

Agenda

- 1. Welcome & Overview
- 2. Why was this project initiated?
- 3. How has our design progressed?
- 4. How will we keep you informed?
- 5. Questions & Discussion





Welcome and Meeting Overview:

- 30-minute presentation
 - Eamon Kernan, Project Manager, Massachusetts Department of Transportation (MassDOT)
 - Etty Padmodipoetro, Urban Idea Lab, Bridge Architecture
 - Nathaniel Cabral-Curtis, Communications and Public Involvement
 - Rich Lenox, Project Management/Bridge Engineering, WSP
- Q&A Period
 - Eamon Kernan, Project Manager, Massachusetts Department of Transportation (MassDOT)
 - Rich Lenox, Project Management/Bridge Engineering, WSP
 - Andy Benkert, Bridge Engineering, WSP
 - Erik Maki, Traffic, WSP
 - Etty Padmodipoetro, Urban Idea Lab, Bridge Architecture
 - Nathaniel Cabral-Curtis, Communications and Public Involvement

Language Translation Speakers

- Portuguese
 - Katia Morris
- Spanish
 - Maria Rosario De Vargas



Notice of MassDOT / MBTA Policy Diversity and Civil Rights

All MassDOT / MBTA activities, including public meetings, are free of discrimination. The MassDOT / MBTA complies with all federal and state civil rights requirements, preventing discrimination on the basis of race, color, national origin, limited English proficiency, and additional protected characteristics. We welcome the diversity from across our entire service area. If you have any questions or concerns, please visit:

<u>www.mass.gov/nondiscrimination-in-transportation-program / www.mbta.com/titlevi</u> to reach the Office of Diversity and Civil Rights.

All questions and comments are welcome and appreciated.

Please refrain from any disrespectful comments.



How to Participate

- Listen and view the 30-minute presentation
- Ask questions to project team during question-and-answer period
- Submit comments into the comment box at the sign-in table
- Representatives of the media can direct media inquiries to <u>Jacquelyn.Goddard@dot.state.ma.us</u>



How did we get here?

1925

The Basiliere Bridge opens to traffic

1966

On May 17th, Private 1st Class Ralph T. Basiliere becomes Haverhill's first Vietnam War casualty 1972

The Bridge is named in PFC Basiliere's memory

2021

MassDOT study concludes the Basiliere Bridge must be replaced 2022

MassDOT Initiates concept design phase for bridge replacement

2022-Q1 2023

Initial outreach to

elected leaders

Haverhill community &

Q1-3 2023

Bridge type study

Analysis and public involvement to inform

2023

November 15

2nd Public Informational Meeting kicks off design phase



Public Information Meeting - Advertisement

MassDOT Email Burst

 Mass email to stakeholder database – 10/23/23, 10/26/23, 11/14/23

Mass Media

- Haverhill Gazette 11/2/23 and 11/9/23
- Lawrence Eagle Tribune 11/1/23 and 11/8/23
- Rumbo (Spanish) 11/1/23 and 11/8/23
- HCTV Weeks of 10/30/23, 11/6/23, and 11/13/23
- WHAV Weeks of 10/30/23, 11/6/23, and 11/13/23

Social Media

- Facebook
- Twitter













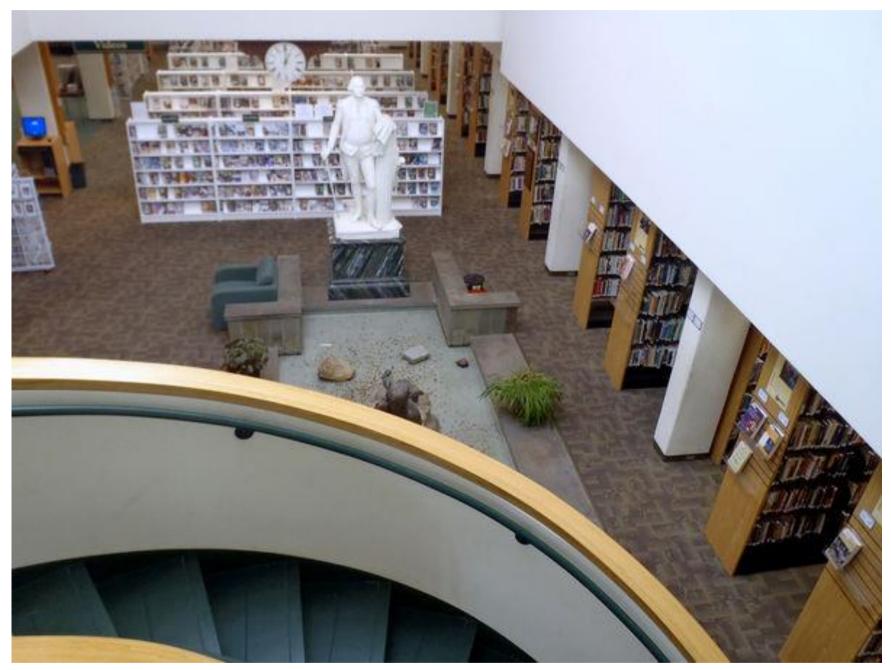


Public Information Meeting – Flyer Drops and Staffed Tables

Staffed Tables:

