REGIONAL DISTRICT OF NANAIMO

REQUEST FOR PROPOSALS No. 23-048

Melrose Terrace Reservoir Replacement Project

Addendum 1
Issued: August 15, 2023

Closing Date & Time: on or before 3:00 PM Pacific Time on August 31st, 2023

This addendum shall be read in conjunction with and considered as an integral part of the Request for Proposal. Revisions supersede the information contained in the original Proposal or previously issued Addendum. No consideration will be allowed for any extras due to any Proponent not being familiar with the contents of this Addendum. All other terms and conditions remain the same.

Questions and Answers:

Question 1: Can you provide details on the scope of underground and interior pipe works?
Answer 1: The project scope does not include replacing any underground pipes. All interior pipes currently enter the reservoir through its base. The base concrete for the new reservoir will be poured keeping all the pipe entry locations to the new reservoir same as the existing reservoir. If the new reservoir is smaller than the existing reservoir, the drainpipe at the centre of the existing reservoir may need to be repositioned to locate at the centre of the new reservoir.

The contractor shall expose the underground pipes before any excavation near the pipes and if any underground pipes are damaged during construction of the new foundation or removal of the existing foundation, the contractor will replace the damaged underground pipes at no additional cost to RDN.

Question 2: Can you provide the size and material of the interior pipes?
Answer 2: All pipe materials inside the existing reservoir are PVC. The pipe sizes are given in the site layout attached with the RFP. The new interior pipe material and sizes will be the same as the existing pipes.

Question 3: Budget is insufficient for the scope of work, specified in the RFP. What can be done?
Answer 3: We encourage all proponents to submit a proposal with a price as close as possible to the specified budget. The followings would be considered acceptable to accommodate the price within budget.

a) Provide a solution that fits the budget. The alternate solution must comply with available industry standards and state any assumptions in detail.
b) The minimum requirement of 20,000 Imp. Gallon tank size may be further reduced by additional 5,000 Imp. Gallon (i.e. minimum 15,000 Imp. Gallon tank size), only if the proponent can prove that the additional 5,000 Imp. Gallon size reduction would result in a significant cost savings.
c) Itemize the costs for different project components separately so that, if necessary, certain component(s) can be removed from the project scope to accommodate the budget.

Question 4: Will RDN accept a welded stainless-steel tank in lieu of a bolted tank?
Answer 4: Yes, welded stainless steel tank would be acceptable in lieu of a bolted tank.

Question 5: Does the scope of work include pouring a new foundation?
Answer 5: Yes, the foundation design and construction are part of the scope of work.

Question 6: Can we install the new tank over the existing foundation? If so, would a steel floor be accepted?
Answer 6: Please see the answer to the question 7 in regard to reusing the existing foundation. The new reservoir will need concrete conical bottom floor.

Question 7: Considering there is no geotechnical report available for a new foundation design, would RDN consider getting a Structural Engineer assess the existing foundation to check if the existing foundation can be reused for the new reservoir and certify its compliance with Building code?
Answer 7: Please see the answer to Question# 11 below.
There is very limited information available on the existing foundation and so, the scope of work determined for this project and be maintained throughout this procurement process include design and construction of a new foundation. **However, please itemize the cost of design and construction of the foundation separately.** When more information will be known about the existing foundation after demolishing the existing reservoir, RDN may decide to get the existing foundation assessed by a Structural Engineer. If the new foundation cost is itemized separately in the proposal and if the assessment shows that the existing foundation is in a reusable condition, RDN may request to remove the new foundation from the project scope at that time and adjust the contract price accordingly.

Question 8: Is there a holdback on payments for the project?
Answer 8: In accordance with the BC Builders Lien Act, RDN will retain 10% holdback from every payment of the completed works and the holdback will be released 55 days after the issuance of the substantial completion certificate (if no lien claim is filed).

Question 9: Can a 10% holdback be used in lieu of bond? Alternatively, would RDN accept Letter of Credit in Lieu of Bond?
Answer 9: As an alternative to the Performance Bond and Labor and Material Bond, the RDN would accept an Irrevocable Letter of Credit in the value of 50% of the total contract price. The letter of credit must continue at least 2 years after the substantial completion of the project.

Question 10: Are there any drawings of the existing reservoir or its piping connections so we can allow for the correct nozzles on the new one?
Answer 10: The record drawing for the existing reservoir and interior piping are not available. The site layout attached with the RFP shows the piping configuration. Please also see the Answer to the Question 2.

Question 11: Is RDN planning to conduct a geotechnical investigation and provide the report to the contractor's designer for the foundation design?
Answer 11: Yes, in order to ensure that the new reservoir foundation is designed correctly, RDN is planning to conduct a geotechnical investigation through a third-party consultant when the existing tank will be demolished. The geotechnical report will be made available to the successful proponent.

Question 12: Is exterior ladder required?
Answer 12: Yes, an exterior ladder with necessary safety devices will need to be installed as per the requirements specified in AWWA D103-19 Factory Coated Bolted Carbon Steel Tanks for Water Storage and AWWA M42 Steel Water-Storage Tank.

Question 13: Could you also confirm if tank and foundation are to be designed for post disaster?
Answer 13: Foundation shall be designed and constructed as per Section 13, AWWA D103-19 Factory Coated Bolted Carbon Steel Tanks for Water Storage.

Question 14: Is RDN ok with budgetary pricing on the foundation design, supply and install, considering there is no geotechnical report available at this time?
Answer 14: Budgetary pricing on the new foundation is acceptable as long as the assumptions are stated in detail and the foundation prices are itemized separately. After the geotechnical investigation, any claim of adjusting foundation price will be evaluated by comparing the actual soil condition/recommendation of the geotechnical report with the stated assumptions of the foundation budgetary price and estimate the price impact accordingly.

Question 15: Is RDN ok with top water level in the new reservoir being at a higher elevation than existing reservoir?
Answer 15: Since the new reservoir is anticipated to be smaller than the existing reservoir, the top water level in the new reservoir is likely to be at a lower elevation than the existing reservoir. In case, the new reservoir top water level is slightly higher than the existing, we don't anticipate any problem with the pump station-reservoir process.

Question 16: Is RDN requiring a concrete foundation, or a sloped steel floor would also be acceptable?
Answer 16: As per the Section 4(2), Scope of Services, the new reservoir shall have concrete conical bottom floor.

Question 17: Is a flat floor acceptable?
Answer 17: No

End of Addendum 1