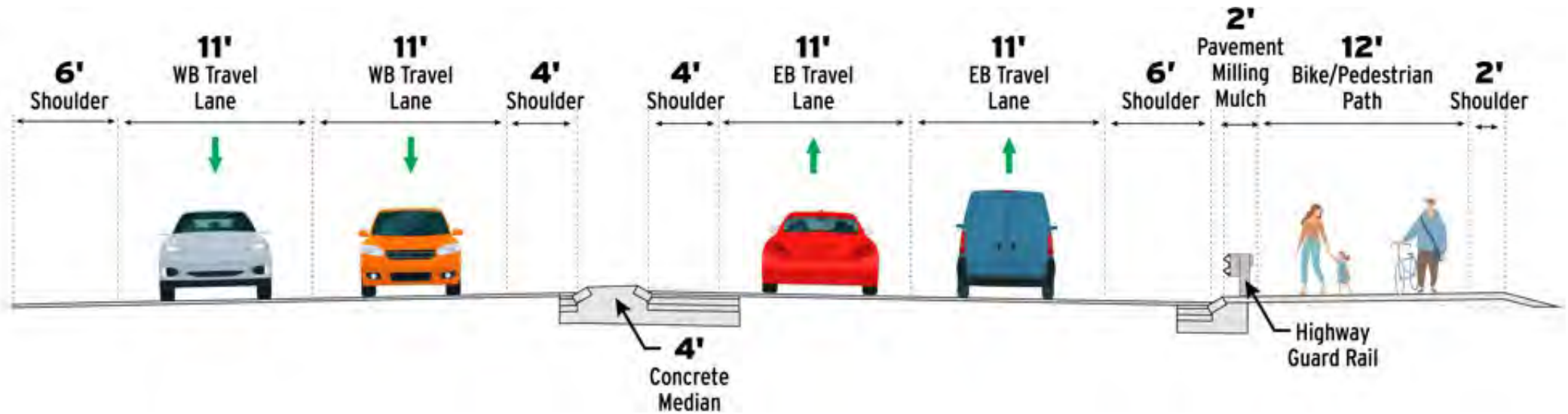
Bicycle and Pedestrian Access During Construction – Mainland Side – Scenic Highway

33



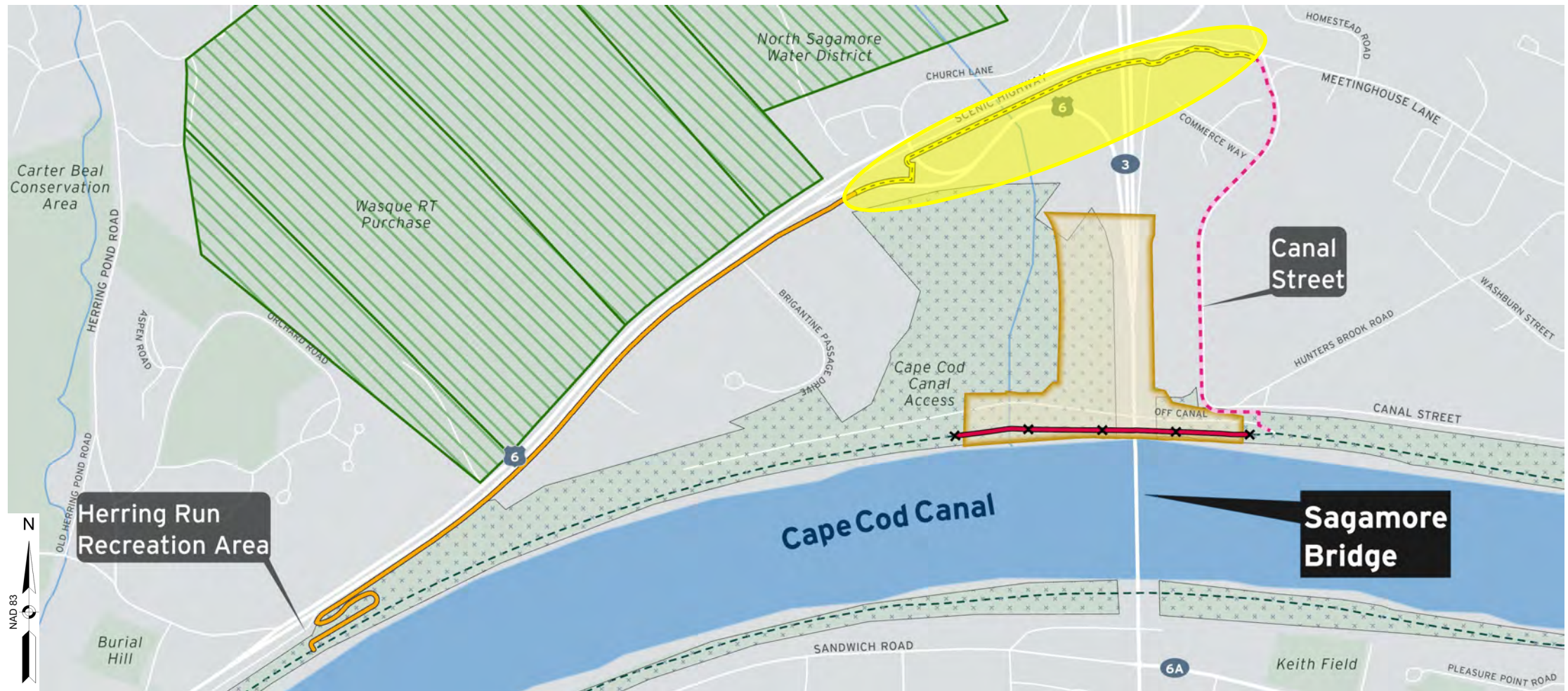
Bicycle and Pedestrian Access During Construction – Mainland Side – Scenic Highway

