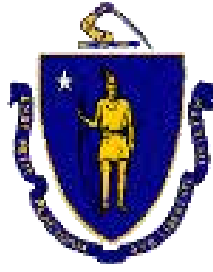


Neponset River Pedestrian Bridge at Osceola Street Mattapan to Milton

Public Listening Session

Wednesday, March 30, 2023, 6:00pm – 7:30pm
Virtual Meeting [\(Link\)](#)



Commonwealth of Massachusetts

Governor

Maura Healey

Lieutenant Governor

Kim Driscoll

Energy and Environmental Secretary

Rebecca Tepper

Department of Conservation and Recreation Commissioner

Douglas Rice



DCR Mission Statement

*To protect, promote and enhance our
commonwealth of natural, cultural
and recreational resources
for the well-being of all.*

Meeting Logistics

- Two ways to ask questions during the Q&A portion of the meeting:
 - Raise your hand
 - Use chat feature
- You will have the opportunity to submit comments until Friday, April 14th at:
 - DCR Public Comments
<https://www.mass.gov/forms/dcr-public-comments>
- *Please note that this meeting will be recorded; the recording will be a public record*

Meeting Purpose

- Introduce the Project and Team
 - Stella, Shanta, Michael
- Summarize Project Goals
- Introduce Our Design Process
 - Site Observations
 - Design Guidelines and Regulations
 - Project Elements: Bridge and Landings
- Listen to YOU, the public
- Review Next Steps



