

Mystic River Bicycle and Pedestrian Crossing

DCR Public Meeting

Monday, February 12, 2018 – 6:30-8:00pm
Partners Health Care, Assembly Row
399 Revolution Dr., Somerville, MA 02145



Commonwealth of Massachusetts

Governor

Charles D. Baker

Lieutenant Governor

Karyn E. Polito

Energy and Environmental Secretary

Matthew A. Beaton

Department of Conservation and Recreation Acting Commissioner

Leo Roy

Mayor of Somerville

Joseph Curtatone

Mayor of Everett

Carlo DeMaria

AECOM



DCR Mission Statement

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

Tonight's Meeting - Purpose

- Provide an overview of the conceptual design for the Mystic River Pedestrian and Bicycle Crossing.
- Provide an opportunity for the public to comment on the conceptual design of the bridge.

Project Purpose

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- **Regional Connectivity:** Provide Missing Link in Regional Trail Network
 - Northern Strand across the river to the MBTA
 - North and South along the Mystic River
- Reduce traffic by providing pedestrian and bicycle access
 - Between Everett and Somerville
 - From Somerville to surrounding areas
- Provide Everett access to the MBTA (Assembly Station)

Project Purpose

Multiple Planning Studies recommend the Mystic River Crossing

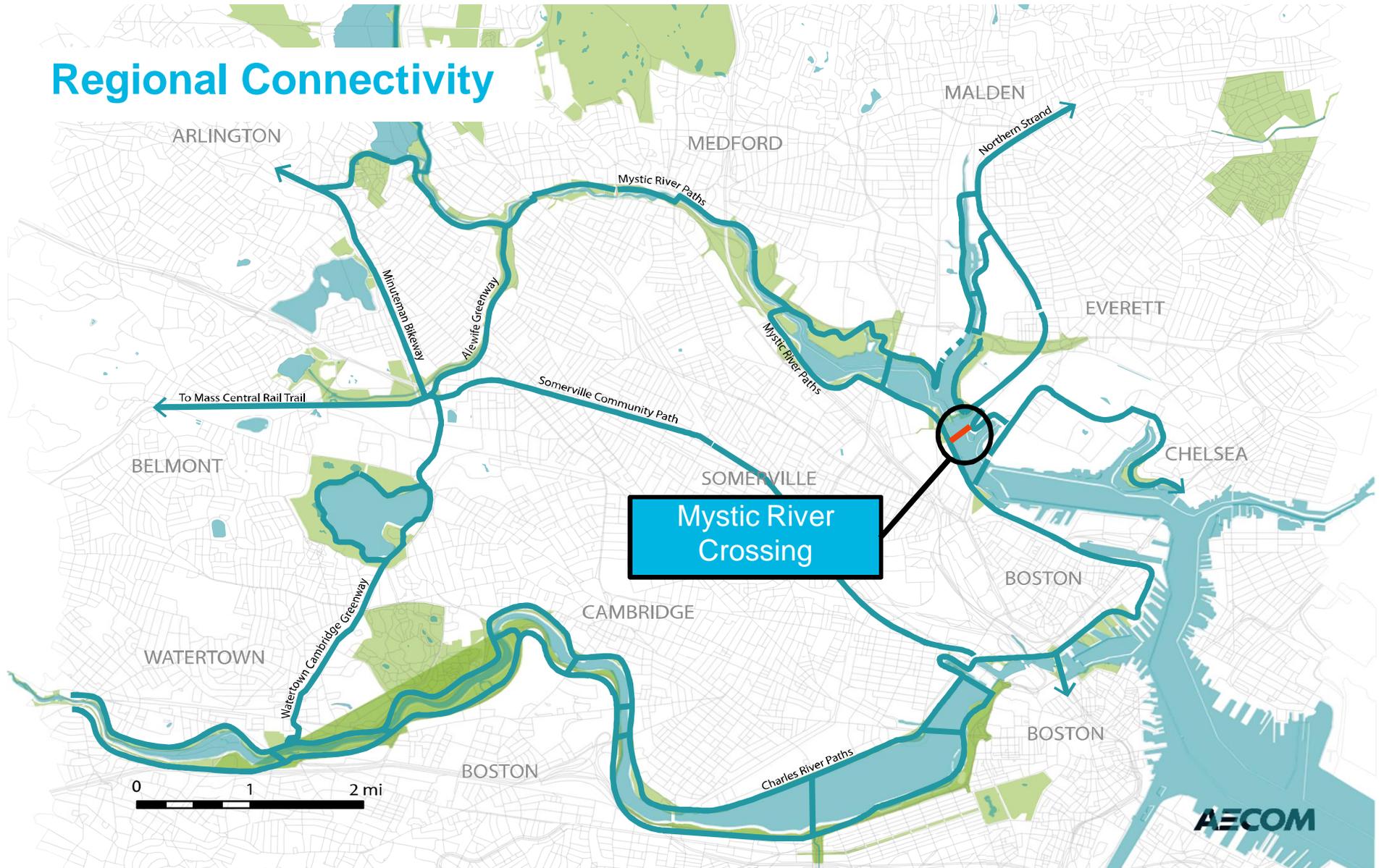
The collage features four overlapping document covers:

- Sustainable Metro Boston**: Northern Strand Trail Communities Bicycle and Pedestrian Network Plan. July 2013.
- BIKE TO THE SEA, INC.**: CONNECTING COMMUNITIES WITH A TRAIL TO THE SEA.
- MyRWA**: Mystic River Watershed Association. your community • your watershed.
- LOWER BROADWAY DISTRICT | EVERETT MASTER PLAN**: Planning for pride, progress and possibilities. February, 2013.

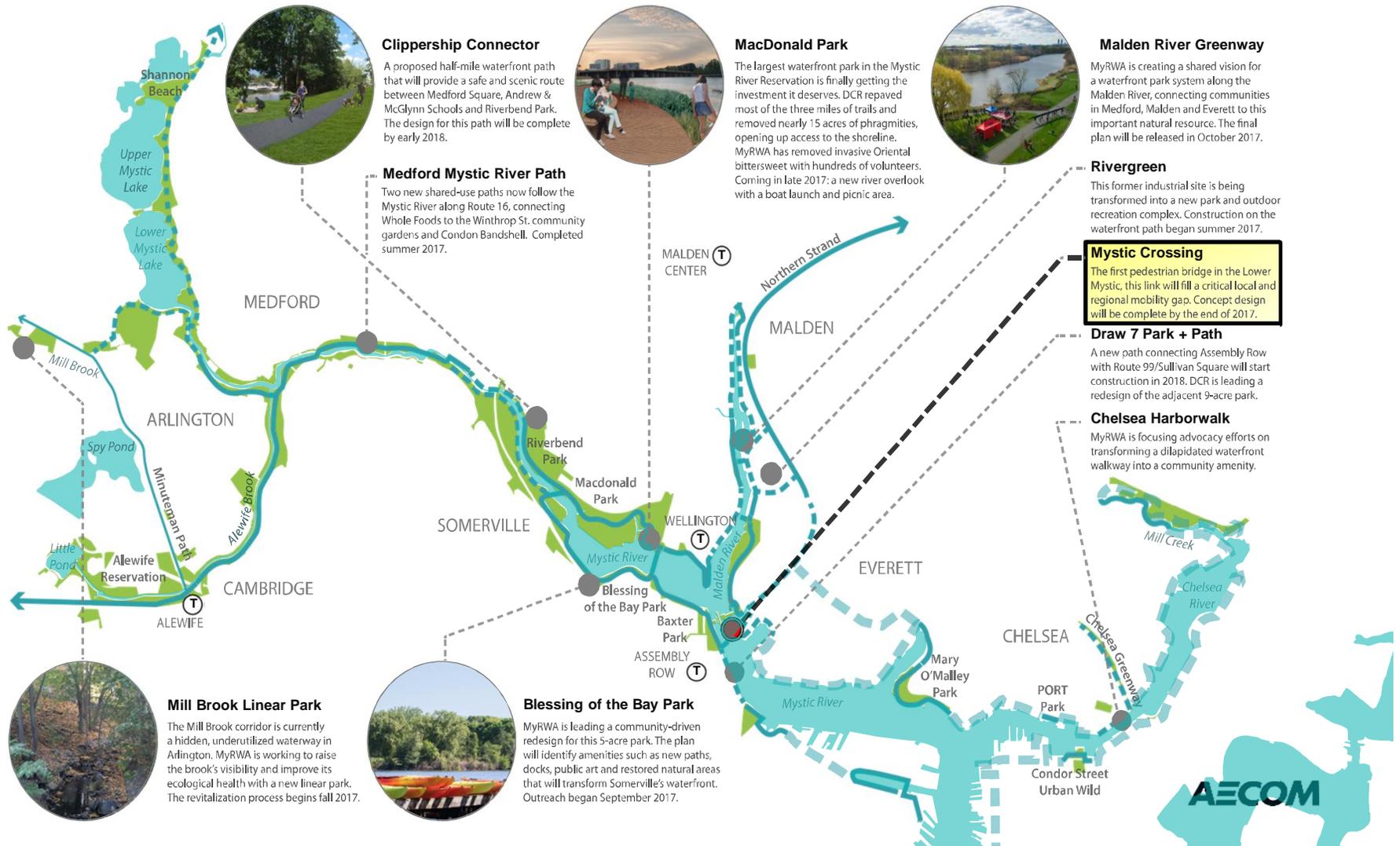
Additional text from the 'Bicycle & Pedestrian Crossing of the Mystic River' cover:

Alternatives Analysis
Bicycle & Pedestrian Crossing of the Mystic River
Somerville, Everett Massachusetts
Prepared for: Exelon New England Holdings LLC and Massachusetts Department of Conservation & Recreation
Prepared by: VHB/Vanasse Hangen Brustlin, Inc. Watertown, Massachusetts
June 2009

