Maine Maritime Academy
Castine, Maine

Pier Upgrades and Waterfront Improvements Project
February 20, 2024
ADDENDUM NO. 1

Prospective bidders and all concerned are hereby advised of the following changes/modifications in the Maine Maritime Academy Waterfront Campus Pier Upgrades and Waterfront Improvements Issued-for-Bidding Drawings and Project Manual dated January 26, 2024 and are hereby requested to change their copies accordingly.

Addendum No. 1 consists of 2 pages for the Prebid Conference attendees list and 8 pages of Response to Questions for a total of 10 pages. Addendum No. 1 also includes the 2022 Waterfront Structure Condition Assessment report (180 pages) to append the Reference Materials made available to bidders.

Submit written questions during the bid phase via email to Jake Jacobs with cc to Cheryl Coviello.

Jake.Jacobs@collierseng.com

Cheryl.Coviello@gza.com

Make the following changes to the Bidding Documents, Project Manual and Specifications:

RESPONSE TO GENERAL QUESTIONS

1. We respectfully request that the bid be postponed by 3 weeks, making the bid date 4/2/2024.

   Response 1: Subsequent addendum to address this question.

2. Does MMA have photographs and/or videos of the January 2024 storms that can be shared?

   Response 2: MMA does have photographs and videos from the storms. Once compiled for distribution, they will be posted to the plan room or a link will be provided.

3. Please provide a schedule of completion for each individual project phase.

   Response 3: The new NSMV training ship is scheduled to be ready for delivery in Spring 2025. MMA has provisions in place for a temporary berth, not at MMA's campus, through August 2025. The anticipation is that Phase 1 will be completed for the end of August 2025 and that Phase 2 and Phase 3 will be completed within one year after that.

   The Notice to Contractors included in the IFB Project Manual indicates Substantial Completion for the contract shall be on or before 31 August 2026 and Contract Final Completion on or before 30 September 2026.

4. Please provide the engineer's estimated quantities/schedule of items for the project for reference to support the contractor's takeoff.

   Response 4: A schedule of items in not available. For bidding purposes, the IFB documents provide pile schedules with rock socket, rock anchor and pile bid lengths; sheet pile bulkhead tip elevations; and sizes of concrete elements and other components.

5. Could you share the wave study for the site?

   Response 5: Subsequent addendum to address this question.

6. I counted 11 piles in the design of the attenuator, could this be an even number? Ten?

   Response 6: Subsequent addendum to address this question.

7. Do you have any preliminary loading number for the piles?

   Response 7: Subsequent addendum to address this question.

8. Can the existing water supply to the floating docks be turned off and cut during construction?

   Response 8: The existing water supply for MMA's water dependent structures can be taken out of service during construction. Preferably this would be after Phase 1 is completed. Contractor to coordinate with MMA. MMA will provide temporary provisions, if necessary.

   Utility disruptions to the Town Dock services are not permitted. See IFB Specifications Section 01 05 00 Supplemental Conditions.

9. Who is responsible for decommissioning the existing transformers?

   Response 9: The existing transformers located immediately adjacent to the back of Andrews Hall are the responsibility of Central Maine Power (CMP). See IFB Drawing Sheet E-101 Electrical Demo – Stie and Pier Plan.

10. What is the expectation for supplying utilities to the completed Phase 1 structures during Phase 2 work?

    Response 10: Utility services to the Phase 1 structures are not required during construction of Phase 2. MMA will provide temporary provisions, if necessary.

11. What are the paving limits?

    Response 11: All areas disturbed during construction shall be repaved, per the pavement details on IFB Drawing Sheet C-701 Site Construction Details. Finished grade modifications and transition from the new pier deck elevation shall be per IFB Drawing Sheet C-202 Grading & Utility Plan B.

12. Can public access to MMA's property be cordoned off and controlled during construction in the summer months?

    Response 12: Public access on MMA's property can be controlled and limited during the summer months which have backland construction activity. At all times, MMA personnel and students and emergency response personnel and vehicles shall have access. MMA and the contractor shall coordinate access for MMA's vendors and services that may be needed during construction.

    See IFB Specification Section 00 72 13 General Conditions, Article 25 Management of Premises and Article 26 Safety and Security of the Premises and IFB Drawing Sheet G-004 Notes -1.