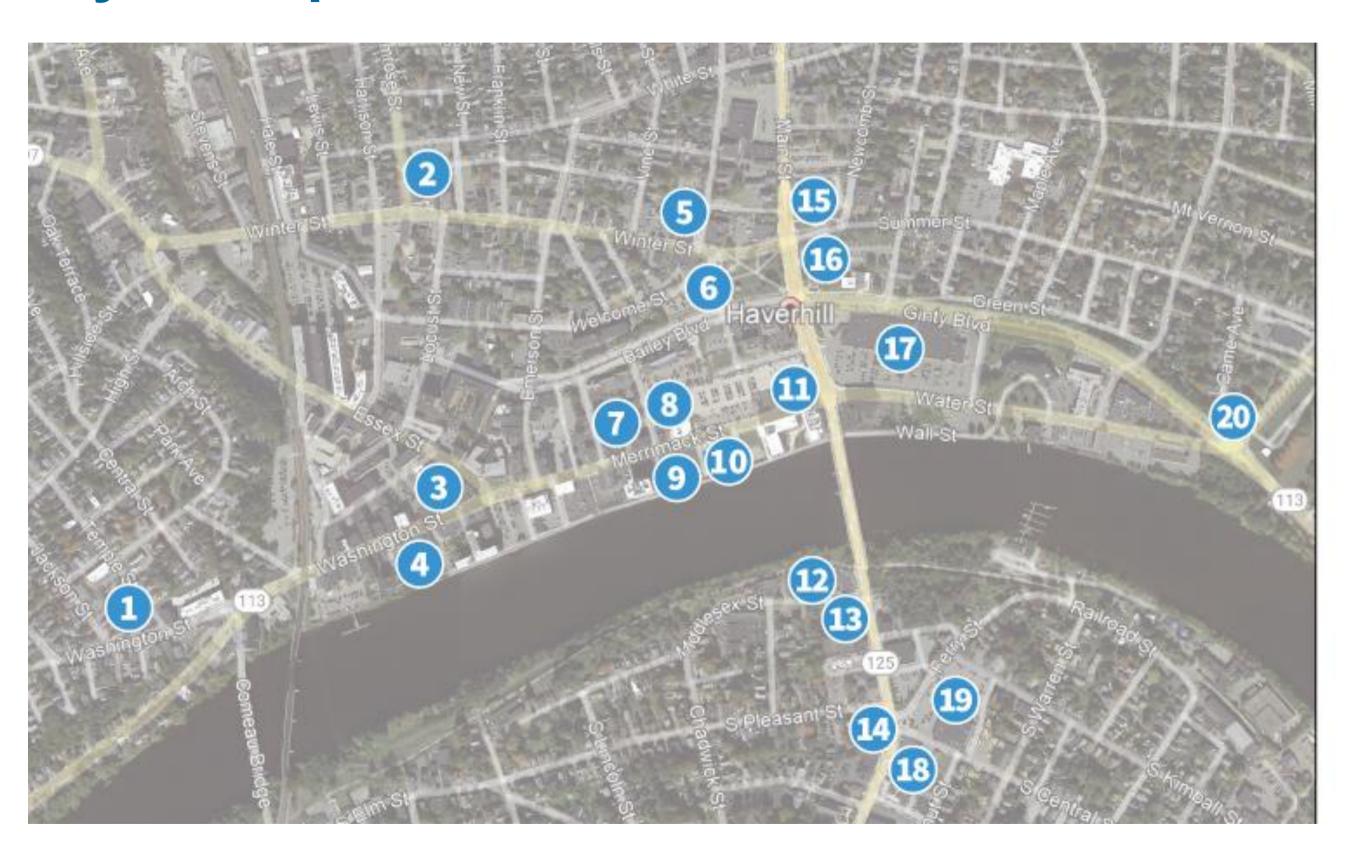
- Haverhill Public Library
- Water Street Market Basket

Flyer Drops at 20 locations in downtown and Bradford





Flyer Drop Locations



- 1. Smart Bike
- 2. Saint James Parish
- 3. Battle Grounds Coffee Co.
- 4. MVRTA Washington Square
- 5. Haverhill YMCA
- 6. Haverhill Citizen Center
- 7. TD Bank
- 8. La Pizza di Forno
- 9. Salvation Army Thrift Store
- 10. A-1 Deli
- 11. Pentucket Bank
- 12. Dunkin Donuts
- 13.Wendy's
- 14. A Sweet Affair
- 15. Haverhill City Hall
- 16. Haverhill Public Library
- 17. Market Basket
- 18. Nouria Shell Station
- 19. The Fix 2 (barbershop)
- 20. Riverside Cycle



Thank You To Those Who Shared Our Flyers

State and Municipal:

- State Delegation for Haverhill
- Office of Mayor James J. Fiorentini
- Haverhill City Council
- Council on Aging
- Disability Commission
- Planning & Economic Development via "News You Can Use" newsletter

Local community organizations, medical providers, schools, and social service providers

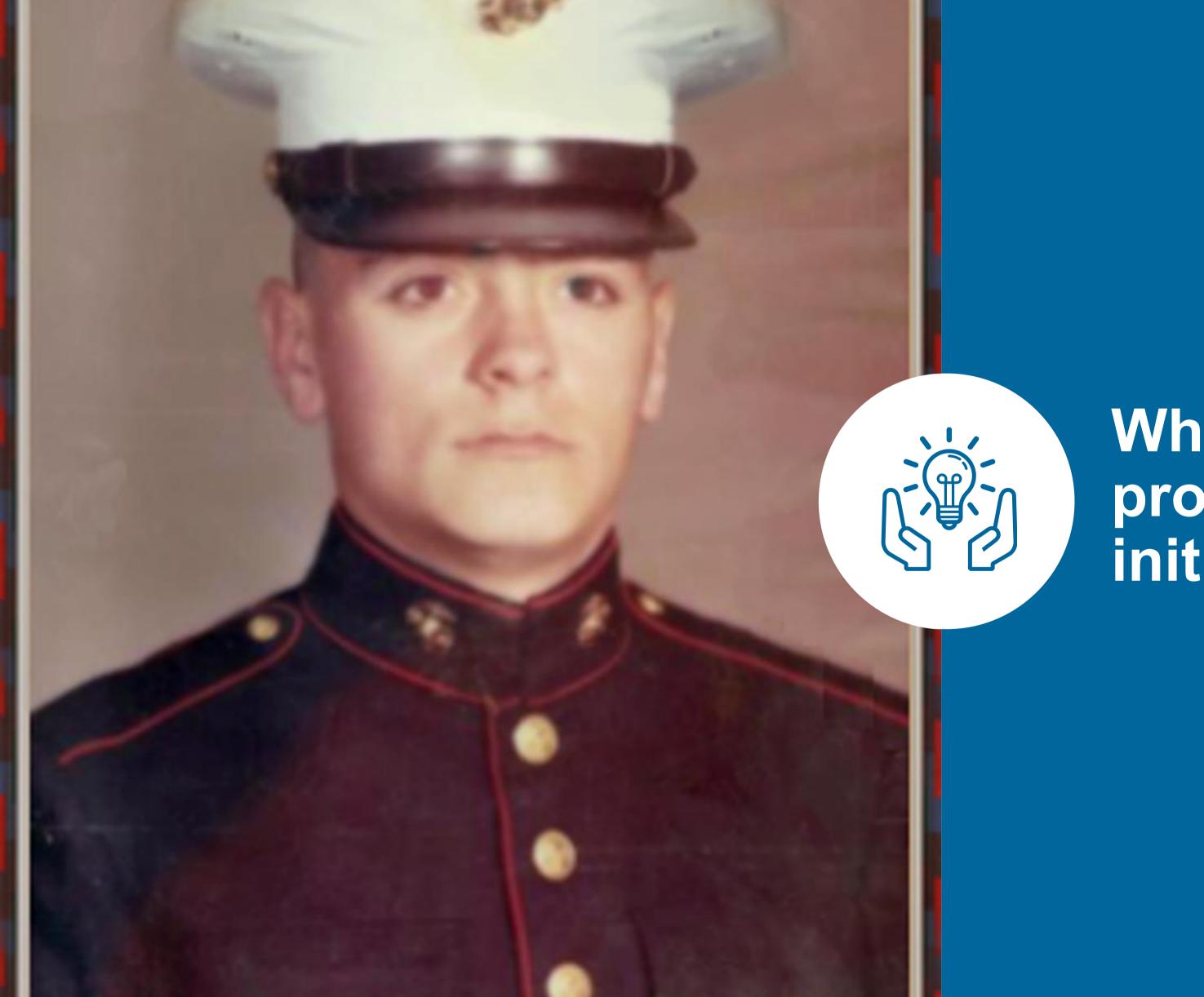


Current Limits of Work

- In the north:
 - The Main Street/Water
 Street/Merrimack Street
 intersection
 - A portion of Main Street as far north as Bailey Boulevard
- In the south:
 - Just past the S. Main Street/Middlesex Street intersection
- Includes short stretches of intersection approaches







Why was this project initiated?