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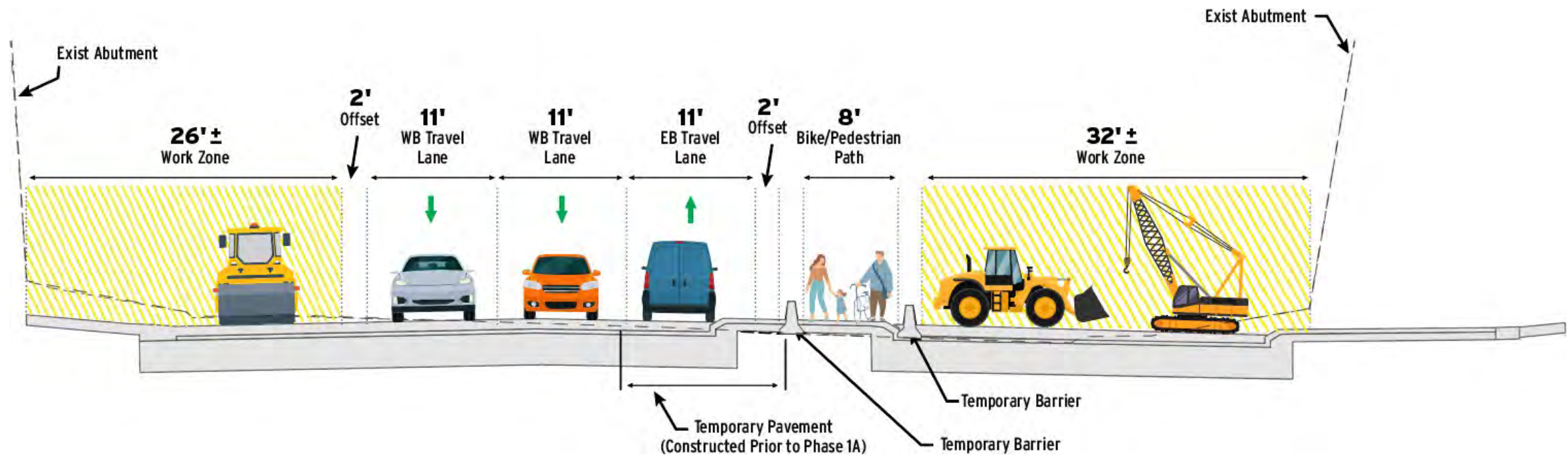
Bicycle and Pedestrian Access During Construction – Mainland Side – Scenic Highway under Route 3

