



Audit Finance

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SHAWNEE COUNTY, KANSAS

Sherwood Regional Water District Asset Rehabilitation Project Pump Stations 16,
28, 53, 54, 57 & 61
Project No. S-401021.00

ADDENDUM NO. 4

October 14th, 2022

TO ALL BIDDERS:

Contractors submitting proposals for the above referenced project shall take note of the following changes, additions, deletions, clarifications, etc. to the Plans and Specifications which shall become a part of and have precedence over anything shown or described in the Contract Documents and shall be taken into consideration and be included with Contract Documents for the referenced project.

NOTE: Bidders must acknowledge receipt of Addenda on the first page of Document 330, BID FORM and sign below and attach this sheet to the bid submittal.

BARTLETT & WEST, INC.

Company

Andrew Wright, P.E.

Signature

GENERAL CLARIFICATIONS

- A. The only communications equipment provided by the contractor shall be the communications tower and conduit to the pump station for all pump stations. The communications equipment shall be provided by the City at a later date. Control panel manufacturer shall show the future location of all communications equipment in the shop drawing for the control panel.
 - 1. Communications equipment to be supplied and installed by the City is as follows: Network Switch, CAT 6 Surge Protection and POE injector, and a 48V DC power supply. Ensure there is adequate space in the PLC control panel for City Equipment. The City is also Supplying the Radio, Antenna and Ethernet Cables to connect the PLC panel to the Radio. Contractor not responsible for supplying this equipment.
- B. Senne and Company, Inc Topeka, Kansas is approved as a manufacturer of the monopole antenna towers for the stations.
- C. Any pump station with pumps 10 hp or greater shall have VFDs in lieu of across the line starters.
- D. Contractors shall be allowed to work on more than 2 pump stations at a time if a schedule is submitted and approved showing that the station can be substantially complete within 90 days.
- E. If an alternate bypass pumping plan for pump stations 53 and 54 is submitted and approved that does not require floating the bypass piping across the lake, the contractor will not be restricted to working on those stations between November 30th & September 28th.

QUESTIONS AND ANSWERS

- A. How thick are the concrete slabs around the valve vault and wet wells at pump stations 16, 28, 57, and 61?
 - 1. The slabs around the valve vaults and wet wells at pump stations 16, 28, 57, and 61 shall be 8-inches thick with WWF and a 12" thickened edge.
- B. What is the HP and FLA of the pumps that are to remain for PS 53?
 - 1. The HP is 7.5, and the FLA is 9.6 A.
- C. Shall enclosures be Nema 12 Enclosures or Type 4X? both are shown on the drawings, but Type 4x are required in the general specs.
 - 1. Enclosures shall be Type 4X

- D. Shall PLC programing be done by the City or the contractor?
1. The City will provide the PLC programing.
- E. The plans for PS61-Duplex 3hp and PS57-Duplex 20hp, show something other than VFD, it shows FVNR, is this correct?
1. It is correct, however, please note that any pumps greater than 10hp will require VFDs, this requirement will be added via Addendum 4.
- F. Wet Well Controller – Is this needed or should the PLC do the level control? If it is needed, what make and model?
1. PLC shall do the level control, wet well controller is not needed.
- G. TropOs 1420 – Who Provides it? Does it mount in controller?
1. The TropOs 1420 will be provided by the City separate from this project. All communications equipment will be provided by the City.
- H. Moxa SDS-3008 Ethernet Switch – Who is providing?
1. The ethernet switch shall be provided by the Contractor.
- I. Electrical Drawings show a Subpanel Layout for the enclosure – The layout shows something tagged TSAT, What is TSAT (my guess would be satellite network item), need technical information, with dimensions and wiring info.
1. TSAT is the abbreviation for “thermostat” to control the heater in the panel.
- J. If the PLC hardware show exceptionally long lead times, do they want to wait on them or quote substitutes?
1. We will wait if there are long lead times. Some time to allow for lead times is included in the contract, and during the prebid meeting, the County said that they would work with the contractor if more time is needed.

FRONT END DOCUMENTS

A. Document 530

1. Paragraph 3.1.2; replace the existing paragraph 3.1.2 with the following paragraph:
 - a. It is critical that disruption to the residents be minimized during the course of construction. During the course of the project, the contractor shall be limited to working on two (2) pump stations at any give time, unless a schedule is submitted and approved showing that additional pump stations can be worked on concurrently and the individual requirement of 90 days to substantial completion for each pump station can be met. When a substantial completion for a pump station has been approved, or when the schedule showing that more than two pump stations at a time can be constructed in a timely manner is approved, the contractor will be issued a notice to proceed for another pump station. It is assumed that the contractor will have to work concurrently on a minimum of 2 sets of pump stations to complete the project within the contract time.