PFC Ralph T. Basiliere Bridge: Key Facts

- The existing bridge opened 1925 and replaced an older crossing.
- The Basiliere is technically two bridges with elements of the pre-1925 structure mixed into today's bridge
- Total length roughly 800 feet
- Bridge width roughly 68 feet
- Carries 20,000+ vehicles per day
 - 4% heavy vehicles including MEVA buses
- At the end of its useful lifespan with general deterioration including foundations
- Remains safe for all users







How has our design progressed?

Concept Design Phase – March-October 2023

- Questions we wanted to answer with your help:
 - •What type of bridge will replace the current structure?
 - What will the new bridge look like?
 - What will the lane configuration be on the new bridge?
 - How will the new bridge accommodate cyclists and pedestrians?
 - How will the new bridge provide connections to the Bradford Rail Trail and Dempsey Boardwalk?



Robust Public Involvement

March 9th

2023

Kick-off public informational meeting: project introduction

April 3rd

2023

1st public workshop: public input on bridge appearance, traffic, & construction staging

May 18th

2023

2nd public workshop: initial concepts for bridge aesthetics shared; further traffic discussion

July 18th

2023

Briefings for the Greater Haverhill Chamber of Commerce & Crescent Yacht Club

August 23rd

2023

Briefing for the Haverhill Latino Coalition



Consistent Community Input

| Key Question | Community Input |
|--|---|
| What will the new bridge look like? | The new bridge should: Avoid being a modern copy of what exists today Maintain an arched appearance, even as arches become longer/shallower with fewer spans Connect the modern look of downtown Haverhill and the more traditional appearance of Bradford Offer opportunities for distinctive lighting Provide vertical elements above the deck to add character Provide places to rest and enjoy the view |
| What will the lane configuration be on the new bridge? | Four, formalized lanes preferred: Addresses emergency response concerns from Haverhill 1st responders and community members Provides reserve capacity for projected traffic associated with planned development |
| How will the new bridge accommodate cyclists and pedestrians? | The new bridge should: Physically separate motorized & non-motorized users Have comfortable sidewalks for pedestrians young and old, using mobility aids, towing grocery carts Provide directional facilities to avoid confusion at the intersections Recognize that confident "sport" cyclists may opt to remain with mixed traffic |
| How will the new bridge provide connections to Bradford Rail Trail and Dempsey Board Walk | The new bridge should: Have an easier connection to the Bradford Rail Trail Not preclude a future connection between the Dempsey Boardwalk and Wall Street Open up views to the Merrimack |