Neponset River Greenway Development

PEDESTRIAN
BRIDGE KICKOFF

&
NEPONSET - BLUE HILLS
FEASIBILITY STUDY
KICKOFF

EDGEWATER TRAIL
KICKOFF

BLUE HILL AVE TO
CENTRAL AVE

TENEAN BEACH TO
MORRISSEY
BOULEVARD
Construction Start
January 2023

1999

POPE JOHN
PAUL PARK

2010

TRUMAN PARKWAY -
NORTHERN
SECTION

2015

TRUMAN PARKWAY -
SOUTHERN
SECTION

2017

2021

2022

2023-2025

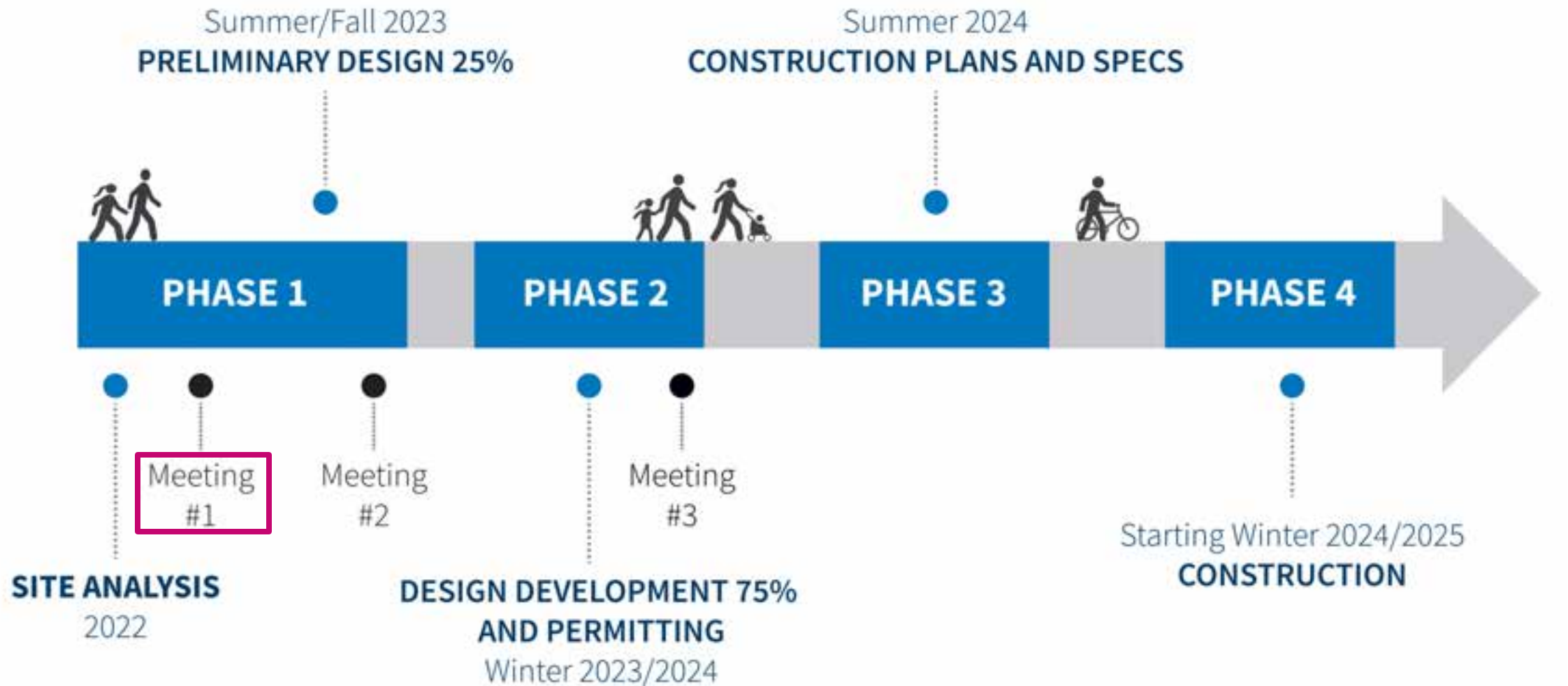


Project Goals

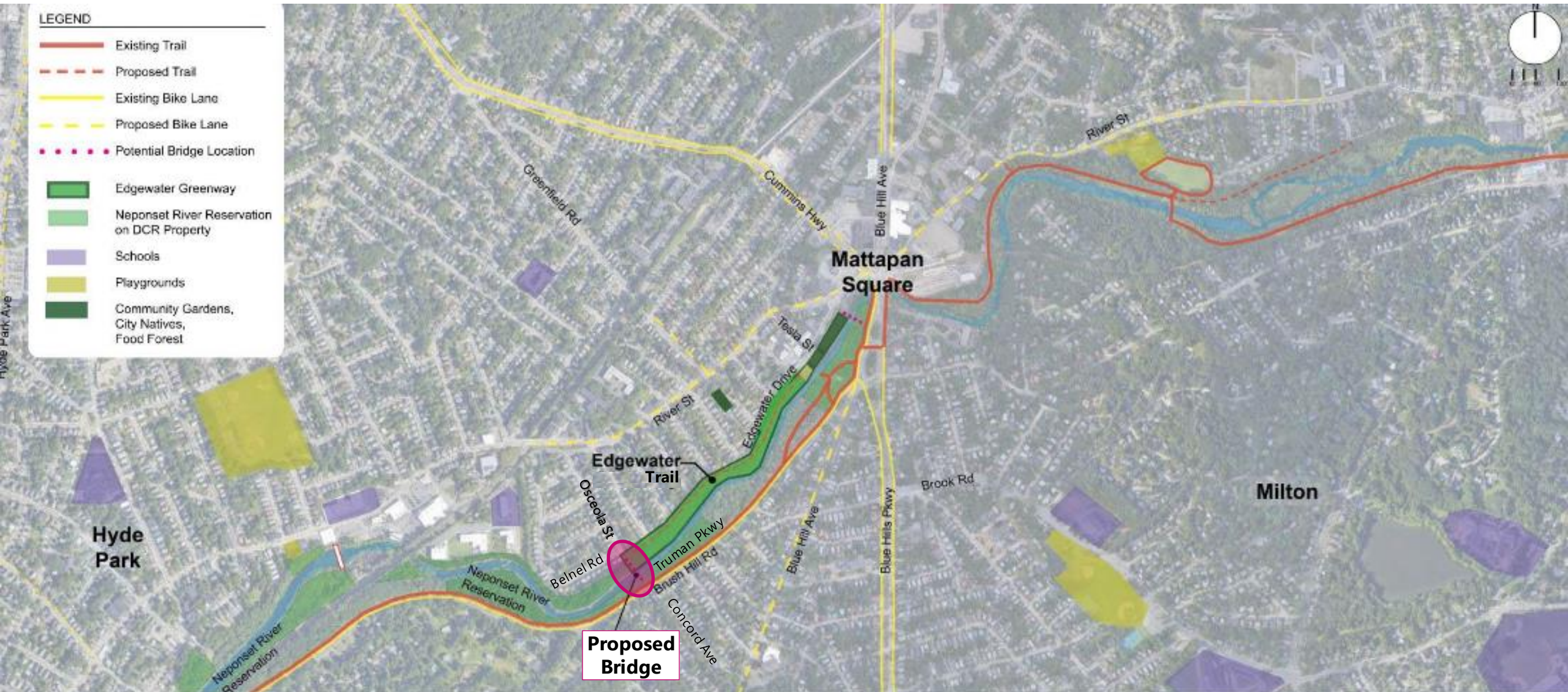
- Enhance community connectivity
- Improve access to recreation and healthy living for all
- Increase safety and convenience
- Enhance and protect the natural and cultural resources
- Contribute to climate resiliency
- Develop a constructible and maintainable facility