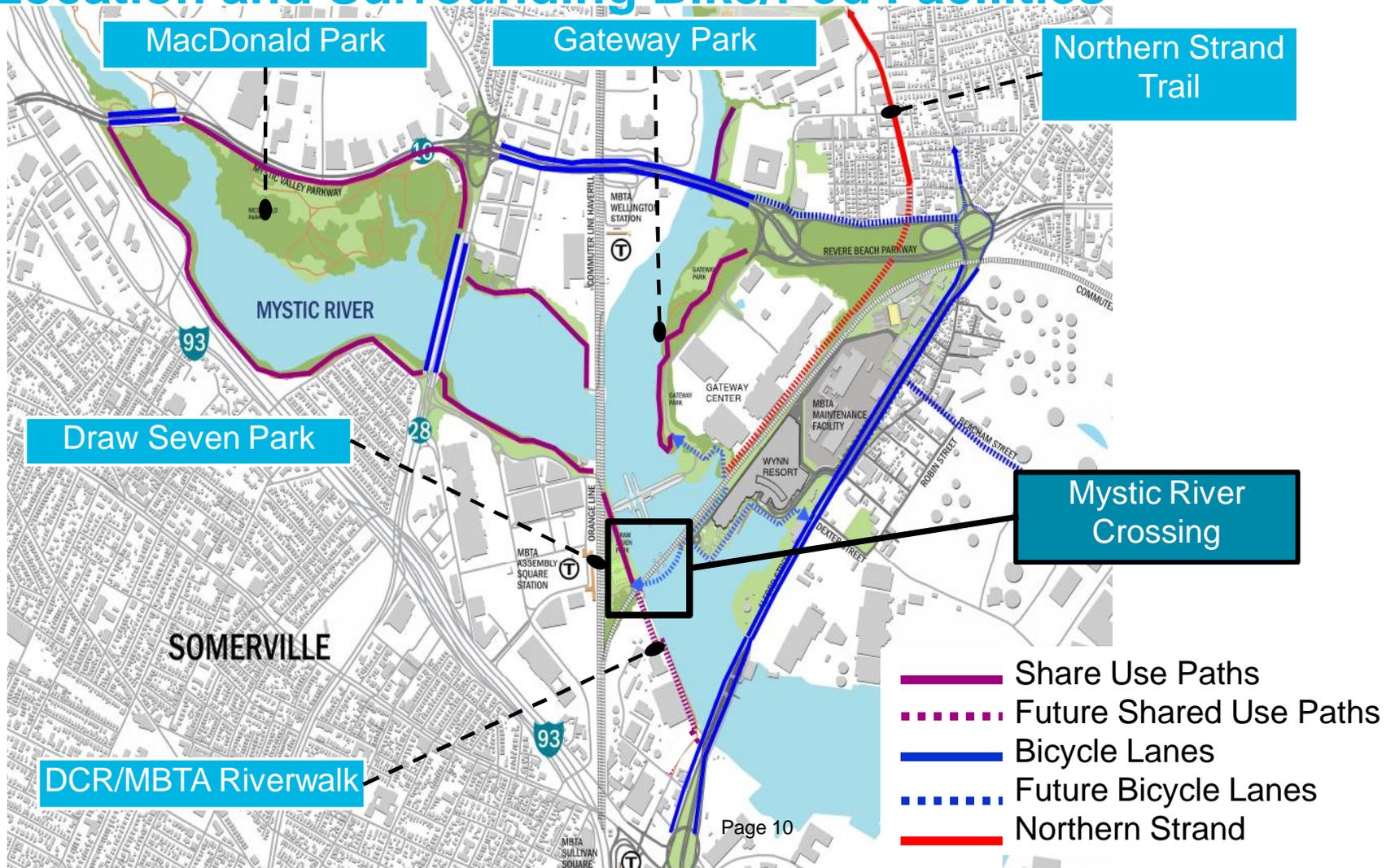
Regional Connectivity



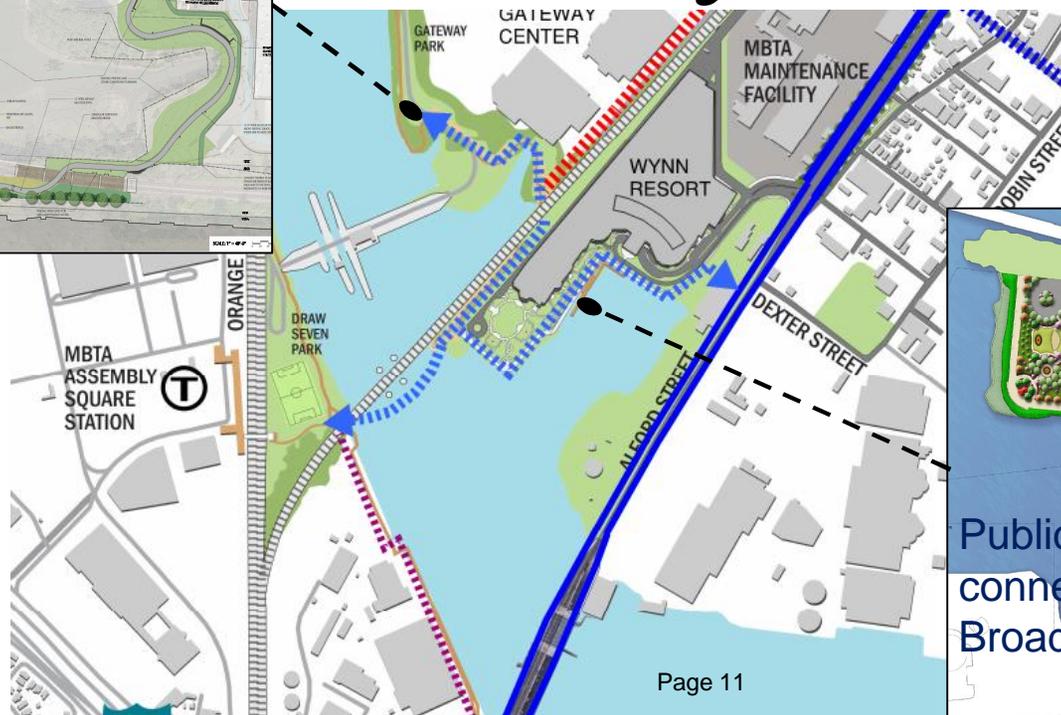
MYSTIC GREENWAYS PROGRESS



Location and Surrounding Bike/Ped Facilities



Proposed Bicycle – Pedestrian Connections North Landing



Proposed Bicycle – Pedestrian Connections South Landing

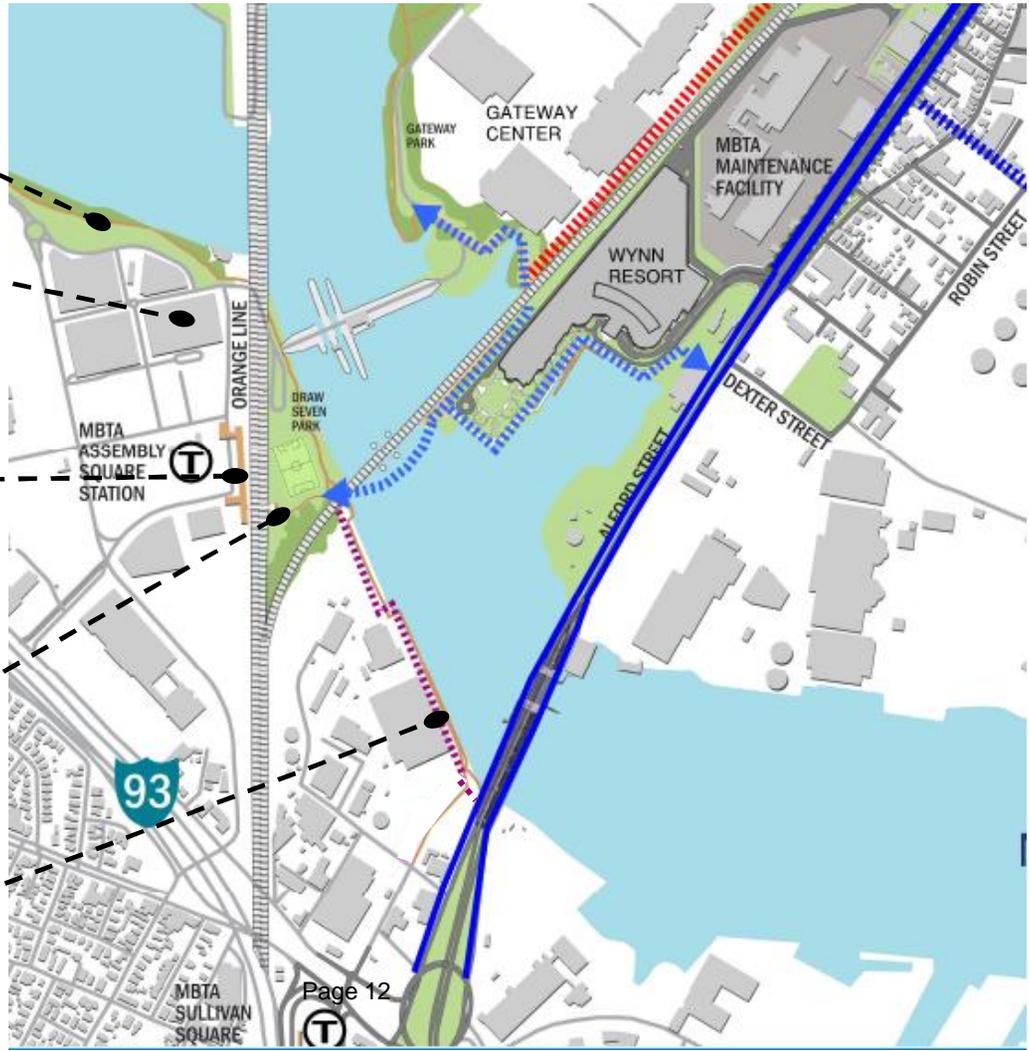
Mystic River Trail

Assembly Row

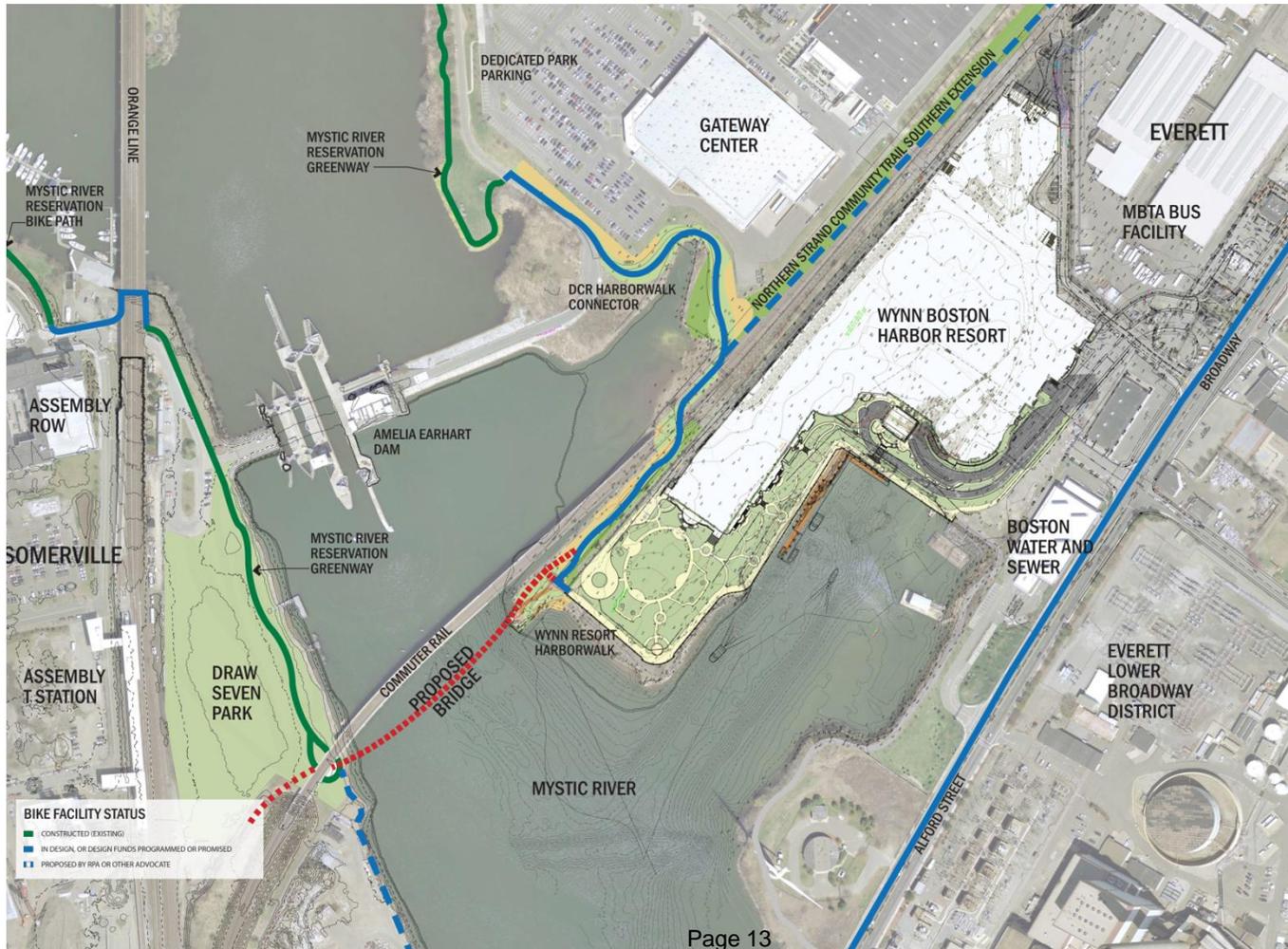
MBTA Assembly
Station

Draw Seven Park

DCR/MBTA
Riverwalk



Location and Surrounding Facilities

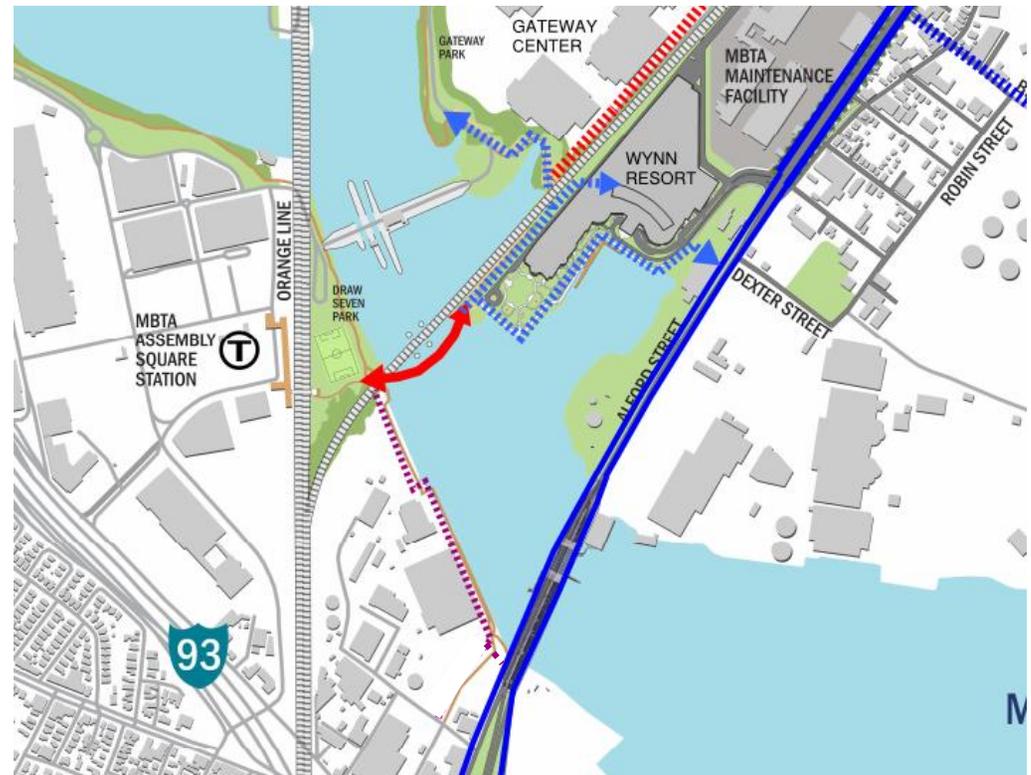


Pedestrian and Bicycle Use Forecast

- Estimated volumes on new bridge:

Weekday		Weekend
2,040		2,320
350		390
<hr/> 2,390		<hr/> 2,710