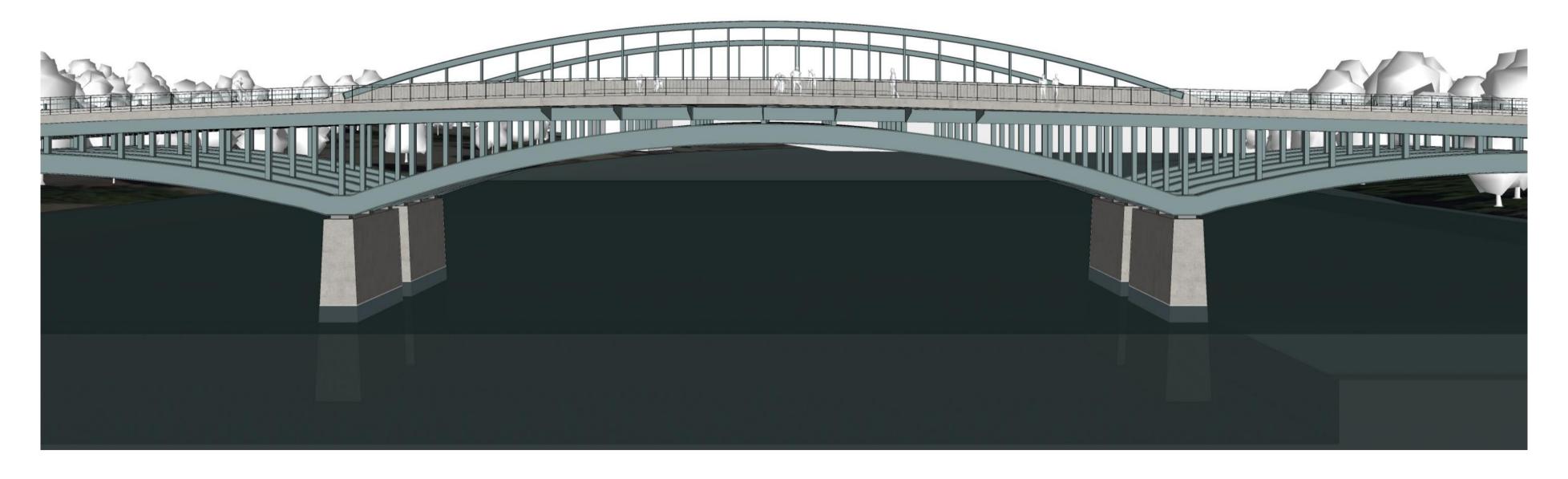


Precast Concrete Open Spandrel Arch



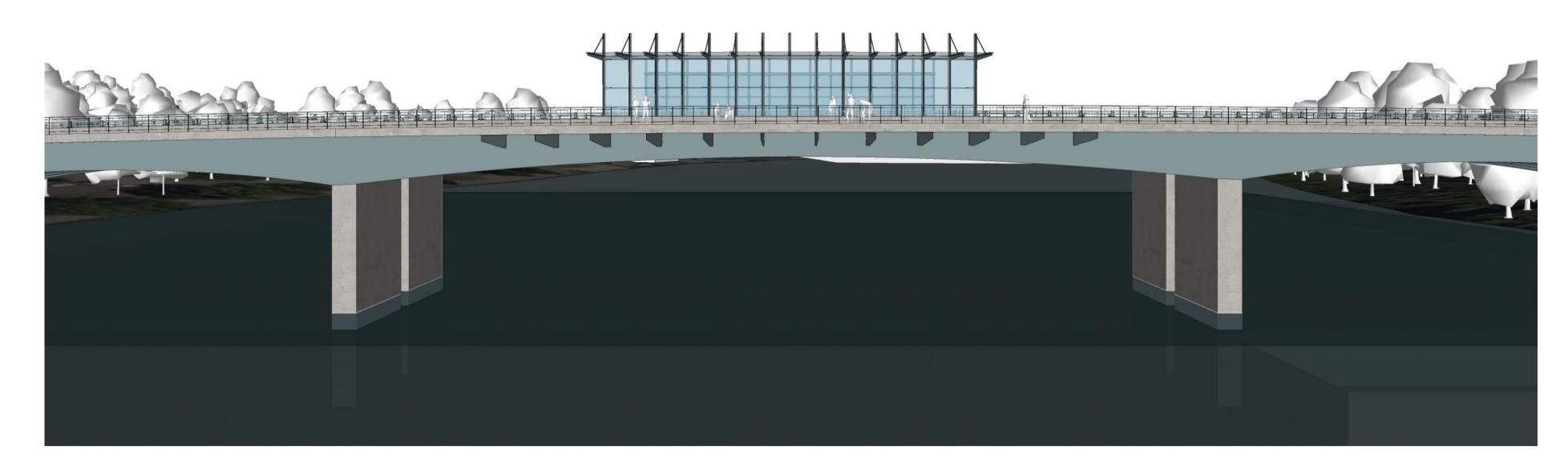


Post-Tensioned Steel Deck Arch





Arched Steel Plate Girder Bridge





Type Study Recommendation

| Type | Anticipated Construction Cost | Anticipated Life Cycle Cost | Constructability Challenges | Ease of Accommodating Concealed Utilities | Partially Submerged Members During Flood Event | Public Input |
|---|-------------------------------|--------------------------------|--------------------------------|---|---|--------------|
| Precast Concrete Open Spandrel Arch | Medium | Low | High | Medium | Yes | High |
| Post-Tensioned Steel Deck Arch | High | Medium | High | Medium | Yes | Medium |
| Arched Steel Plate Girder Bridge | Low | Medium | Low | High | No | Low |

Alternative 1 "Precast Concrete Open Spandrel Arch" is recommended for the proposed construction. This alternative provides a replacement bridge structure which best respects the history and significance of the existing Basiliere Bridge...the increase in construction cost with this alternative as compared to Alternative 3 is considered justifiable.



