

QUESTIONS FROM BIDDERS
MAIN STREET PUMP STATION REHABILITATION
FOR
CITY OF CARTERSVILLE, GEORGIA

W&S Project No. 027-21-140

Bid Date: THURSDAY, MAY 26, 2022 @ 2:00 PM

Updated:

5/20/2022

Question #	Question	Answer
1	What is the Engineer's cost estimate for the project	\$ 1,750,000 Dollars
2	Will there be a pre-bid conference?	No, there will not be a pre-bid conference.
3	Who do I contact to schedule a site visit?	Please coordinate and schedule all site visits with the Daniel Duke @ 404-821-6637
4	The three (3) feet of straight piping run from the reducing long radius elbow is less than the HI requirement; can you shift the manifold outboard at all to accommodate the HI design requirement?	The suction and discharge headers cannot be separated any further. As currently detailed, the pump and piping layout does meet Hydraulic Institute Standards. By using a long radius reducing elbow, and area reduction from 16" Ø to 12" Ø (~44% area reduction), the minimum required straight run of pipe upstream of the pump is 2 pipe diameters, and 3 pipe diameters is detailed.
5	Plan and Sections drawing M.02 shows offset suction and discharge lines; these are actually on the same centerline in the ITT Goulds selection and NOT offset as they would be in a two stage unit.	That is acceptable. This will be clarified via Addendum No.1.
6	The suction flange of the ITT Goulds selection is probably limited to a 125# pattern and thickness; however, the discharge should be the required 250" pattern and thickness.	This will be clarified via Addendum No.1.
7	46 10 60 2.5 T. lists several items including some that are separate tests such as vibration and sound. 2.5 T. 4. Notes a testing requirement for "temperature", but does not define what the temperature is a measurement of. Please clarify this parameter requirement.	This will be clarified via Addendum No.1.
8	46 10 60 2.5 U. 1. a.: Please confirm that the required three (3) consecutive starts required are by variable frequency drive only. NEMA has limitations on motor starting that may not allow this requirement to be met. Will advise manufacturer's responses once the starting method is defined.	Yes, the pumps will only be started via a VFD.
9	46 10 60 2.6 A. 3. Requires all pump "wetted" surfaces to be factory coated with NSF certified coating. In this case the "wetted" surfaces are on the interior of the pump. This is not a normal requirement for a horizontal split case pump and not required for the pump to be NSF-61 certified. Please clarify the required pump external coating requirement and what if any interior coating is required.	This will be clarified via Addendum No.1. The pump must be NSF-61 certified. Any coatings in contract with the water must be NSF-61 certified.
10	46 10 60 2.5 E. specifies the motors to be inverter duty for "future" VFD application and that the starter will be an RVSS soft starter. His conflicts with the other specification for variable frequency drives and Drawings E.02 and E.05 which show the starters to be Rockwell Automation (Allen Bradley) PowerFlex 753 VFDs. Please clarify this paragraph as it could cause issues with the motor starting requirements and the potential need for power factor correcting capacitors (PFCC) if the starters are indeed soft starters.	The Drawings are correct. The pumps will be started using a VFD and not a soft starter. This will be clarified via Addendum No.1.
11	Section 05 12 00 Structural Steel 1.1.B states that the project may be subject to the American Iron and Steel Act and 03 20 00 Concrete Reinforcing 1.1.B states it is definitely required, to check in the instructions to bidders Section 00 21 13. Section 00 21 13 is on the TOC but not included in the documents. Is this project subject to the AIS, disadvantaged business goals, and/or Davis Bacon wage rates?	There are not requirements for AIS, disadvantaged business goals, and/or Davis Bacon wage rates. This will be clarified via Addendum No.1.
12	May we get copies of sections 00 21 13 Instructions to Bidders, 25 31 00 Instrumentation Devices, and 26 28 16 Motor Disconnect Switches, which are listed in the TOC but not included in the documents?	The missing specification sections, 00 21 13 and 26 28 16 will be provided via Addendum No.1. Specification Section 25 31 00 is not part of this specification because all required instrumentations are specified as part of other equipment (SCADA Allowance, Ball Valves Controls, VFDs, etc.). This will be clarified via Addendum No.1
13	Regarding the pumps specs: You identify the impeller material as ASTM B148-954-5-8 aluminum bronze which is another way of stating you want Aluminum bronze alloy C95400; please clarify this alloy.	Yes, this will be clarified via Addendum No.1
14	Regarding the pumps specs: Your identification for the casing and impeller wear ring, shaft sleeve and gland material is ASTM B505-954 bronze which is actually also Aluminum bronze alloy C95400; please clarify this alloy as it is NOT strictly "bronze". Note that the packing gland may actually be ASTM A744M Type 316 stainless steel	This will be clarified via Addendum No.1
15	01 21 13.1.2.A - Will the Contractor be able to include labor, taxes, and other expenses in the Contingency allowance if used since the allowance is undefined at this time?	Yes.
16	01 70 00.1.11 - Does the Owner want hard copies of the O&Ms?	Yes, hard copies will be required of pumps and equipment O&M manuals.
17	01 75 00.1.4 - Can the installation inspection services and start up services be in the same 8 hour day?	Yes.
18	01 75 18.3.3 - C, D & E- Is any work associated with the filters applicable to this project?	No. This will be clarified via Addendum No.1
19	01 75 18.3.5 - Is there a cost to the Contractor for bacterial testing at the Cartersville laboratory?	No.
20	01 78 39.2.2 - Will a manual for materials and finishes be required for this project?	No. This will be clarified via Addendum No.1
21	01 78 39.3.10.B.5 - Will a record drawing with a survey of any pipeline or vault with state plane coordinates be required on this project?	Yes. Record drawing and survey of the pipe line, fittings, valves, & vaults is required.