- Bridge serves different trips:
 - Everett ↔ Assembly Sq.
 - Recreational
 - Lower Broadway and Wynn employees
 - Assembly Row/Wynn patrons



Stakeholder Process

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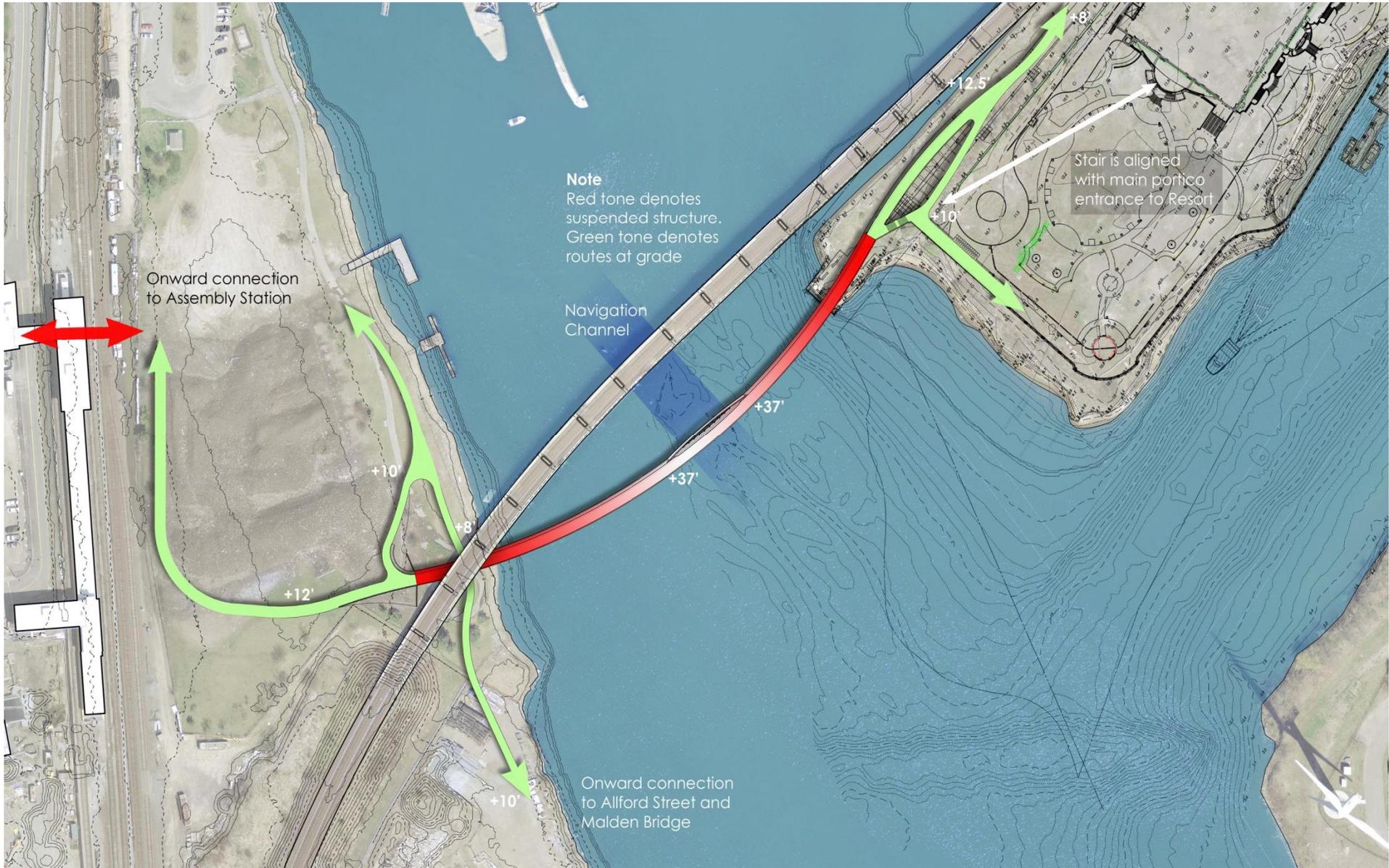
Stakeholders

- DCR
- City of Somerville
- City of Everett
- MBTA
- MassDOT
- Mystic River Watershed Association
- Massachusetts Gaming Commission
- Federal Realty Trust
- Wynn Boston Harbor

Bridge Alignment

Alignment Objectives

- Most direct route
- Limit foundations in water
- Vertical Clearance
- Future Silver Line bridge not to be precluded
- Connection to Harborwalk and Draw 7 Park
- Onward Connection to the MBTA Assembly Station and Assembly Row