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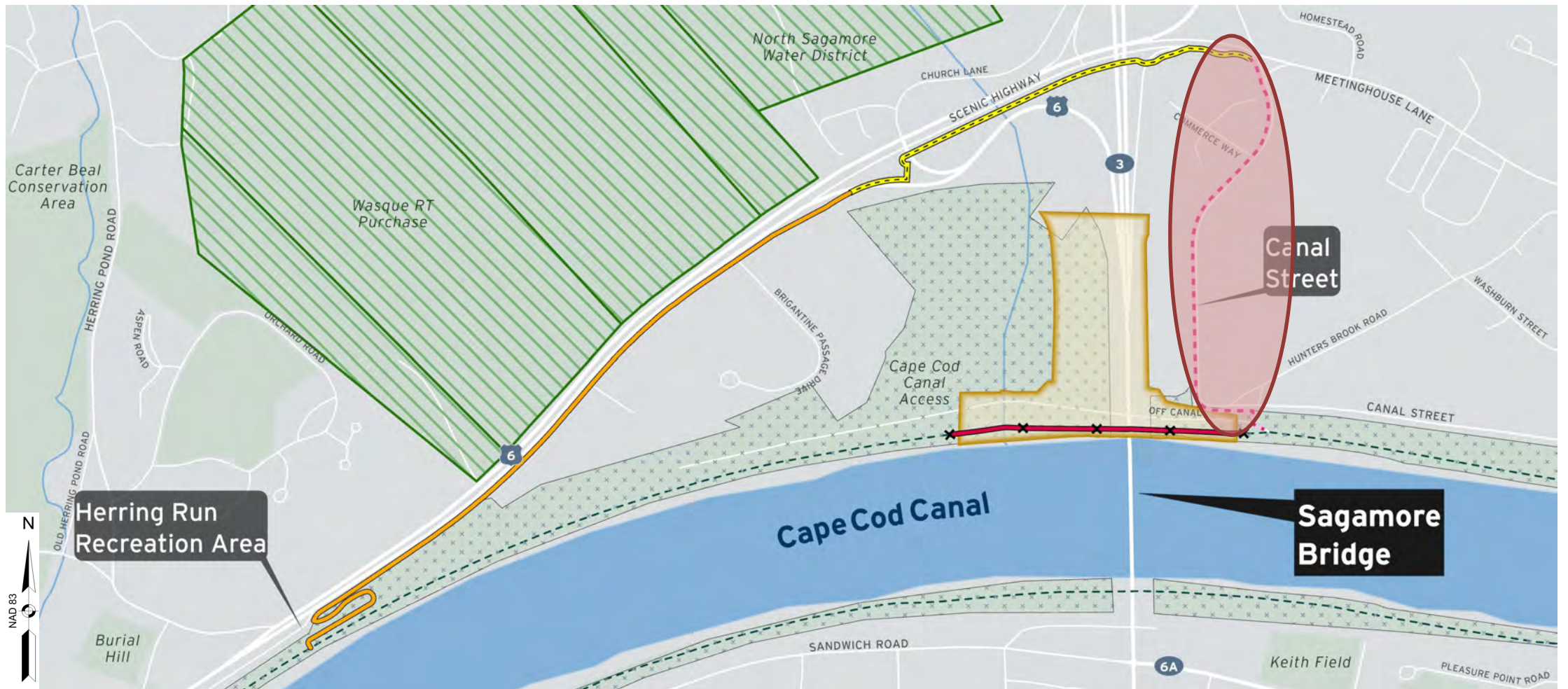
Bicycle and Pedestrian Access During Construction – Mainland Side – Scenic Highway under Route 3

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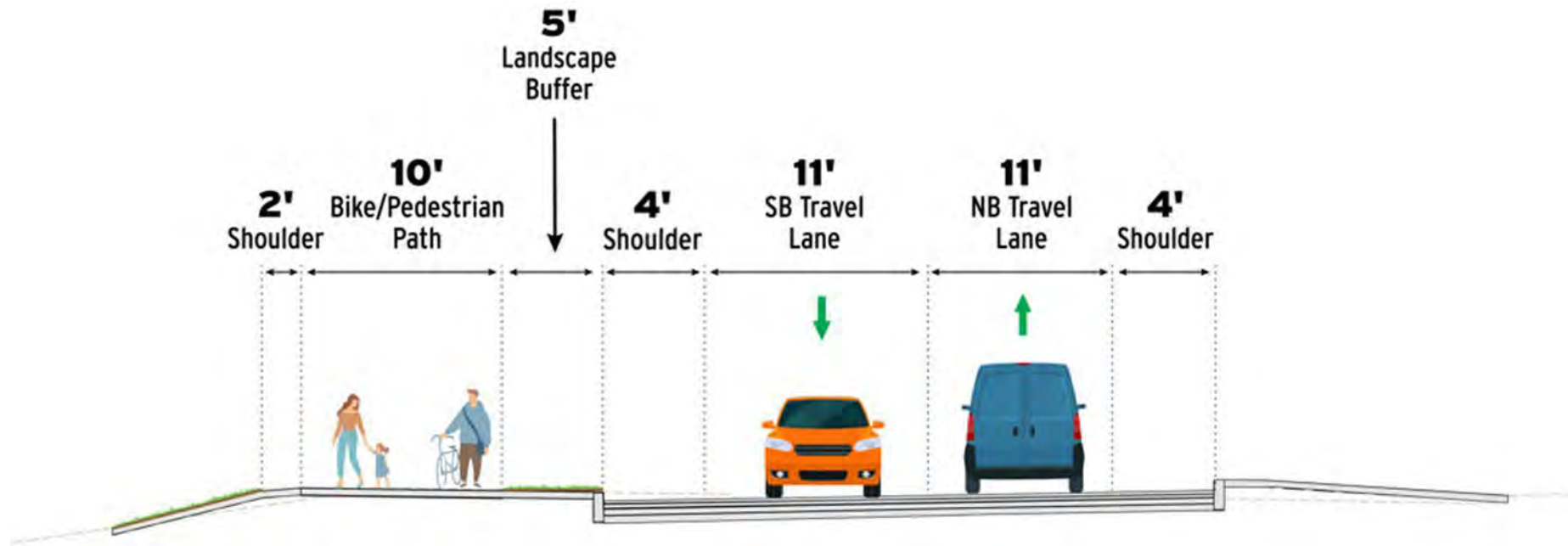
Bicycle and Pedestrian Access During Construction – Mainland Side – Canal Street

