

**M711**  
**HOOSAC PIER BULKHEAD REHABILITATION**  
**1 CONSTITUTION PLAZA,**  
**CHARLESTOWN, MA**

**Consultant Briefing**

05.04.23



# M711 Hoosac Pier Rehabilitation Consultant Briefing

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## Introduction

- Please enter your contact information in the Zoom Meeting chat window:
  - First and Last Name
  - Company
  - Email

# M711 Hoosac Pier Rehabilitation Consultant Briefing – Location



Location of Hoosac Pier in Charlestown, Massachusetts

# M711 Hoosac Pier Rehabilitation Consultant Briefing – Location

- Hoosac Pier consists of Constitution Wharf and Constitution Marina, located immediately to the west of Constitution Wharf.
- Constitution Wharf contains three waterfront office buildings, totaling approximately 180,700 square feet of office space as well as associated parking lots, which offer approximately 470 public parking spots.
- The Boston Harborwalk extends around the perimeter of Hoosac Pier, along the bulkhead line.
- The property is adjacent to the USS Constitution Museum and several restaurants, hotels, and public transportation stops.



# M711 Hoosac Pier Rehabilitation Consultant Briefing – Bulkhead

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- Hoosac Pier is a filled structure surrounded by a steel sheet pile bulkhead.
- The bulkhead is approximately 1,830 feet long and has a maximum water depth of 28 feet at Mean Lower Low Water (MLLW) in certain locations.
- The bulkhead extends east from an access gangway for the Constitution Marina to the property line for the Charlestown Navy Yard and USS Constitution boat basin.
- The steel sheet pile bulkhead has a steel formed concrete girdle extending from roughly 5 feet above MLLW to 6 feet below MLLW.

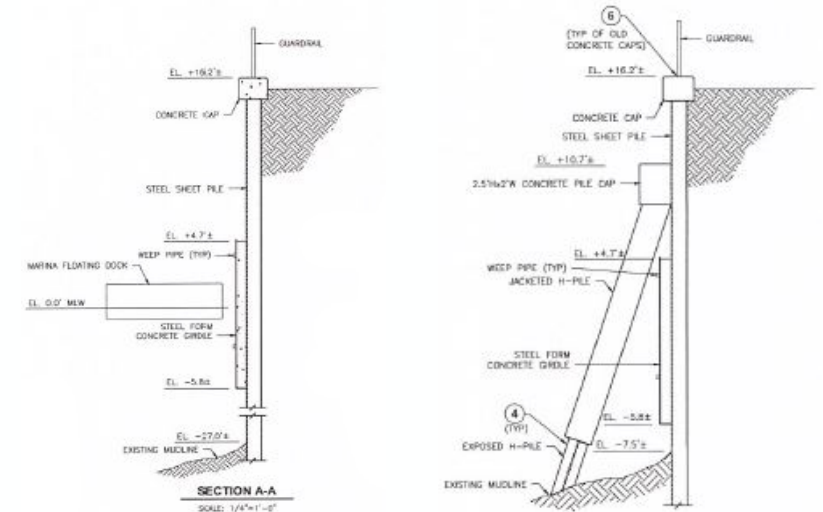


# M711 Hoosac Pier Rehabilitation Consultant Briefing – Scope of Work

1. Inspection of the existing condition of the pier.
2. Identification of areas to be repaired.
3. Rehabilitation of damaged areas.
  - Sheet Pile bulkhead repairs.
  - Batter Pile repairs.
  - Girdle repairs.
  - Corrosion System repairs.
  - Pile cap Repairs.
  - Sinkhole Repairs.
  - Patching holes in the sheet piling.
  - Filling Voids as necessary.
4. Review historic data and reports.
5. Survey and underwater inspection.
6. Prepare plans and specifications suitable for public bidding of the project.
7. Prioritize repairs.
8. Support Massport during the bidding process.
9. Conduct construction oversight/support of the project.



Steel Sheet Pile



Concrete Spall

## M711 Hoosac Pier Rehabilitation Consultant Briefing – Evaluation Criteria

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Submission shall be evaluated on the basis of the following **equally weighted criteria**:

1. Demonstrated experience and knowledge of the team for similar projects of similar size and complexity particularly important to demonstrate for the Project Manager. Highlight the experience and expertise for major sub-consultants and their assigned staff. Familiarity with public construction procurement under MGL Ch. 30, and
2. Project understanding and proposed technical approach including QA/QC process during document preparation, cost management and scheduling capabilities, construction oversight, ability to plan and perform work with minimal disruption to operations, and
3. Demonstrated experience in integrating and managing Civil 3D in planning, design and construction. Experience of utilizing Lean Design & Construction (Last Planner System<sup>®</sup>, Scrum or other tools) to increase the reliability and significantly improve projects and teams' performance, and

## M711 Hoosac Pier Rehabilitation Consultant Briefing – Evaluation Criteria

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Submission shall be evaluated on the basis of the following **equally weighted criteria (cont.)**:

4. Demonstrated project experience in sustainable and resilient high-performance infrastructure design and construction, including experience with net zero emissions design and construction, lifecycle analysis including embodied carbon of materials used in construction, and infrastructure sustainability certification schemes relevant to this proposal. Firms are encouraged to demonstrate “outside of the box” thinking for examples of inclusion of sustainable practices into its projects, and specify how those practices may be applied to this project proposal. Firms must demonstrate the capability to incorporate design features into any project type that reflect best practices in environmental stewardship, and
5. Proposed approach to enhance diversity and inclusion of the project team to increase the pool of consultants working on the Authority’s projects. For those M/WBE firms proposed, please describe type and/or category of work (i.e. architecture, structural, Lean, etc.); include the specific roles to be played by “M/WBE”, and the extent to which such M/WBE involvement is anticipated as of date of the proposal submission, (% goal).



# M711 Hoosac Pier Rehabilitation Consultant Briefing – Key Dates



Hoosac Pier

EVENT	DATE/TIME
Solicitation: Release Date	April 26, 2023
Consultant Briefing	May 4, 2023 at 9:00 AM
Deadline for submission of written questions	May 11, 2023 at 12:00PM (noon)
Official answers published (Estimated)	May 18, 2023
Solicitation: Close Date / Submission Deadline	June 8, 2023 at 12:00PM (noon)

Questions may be sent via email to [CPBidQuestions@massport.com](mailto:CPBidQuestions@massport.com) subject to the deadline for receipt stated in the timetable above.

## M711 Hoosac Pier Rehabilitation Consultant Briefing – Conclusion

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QUESTIONS?

Steel bulkhead with concrete girdle and batter piles