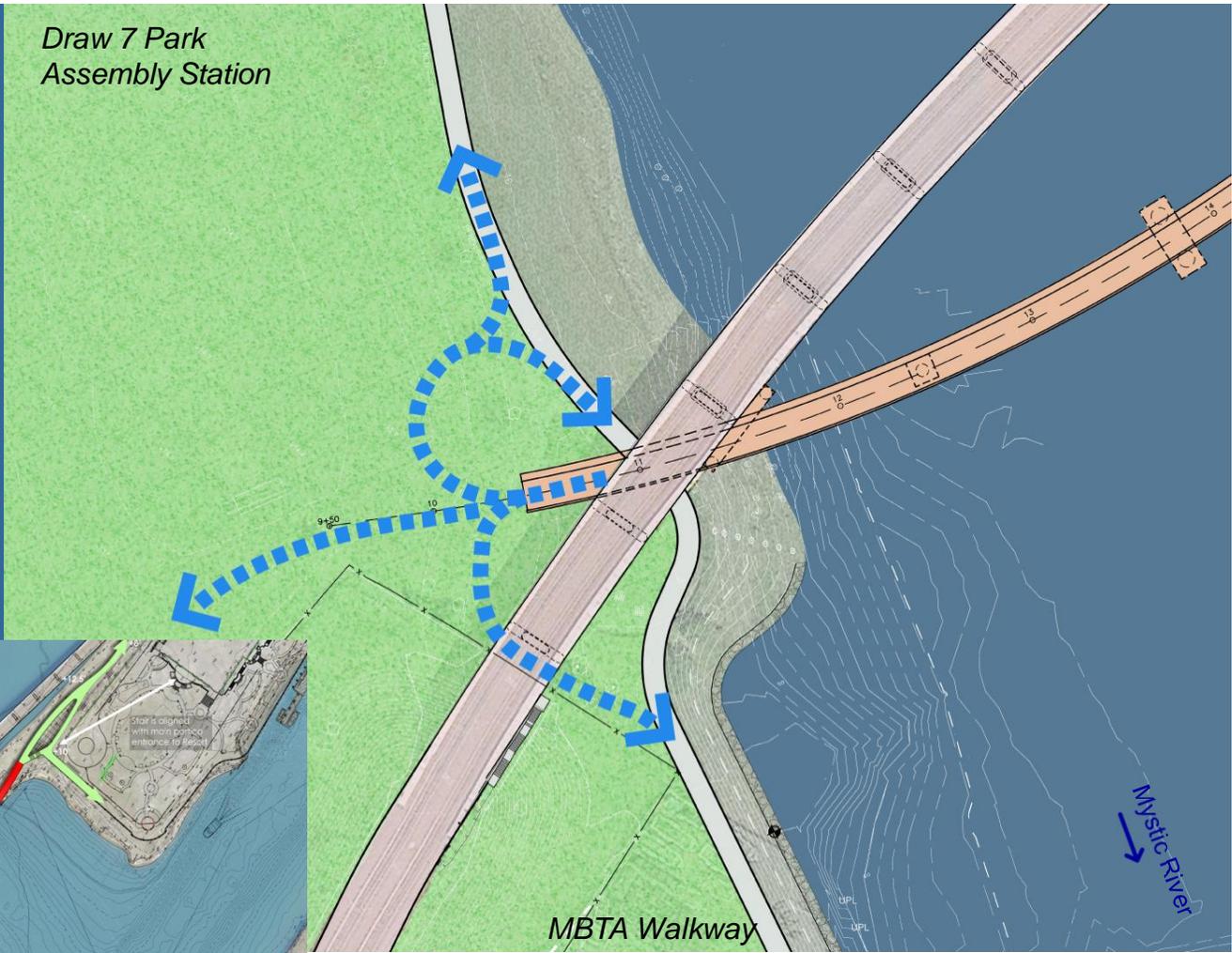
Landings



South Landing - Somerville Touchdown

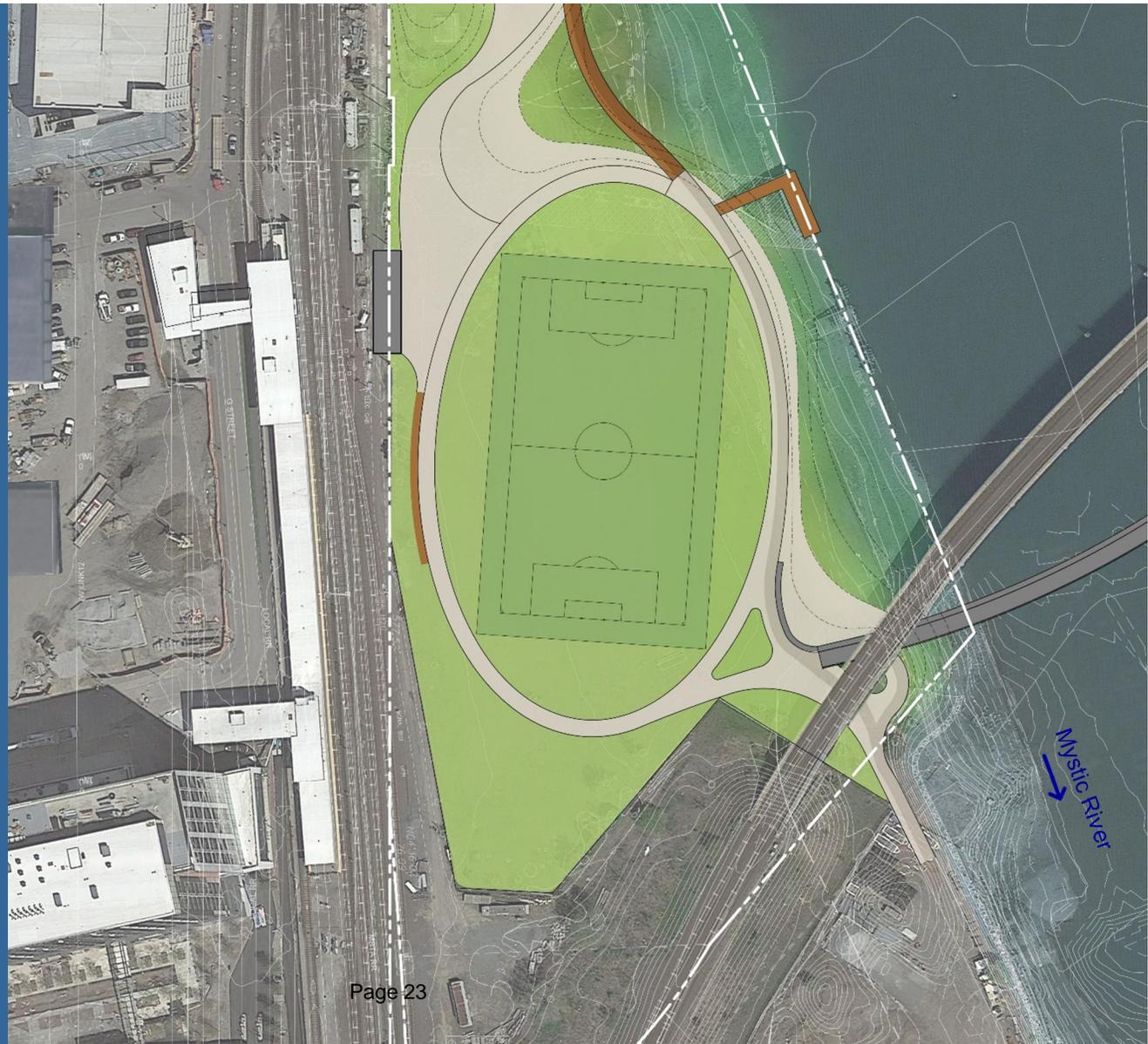
Draw 7 Park Destinations

Draw 7 Park
Assembly Station



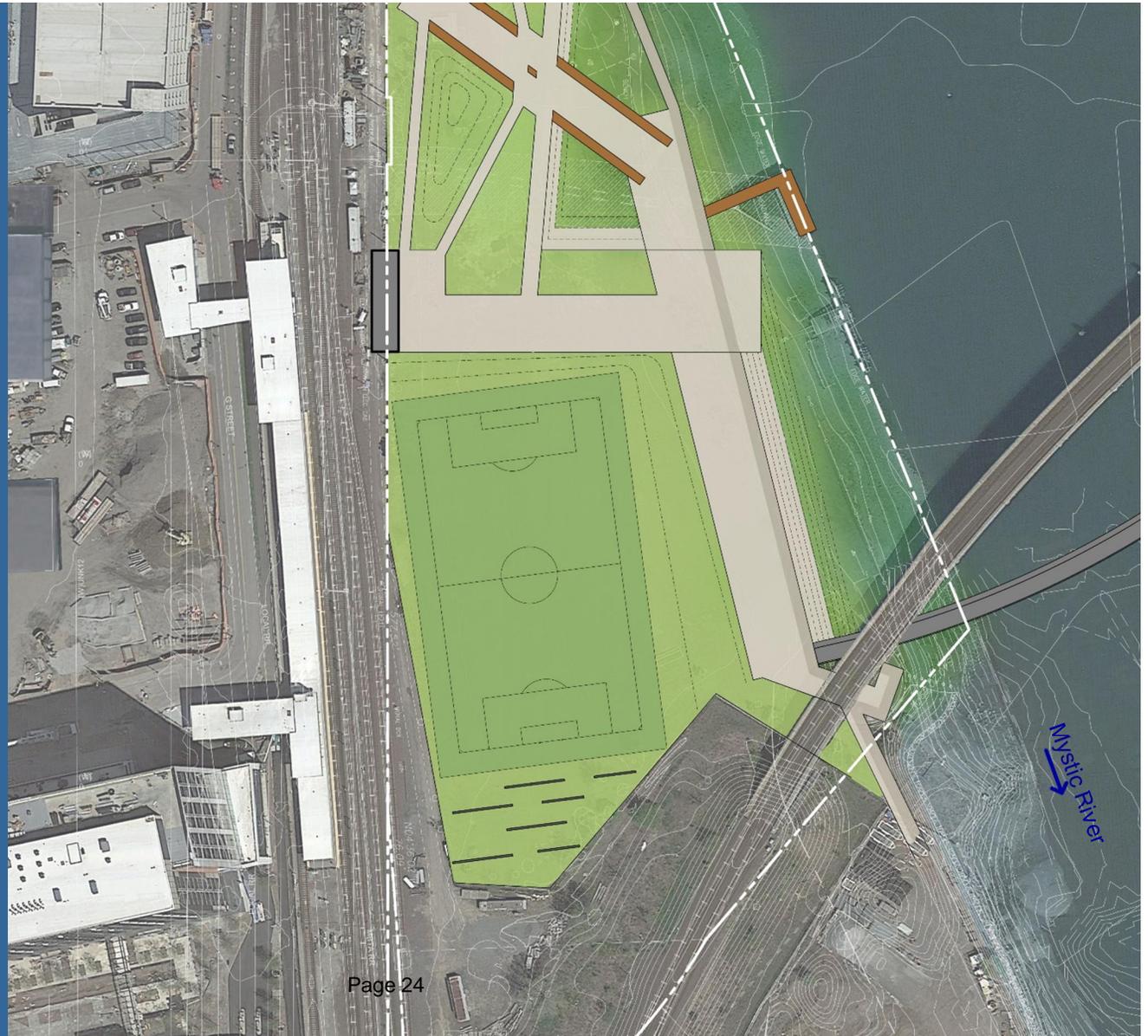
South Landing - Somerville Touchdown

Draw 7 Park Option A - Curves



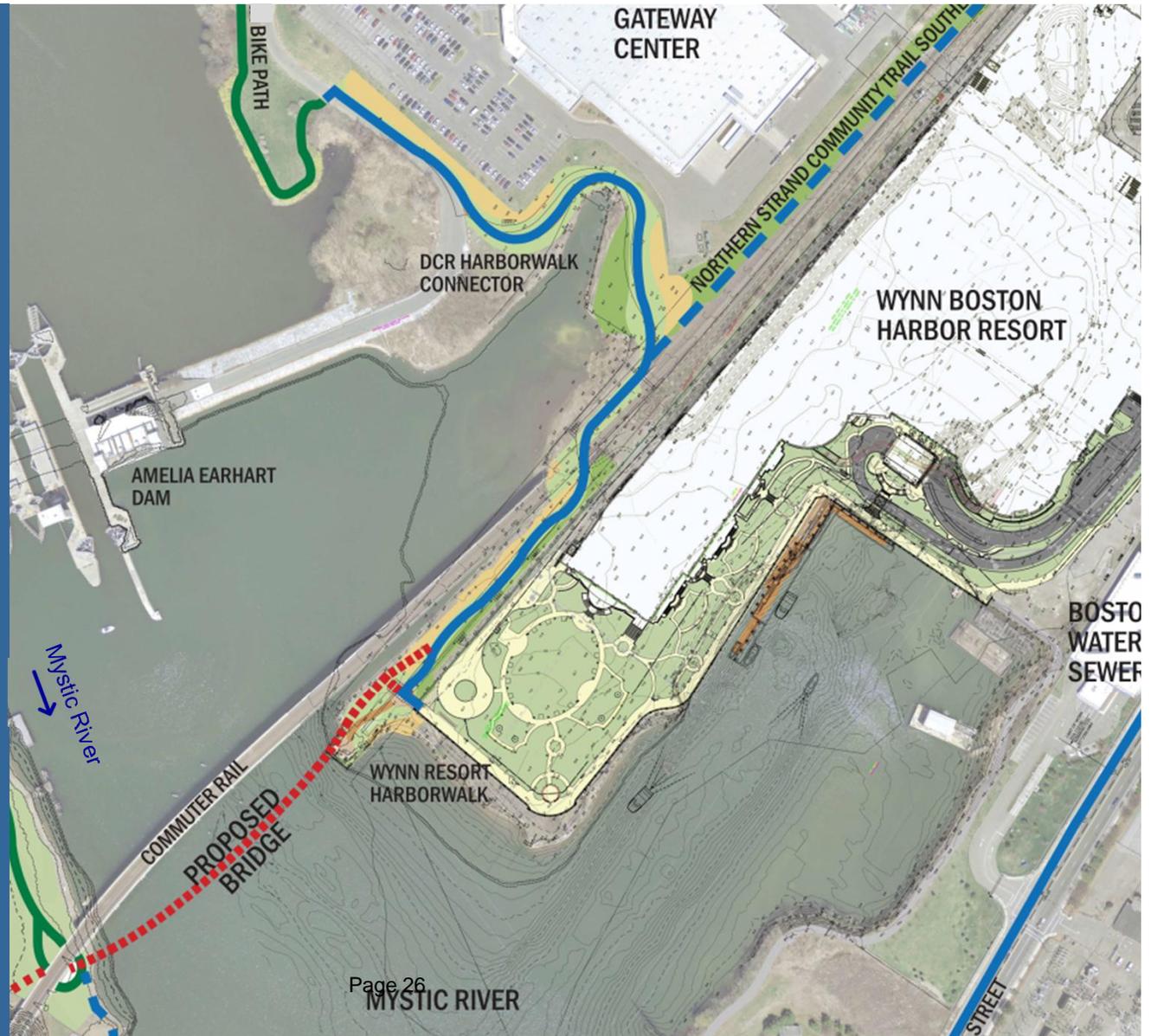
South Landing - Somerville Touchdown

Draw 7 Park