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Bicycle and Pedestrian Access During Construction – Mainland Side – Canal Street

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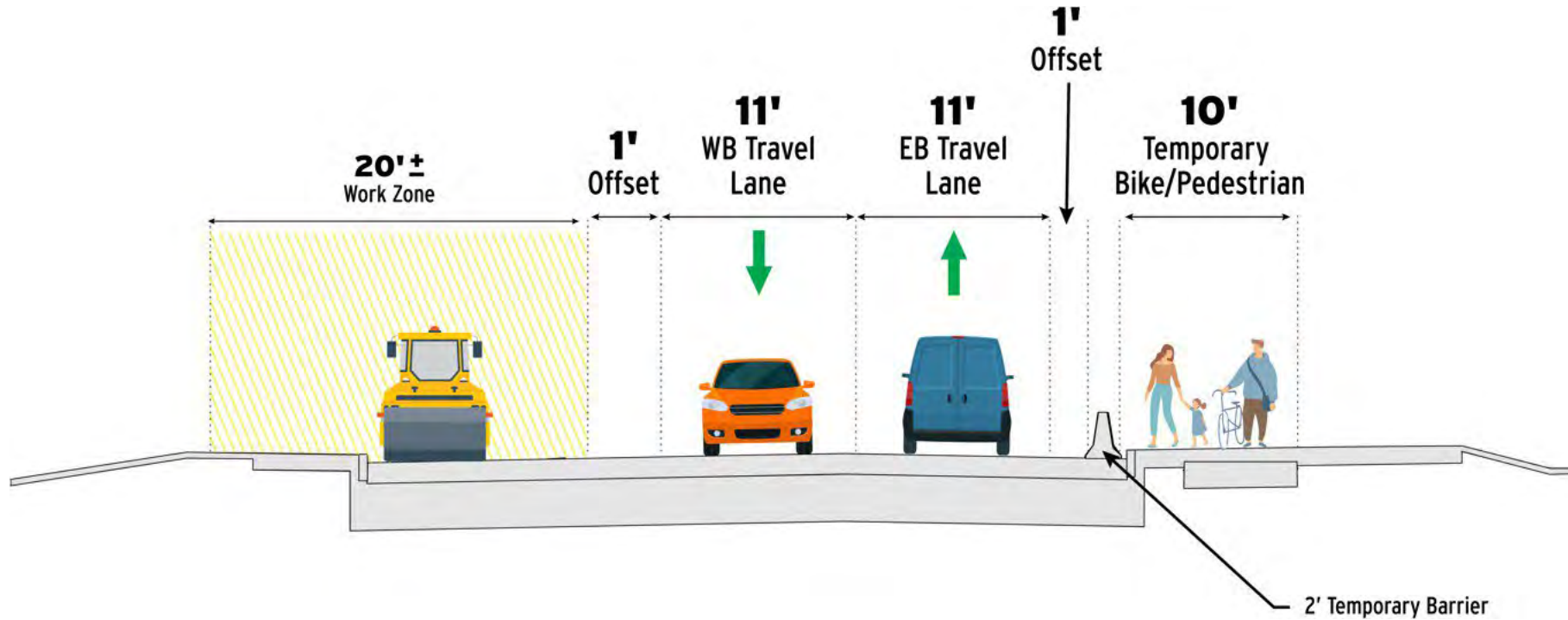
Bicycle and Pedestrian Access During Construction – Cape Cod Side

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Bicycle and Pedestrian Access During Construction – Cape Cod Side – Sandwich Road

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Bridge Design

New Sagamore Bridge – Overview

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- Twin Network Tied Arch Bridges on Delta Girders with piers on canal bank
- Accelerated construction using off-site fabrication of the arch and float-in

