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JASON R.

FORT 12/13/24

City of Phoenix Office of the City Engineer Design and Construction Procurement

WS90400085 LIFT STATION 40 REFURBISHMENT

ADDENDUM NO. 6

ISSUE DATE: December 13, 2024

Bidders are hereby notified that the Bid Due Date is extended to the following date and time:

BIDS WILL BE DUE: TUESDAY, JANUARY 7, 2025, AT 2:00 P.M.

BIDS WILL BE READ: TUESDAY, JANUARY 7, 2025, AT 2:00 P.M. ON THE 5^{TH} FLOOR, ROOM 5 WEST AT PHOENIX CITY HALL

No additional questions will be allowed.

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are currently to be received on January 7, 2025, at 2:00 P.M., are amended as follows:

Information to Bidders – The following is provided to Bidders for information only (Refer to Drawings, Specifications, and Addenda for construction instructions):

Q1.	Drawing E-29, Detail E304 states to provide a 60' pole per the Structural Engineers requirements. What are the Engineer's Requirements? Please specify what is the Manufacturer, Model, Options and Accessories for the 60' Antenna Pole to be provided.
A1.	See Item 1 below.
Q2.	Drawing C-02, Detail 1 shows the typical pipe trench without pavement. The trench width is noted as OD of Pipe +6' minimum. Please confirm that all pipe trench width's shall be OD of pipe plus 6'.
A2.	See Item 2 below.
Q3	Specification section 33 05 19, Part 1 Paragraph 1.2 Subpart A.2 states, "All ductile iron pressure water pipe shall be furnished by a single manufacturer and fully manufactured in the USA, including casting, testing, and all applicable lining and coatings." Please confirm all Ductile Iron Pipe on this project shall be made in the USA, if so, please confirm that Ductile Iron Pipe is the only item required as part of this project that is required to be made in the USA.

A3.	See Item 3 below.
Q4.	Does the City plan to have the contractor salvage any of the pumps located in the existing dry well?
A4.	Contractor shall salvage existing pumps and deliver to the City at the following address:
	23 rd Ave Wastewater Treatment Plant
	2474 South 22nd Avenue Building #51
	Phoenix, AZ 85009
Q5.	Given the nature of this project, would the City consider this an MRRA applicable project, or prime contracting classification?
A5.	This will not be an MRRA applicable project.
Q6.	 Specification Section 01 11 12, Paragraph 2.2 Subpart D.1b states, "Selected dimensional ratio based on hydraulic calculations, but a minimum of DR 17 shall be provided." in regard to the Bypass Piping Material requirements. Paragraph 3.1, subpart A.3 states that the hydrostatic testing requires a minimum test pressure of 100 PSI for 3 hours. 1.) The bypass from the 36" SS line will reach minimal pressure during operation since this will be a gravity bypass system and not pumping into the forcemain. Pressures during bypass operation will not exceed 25-30 PSI 2.) The bypass from the 42" SS line will also reach minimal pressures during operation since this will be a gravity bypass system and not pumping into the force main. Pressures during the bypass operation will not exceed 25-30 PSI 3.) Normally we would use SDR26 HDPE piping on these bypasses that are not going into a forcemain, SDR26 piping is rated to 75 PSI. 4.) For the pressure testing procedures, we normally pressure test for 3 hours @ twice the bypass designed pressure. For example, if the bypass is designed to operate @ 25 PSI during peak flows, we will test at 50PSI for 3 Hours. 5.) The bypass from the vault where we tie into the existing 36" piping and run temporary 36" Bypass is understood to operate at a higher PSI due to it being a force main, so SDR 17 (125 PSI pipe) is fitting for this application. 6.) With these comments in mind, do each of the 3 bypass systems have to abide by these specification requirements, or only the force main piping bypass?
A6.	The bypass pumping plan shall comply with Specification Section 01 11 12.
Q7.	Sheet E-16 - For the Lift Pump VFD's, drawings E-16 and the schematic drawing on E-19 identifies the VFD's as "MCPs" and a note is included at the bottom of E-19 stating for the contractor to provide wiring drawings per 17260. The specification issued for this project does not include a section 17260. Please issue this specification if it is to be applicable to this project.
A7.	See Item 4 below.

Q8.	Electrical Drawing E-12 shows a Keynote 3 symbol (Security Camera Pole Grounding) with no security camera pole symbol shown in the yard between the Generator and the Ferrous Chloride. Is a Security Camera Pole to be provided at this location?
A8.	See Item 5 below.
Q9.	Electrical Detail Drawing E-29 E504 Antenna Mast Detail states "Mounting Pole – Per Structural Engineers Requirements". No other antenna pole information is provided in the bid documents other than the Detail E504. What are the Structural Engineers Requirements for the 60' Antenna Pole? Please issue detailed information as to what is to be provided for the Antenna Pole (manufacture, model, part number, options and accessories).
A9.	See Item 1 below.
Q10.	Drawing E-18 General Note 3 states to provide 100' of circuitry for loads which do not have "designated conduits and conductors". Notes like this do not work properly and are not reasonable. With an unlimited number of variables, no one knows what the value of this is and will only serve to artificially inflate costs. To allow for comparable proposals by all bidders, this should be converted to a known allowance amount designated to be included by all bidders.
A10.	General Note 3 is applicable and will not be changed.
Q11	Drawing E-18 General Note 4 states to provide 100' of 1"C with 3 #12 conductors for each breaker labeled as spare. Notes like this do not work properly and are not reasonable. With an unlimited number of variables, so no one knows what the value of this is and will only serve to artificially inflate costs. To allow for comparable proposals by all bidders, this should be converted to a known allowance amount designated to be included by all bidders.
A11.	General Note 4 is applicable and will not be changed.
Q12.	General Note 10 (a & e) on drawings E-12 and E-14 calls for Lighting Control Panels to be equipped with a main breaker and timer. The project specific Lighting Control Panel schematic for "ALCP-LS40" on drawing E-23 however does not indicate the control panel to have these items. If these items are required, please issue a panel schematic identifying how they are to be incorporated.
A12.	See Item 6 below.
Q13.	A note is included at the bottom of the Control Schematics (Drawings E-19 through E-25) stating for the Contractor to provide wiring drawings per 17260. The specifications issued for this project however do not include a Section 17260. Please issue this specification if it is applicable to this project.