Option B - Angles



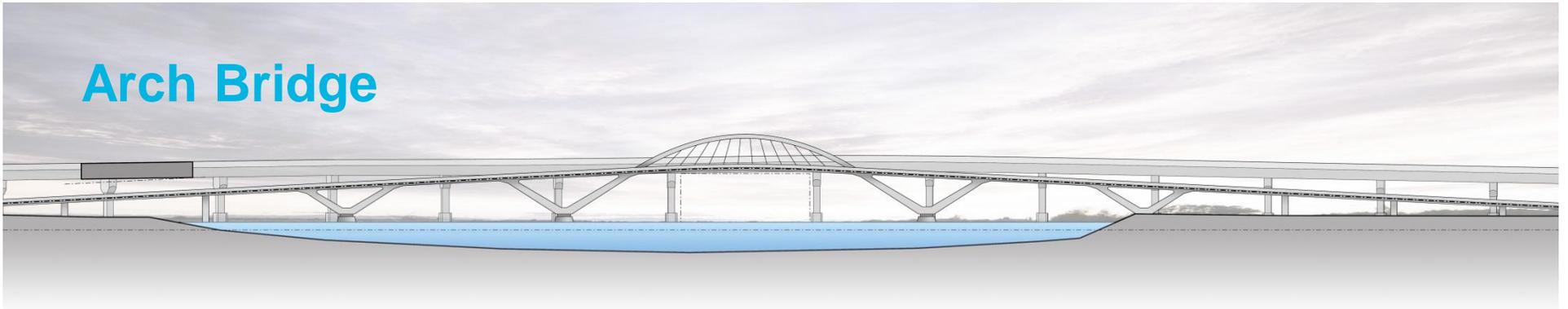
North Landing - Everett Touchdown

Wynn Boston Harbor



Structure

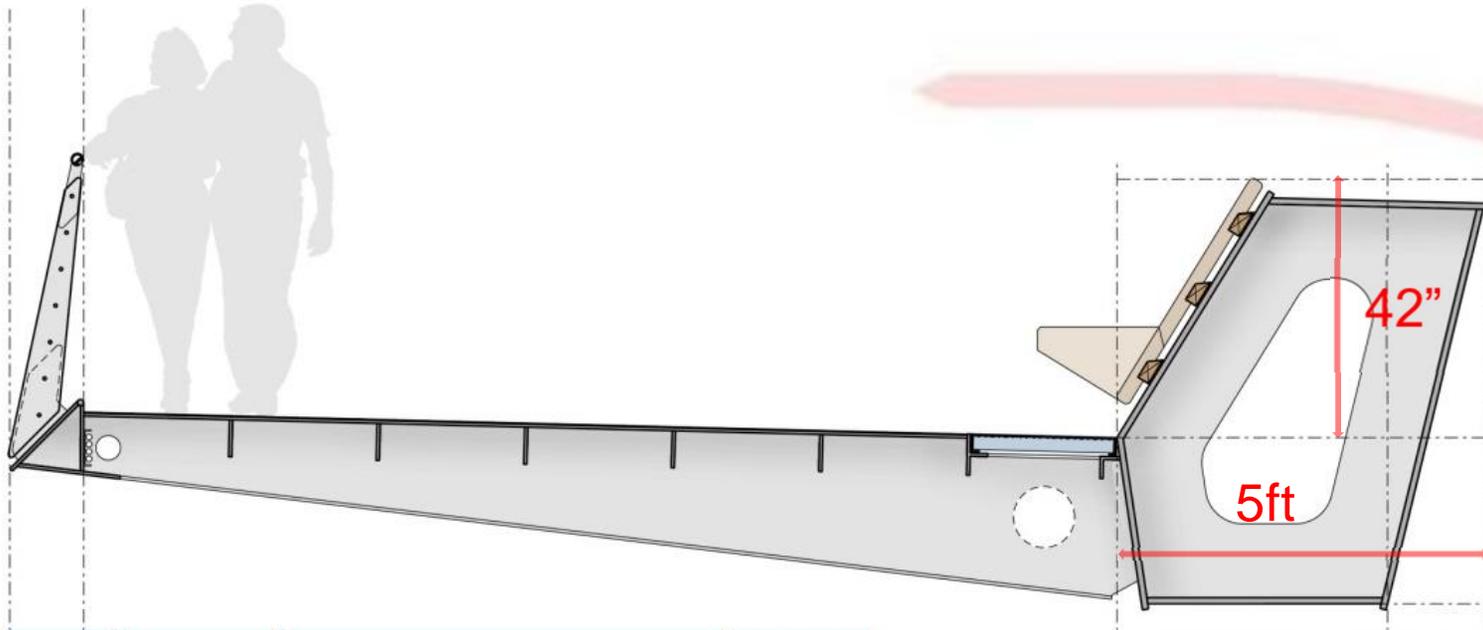
Arch Bridge



Preliminary Structure Design

- Steel Floor Beams – tapered design
- Steel Plate Deck
- Steel V-Piers
- Drilled Shafts (6' and 8' diameter)
- “Floating Pier Caps” in water to eliminate cofferdams