New Sagamore Bridge – Driver View

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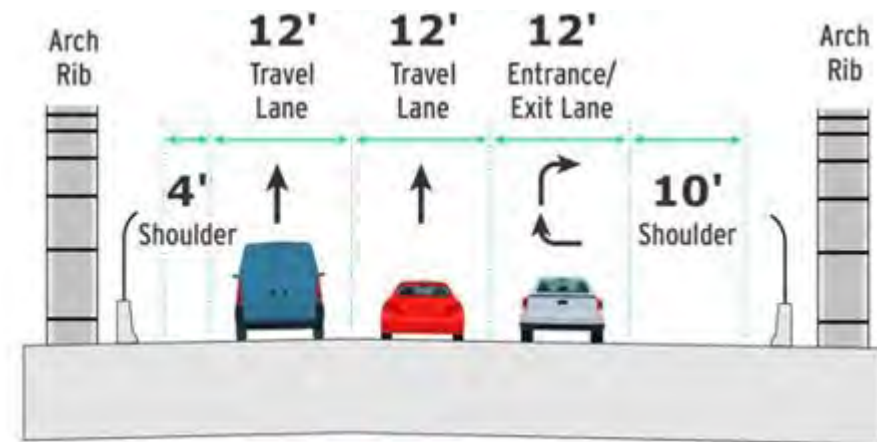
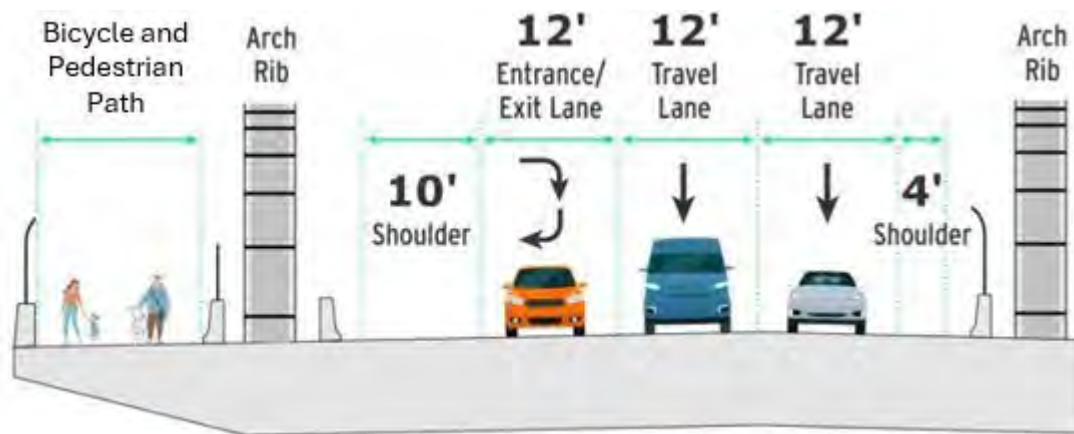


- Twin symmetrical arches
- One bridge for on-Cape traffic and one bridge for off-Cape traffic

New Sagamore Bridge – Typical Section

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- Lanes consistent with state and federal design guidelines.
- Both directions of travel at each bridge:
 - Travel lanes – 12 feet wide
 - Entrance/Exit lane – 12 feet wide
 - Left shoulder – 4 feet wide
 - Right shoulder – 10 feet wide



New Sagamore Bridge – Driver View at Arch

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New Sagamore Bridge – Bike/Pedestrian Path

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- Barrier-protected bicycle/pedestrian path outboard of arch
- Overlook at mid-point
- Mesh screen for safety

New Sagamore Bridge – Canal Piers

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- Canal piers constructed on canal bank
- Creates viewing platform

New Sagamore Bridge – Canal Pier at Canal Service Road

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The viewing platform is at the same level as the Canal Service Road

New Sagamore Bridge – Aesthetic Lighting

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- Aesthetic bridge lighting to highlight major structural components
- Low light pollution

New Sagamore Bridge – Aesthetic Lighting

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LED technology
allows color
changes

Landscape Design

Landscape Overview – Mainland Side



Landscape Design – Cape Cod Side



Public Art

Interpretive Panels

- Educational displays showing historical, cultural, ecological, and project-related themes
- MassDOT will seek public input on panel topics and final designs

Sagamore South Gateway

- Stone gateway: "Welcome to Cape Cod."
- MassDOT will work closely with the Town of Bourne and other groups to gather feedback on design details

Artistic Inlays and Wall Panels

- Artistic designs cast into concrete on bridges and overpasses
- MassDOT will solicit designs from the artist community and form a Selection Advisory Committee to inform final selections

Procurement

Procurement Process

The Sagamore Bridge project is advancing as a Design-Build procurement.