TECHNICAL SPECIFICATIONS

B. Document 015110

1. Part 1, Subsection 1.02; delete Subsection 1.02 in its entirety.
2. Part 1, Subsection 1.03; add the following Paragraphs to section 1.03.

B. Contractor shall submit a Statement of Qualifications (SOQ) for the firm performing the temporary bypass pumping. The SOQ shall document successfully completed projects pumping a minimum of 50 gallons per minute (gpm) of wastewater in the United States within the past 5 years. The SOQ shall include at least 3 references for projects performed that are similar in size and complexity to this project.

3. Part 2, Subsection 2.01, paragraphs A. and B; replace paragraphs A. and B. with the following Paragraphs

- a. Contractor shall provide all pipeline plugs, pumps of adequate size to handle peak flow, and temporary discharge piping, to ensure that influent flows can be safely diverted around the pumping stations. Diversion pumping system shall be operated 24 hours per day 7 days per week, including holidays, for the duration of pump station rehabilitation
- b. Contractor shall install as many pumps as needed to divert the influent flow around the pumping stations. All pumps shall have a minimum capacity of 50 GPM. At least one (1) standby pump(s) shall be provided for immediate use in the event of an emergency or breakdown. Pump pipelines shall be readily isolated by individual valves.

C. Document 333219

1. Part 2, Subsection 2.03 Paragraph B. 5; Add the following paragraph 6 after paragraph 5, Renumber the existing paragraph 6 to paragraph 7:

6. Ensure there is adequate space in the PLC control panel for City Equipment. The panel equipment the city is providing is a follows: Network Switch, CAT 6 Surge Protection and POE injector, and a 48V DC power supply. Contact the City for the model specifics and sizes.

2. Part 2 subsection 2.03 Paragraph K. 9; replace the existing paragraph 9 with the following paragraph.

9. Equipment for communications to SCADA shall be provided by the City. Contact the City for the model specifics and sizes. Panel equipment the city is providing is a follows: Network Switch, CAT 6 Surge Protection and POE injector, and a 48V DC power supply. Ensure there is adequate space in the PLC control panel for City Equipment. The City is also Supplying the Radio, Antenna and Ethernet Cables to connect the PLC panel to the Radio.

PLANS

A. Drawing C130

1. Add the following sentence to the end of General Note 2:
 - a. IF AN ALTERNATE BYPASS PUMPING PLAN FOR BYPASS 1 IS SUBMITTED AND APPROVED THAT DOES NOT REQUIRE FLOATING THE BYPASS PIPING ACROSS THE LAKE, THE CONTRACTOR WILL NOT BE RESTRICTED TO HAVING THE BYPASS INSTALLED BETWEEN NOVEMBER 30TH & SEPTEMBER 28TH.

B. Drawing C140

1. Add the following General Notes to Drawings C140.
 1. THE CONTRACTOR SHALL SUBMIT ALL TESTING AND TIE-IN AND BYPASS PUMPING PLANS.
 2. BYPASS PIPING FOR BYPASS 1 SHALL ONLY BE INSTALLED FROM NOVEMBER 30TH THROUGH FEBRUARY 28TH. IF AN ALTERNATE BYPASS PUMPING PLAN FOR BYPASS 1 IS SUBMITTED AND APPROVED THAT DOES NOT REQUIRE FLOATING THE BYPASS PIPING ACROSS THE LAKE, THE CONTRACTOR WILL NOT BE RESTRICTED TO HAVING THE BYPASS INSTALLED BETWEEN NOVEMBER 30TH & SEPTEMBER 28TH.

C. Drawings E131 and E141

1. Add the following wording to the end of Reference Note 5:
 - a. CONTACT CITY FOR MODEL SPECIFICS

D. Drawings E113, E213, E513, and E613

1. Add the following note as Note 4:
 - a. SPACE TO BE PROVIDED FOR THE CITY TO FURNISH AND INSTALL A NETWORK SWITCH, CAT 6 SURGE PROTECTION, POE INJECTOR, AND A 48V DC POWER SUPPLY. CONTACT CITY FOR MODEL SPECIFICS