Upstand Beam





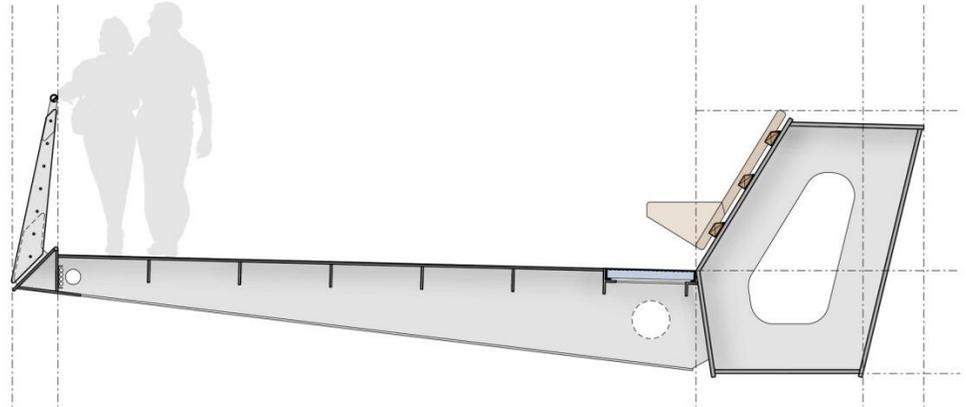
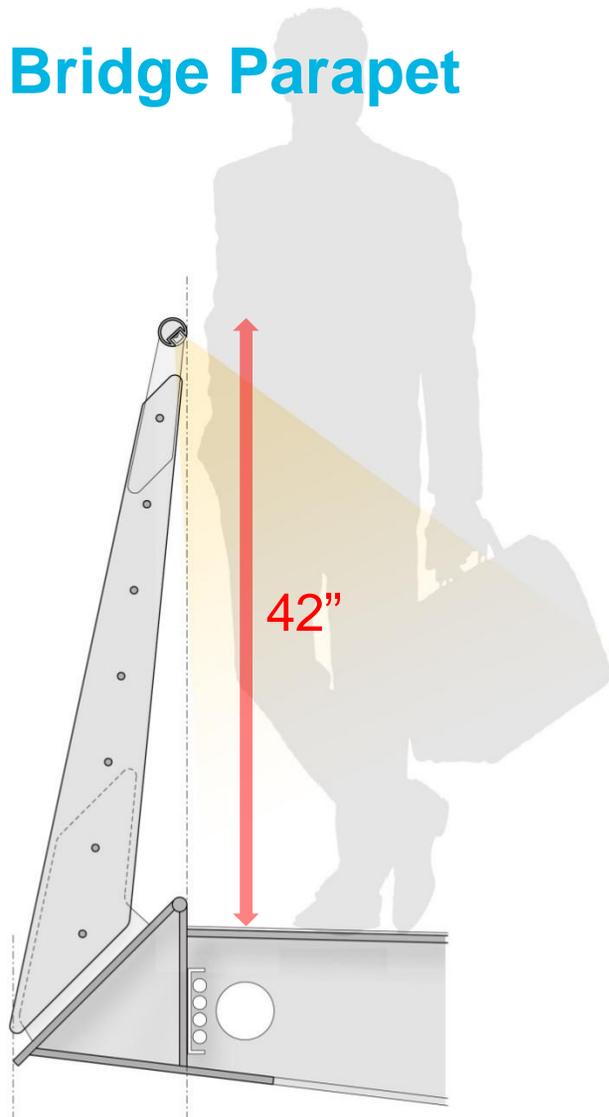


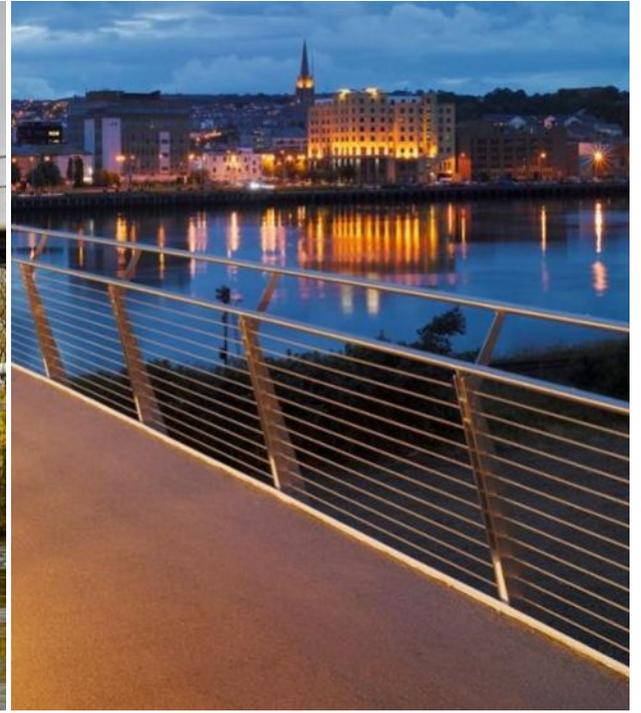




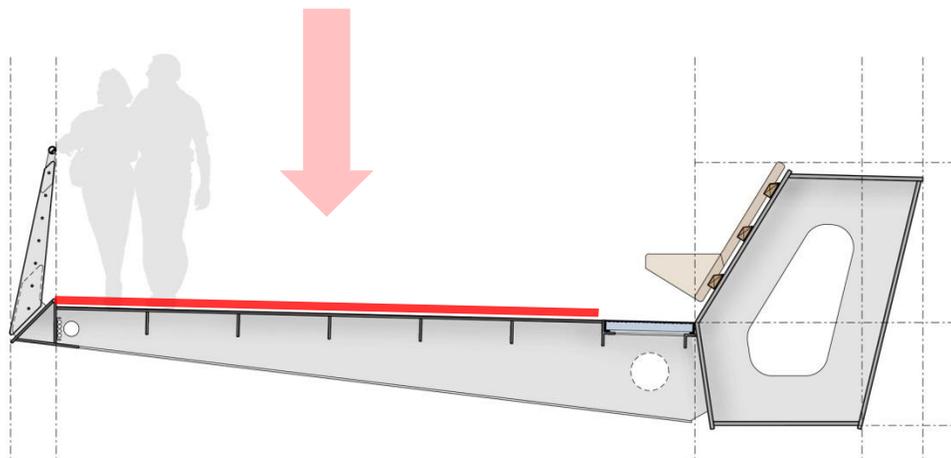
Bridge Elements

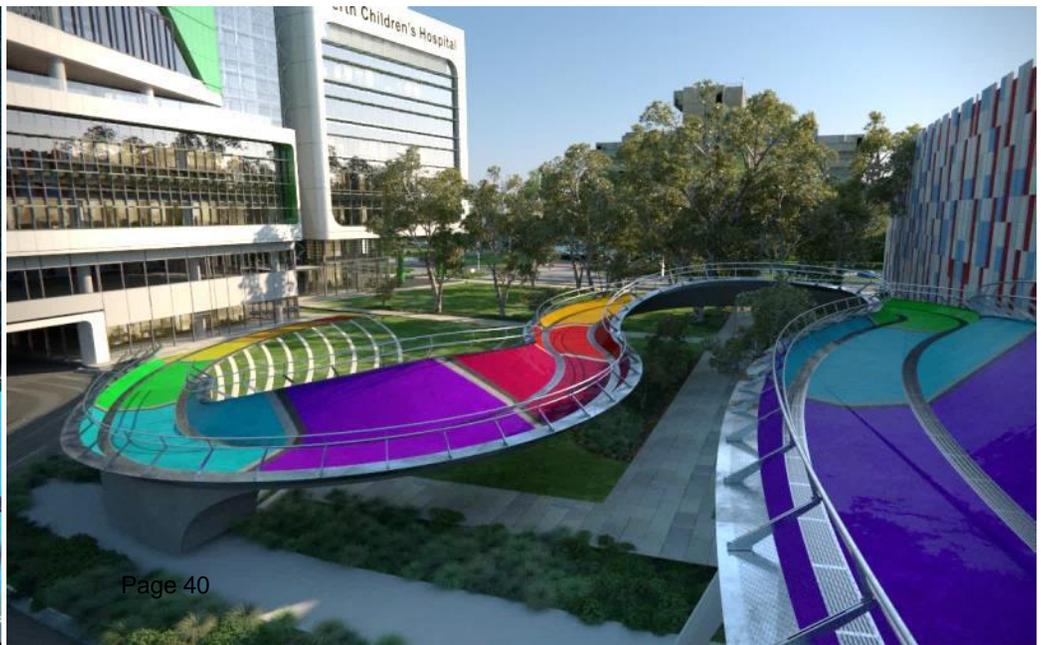
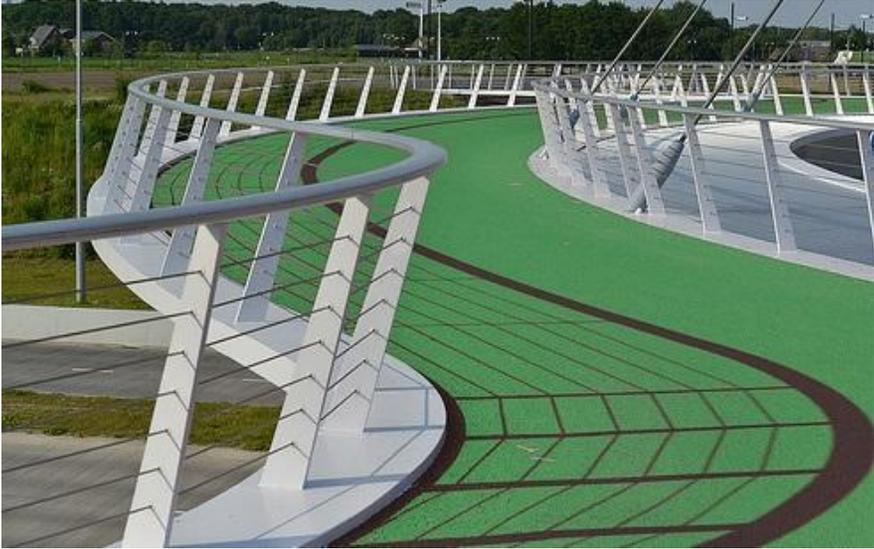
Bridge Parapet



