



CITY OF MARLBOROUGH
Department of Public Works
 Engineering Division
 135 Neil Street
 Marlborough, Massachusetts 01752

March 14, 2023

To: All Bidders of Record
 Date Issued: March 14, 2023

RE: Addendum No. 1:
Lake Williams Boardwalk
Contract ED 2023-02
Bid Date: Friday, March 17, 2023 @ 9:00 AM

This addendum shall become part of the Contract Documents as described within the Instructions to Bidders section for the above referenced project. Bidders are advised that this Addendum must be acknowledged in the appropriate space provided on the Form for General Bid.

The purpose of this addendum is to clarify the following:

- Q. A 6' wide boardwalk is narrow for top down construction. Would the owner consider increasing the boardwalk width to increase safety?**
- A. The boardwalk width can be increased however the pay limits will remain the same (length of the centerline of the boardwalk multiplied by six feet). No additional compensation will be made for the additional clear span between railings.
- Q. The number of helical piers listed in the bid form appears to be based on an assumed pier spacing of approximately 8'. If a boardwalk design allows for longer spans which reduces the number of helical piers, will that be acceptable provided the construction intent of limited disturbance is met?**
- A. Yes.
- Q. How will a reduction in the number of helical piers required be reflected in the bid tab so that the owner will receive the appropriate credit?**
- A. The contractor will be compensated for each pile installed. If less piles are installed the balance of the estimated quantity would be considered a "credit" to the owner.
- Q. Will working from a barge be an acceptable alternative to top down construction provided the barge is properly designed and does not adversely impact the environment?**

A. Yes, provided the awarded contractor presents this approach to the Conservation Commission prior to start of work, and can show that the wetland resource areas will not be impacted.

Q. Rip rap along the shoreline creates an impediment to helical pier installation. Will it be acceptable to temporarily remove/relocate the rip rap in order to install the helical piers?

A. Yes, provided the awarded contractor presents this approach to the Conservation Commission prior to start of work, and can show that the wetland resource areas will not be impacted.

Q. Construction loads for top down construction will likely exceed the design loads. Please confirm that the boardwalk and helical piles must be designed for the construction equipment loads expected to be applied to the structure.

A. If the contractor proposes the top down method-the boardwalk and piles shall be designed to support the construction equipment during construction if those are greater than the stated design loads.

Q. Will you allow the piles to be installed using Handheld / Portable equipment that would not require any tracked machines in the work area?

A. Yes, as long as they are able to set the helical piles per the specification.

Q. Do they have a boring location map in relation to the work area?

A. The boring locations are shown within the construction plans.

Q. Do you expect the Load Tests to be performed? With tracked equipment not being allowed in the work area, conducting load testing there will be all but impossible.

A. Not for the boardwalk. Load tests will be required on the helical piles. Prior to the use of any tracked machines in the work area-Conservation approval and amendment to the Order of Conditions will be required.

Q. Since the pile cap is a custom, non-proprietary item, will you be providing an engineered design for the fabrication of the pile cap to accept the concrete decking?

A. It is the helical pier engineer or the boardwalk manufacturer who designs the plate or pile cap on top of the helical pier. On the precast concrete boardwalk system there are preformed holes in the ends of the precast beams. The cap plates should be manufactured with slotted holes to provide some field flexibility for the beam to pier connection.

Q. A line item for the cost of Pre-drilling should be provided as this would be on an hourly basis, and will likely be significant. Will this be added to the bid form?

A. No.

Q. Is it required for the piles installer to pay an engineer for an engineered pile cap connection to meet the steel or concrete framing just to bid the project?

A. The pile cap will be provided by the manufacturer for the steel framed boardwalk. Pile caps may need to be designed for the precast concrete boardwalk.

Q. The drone footage and seeing all the large boulders and cobble along the shoreline, I believe the chances of getting piles installed in the precise location necessary to accommodate the prefabricated framing members will be extremely difficult, if not impossible. Especially doing it from a "top down" situation. A wood framed design and decking would make it a lot easier to adjust to piles not being perfectly installed at each location.