Precast Concrete Open Spandrel Arch – Close-up



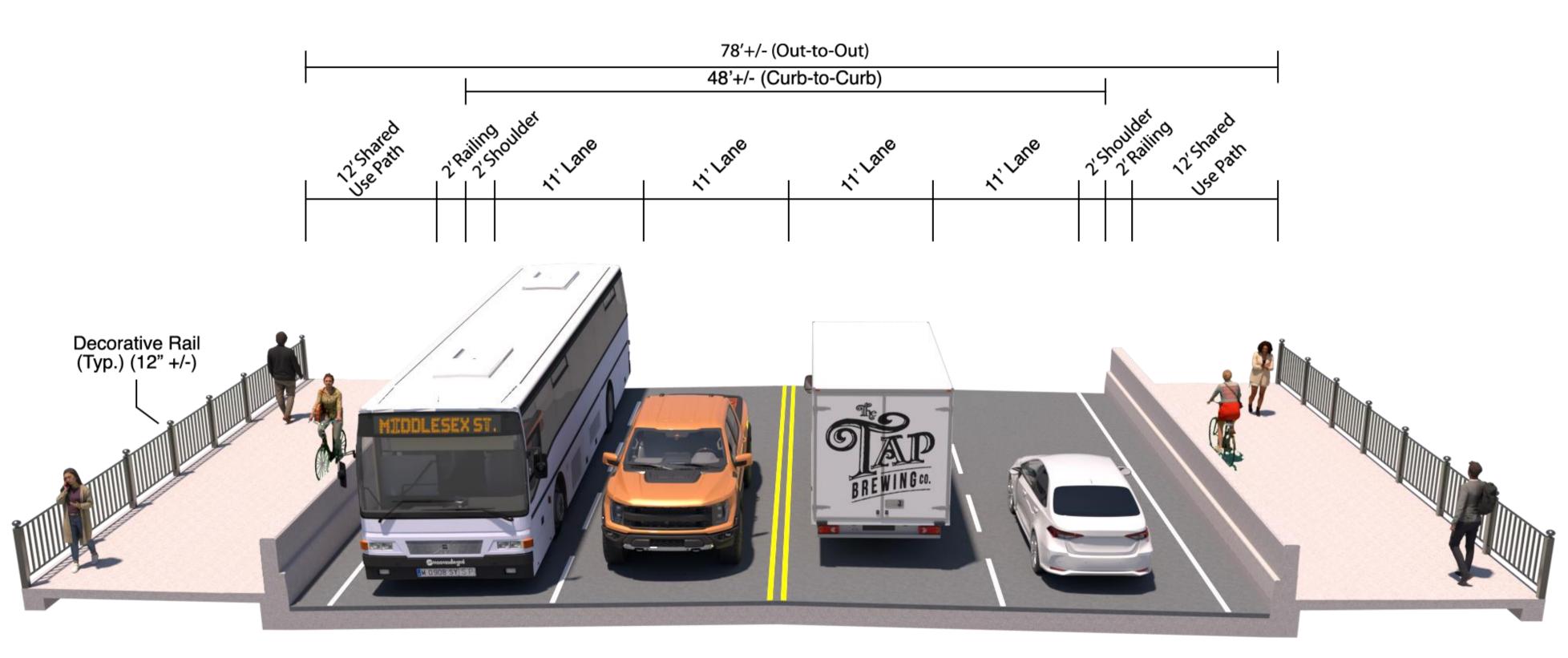


Precast Concrete Open Spandrel Arch – Center Span





Cross-Section

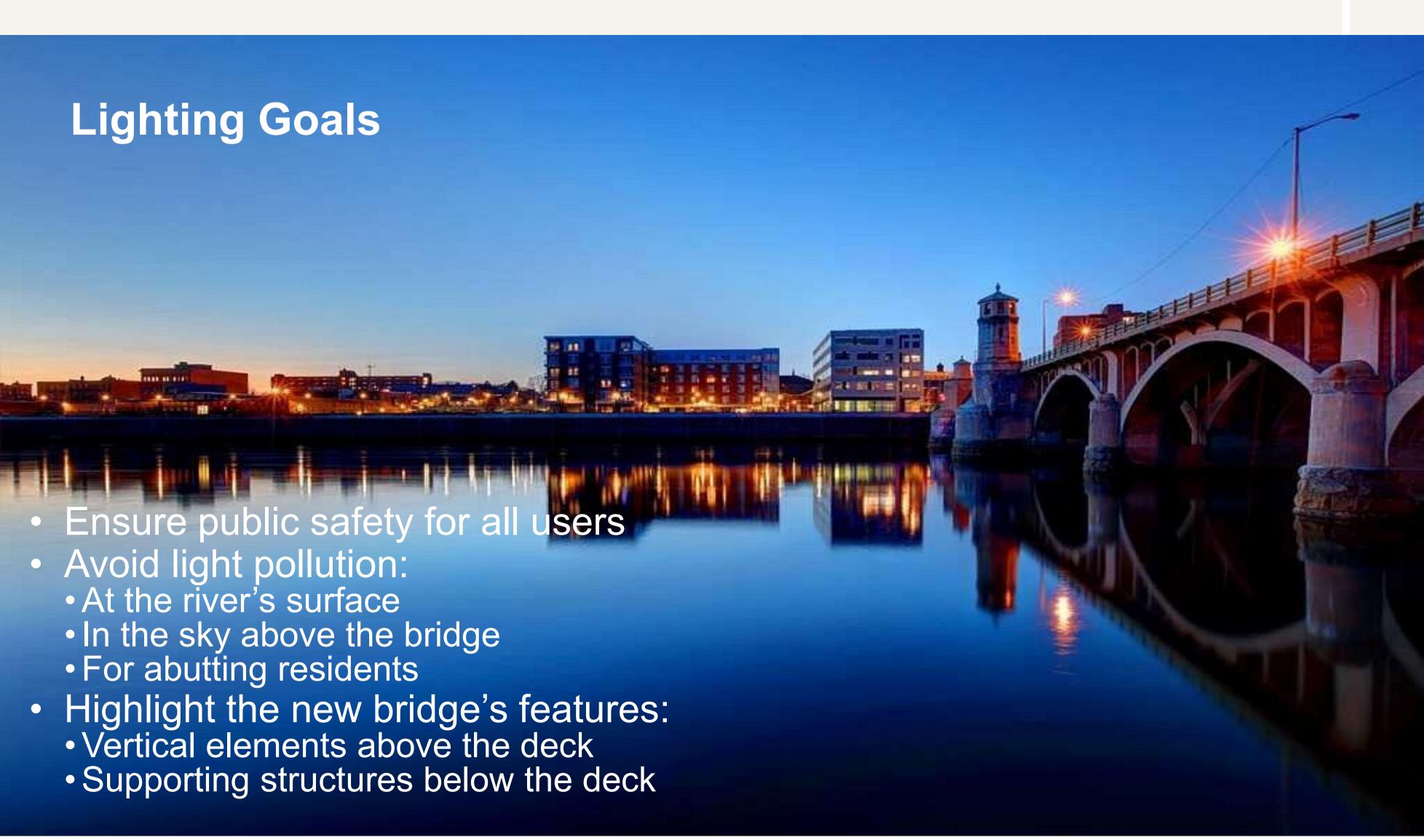


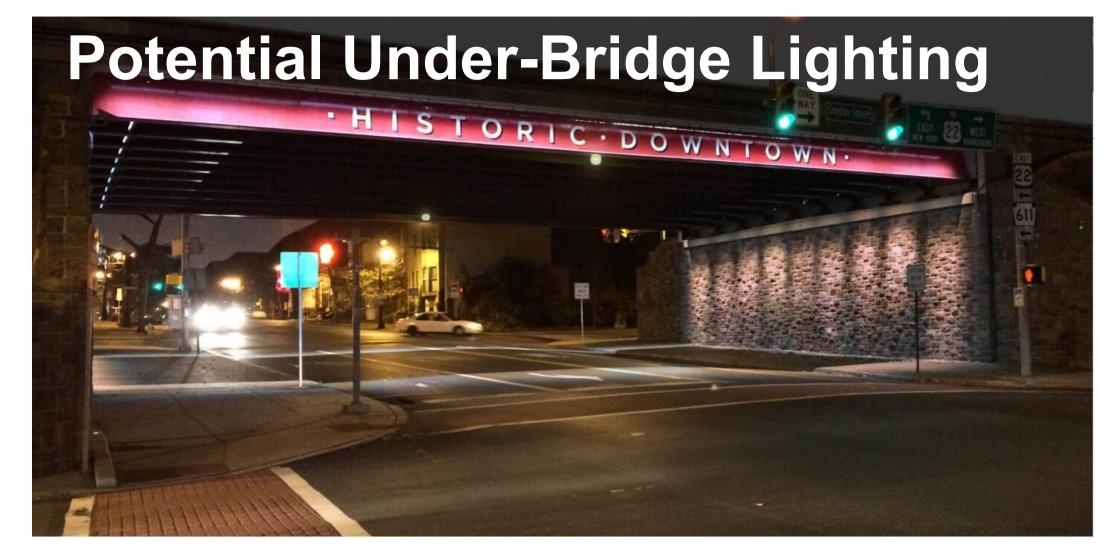


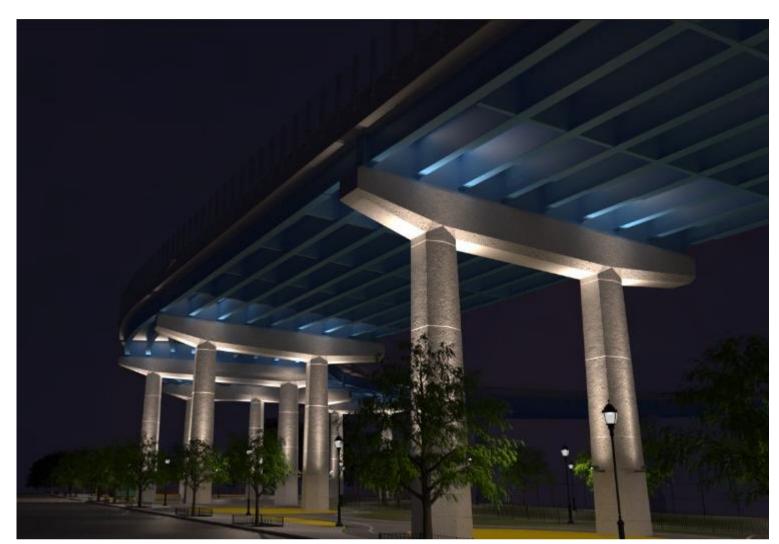
25% Design Phase – November 2023-February/March 2024

- Develop concept towards the 25% design level:
 - Refine cost and schedule estimates
 - Advance environmental permitting
 - Refine constructability
 - Establish right-of-way impacts and initiate ROW process
- Questions we want to answer with your help:
 - What sort of lighting, railings, and seating should the new bridge have?
 - Which vertical element(s) seem most attractive/appropriate?
 - What more can be done at the Bradford Rail Trail connection?