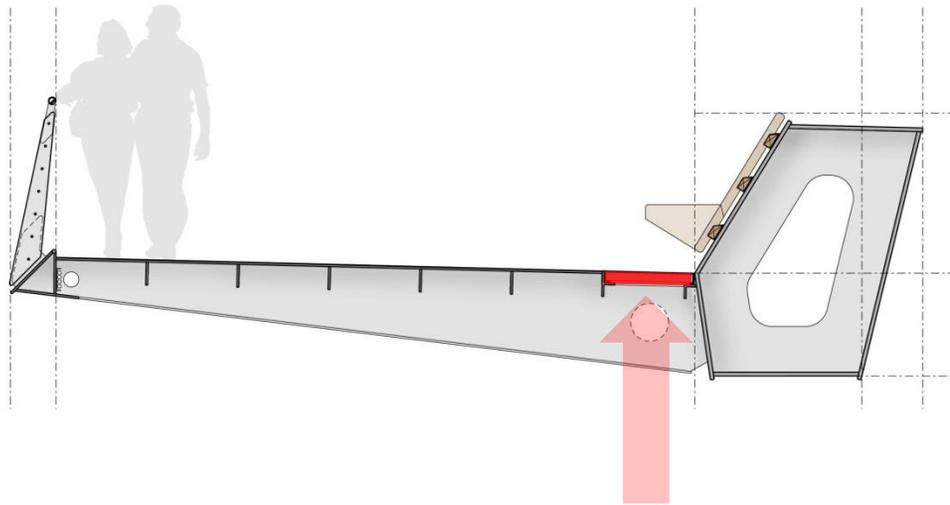


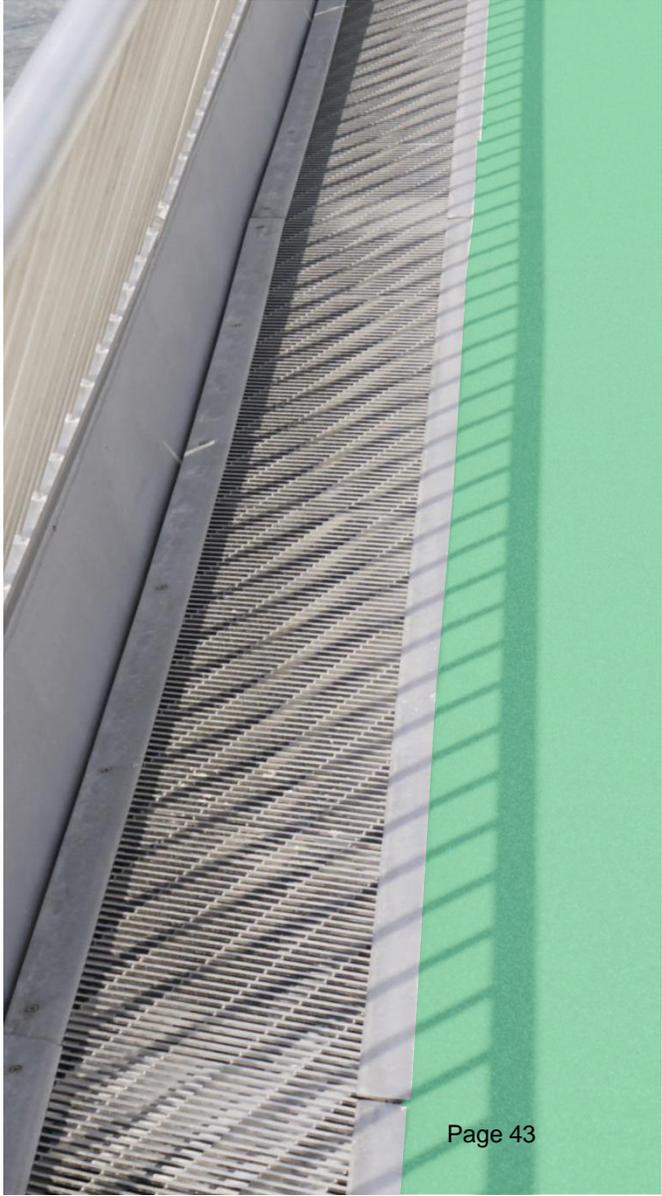
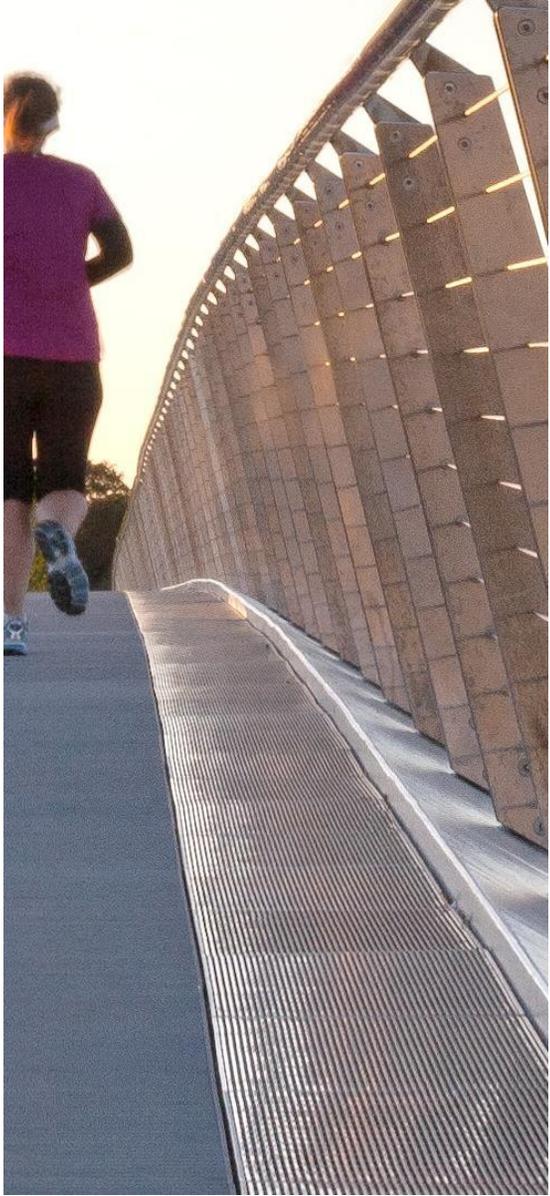
Deck Surfacing