A. The City would not allow a wood framed design and decking

Q. Do you also have a design on the galvanized steel saddle caps? If not, what size lumber and how many will be used inside of the saddle cap?

A. These are designed and provided by the manufacturer for the steel framed boardwalk. Pile caps may need to be designed for the precast concrete boardwalk. Note that wood is not an allowed material for any part of the boardwalk frame.

Q. It looks like you have listed a number of different suppliers. I see PermaTrak, MTS, Wickcraft, etc.. Will you accept concrete or steel? Are we left open to decide the type of materials for the structure? Will the steel need to be galvanized or can we substitute Weathering steel? With all the different design types are we open to bid what we feel is most competitive or do we need to adhere to a set spec?

A. Yes, concrete or steel is acceptable. The steel can be either galvanized or weathering steel. The contractor shall bid on the project meeting the specifications provided for either the steel or concrete boardwalk.

Q. Is there a buy America clause due to funding source?

A. See Appendix A Addendum Contract Section 9 "Buy USA-Domestic Preference for certain procurements using federal funds" within the contract documents.

Q. Where is the wetland replication area?

A. The proposed wetland replication area is shown with the construction drawings.

Q. Is there clearing and grubbing or only trimming?

A. See Item 1 "Incidental Construction" Section Clearing, Grubbing and Trimming within the contract specifications. The limits are shown within the construction drawings. It is assumed that trees, brush and limb overhangs will have to be removed and/or trimmed due to close proximity to proposed boardwalk.

Q. Is there any invasive species removal or only cutting down?

A. See Item 1 "Incidental Construction" Section Wetland Replication and Invasive Species Removal within the contract specifications.

Q. Any information on the armored sloped i.e., thickness?

A. The City has no records of the existing conditions for the armored slope.

Q. Is the completion date firm due to funding source?

A. The funding source is unrelated to the completion date.

Q. Are there details/specific plant types on the wetland replication area?

A. See Item 1 “Incidental Construction” Section Wetland Replication and Invasive Species Removal within the contract specifications.

Q. Do you have to dig down to the water table for wetland replication area?

A. See Item 1 “Incidental Construction” Section Wetland Replication and Invasive Species Removal within the contract specifications. It is expected that the water table is less than two feet from the surface in the replication area.

Q. Will the water level be able to be held once lowered?

A. Yes.

Q. Where will staging be allowed?

A. See construction drawings sheet no. 7.

Q. When does the City expect to award the contract?

A. The City would like to award the contract within a week from the bid opening date.

Q. Is an approved alternative to the IPE decking allowed?

A. Yes. Camaru, Garapa and Massaranduba (Brazilian Redwood) will be considered approved alternates.

Q. Does the construction equipment have to be out of the construction area at the end of each day (removed from the boardwalk)?

A. This is to be discussed further with the Conservation Commission during the pre-construction phase. Additional preventative measures may be required under the equipment if stored over the water after work hours.

Q. Can tree cutting/trimming be done at anytime?

A. See Item 1 “Incidental Construction” Section Clearing, Grubbing and Trimming within the contract specifications.

Q. Can Rt.20/ Lakeside Avenue be utilized as a unloading zone for material?

A. See Item 1 “Incidental Construction” Section Permits within the contract specifications. The contractor shall submit a change order for the City’s review regarding any police details and traffic controls required as part of the access permit.

Q. Could you provide a more detailed drawing of the guardrail design? We assume the following: Galvanized steel vertical posts. Stainless Steel Cable spaced less than 4". Top cap IPE. Bottom rub rail IPE. Spacing to meet structural loading.

A. No additional details will be provided. Contractors should assume railings are to be made of galvanized (or weathering) steel vertical posts, stainless steel cable spaced less than 4", top rail and bottom rub rail to be IPE (or allowed alternative).

END OF ADDENDUM NO. 1