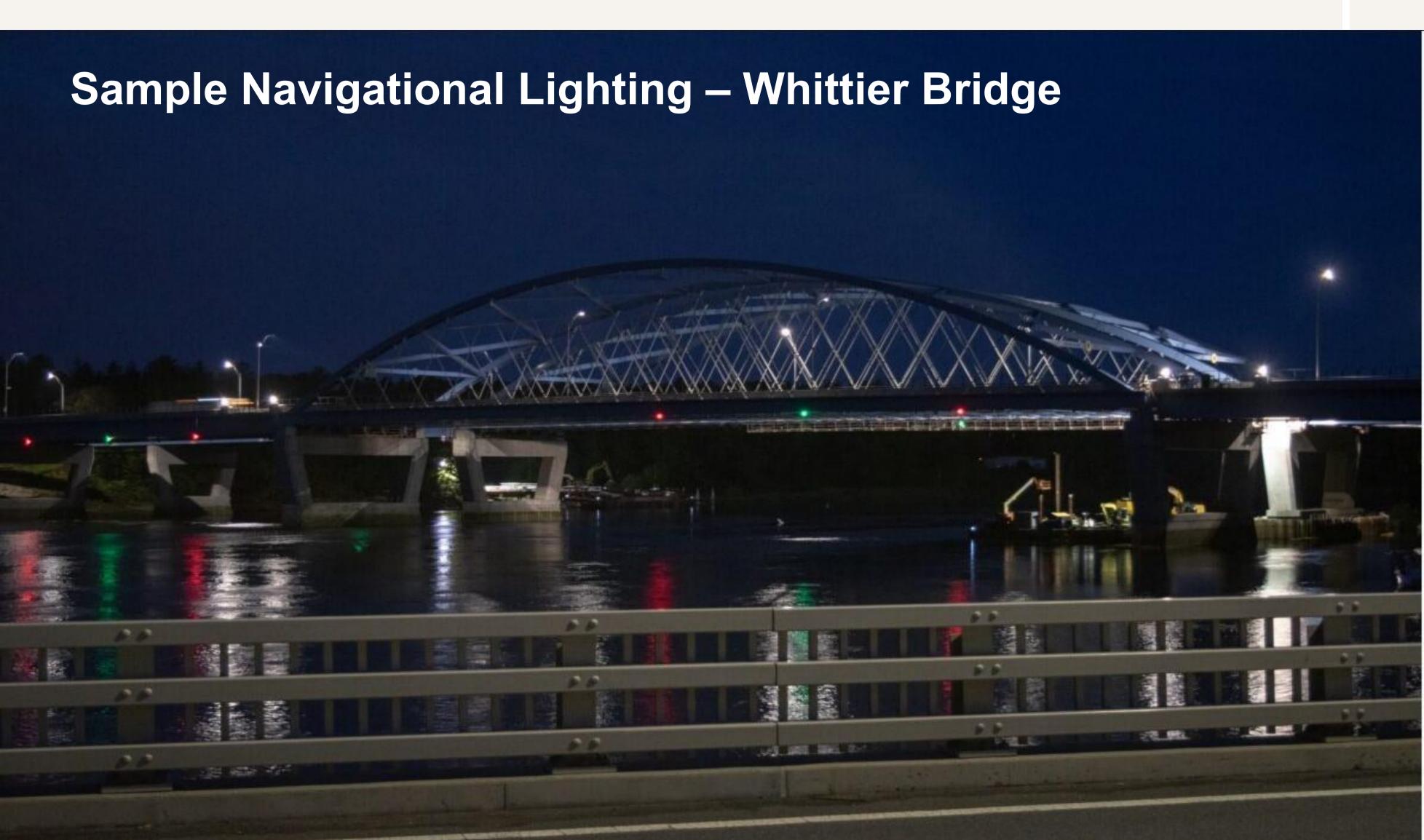




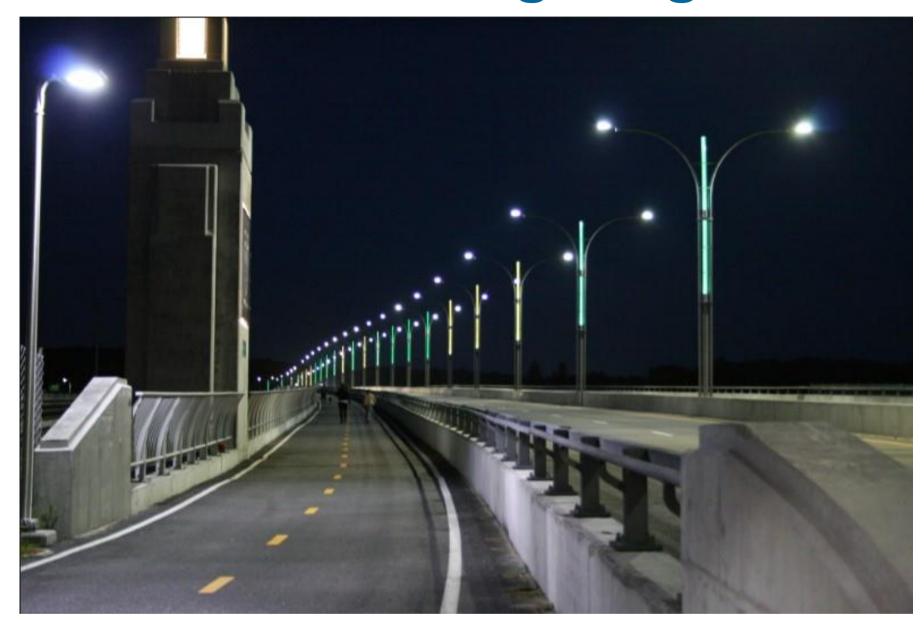


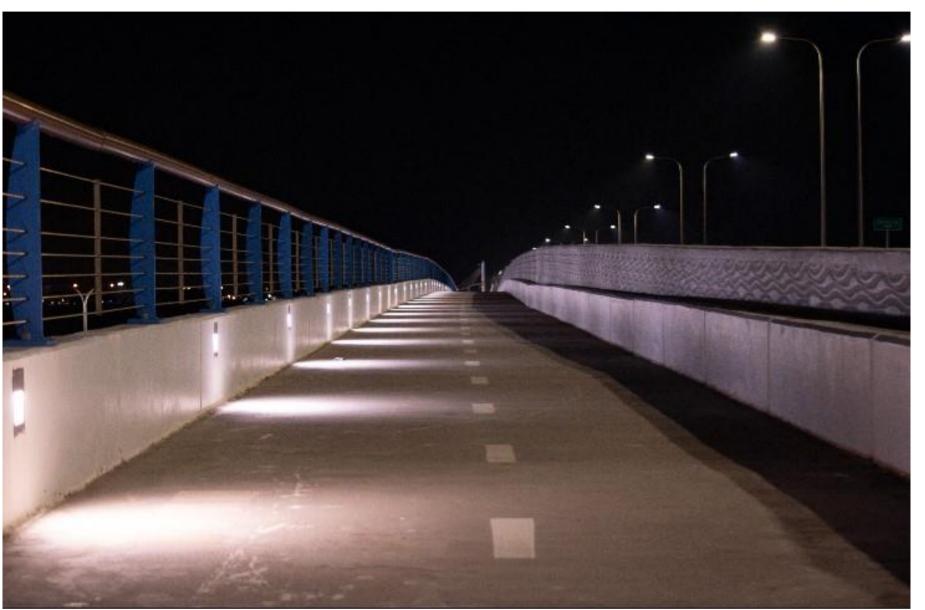






Potential Deck Lighting

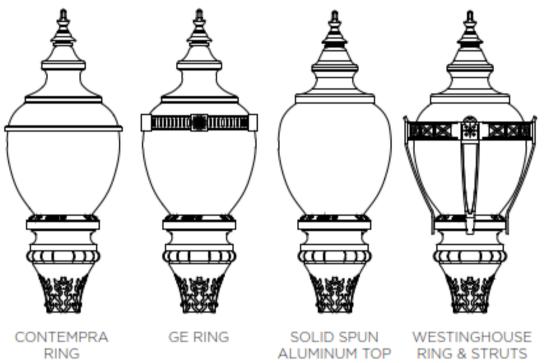






Lighting Examples to Match Downtown







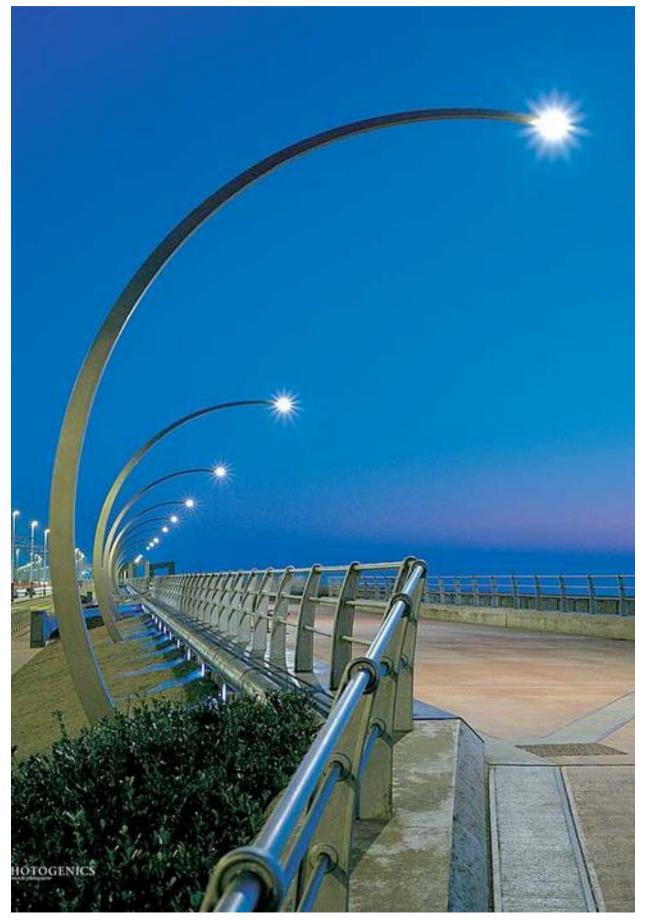




Modern Lighting Examples









Traditional Lighting Examples









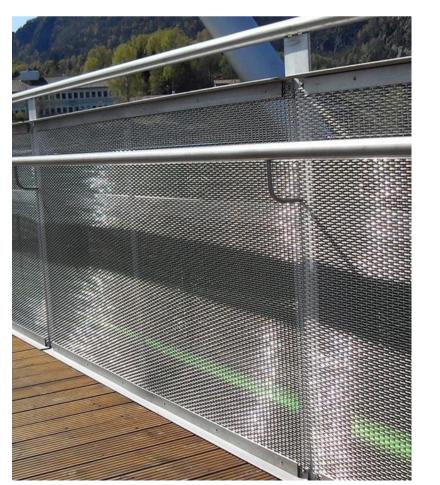




Decorative Railing Examples







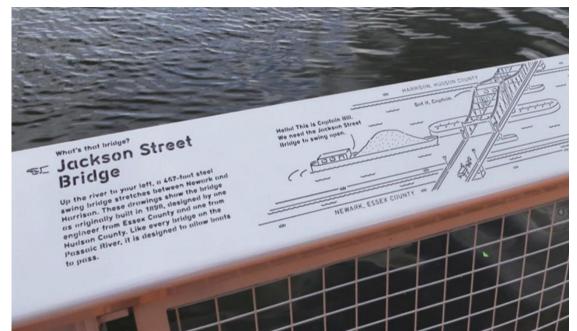


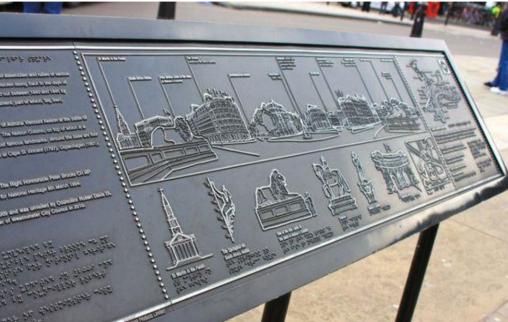






Examples of Interpretive Signage



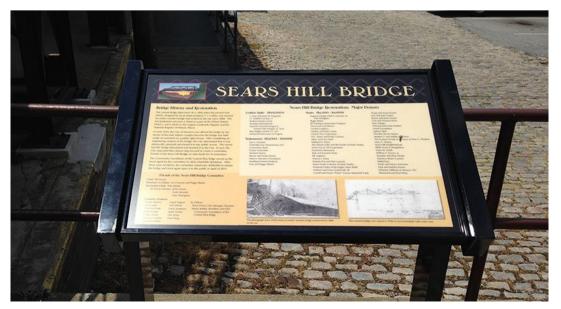








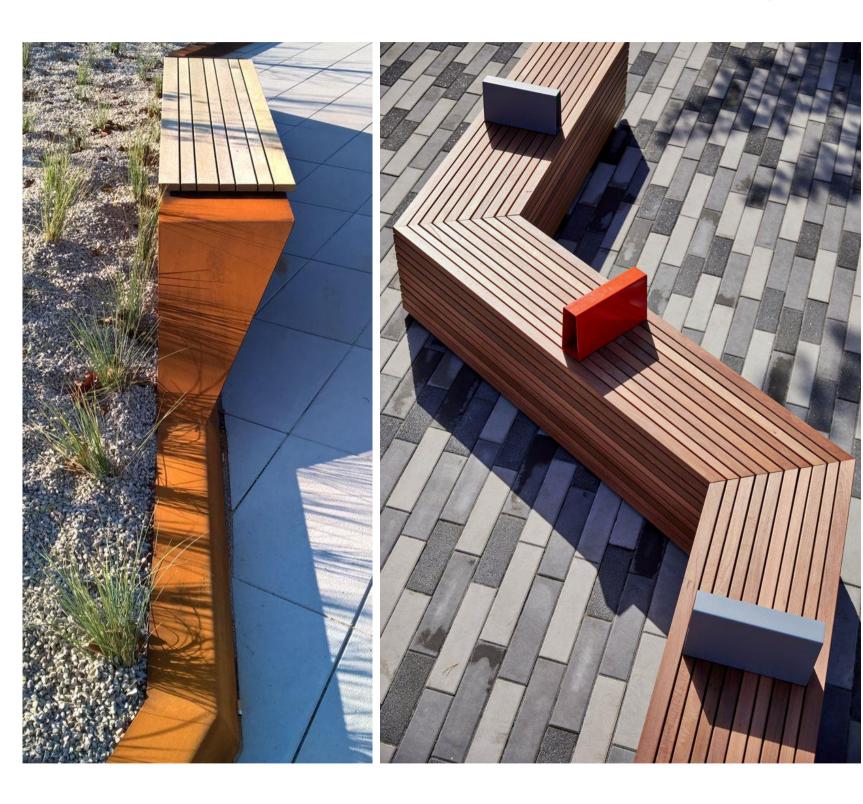








Examples of Artful Seating

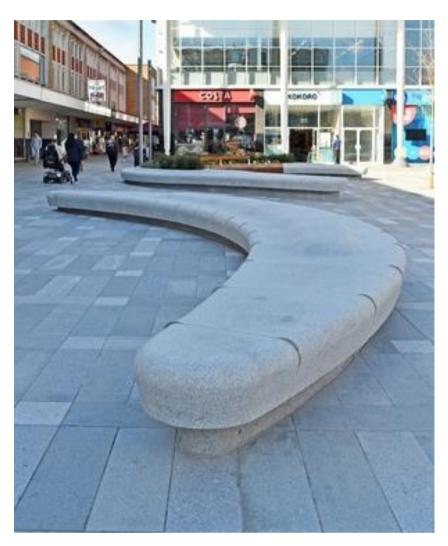