A13.	See Item 4 below.
Q14.	For the Lift Pump VFDs, drawings E-16 and the schematic drawing on E-19 identifies the VFDs as "MCPs". Per Section 40 67 00, if the unit is identified as an "MCP" it must be configured by an approved City of Phoenix panel builder listed in 40 67 00-1.4.B and will not be a "standard" VFD from a gear manufacturer. As there are substantial cost differences, please clarify if the VFDs are to be "standard" units furnished in accordance only to VFD Section 40 97 00, or will they need to be configured by one of the City of Phoenix panel builders listed in 40 67 00-1.4.B.
A14.	Each VFD shall be customized and configured by the System Integrator identified in Specification Section 40 67 00-1.4.B.
Q15.	For the Lift Pump Disconnect Switches, drawing E-16 and schematic drawing on E-19 identifies the Disconnect Switches as "MCPAs", while drawings E-05 and E-11 identifies the "MCPAs" as being "Lift Pump Fused Disconnects\Termination Panels." Please clarify if these are "standard" disconnect switches per Section 26 28 15 or if these are motor control panels per Section 40 67 00
A15.	These are not "standard" disconnect switches. These are motor control panels per section 40 67 00 as they contain disconnect switching means, fuses, pump submersible cables, and terminal blocks for the pump monitoring system. If Answer A16 below is implemented, the terminal blocks for the pump monitoring system can be moved to junction boxes.
Q16.	Can the Influent Pump controls be relocated from the MCPA disconnect to a external field ITP.
A16.	The manufacturer's submersible control conductors from the submersible pumps may be permitted to splice into the control conductors going to the Pump Control Panel using rated lugs, inside additional junction boxes (Field ITP boxes). The junction boxes shall be located adjacent to the disconnect switches. All material and installation shall be per Contract Drawings and Specifications.
Q17.	Addendum No. 4 Electrical Drawing E-12 Chemical Area Fixtures are too small to read and illegible when zoomed in on. What are the correct fixture types and quantities to be provided for the Chemical Area?
A17.	See Item 5 below.
Q18.	Do the dry well & wet well structures to be demolished need to be completely removed? Can the contractor remove all of the internals of the dry well & wet well, then cut the top 2' of the concrete walls off and backfill the pits with CLSM slurry?
A18.	Refer to Note 7 on Sheet C-09 through C-16 of contract drawings for limits of demolition of structures. Backfilling with ½-sack ABC CLSM slurry is acceptable.

ITEM 1: ANTENNA:

DRAWINGS:

REPLACE: DRAWINGS: E-29 – DETAIL 504

ITEM 2: PIPE TRENCH WIDTH:

DRAWINGS:

REPLACE: DRAWINGS: C-02 - GENERAL DETAILS 1

ITEM 3: SPECIFICATION SECTION 33 05 19:

SPECIFICATIONS:

MODIFY: SECTION 33 05 19.1.2.A.2 AS FOLLOWS:

All ductile iron pressure water pipe shall be furnished by a single manufacturer-and-fullymanufactured in the USA, including casting, testing, and all applicable lining and coatings. The supplier shall be responsible for the provisions of all test requirements specified in AWWA C151 as applicable. In addition, all ductile iron pressure water pipe to be installed under this Contract may be inspected at the plant for compliance with these specifications by an independent testing laboratory provided by the OWNER. The CONTRACTOR shall require the manufacturer's cooperation in these inspections. The cost of plant inspection of all pipe approved for this Contract, will be borne by the OWNER.

ITEM 4: DRAWINGS:

DRAWINGS E-16, E-19, E-20, E-21, E-22, E-23, E-24, E-25:

REPLACE: ALL REFERENCES TO 17260 SHALL BE REPLACED WITH 40 67 00.

ITEM 5: LIGHTING AND GROUNDING:

DRAWINGS:

REPLACE: DRAWINGS: E-12 - SITE PLAN LIGHTING AND GROUNDING

ITEM 6: PANEL SCHEMATIC:

DRAWINGS:

REPLACE: DRAWINGS: E-23 – CONTROL SCHEAMTIC – 5

ITEM 7: INORGANIC BIOFILTER:

<u>SECTION 44 31 21.23 – INORGANIC BIOFILTER – PART 2 – PRODUCTS – 1.2</u> ACCEPTABLE MANUFACTURERS - A.:

ADD: 2. BioRem Biofiltair Biofilters

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the SECTION 00 30 00 – BID FORM.

END OF ADDENDUM NO. 6