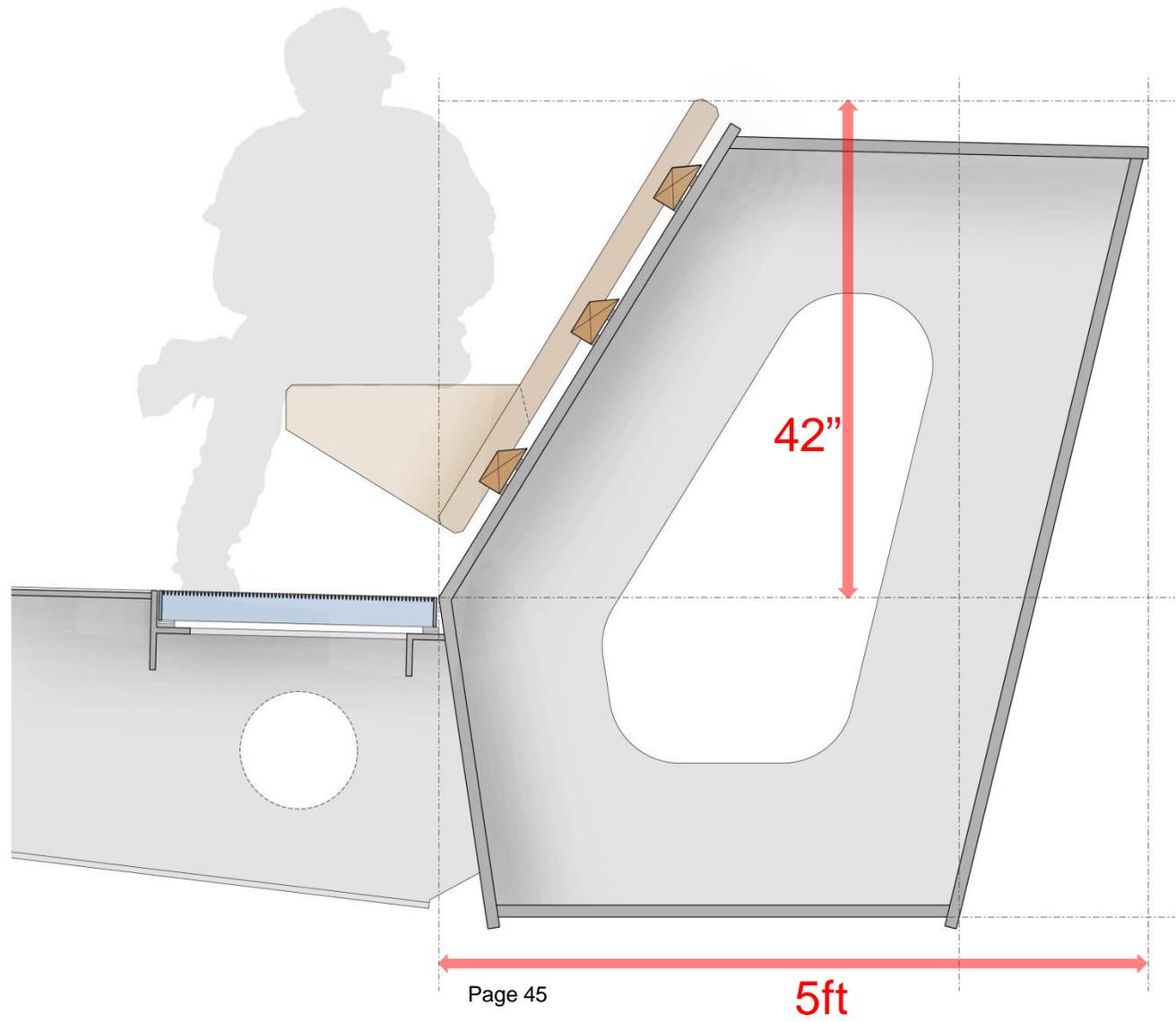






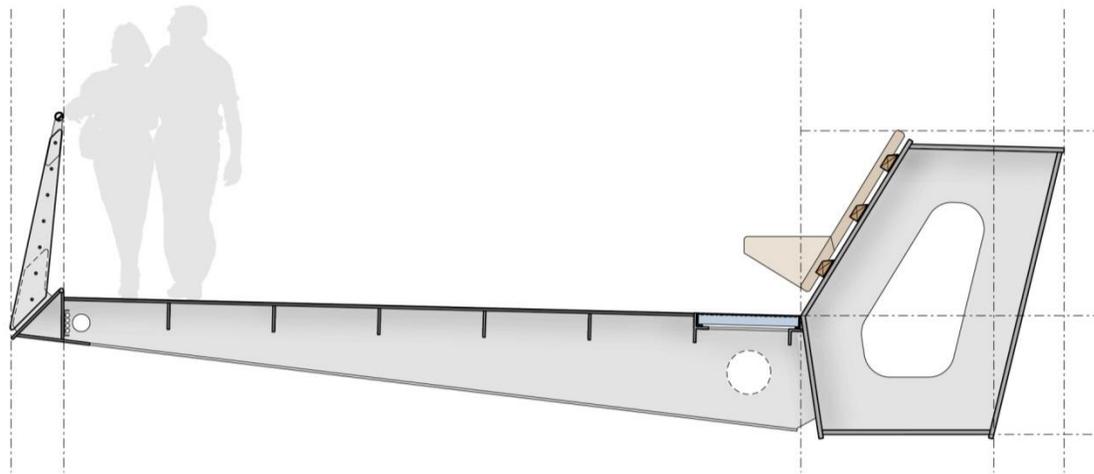


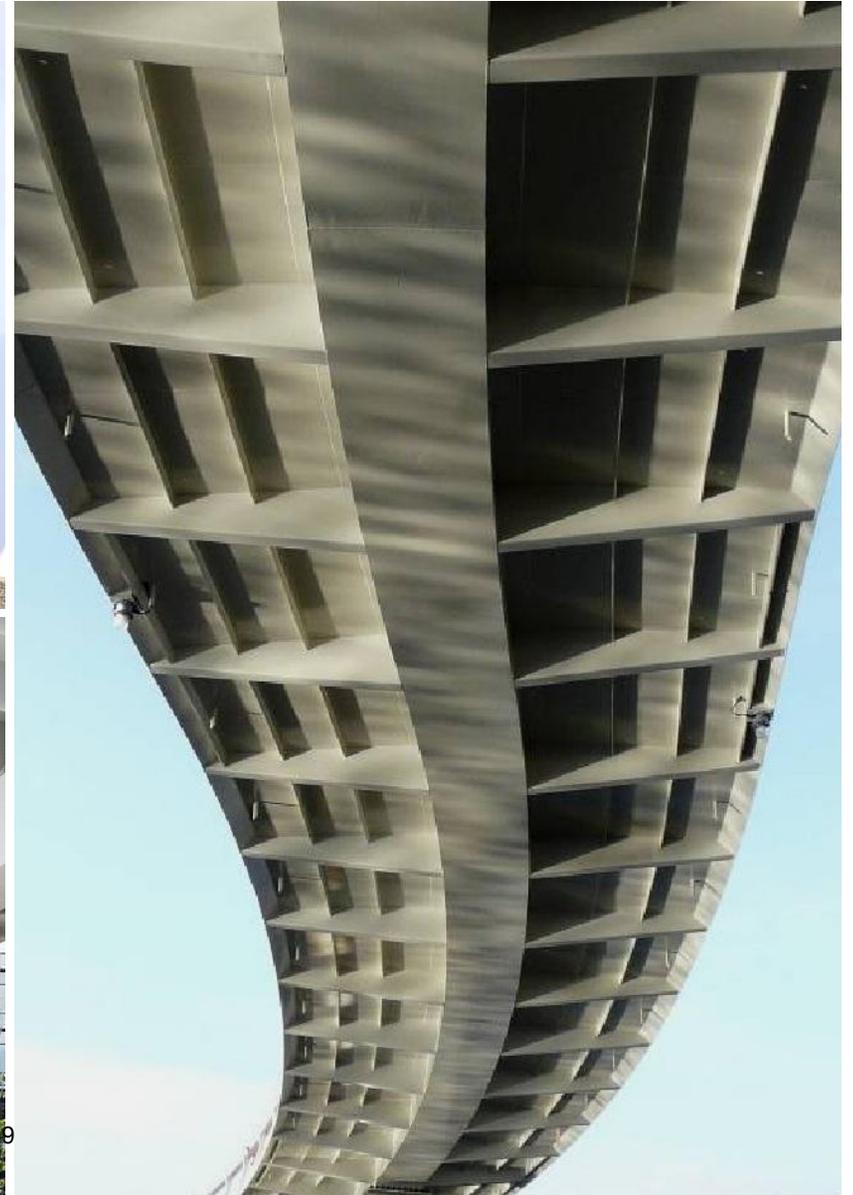
Coordinated Seating





Soffit

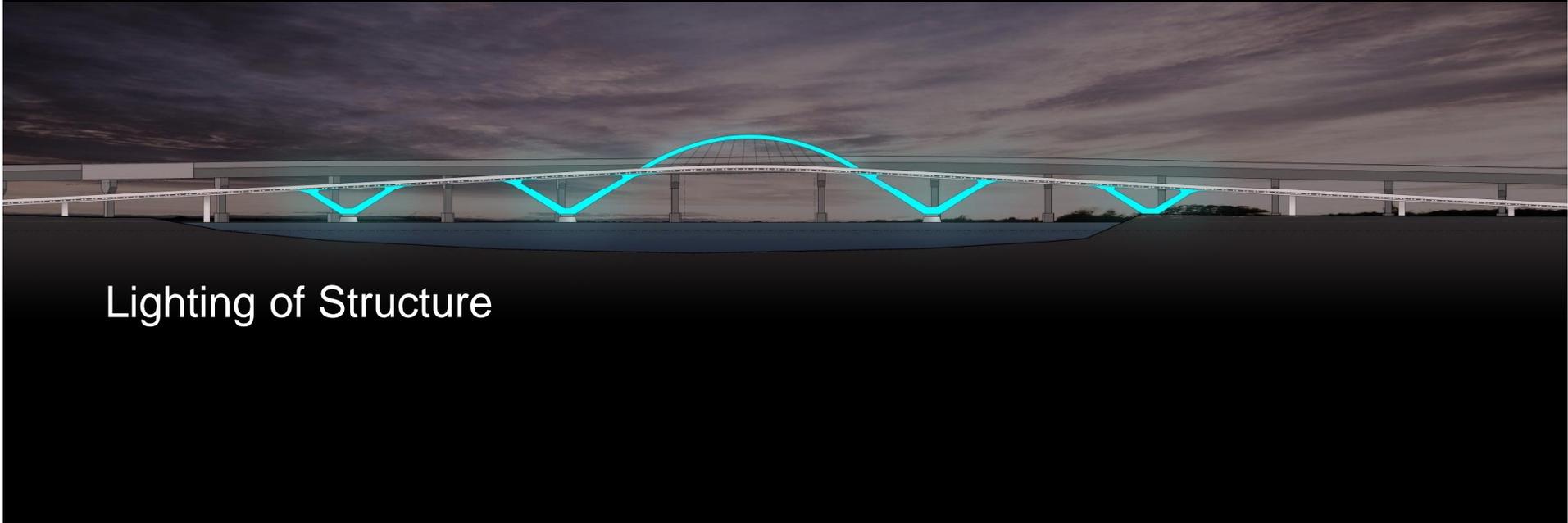
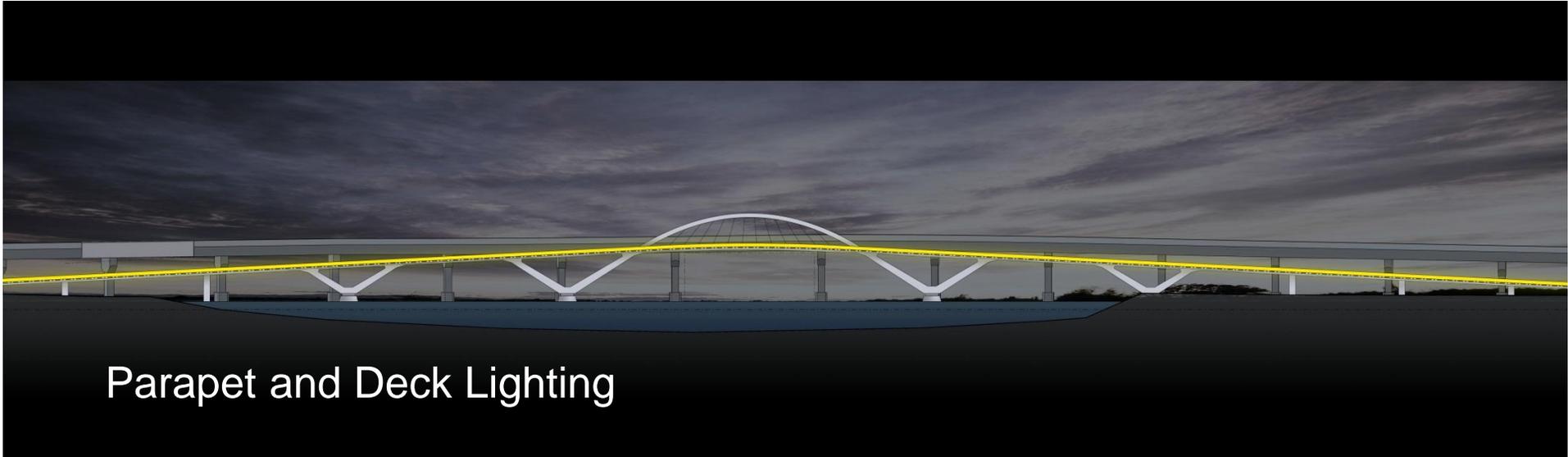




Fabrication



Bridge Lighting Options





Parapet and Deck Lighting



Lighting of Structure

Preliminary Cost Estimate

Preliminary Cost Estimate

Estimated Construction Cost = \$22,600,000

(Includes Design, Construction and Construction Engineering)

Permitting

Permitting

Approximately 19 agencies:

- 5 federal agencies
- 8 state agencies
- 6 local agencies (3 each in 2 cities)

Approximately 14 actions (permits, licenses, reviews):

- 3 federal action
- 5 state actions
- 6 local actions

Permitting (cont.)

– Timeline

- Federal approvals (United States Coast Guard (USCG) / United States Army Corps of Engineers (USACE)) will take the longest duration (10-12 months)
- Chapter 91 will take approximately 9 months

Additional Information

For more information:

<https://www.mass.gov/service-details/materials-from-past-meetings>

If you have comments or suggestions on this project:

Submit online:

<https://www.mass.gov/forms/dcr-public-comments>

Write: Department of Conservation and Recreation
Office of Public Outreach
251 Causeway Street, Suite 600
Boston, MA 02114

Deadline: Wednesday, March 7, 2018

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

If you have questions or concerns or 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@state.ma.us.

Questions and Answers & Potential Next Steps