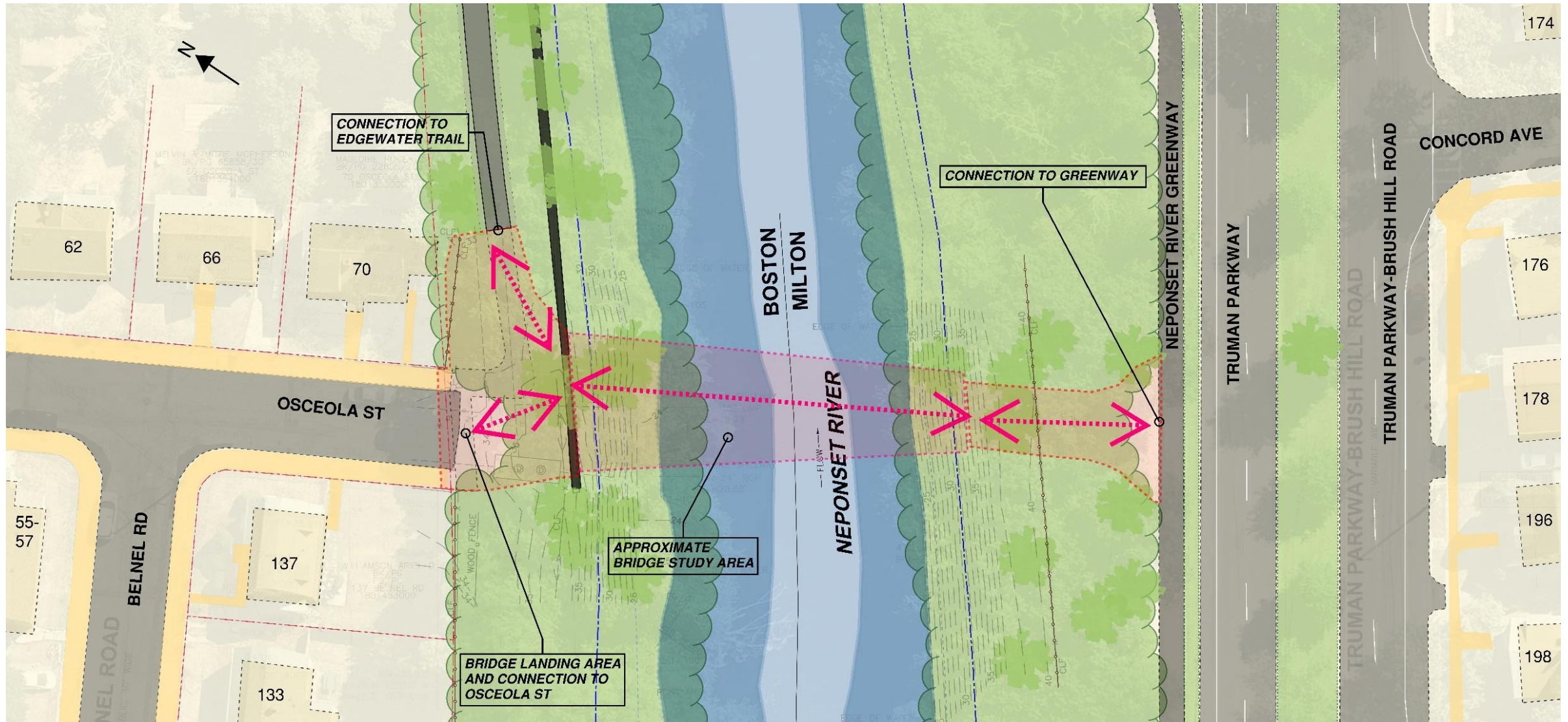
Project Schedule



Project Locus



Site Plan – Connections and Approximate Crossing Location





Proposed location of bridge entrance, Truman Pkwy



Neponset River near prop. Bridge crossing location



Neponset River Greenway, looking East



Neponset River Greenway, looking West



Photo map



Mattapan bank from Neponset River



Milton bank from Neponset River



Neponset River upstream



Neponset River downstream



Photo map



End of Osceola Street, proposed bridge entrance



View of river over historic wall, near prop. bridge



Edgewater Trail connection location, looking East



Looking west from end of Osceola Street



Photo map

Bridge Design Guidelines and Regulations

- **ADA Accessibility:** Americans with Disabilities Act (ADA), AAB
 - Standards for Accessible Design
- **MassDOT:** Massachusetts Department of Transportation
 - Bridge Design Manual
 - Project Development & Design Guidelines (PDDG) - Complete Streets
- **AASHTO:** American Association of Highway and Transportation Officials (AASHTO)
 - Guide Specifications for Design of Pedestrian Bridges
 - LRFD Bridge Design Specifications
 - Guide for the Development of Bicycle Facilities
- DCR Trails Guidelines and Best Practices Manual
- City of Boston Standards (Public Works Dept Roadway Design Standards, BWSC)
- U.S. Forest Service Trail Accessibility Guidelines (FSTAG)
- International Building Code (IBC)
- State, Local, and Federal Laws and Permit Requirements

Bridge Design Loading



Pedestrian / Cyclist

90 LB/FT²



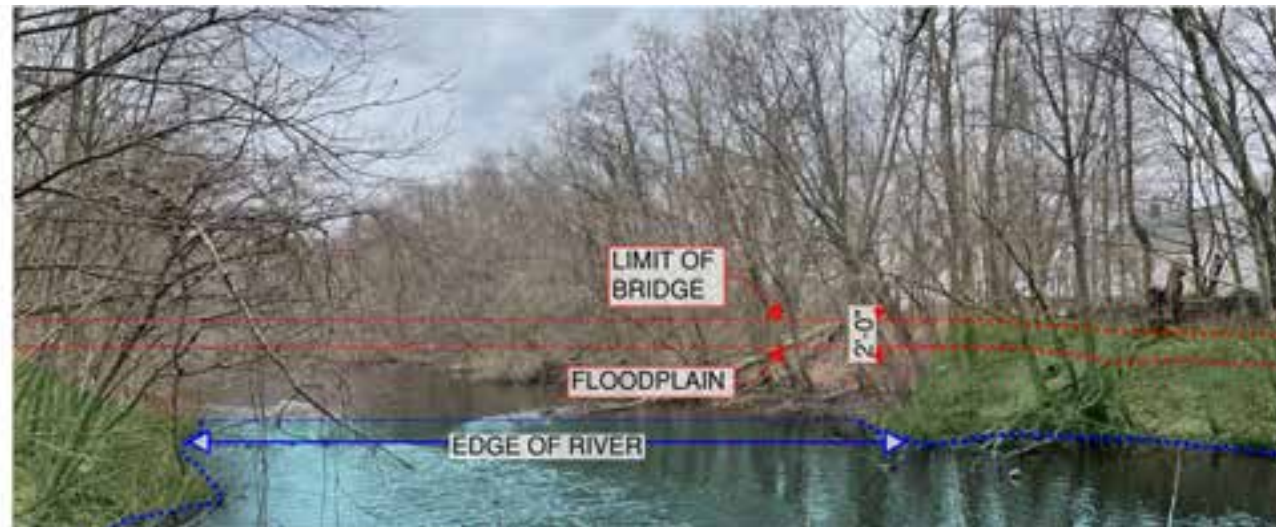
Emergency Vehicle

"H10"