- Distinctive
- Continuous
- Defining spaces
- Establish activity separation



More Examples of Artful Seating

















Examples of Benches







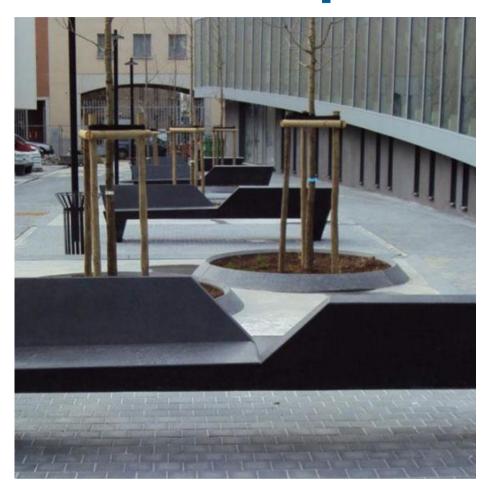








More Examples of Benches

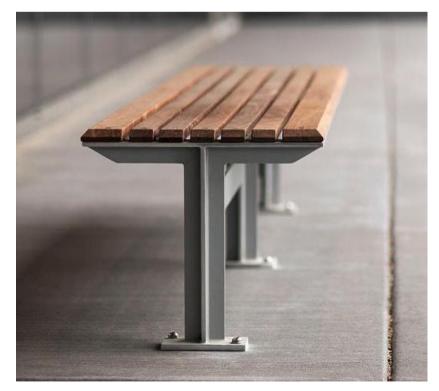














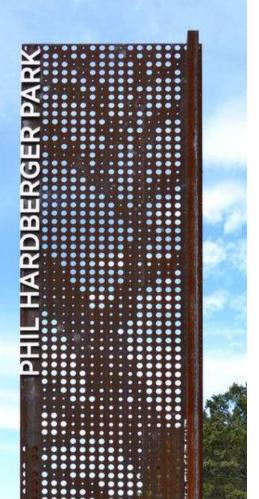


Examples of Trail Connections











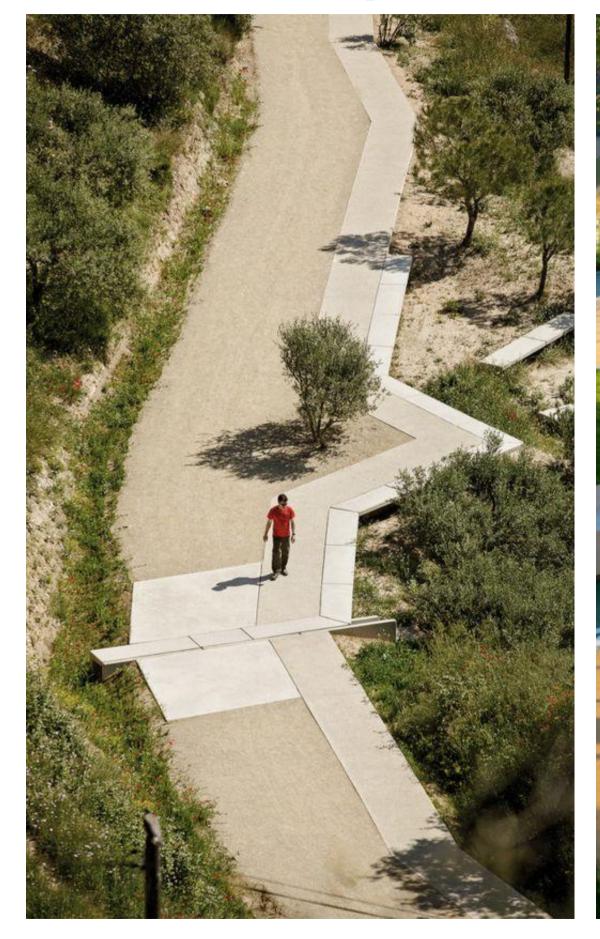








More Examples of Trail Connections







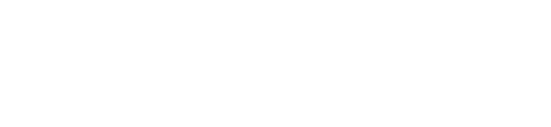


Example Historic Monument





Our next steps



1

Web updates on advancing design – December 2023-March 2024



25% Design Public Hearing& Awareness CampaignFebruary/March 2024



Issue design/build package for bids
Summer/Fall 2024



Anticipated start of construction: 2025

Begin construction Summer/Fall 2025



Approximately 4-5 years construction





How will we keep you informed?

Upcoming public outreach

- December 2024-February 2025
 - Email and website updates
- February/March 2024
 - Pre-25% Design Public Hearing awareness campaign
 - 25% Design Public Hearing
- Spring 2024
 - Response to 25% Design comments





How to reach us?

Submit written comments to:

Carrie Lavallee, P.E., Chief Engineer

MassDOT

10 Park Plaza

Boston, MA 02116

Attention: BRIDGE SECTION, PROJECT FILE NO. 605304

Submit email comments to:

haverhillbasilierebridge@dot.state.ma.us

Visit the project website at:

www.mass.gov/basiliere-bridge-project-haverhill





Questions and discussion

