CITY OF NEWBURYPORT
DEPARTMENT OF PUBLIC SERVICES
6C PERRY WAY
NEWBURYPORT, MA 01950
TWATKINS@CITYOFNEWBURYPORT.COM
978-465-4420

Invitation for Bids No. 24-08

Bartlet Mall Frog Pond Restoration Project

Addendum #1

All bidders shall acknowledge receipt of this Addendum #1 within their Proposal.

RESPONSES TO QUESTIONS FROM PROSPECTIVE CONTRACTORS

1. As we review the specs in preparation of our Moleaer offering (Section 33 1200 Part 2.3), item D states 'capability' of remote monitoring; this is interpreted as not necessarily providing the instruments, but rather the Moleaer equipment having the capability to remotely monitor those parameters (DO, pH, ORP, Temperature and Conductivity)…please confirm.
   A: The specifications require remote monitoring of the parameters described in the specifications and outlined above. It is required that the system is not only capable of providing this information, but that the constructed system provides remote monitoring which is the standard operating procedure for the City of Newburyport. Which piece(s) of equipment that accomplishes this are left to the Contractor's means and methods.

2. Also, regarding instrumentation, the use of the term "in situ" has generated a bit of confusion, and it's assumed the term is used to reference "in-situ" or "on-site" YSI (Xylem) instruments, and not to utilize ChemScan's 'In Situ' sonde model instruments…please clarify.
   A: Please provide a reference to where "in situ" is used to describe the water quality system on the drawings and/or in the specifications. Regardless, the water quality system needs to be capable of, and built to, monitor and remotely report the specified water quality parameters. Which piece(s) of equipment that accomplishes this are left to the Contractor's means and methods.

3. Again, Moleaer will not be supplying the specified remote monitoring instruments (DO, pH, ORP, Temperature, and Conductivity), and in addition, they do not have the remote monitoring capabilities of these instruments. All instruments and monitoring will have to be provided by the instrumentation manufacturer (in this case YSI? – please confirm).
   A: It should be noted that Moleaer advertises remote water quality monitoring as an option on the Clear 50 Nanobubbler Generator:

OPTIONAL UPGRADE FEATURES	
Remote Monitoring	Equipment performance sensors included standard, option to upgrade to access real time data and receive notifications
Dissolved Oxygen	Option to include Dissolved Oxygen (DO) sensor in unit and monitor data 24/7
External Water Monitoring	Option to include additional water quality sensor to monitor Temperature, Conductivity, pH, ORP, DO, Chlorophyll-A

However, which piece(s) of equipment that accomplishes this remote water quality monitoring are left to the Contractor's means and methods.

4. Also, to add, the Clear model specified for the project is a Clear 50 that will pump the total volume of Bartlett Frog Pond approximately once a month. However, that doesn't allow for contingencies such as rainfall and other water inputs (external loading). Moleaer suggests changing the specification to the Clear 150 model that will pump the total volume of Bartlett Frog Pond approximately 2.5 times a month.
   The cabinet size and voltage (230 volts) for the Clear 50 and 150 is the same.
   Moleaer also suggests the following changes in the specifications.
   Change intake and discharge pipe sizes from 2 inch to 3 inch.
   Change running amp draw from 5.6 to 15.

   A: The nanobubble generator is a <u>supplemental</u> piece of equipment within the water quality system that is meant to add additional dissolved oxygen into the Pond. It is at the Contractor's discretion should an "approved equal" be selected. Regarding the additional "water inputs", the pond will be supplemented with bedrock well water (as there is no natural inlet or outlet) and there are three drywells for emergency overflow purposes for the Pond, and approximately 6-inch of freeboard across the entire Pond's surface area to accommodate said additional "water inputs".

5. Could you share if there was any analysis done on the strength of the soils in the pond bottom to accept heavy equipment for construction?

   A: Appendix C of the bid set included GEI's March 2022 Investigation Summary, Detailed Alternatives Evaluation, and Recommendations. Section 2.1.2 and Table 3 described the in-situ vane shear tests to measure the undrained shear strength of the soft, cohesive sediments in pond. Since the means and methods for regrading, liner installation, etc. are up to the Contractor and types of heavy equipment/support that could be utilized can vary broadly (e.g. bobcat, low-ground pressure equipment, long-stick excavator, matting, etc.), testing to evaluate how the sediment may accept specific types of heavy equipment was not performed.

6. Could you confirm that it is acceptable to install rock fill in the pond to firm up the pond bottom for access to complete the work and that any material imported and placed could be left in place if it was below the planned subgrade and design materials?

   A: Placement of Imported rock may be allowable if the rough grades identified in Drawing C-104 are not exceeded; however, additional permitting or special permission from the Newburyport Conservation Commission is likely required since this would result in additional filling of Land Under Waterbodies and Water Ways that has not been previously permitted. Any delay to the project resulting from the need to obtain permit amendments/modifications shall be at the Contractor's sole expense including all effort required by the City's engineers and consultants to support obtaining this additional approval. No extensions to project schedule will be granted.

   Further, should this or other alternatives be proposed, the Contractor may utilize the Value Engineering provisions presented in the bid documents to provide alternative solutions that help meet the City's project goals while keeping project costs within the approved project budget..

7. Could you share if there were any preferred or consulted suppliers for any of the mechanical components of the systems?

A: The following points of contact, in no particular order, should be considered for the Pump Shed mechanical system:

Ed Ceaser
Gustavo Preston
(978) 857-9127

Mike Green
Watertronics
(262) 337-3318

Rob Aldinger/Tim Blank
Precision Pumping Systems
(208) 323-5300

8. Could you share who the bidders were and the results of the previous bids related to the pond and statue work?

   A: The City of Newburyport received no bids for IFB No. 24-04: Bartlet Mall Frog Pond Restoration Project. The City received only one bid for IFB No. 24-05: Bartlet Mall Swan Fountain Restoration Project. That bid was submitted by Cassidy Bros. Forge, Inc. of Rowley, MA at a price of $229,000.00.

9. Could you share any addendums and additional information that was issued as part of the last bid for the pond and statue projects?

   A: Addendum No. 1 for IFB 24-04 can be downloaded from this link: https://www.cityofnewburyport.com/finance-department/bids/bartlet-mall-frog-pond-restoration-project