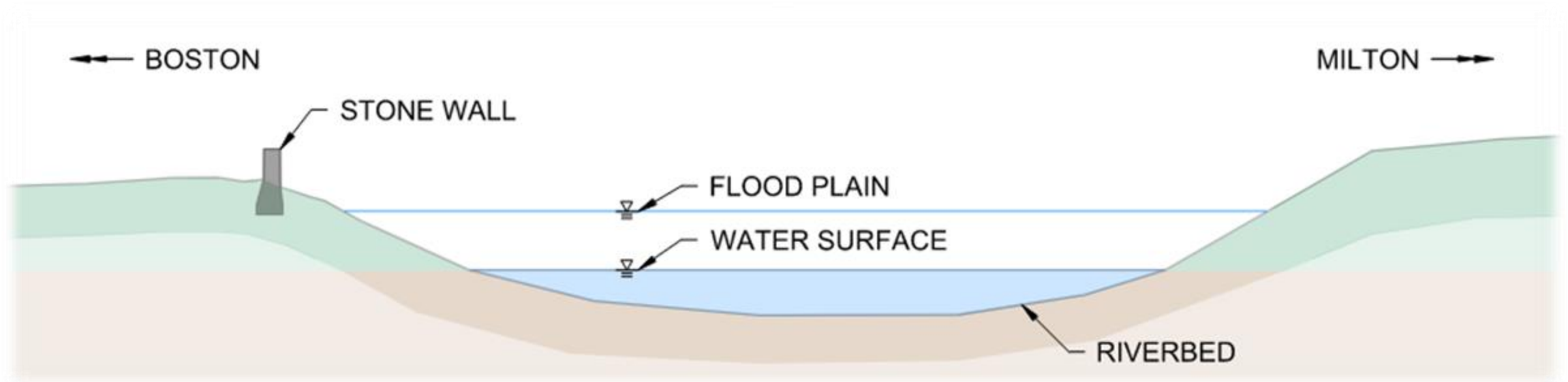
Front Axle = 4,000 LB

Back Axle = 16,000 LB

Bridge Geometric Considerations

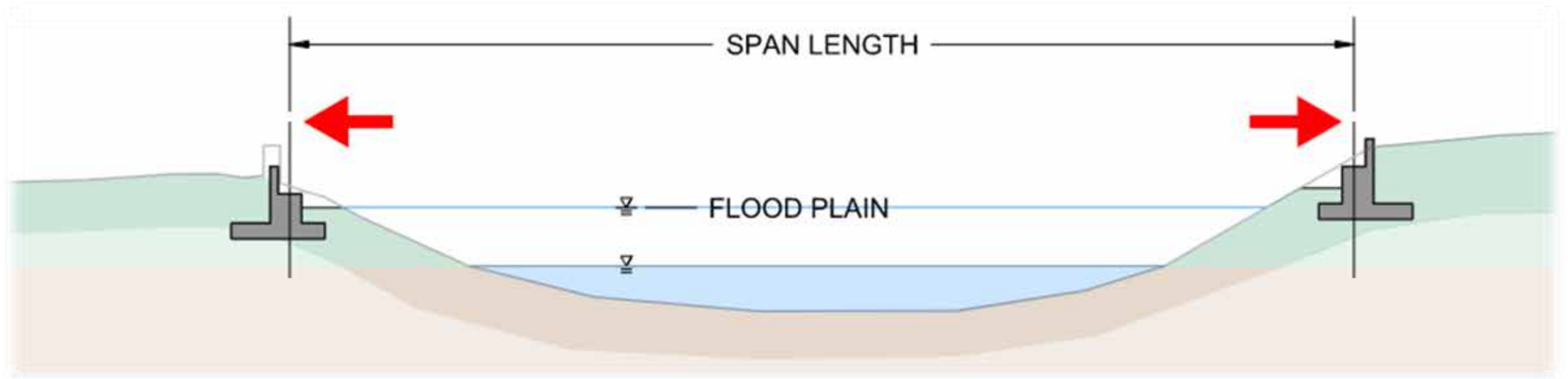


Bridge Geometric Considerations



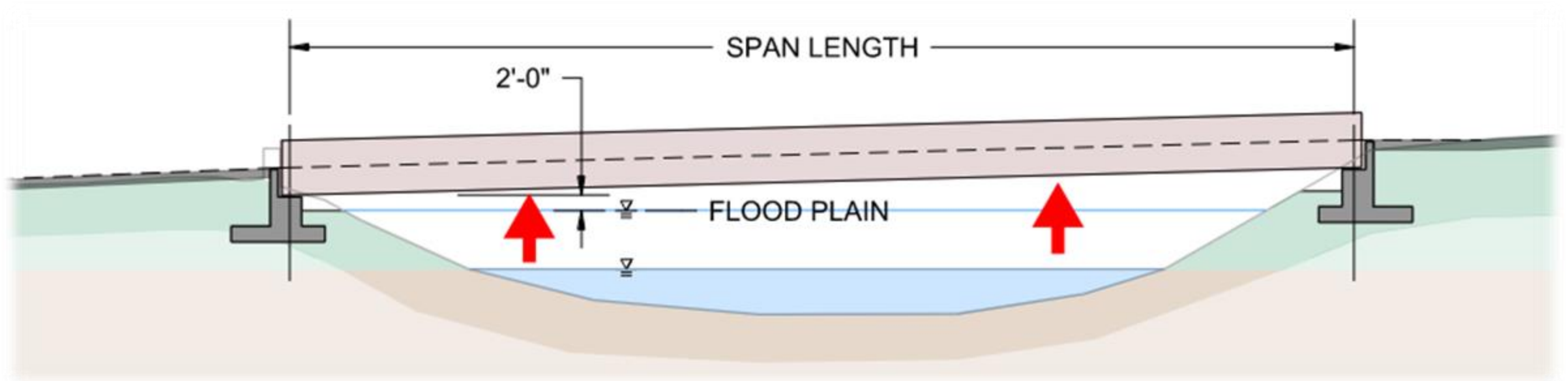