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22	Geotech Report - 4.1.1 - If unacceptable materials are uncovered under the existing building that would require additional excavation and replacement, will the extra work items be used, or will the remedial costs be covered in an allowance or change order?	The intent is to use the Extra Work items where applicable. This includes replacing unsuitable materials inside the existing building
23	In the specs for the pumps, it lists the suction and discharge flanges to be Class 250. The spec for the ductile pipe flanges is Class 125. Please confirm this is correct.	This will be clarified via Addendum No.1.
24	Plan sheet I.01 shows a BFV & check valve prior to the reducer, are these valves required?	No, the valves and pipes required are shown on the M drawings.
25	Note 2 on plan sheet M.02 calls out seal water for the pumps. Please provide a detail for this piping.	Seal water piping to be as required by the pump manufacturer since the water source for the seal water will be from the pump casing. See Note 3 on Drawing M.02.
26	Plan sheet M.03 shows concrete encasement of the 16" suction piping. Please provide the limits of the concrete encasement.	Both the suction and discharge pipes shall be encased in concrete under the pump station slab, and outside the building up to and including the 22½° vertical down bend.
27	05 00 00 3.3.C - Will the fabricated steel support have to be stamped by a GA PE?	No.
28	05 00 00.3.6 C&D - Will independent laboratory testing be required on the steel supports for the door?	No.
29	05 05 23 - Will anchor bolts for the pumps and generator require a GA PE stamp?	No.
30	Will the fence around the generator be replaced?	No.
31	05 12 00 1.10 - Will independent laboratory testing be required on field welding?	No.
32	Does the Owner want the pumps delivered to an offsite location?	No, the pumps should be delivered and stored at the pump station site.
33	26 32 13 1.2.A & F - One place says we are to connect to an existing ATS while another says we are to provide a new ATS. Please advise.	A new ATS is required. This will be clarified via Addendum No.1.
34	Will there be any permitting fees assessed by the City or County?	No.
35	Please confirm that the roof system will have a special 20-year warranty.	Yes, that is correct. See Specs Section 07 40 00.1.11 for the required roof warranty.
36	Do the roof system calculations need to be stamped by a GA PE?	Yes.
37	Please indicate if fly ash or slag cement should be included in all mix designs.	Yes, the concrete mix design should include fly ash or slag cement.
38	Should all concrete mixes, including the pipe encasement one, be air-entrained?	All exposed concrete shall have an air entraining admixture.. The pipe concrete encasement does not need to an air entraining admixture.
39	Please confirm if the vault for the pipe connection to the 36" water main should also be HS-20 traffic rated.	This vault does not need to be HS-20 traffic rated. The top of the vault should be about 18" above grade.
NOTES:	1. Company Names and Trade Names have been removed from the questions. The answers contain trade names only to refer to existing installations. These inclusions do not represent an endorsement of the product or the company. 2. Questions from sales representatives have been edited where appropriate for brevity. 3. Questions from General Contractors have been left untouched. 4. Significant Changes in answers previously posted are marked in red.	