    Access to the Town Dock and privately owned structures adjacent to the work area shall be maintained. See General Notes number 33 on IFB Drawing Sheet G-004 Notes-1 and IFB Specification Section 01 05 00 Supplemental Conditions, Part 1.6.

13. Does the contractor need to provide temporary access to the Phase 1 structures during the subsequent construction phases?

    Response 13: The contractor is not required to provide temporary access for MMA to the completed Phase 1 structures during the remaining construction. MMA will provide their own launch (vessel transport). MMA and the contractor shall coordinate MMA's launch and construction activities to minimize disruption to both parties.

14. Will the existing pier be used by MMA during Phase 1?

    Response 14: During Phase 1, MMA will be using the pier and the existing floating docks within the small boat basin. See IFB Drawing Sheet G-102 Phasing Plan, Note 8.

15. Who is to serve as the contact with the Town?

    Response 15: MMA's owner's representative will coordinate directly with the Town for coordination between the contractor and the Town. At times, the contractor may participate in meetings with the owner's representative and the Town for timely coordination.

16. What is the capacity of the existing timber pier?

    Response 16: Archive drawings with the design capacities for the various sections of the existing pier are included in the Reference Material. The existing pier condition may or may not support the indicated design capacities. Refer to IFB Drawing G-004, General Note 9.

    A routine condition assessment was completed by GZA in 2022. The recommendations in the report were based on the current operational uses at

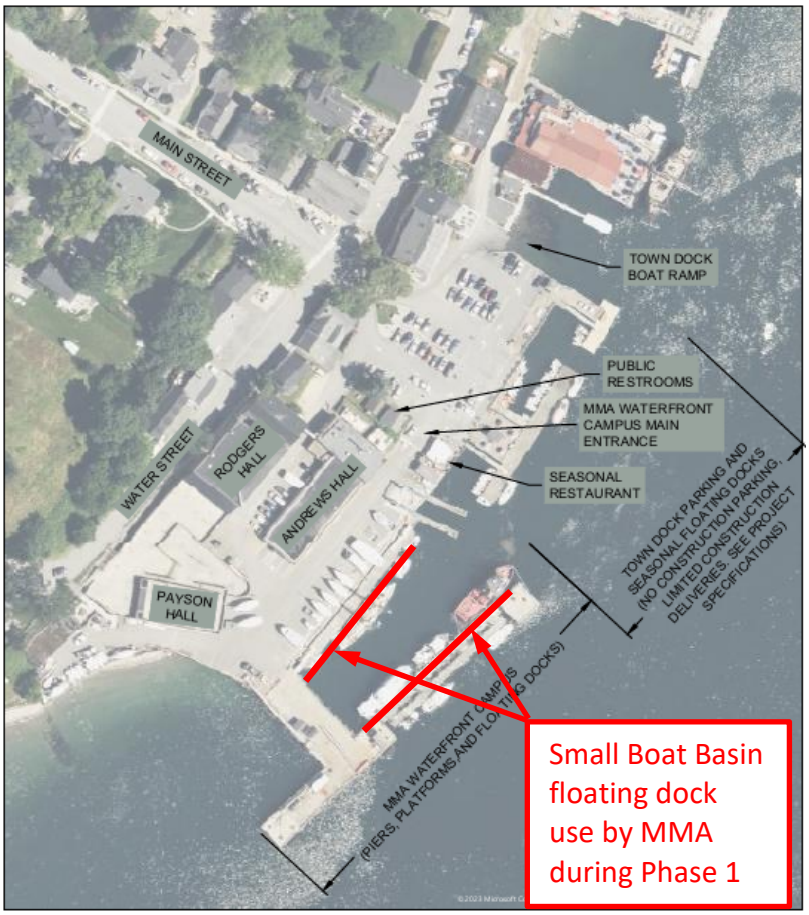
that time. The report is provided as a separate file to this Addendum and shall be considered as Reference Material subject to the same limitations as the other Reference Material made available.

17. Could MMA provide designated space on the existing floating docks for the contractor's work boat?

Response 17: MMA will provide a berth space along the existing floating dock to accommodate the contractor's work boat with and LOA of 26 feet (approximate).

