

ADDENDUM NO. TWO (2)
TO
THE CONTRACT DOCUMENTS FOR
DESIGN-BUILD OF LOCKHART WATER TREATMENT PLANT RFP
IN
HERNANDO COUNTY, FLORIDA
SOLICITATION NO. 21-R00077/PH

PROPOSERS ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF
THIS ADDENDUM BY SIGNATURE AT THE BOTTOM OF
THIS ADDENDUM IN THE SPACE PROVIDED AND
RETURNED AT THE TIME OF THE PROPOSAL DUE DATE.

TO ALL PLANHOLDERS:

The following changes, additions and/or deletions are hereby made a part of the Contract Documents for **DESIGN-BUILD OF LOCKHART WATER TREATMENT PLANT RFP** located in Hernando County, as fully and completely as if the same were fully set forth therein:

QUESTIONS AND ANSWERS

1. Question: Are we to submit only that page of the contract with our proposal or the entire contract document with price component filled in? Is this pricing page(s) to be submitted separately from the proposal documents (sealed) or included as part of the proposal?

Answer: Per RFQ document 21-R00076/PH, Section 3.3.2, Page 51, pricing should be in a separate, sealed envelope. Please include the entire contract document with the price component filled in.

2. Question: In reviewing the requirements, Section 3.4 Technical Proposal (page 11 of the RFP) states the technical proposal may not be longer than 20 pages (excluding the plan sheets). It then lists numbers 3.4.1 through 3.4.5.3 detailing some of the info that should be addressed in the Technical Proposal. However, the RFP goes on to detail more info -- sections 3.5 through 3.8. I'm unclear on if these sections are separate (because they aren't under number 3.4) or are a part of the 20-page technical limit. Can you clarify which numbered items (from 3.4 to 3.9) in the RFP are to be included within the 20-page Technical Proposal?

Answer: Items 3.4 through 3.9 are included in the 20-page Technical Proposal.

3. Question: We have the following question associate with the RFP noted above:

The RFP documents requires the construction of a 2MG finished water storage tank but does not include any previous or current data related to geotechnical conditions for the site. Can the county provide the soil data / investigative reports utilized to design Well #1 or Well #2 at the site to allow the DB team to evaluate the need for soil improvements or deep foundations for the 2MG storage tank? Without any previous geotechnical exploration of the site, the owner or DB contractor takes on a great level of risk associated with the potential need for soil improvements or deep foundations to support the 2MG storage tank. If no data is available, we

respectfully request that the County provide direction to the DB teams on who shall take the risk associated with any potential soil improvements for this tank. We suggest that the owner

carries a contingency for this risk item so that the DB teams do not include unneeded costs in the fixed price proposal. If the geotechnical investigation conducted by the Design-Builder indicates improvements, only then would the contingency be used. Please advise.

Answer: Well construction reports for Lockhart Well #2 & #3 attached. Geotech data for well #1 is not available. HCUD agrees that a contingency shall be carried for this risk item so that the DB teams do not include unneeded costs in the fixed price proposal. If the geotechnical investigation conducted by the Design-Builder indicates improvements, only then would the contingency be used.

4. Question: We respectfully submit the following questions in regards to Step 2 of the Design-Build of Lockhart WTP Expansion, RFP No. 21-R00077/PH:
- Our team would like to request a site visit sometime in December, if possible.
 - A non-mandatory site visit to the Lockhart WTP and well site #3 was completed on 1/14/22.
 - Are we to submit a Payment and Performance Bond with our proposals?
 - A payment & performance bond will only be required from the selected DB team, thus bond submittal is not necessary during the proposal phase.
 - Can we get the following documents and files from the M&C 30% Design:
 - Site survey files in CAD
 - Site survey files are not available in CAD format. PDF format attached.
 - CAD drawings of site, civil, mechanical and electrical
 - Site, civil, mechanical and electrical CAD drawings are not available. PDF format attached.
 - Geotechnical Report and site boring logs
 - Construction report for Well #2 attached. No boring logs available.
 - 30% - Preliminary Engineering Report (PER)
 - No Preliminary Engineering Report is available.
 - Can we get the following documents for Existing Well No. 1 and No. 2 and WTP Water Quality Data
 - Well Completion Reports – Well No. 1 and No. 2
 - Raw Water Quality Data – pH, Iron, hydrogen sulfide, TOC, Total Alkalinity
 - WTP DMRs – Average Daily Flow, Peak Day Flow, Total Chlorine Residual, Sodium Hypochlorite daily feed rate (gph) and use in gallons per day.
 - High-Service Pump Station - Current Operating Pressure (low and high pressure range)