Bridge Geometric Considerations

Constraints - Horizontal



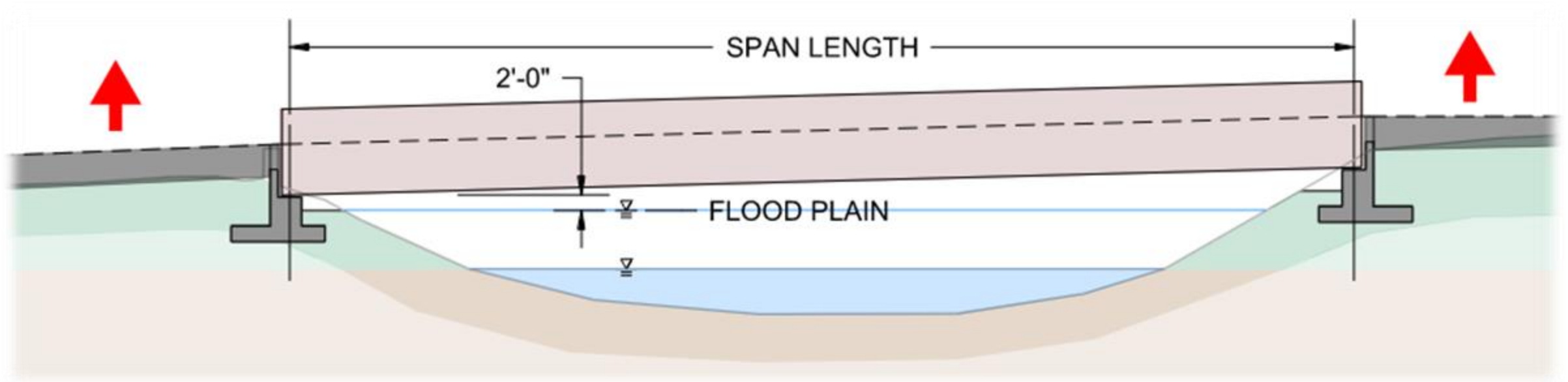
Bridge Geometric Considerations

Constraints - Vertical



Bridge Geometric Considerations

Constraints - Vertical