18. Can a list of MMA's small fleet that will be in use during construction be provided?

Response 18: IFB Drawing Sheet G-003 Design Criteria includes a list of small fleet vessels under the Floating Dock design criteria. In addition to these vessels, MMA has other vessels that will require use of the inner boat basin during Phase 1 construction. Not all of MMA's boats will be in the water at the same time. MMA's use of the small boat basin will be limited to the berth space provided by the existing floating dock along the bulkhead and the north side of the existing floating dock between the existing mooring and berthing platforms. See below for additional annotation to the aerial image on IFB Drawing Sheet G-003. See the following table of MMA's vessels and anticipated periods of use within the small boat basin.



MAINE MARITIME ACADEMY WATERFRONT CAMPUS AND ADJECENT TOWN DOCK FACILITY

MMA VESSEL FLEET AND ANTICIPATED PERIODS OF USE WITHIN THE SMALL BOAT BASIN

Vessel	Anticipated Period of Use
Schooner Bowdoin (88' LOA, 66GT)	Small Boat Basin floating dock space required year-round with access to shore power and services. These vessels could occasionally go to moorings in warmer months when heating is not required.
Pentagoet (76' LOA, 99GT)	
Capt. Susan J Clark (70' LOA, 87GT)	
Friendship (49' LOA, 52 GT)	
MMA 1 launch (34'LOA)	Small Boat Basin floating dock space required March 20 – Nov. 30. These vessels could occasionally go to moorings.
MMA 2 launch (34'LOA)	
(4) outboard boats (19' – 25' LOA)	
Deborah Ellen (26' LOA)	Small Boat Basin floating dock space required Aug 15 - Oct. 30.
Lumpy (31' LOA)	
Addy Rae (41' LOA)	Small Boat Basin floating dock space required, occasionally. These vessels are typically kept on moorings in Smith Cove.
(20) International 420 sailing dinghies	
(12) Cape Cod Mercury sloops	
(9) Colgate 26 sloops	
Puritan Schooner (44' LOA)	
Tasman – Sidney 38 sloop	
Temptress – Taylor 41 sloop	
Nimble – Ericson 30 sloop	
Gemini – Duffy 35 power vessel	
Moxie – Holland 38 power vessel	

RESPONSE TO IFB DRAWINGS

19. These drawings do not have anything printed on them and are not printed with "PAGE INTENTIONALLY LEFT BLANK" – are they intended to have info or be blank? S-130, S-131, S-132, S-140, S-143, S-144, S-145, S-146, S-147, S148, S-151, S-152, S-153, S-156, S-159, S-160, S-162

    Response 19: The indicated IFB drawing sheets will be issued in subsequent addenda. See IFB Drawing Sheet G-002 Drawing Sheet Index for other asterisked sheets to be issued via addendum.

20. IFB Drawing S-104: The drawings indicate that additional drawings will be released via addendum. Please provide these drawings.

    Response 20: Some of the indicated IFB Drawing Sheets are anticipated to be issued approximately one week after the pre-bid conference. Additional sheets will be issued with a subsequent addendum.

21. IFB Drawing S-114: Note 2 states "See sheet S-123 for Rock Anchor and Rock Socket information." S-123 appears to be a pile cap detail Drawing, S-133 appears to be the Pier Rock Socket & Rock Anchor Drawing. Please confirm.

    Response 21: Subsequent addendum to address this question.

22. IFB Drawing S-115: Call outs to the North and South Edge Beams on this sheet say "See Table This Sheet". Please provide the table that is referenced.

    Response 22: Subsequent addendum to address this question.

23. IFB Drawing S-121: The pile cap on the left side of the section is called out as a "Type 6 Pre-Cast Pile Cap", the pile cap and beam framing plan on S-115 does not show a type 6 precast element. Please advise.

    Response 23: Subsequent addendum to address this question.

24. IFB Drawing S-137: Section callout in section 2 references sheet S-124, though it is on sheet S-137 and refers to sheet S-127 which is a section of Pile Cap Type 5A and not a Pile Cap Type 2 as it should be. Please revise to correct sheets to be referenced.

    Response 24: Subsequent addendum to address this question.