Requested Docs for well #1 & #2

- a. Well completion report not available for well #1. Well construction report attached for well #2, in addition to most recent specific capacity test. Construction report also attached for well #3.
- b. Lockhart WTP 2017 & 2018 Water Quality Reports attached.
- c. Lockhart WTP 2021 MORs attached.
- d. The Lockhart WTP currently operates in conjunction with the Ridge Manor West WTP according to the water level elevation at the Ridge Manor Elevated Storage Tank (Lead On – 125 ft, Lag On – 120, Off – 135 ft). The plant operates on local pressure settings

as a backup only in the event there is a communication or other issue with the EST (On – 29 PSI, Off – 50 PSI). The existing plant control strategy is included below for reference. Please note, with the completion of this project, the Lockhart WTP will no longer operate based upon the EST levels. Instead, it shall operate solely based upon local pressure settings. For purposes of the GMP submittals, Data Flow Systems (DFS) has been made aware of HCUD's requirements for this project and will supply identical quote packages to all proposers for the necessary SCADA components and required programming. Please allow 2-3 weeks for those documents to be completed. The DFS contact will be Randy Wyatt. Once a DB team has been selected, they will be responsible for obtaining from DFS any necessary design drawings to incorporate into the final engineering plans, in addition to shop drawings during the construction phase.

EXISTING LOCKHART WTP CONTROL STRATEGY

Overview

The Elevated Storage Tank (EST) site consists of an RTU; there are no automated controls at this site. The RTU reads the tank level and transmits the signal, via telemetry, to Ridge Manor West #1 and Lockhart Well. Both the well sites consist of an RTU containing a Programmable Logic Controller (PLC). The automated controls at both these sites are identical and the PLCs are interchangeable. A logic control is placed in the HyperTACII computer that tells the Lockhart PLC whether it is in Lead or Lag position with respect to Ridge Manor West #1. Should Ridge Manor stop functioning, Lockhart will stay in the last position and continue to operate in that condition. Each PLC will be independent of the other PLC for general pump operation. Should either of the local PLCs recognize a loss of communication or remote transducer fault, the pump will run according to the local pressure settings. Monitoring functions will be Pump Run, Local PSI, Local/Remote and Phase Monitor if available. No additional instrumentation other than pressure transducers are added. Should the PLC fail, the Lockhart well will continue to try to maintain the tank level based on the existing

controller at the well. Should the tank signal fail, a local transducer at Ridge Manor will take over as the PLCs primary signal source for tank level and continue with the set point alternations.

Sample Sequence

Ridge Manor West #1 will be Lead and will start the pump according to the Lead set points. When the EST level falls to the Lag start set point, the Lockhart Well will be started, and both pumps will continue to pump until the tank level has reached the stop level. After the Lead pump is stopped, the PLC in Ridge Manor will alternate to the Lag position and send a signal that it is in the Lag position prompting Lockhart PLC to assume Lead. The Ridge Manor PLC will monitor the Lockhart pump-running command and will reset to Lead after the Lockhart well pump has cycled. The pumps will continue to operate in this fashion following a Lead / Lag last run alternation.

Additional HCUD Comment:

Section 1.4.3.6 of the DCP includes the following requirements for Well #3:

- Provide a single-mode fiber optic cable from Well No. 3 to the main WTP. Install the cable in conduit within the same trench as the raw water main
- Provide single-mode to multi-mode fiber optic cable converters to facilitate connection to the DFS system

These requirements shall be replaced with the following:

- Per section 11.2.3 of the HCUD Specifications Manual, provide a telemetry antenna tower and associated equipment necessary to communicate with the Lockhart WTP RTU. Required tower height shall be as determined by Data Flow Systems.

Additional HCUD Comment:

Clarification regarding the generator for well #3. It was discussed during the recent site visit that HCUD wishes to determine if the existing well #2 generator can be repurposed for well #3.

HCUD requests the DB teams submit 2 (two) GMP variations, as follows below:

1. GMP Variation #1: This variation assumes the existing generator for well #2 will NOT be sufficient for well #3. Include the electrical design cost to size the generator for well #3. Include the cost to purchase and install a new generator at the well #3 site per the sizing requirements.
2. GMP Variation #2: This variation assumes the existing generator for well #2 WILL be sufficient for well #3. Include the electrical design cost to size the generator for well #3. Include the cost to move and install the existing well #2 generator at the well #3 site.


Well #2 generator shop drawing attached.

Additional HCUD Comment:

The existing well house surrounding well #1 shall remain as-is, with the exceptions of certain components being removed per the DCP. To clarify, there will be no rehab work required for the interior or exterior of the existing well house.

BOARD OF COUNTY COMMISSIONERS
HERNANDO COUNTY

Acknowledged



Patty Hall
Purchasing Coordinator

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