- Impacts of a deeper structure on profile grade

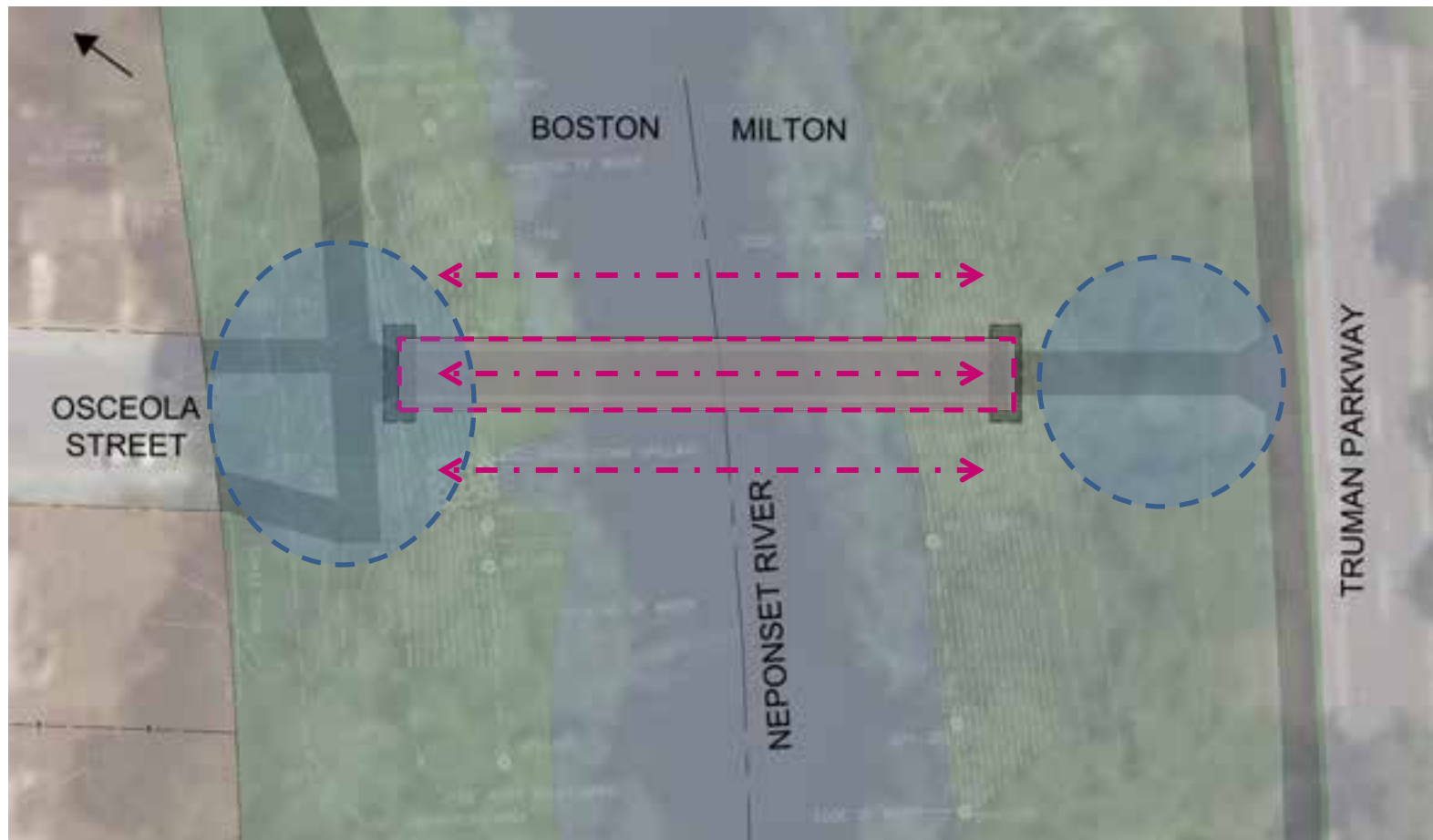
Bridge Geometric Considerations

Alignment - Connections



Bridge Geometric Considerations

Alignment – Square (perpendicular to river)