25. IFB Drawing s S-165 - S-166: The Pile Table on Sheet S-165 state 0ft of depth for rock socket for West Dolphin #1 and West Dolphin #2 Piles. However, the detail drawing for both dolphins state 6" (typ.) Rock Sockets. Please clarify whether these piles are to be drilled and socketed 6" into rock or driven to refusal with 0ft of rock socket.

    Response 25: Subsequent addendum to address this question.

26. IFB Drawing S-172: Note 1 States, "If bedrock is encountered above the required tip elevation, piles are to be drilled and socketed a minimum of five feet into sound bedrock." For bidding purposes, please provide a quantity of rock sockets required.

    Response 26: Subsequent addendum to address this question.

RESPONSE TO IFB PROJECT MANUAL QUESTIONS

27. IFB Specification Section 31 62 23.13 and IFB Drawing S-133: The Pile Bid Length Table listed in Spec 31 62 23.13 calls for concrete plugs in the Pier Piles. Sheet S-133 shows a plug, but the depth is not specified. Further, Sheets S-120, S-126, S-129 provide a note stating "24in dia x 0.625in stee pipe pile w/concrete plug, see Detail 3/S-122" however, sheet S-122 does not provide a Detail #3. Please provide the required detail and depth of the pile plugs. Please also confirm all pier piles receive the same plug regardless of whether they are socketed, driven, or have rock anchors installed.

    Response 27: Subsequent addendum to address this question.

28. IFB Specification Section 31 62 23.13: Contract Drawings. The Work includes but is not limited to driving or drilling pier and dolphin piles to sound bedrock; socketing piles within bedrock where indicated, to the depths indicated and specified..." Rock Socket depths are indicated on the drawings, however, the specification indicates "sound rock" Please provide a unit price item for additional pile lengths and additional drilling to reach sound rock in the event the bid lengths are not sufficient to reach sound rock.

    Response 28: Subsequent addendum to address this question.

29. What does NRPA Condition F mean?

    Response 29: Condition F on page 15 of 19 of the issued NRPA permit indicates that if Finding 6 is met, the work does not violate state water quality law. Finding 6 Water Quality Considerations (page 11 of 19) indicates that, in addition to erosion and sediment control measure be implemented during construction, "…CCA-treated lumber must be cured on dry land in a manner that exposes all surfaces to the air for 21 days prior to the start of construction." It is interpreted that "prior to construction" means prior to the lumber being used on site. This requirement is included in the IFB specification section 35 51 13.23 Timber Floating Docks.

    ADD to IFB Specifications Section 35 59 13.02 Timber Replacement and Timber Fender System, Part 2.1.B.1.a as follows:

B. Preservative Treatment

1. All timber shall receive a preservative treatment of Chromated Copper Arsenate (CCA) waterborne preservative system. Minimum retention shall be 1.5 pounds per cubic foot.

    a. All CCA treated timber shall be cured on dry land in a manner that exposes all surfaces to the air for a minimum of 21 days prior to use, in accordance with the Maine Department of Environmental Protection permit for the project.

30. Is containment of drill spoils required?

    Response 30: Yes, containment of drill spoils is required. See IFB Specification Sections:
    - 31 68 13 Rock Anchors, Part 3.4 Protection of Water Resources
    - 31 62 23.13 Steel Pipe Piles, Part 3.4. Obstructions and Part 3.12 Protection of Water Resources
    - 31 41 16 Steel Sheet Piling, Part 3.2. Obstructions and Part 3.6 Protection of Water Resources

31. Does the time of year restriction in the U.S. Army Corps of Engineers permit apply to pile driving?

Response 31: There are two time of year windows in the U.S. Army Corps of Engineers permit. Special Condition 7 sets a time of year restriction from April 1 to June 30 for sediment and turbidity producing activity, such as dredging. Special Condition 11 sets a July 1 to March 30 in-water window for pile installation unless one of the other listed methods in the permit is employed. The listed methods include soft starts for impact pile driving and for vibratory pile installation. During the permit application process, use of a soft start was identified for the project. As such, the IFB Specifications require the soft start procedure for impact pile driving and for vibratory pile installation. Thus, pile installation is not restricted to the in-water window.

MAINE MARITIME ACADEMY – CASTINE, ME

PIER UPGRADES AND WATERFRONT IMPROVEMENTS PROJECT

15 FEBRUARY 2024: PRE-BID CONFERENCE

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