



January 23, 2018

Dear Proponents

RE: Heritage Wharf Cathodic Protection

The Government of Bermuda, Ministry of Public Works has received the following questions from interested bidders and offers the following answers that will form Addendum 1.

The following addendum supersedes information contained in drawings and specifications issued for this project to the extent referenced. This addendum forms part of the Tender Documents and is subject to all of the conditions set out in the contract conditions.

1. Can you tell me the total approximate length of the piles? The measurement is not clear in the document.
 - Response: Typical water depths are between 40-45' below chart datum. Piles extend a further 18' minimum into firm limestone stratum, and typically 3' to 4' above chart datum to the underside of the deck/pile cap.
2. Reading the document at the end of the page 56 and starting 57, it states that the new dolphins have already anodes installed on them. The same is stated in the table on pages 57-58. They also state that the CP is in good conditions can you confirm that this is the case, and why are you asking for a new CP for these locations?
 - Response: The "new" dolphins do not require new cathodic protection. Entech Drawings S-5 details the extent of the works.
3. In part 1 General, page 30 of 81, "The design of a new Cathodic Protection system to existing steel piles and all rebar within the bridge, main deck, and dolphins. In chapter 2 that starts on page 43 of 81, paragraph 2.1 only mentions the piles and that the CP should be of sacrificial anode system, which is ok for the piles. But, can you verify if the concrete structures' rebars need to be protected as well. In this case, an impressed current system using MMO mesh is more appropriate.
 - Response: The rebars in the concrete structure do need protection (per Annex A Scope of Work).
4. Can you please send us the Annexes E2 – Short Format of contract?
 - Response: Attached to this Addendum.
5. Can we have a deadline extension for 1 week in order to finalize our proposal?



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- Response: The tender return date will remain unchanged. There is a conflict between the Procurement Website and the Tender Document. For clarification, the tender return date is Wednesday February 7 2018, at 3pm AST.
6. The opening bid date is public, can we participate and when is it planned?
- Response: The tender opening is public, and will be held immediately after the closing date and time, in the Ministry of Public Works Engineering Boardroom, 3rd Floor General :Post Office Building, Church Street, Hamilton, Bermuda.
7. Kindly provide painting details. Is it fully painted or bare?
- Response: The piles are unpainted, but were installed with a protective coating. Per the photographs and Report by Onsite Engineering in Annex B, the protective coating is peeling away in a number of locations.
8. If its painted, then the piles are painted up to which level?
- Response: See point 7 above.
9. Which level we can consider as seabed level ? 11.5m or 12.5m. Kindly confirm.
- Response: See point 1 above.
10. Piles toe level is 30m ? Kindly confirm.
- Response: See point 1 above.
11. According to Annex A, the piles need to be protected are totally 289 Numbers? Kindly confirm.
- Response: Correct, in addition to the deck and bridge reinforcement.
12. Kindly provide LAT level.
- Response: Chart Datum plus 0.100
13. Kindly provide the detail drawings for Bridge and main deck.
- Response: Attached to this addendum, Entech Drawings S-10, S-11 and S-16

Note. Proponent's attention is drawn to Request for Proposals Part 1.4.2 Site Inspections and to the Cathodic Protection Performance Specification March 2013 Section 2.4 Pre-design Information

Please note that all addenda will be posted on the Governments Procurement Notice Site, www.gov.bm .