Landing Area



Bridge



Potential Alignments



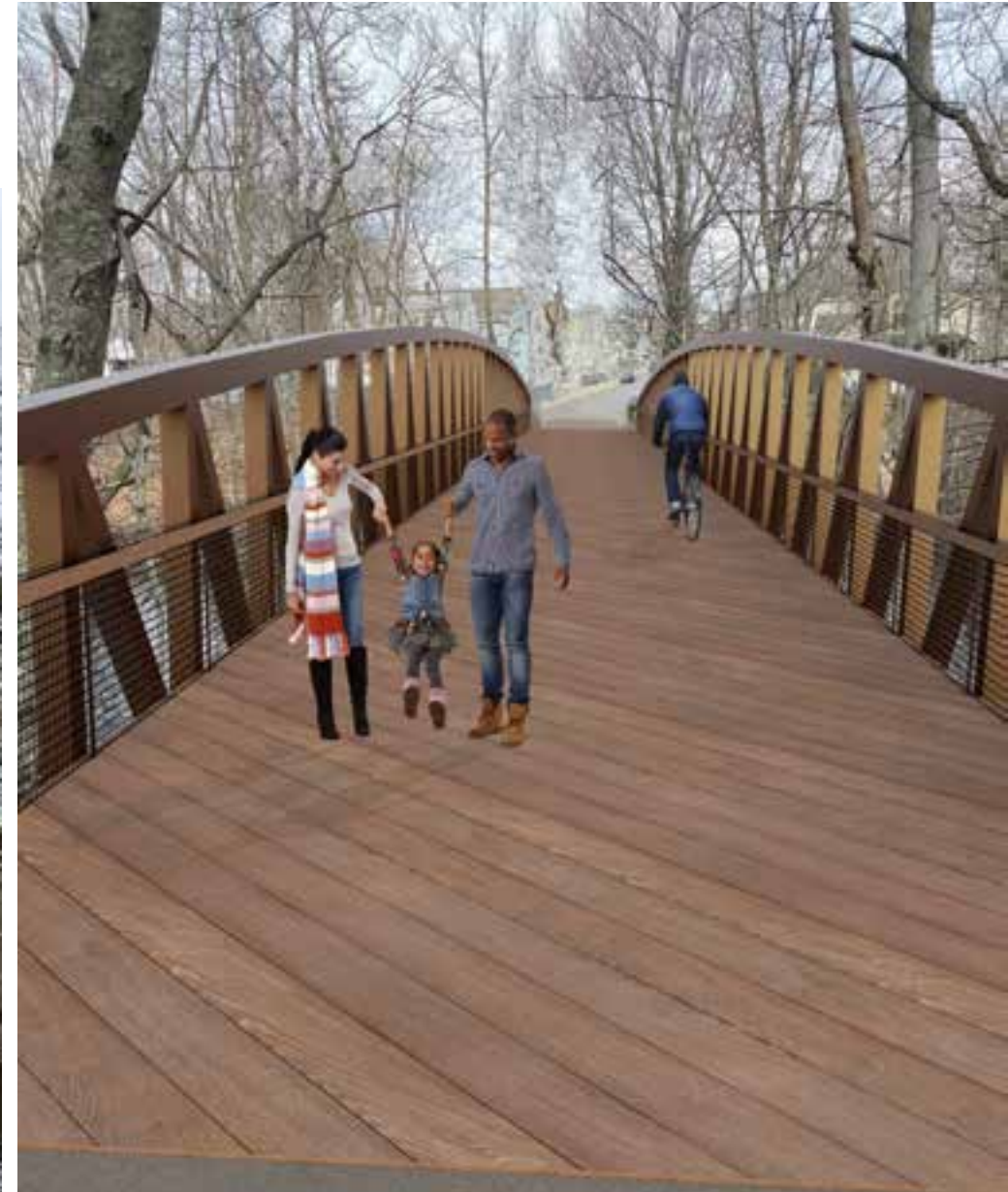
Other Bridge Considerations

- Deck Width
- Right of Way (and adjacency to private properties)
- Profile Grades (ADA compliant slopes, retaining walls)
- Constructability
- Maintainability
- Safety and Security
- Vehicular Restrictions, Emergency Vehicle Access
- Bridge Structure Types and Aesthetics

Bridge Examples – Trusses



Bridge Structure Types - Truss



Bridge Examples – Through-Plate Girder (TPG)



- Blackstone River Greenway (above, right-bottom)
- Columbia Greenway (right-top)

Bridge Structure Types - TPG



Bridge Examples - Arches



■ Blue Heron Bridge - Newton



■ Harvest River Bridge – Boston-Milton

Bridge Structure Types - Arch



Resource and Permitting Considerations

Environmental and Water Resources

- Wetlands Protection Act – Riverfront Area
- Chapter 91 Navigable Waterways License
- Stormwater Management
- Flood Plain

City of Boston

- City of Boston PIC (Public Improvement Commission)
- Utility Coordination - public and private, underground and overhead

Cultural

- *Refer to next slide*



Archaeology Coordination

Status

- Consultation initiated October 2022
- State Archaeologist permit for intensive-level survey by Gray & Pape issued November 2022
- Intensive-level survey with test pits in progress

Consultation

- Massachusetts Historical Commission/ State Archaeologist
- Boston Landmarks Commission/ City of Boston Archaeologist
- Milton Historical Commission
- Mashpee Wampanoag Tribe
- Wampanoag Tribe of Gay Head (Aquinnah)
- Massachusetts Tribe at Ponkapoag
- Massachusetts Commission on Indian Affairs



St. Wily, near sta 156+00--Neponset River P.O.--0296--9/28/67
Photo Maloy 0296--145

Bridge Entrances and Landscaping Considerations

Bridge Landings and Connections

- Visibility and safety
- ADA accessibility
- Emergency access to bridge
- Signage (interpretive and wayfinding)
- Lighting
- Plantings
- Site Amenities and Materials
- Match / coordinated with Bridge Materials

Connection to Edgewater Trail and Osceola Street in Boston

- Elevation change to bridge
- Create a stopping/ gathering spot? Or Simple connection?
- Edgewater Trail Trailhead

Connection to Neponset River Greenway in Milton

- Connection point along Greenway
- Intersection details. Gateway?



Bridge Entrances and Landscaping



DCR "Kit of Parts"—Amenities



Plaza with Signs and Seat Wall



Rustic granite Seat



Outdoor Game Table



Shurcliff Bench



Trash Receptacle



Drinking Fountain

DCR “Kit of Parts”—Signage





Listening Session

- **What are your goals for this project?**
- **Do you have preferences for bridge features?**
- **Do you have ideas for amenities?**
- **Do you have questions about the process?**
- **What additional considerations do you recommend?**

Additional Information

For more information:

www.mass.gov/dcr/past-public-meetings

If you have comments or suggestions on this project:

Submit online: www.mass.gov/dcr/public-comment

Deadline: April 14, 2023

Note: Public comments submitted to DCR may be posted on the DCR website in their entirety, and no information, including contact information, will be redacted.

If you wish to subscribe to a DCR general information or project-related listserv: contact DCR's Office of Community Relations at 617-626-4973 or Mass.Parks@mass.gov