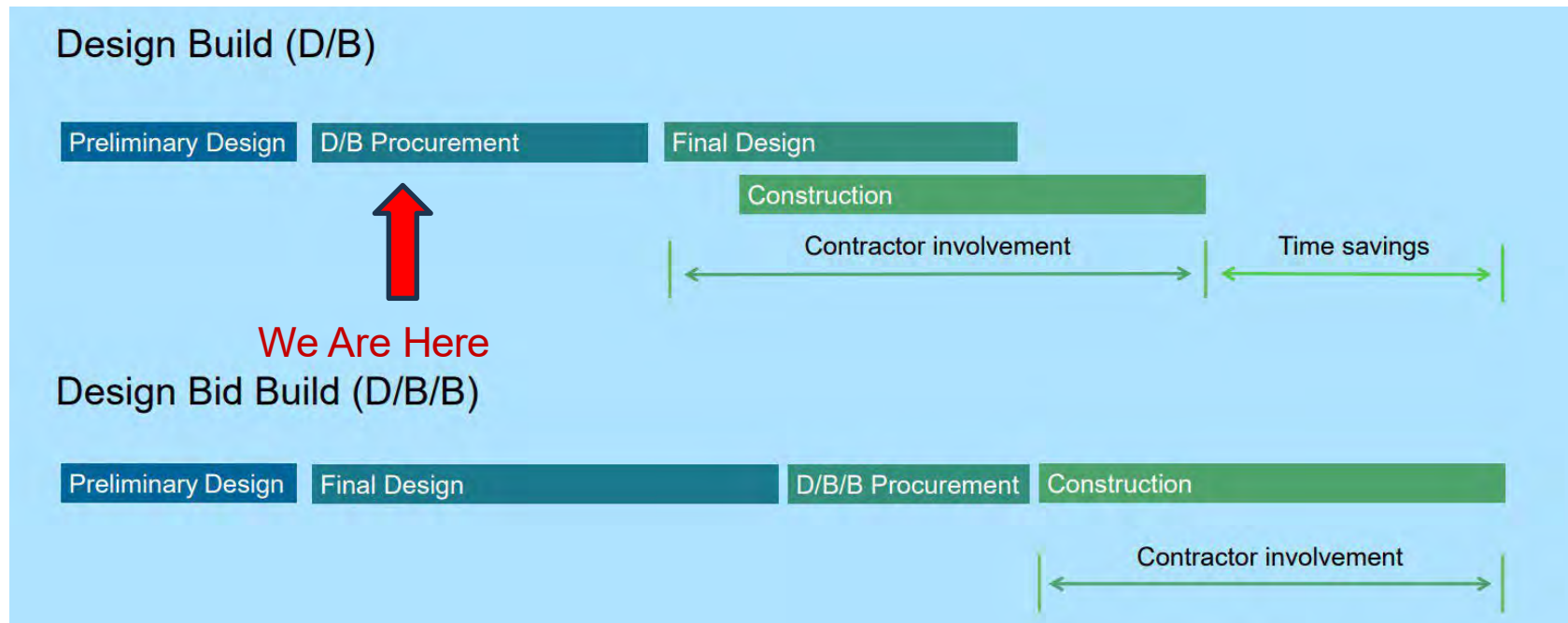
Design-Build procurements result in:

Earlier Contractor Involvement

Earlier Construction Start

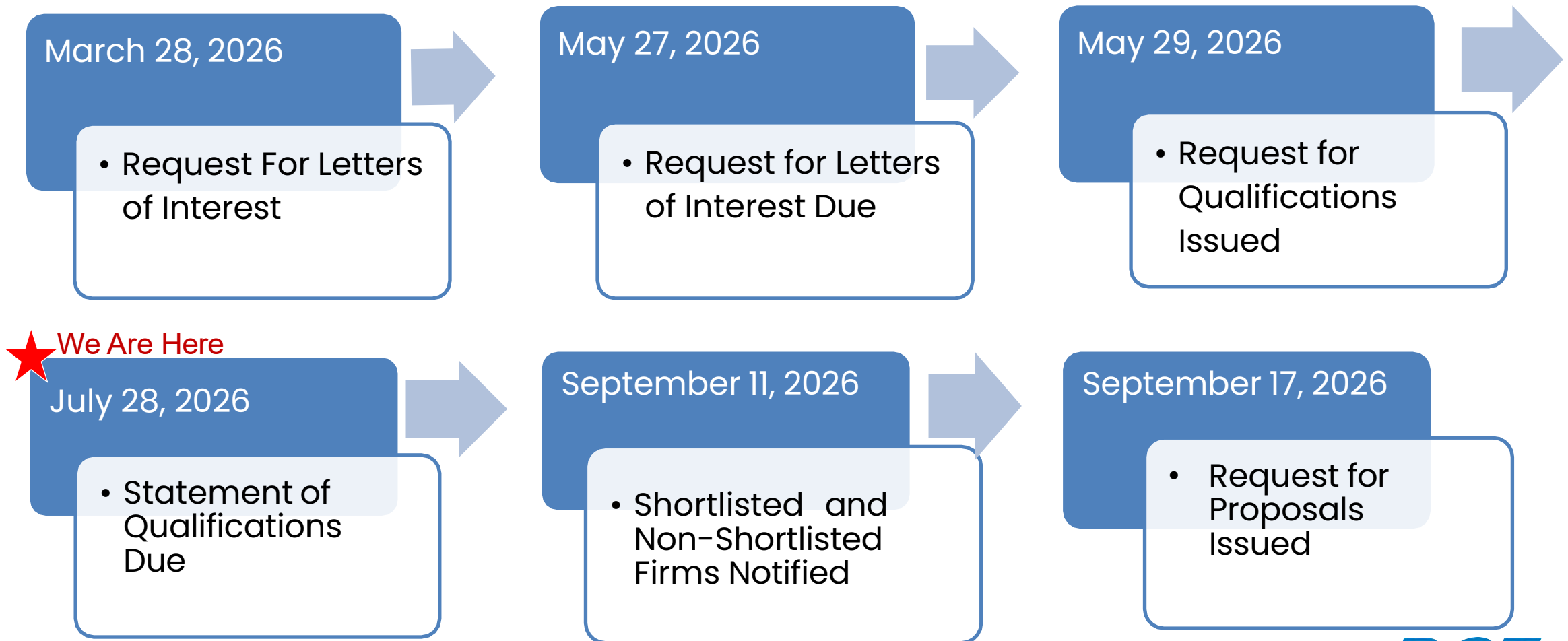
Greater Opportunity for Innovation

Earlier Construction Completion



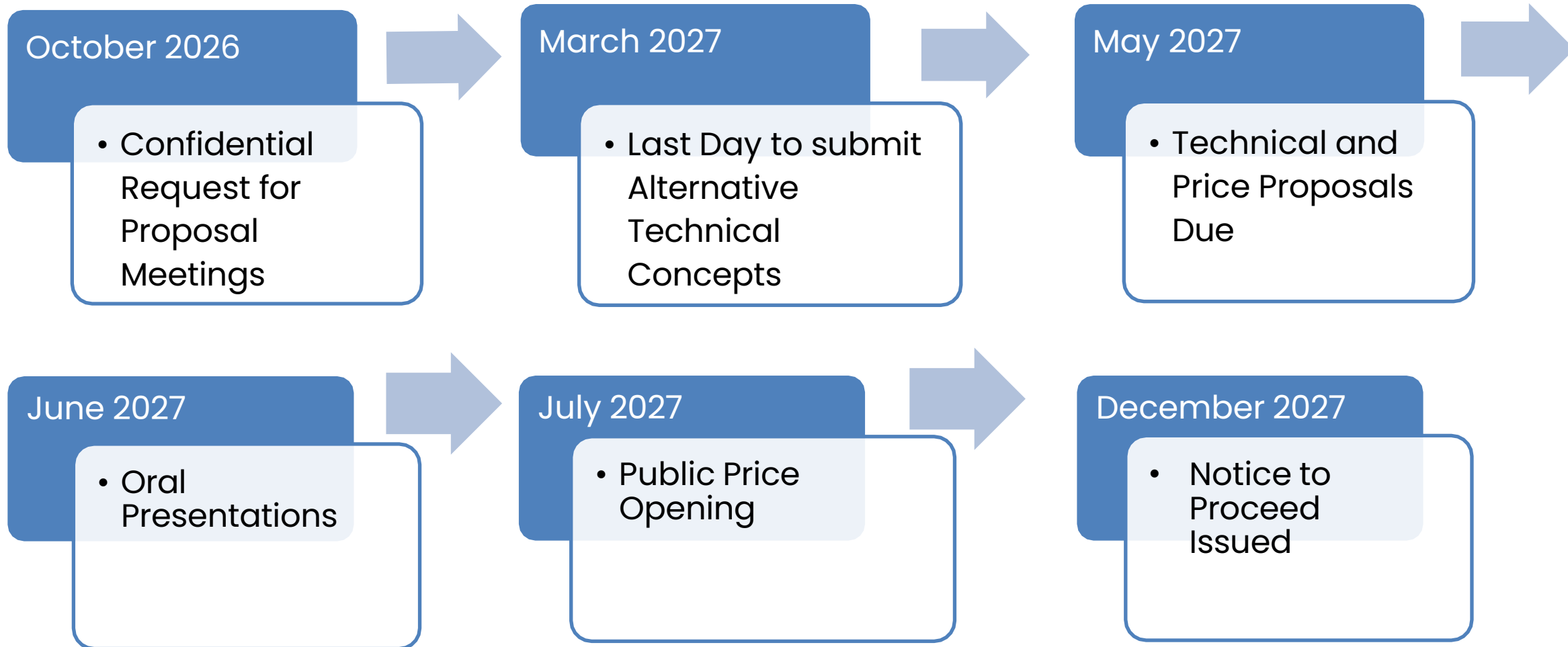
Procurement Process – Timeline

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Procurement Process –Timeline

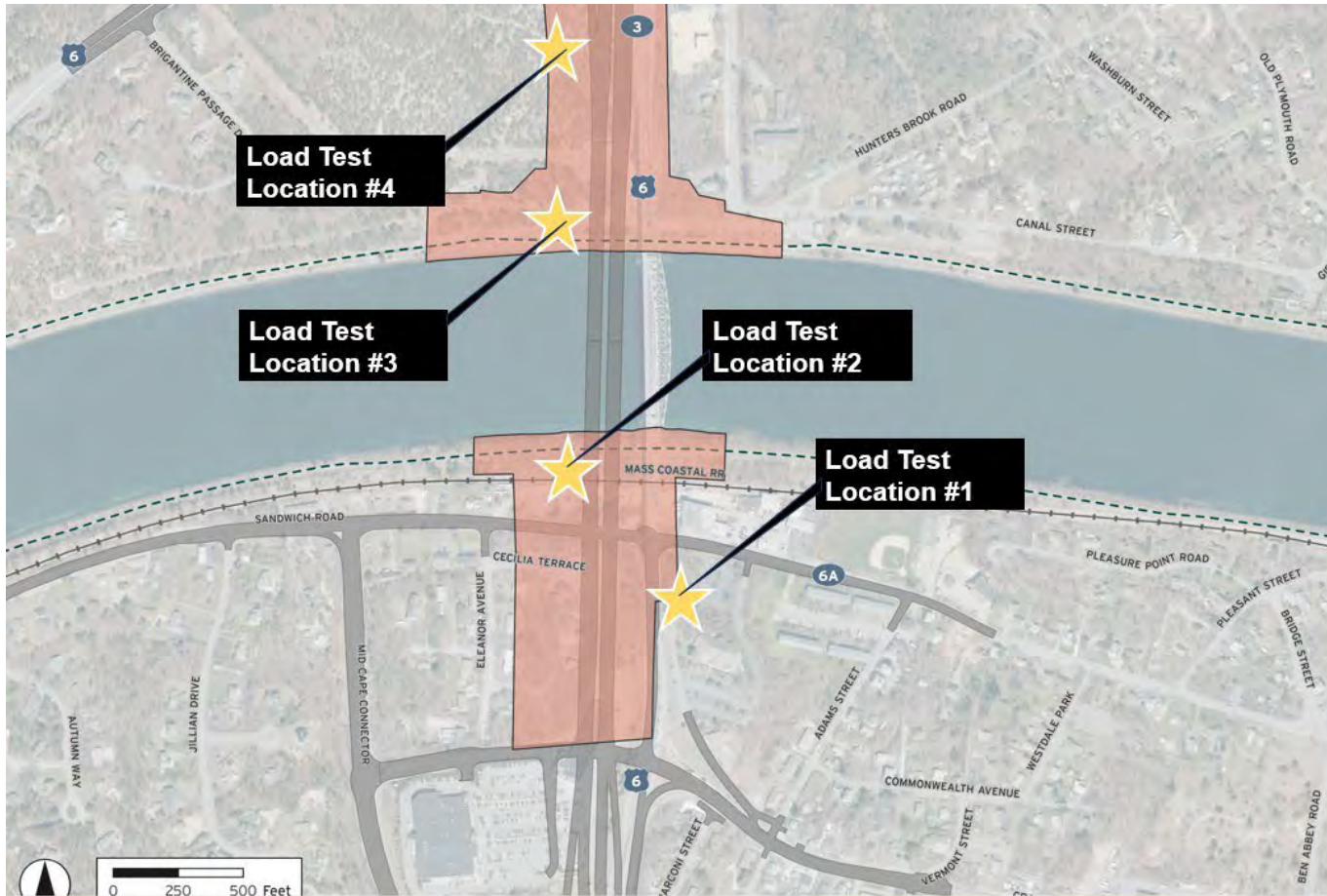
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Ongoing Activities and Next Steps

Ongoing Activities – Foundation Load Tests

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- Installation of piles and drilled shafts will generate data used to design the foundation of the new Sagamore Bridge
- Data will be shared with Design-Build Proposers to reduce risk of unexpected conditions in construction

Ongoing Activities – Foundation Load Tests

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Driven Piles – Location #1



Drilled Shaft – Location #3



Driven Pile – Location #4

Ongoing Activities and Next Steps

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- Preliminary Design Refinements
- Permitting
- Borings
- Field Survey
- Subsurface Utility Engineering
- Right-of-Way (partial strip takings, rights of access, and easements)
- Procurement Process

Communication and Outreach

Public Involvement
Communication Methods
Public Comment

Public Involvement

Public Involvement

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- April 6 – Sen. Fernandes Cape Cod Bridges Quarterly Forum
- May 7 and 19 – Bourne Select Board
- May 19 – Plymouth Select Board
- June 9 – Cape & Islands Bridges Coalition
- April 6 and June 12 – Cape & Islands Municipal Leaders Assoc.
- June 18 – Historical Society of Santuit & Cotuit
- August 27 – Senator Fernandes Cape Cod Bridges Forum



Communication Methods

Communication Methods

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Public comments on this hearing will be accepted through August 6, 2026

Cape Cod Bridges website

View the website at: mass.gov/cape-cod-bridges



Submit a comment online

Use the online comment form at: tinyurl.com/CCB-Form



Written comments

Written comments may be mailed to:

Attention: Cape Cod Bridges
Luisa Paiewonsky, Executive Director, Megaprojects Delivery Office
Anne Canady, Cape Cod Bridges Project Manager
State Transportation Building
10 Park Plaza
Boston, MA 02116

Public Comments

Public Comment

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Approach the microphone and wait your turn to ask questions or make comments.



To ensure accurate documentation of comments, **please identify yourself by name and affiliation and spell your last name** before your question or comment.



Please share only 1 question or comment at a time, limited to 2 minutes, to allow others to participate. Please allow other participants to make comments before asking additional questions.



Comments can also be submitted online or in writing.

**All questions and comments are subject to disclosure for public records.
Public comment and responses will be posted on the Cape Cod Bridges website.**

Thank You from the Cape Cod Bridges Team



Appendix

Scope and Background – Bourne Crossing

