

Request for Qualifications

for

Construction Management at Risk Services

for the

BUILDING K PRIMARY CLARIFIER EFFLUENT AND RETURN ACTIVATED SLUDGE VALVE REPLACEMENT

Oswego, Illinois

October 2023

I. General Project Information

The Fox Metro Water Reclamation District (District) is issuing a Request for Qualifications ("RFQ") from experienced mechanical contractors who can serve as Construction Management firms (the "CM") for professional services related to the main pump station Primary Clarifier Effluent (PCE) And Return Activated Sludge (RAS) Pump Valve Replacements. The scope of work generally includes:

- Demolition and disposal of existing hydraulically driven plug check valves and all associated hydraulic piping and controls
- Procurement and Installation of isolation knife gate valves
- Procurement and Installation of spring check valves
- Procurement and Installation of surge relief valves, piping, supports and appurtenances
- Procurement and Installation of new discharge piping spool pieces and appurtenances
- Painting of all new equipment and piping

The District's campus is located at 682 State Route 31, Oswego, IL. The intent is for the CM to provide preconstruction phase and construction phase services for this project as Construction Management at Risk. The CM will be selected through the Qualification Based Selection process.

In order to have your Qualifications considered, it must be submitted in a sealed envelope containing five (5) copies. The sealed envelope should be plainly marked "Construction Management at Risk Services for PCE and RAS Pump Valve Replacement". **Faxed or e-mailed Qualifications will not be accepted.**

II. General Information, Terms and Conditions

- A. SELECTION PROCESS
 - 1. General Purpose: Procurement of professional services to provide construction management for the project will be done by ranking the most qualified firms for the project by means of qualification package evaluation and interview if deemed necessary of shortlisted firms.
- B. TERMS AND CONDITIONS
 - 1. Reserved Rights: The District reserves the right at any time and for any reason to cancel this CM procurement process, to reject any or all qualification packages, or to accept an alternative qualification package. The District reserves the right to throw out any immaterial qualification package. The District and/or staff may seek clarification from an offer at any time and respond promptly if there is cause for rejection.
 - 2. Incurred Costs: The District will not be liable in any way for any costs incurred by CMs in replying to this Request for Qualifications.
 - 3. Criteria for Selection: A selection panel of District staff and consultants, will evaluate qualification packages received. The evaluation of the firm's qualifications shall be based on experience in this type of work, references, technical qualifications of the project team and historical use of local contractors.

4. Confidentiality: All submissions submitted by the CM firms shall be confidential and may not be discussed or shared beyond the District staff and District consultants associated with the selection process.

C. SUBMITTAL FORM AND CONTENT

- Submission Requirements: In order to have your Qualifications considered, it must be submitted in a sealed envelope containing five (5) copies. The envelope should be plainly marked "Construction Management at Risk Services for O&M Facility". Faxed or e-mailed Qualifications will not be accepted. Lengthy submittals are discouraged; please keep them short and readable, under fifteen (15) pages total submittal.
- Submission Due Date/Time: Qualifications must be received at the District's Office. Attention: Mr. Joel Ilseman, Plant Manager. Mailing address is 682 State Route 31, Oswego, Illinois 60543. Response Due: November 10, 2023 no later than 12:00 p.m. (CST).
- 3. Qualifications received after the closing time and date will be returned unopened.
- 4. Items to be Submitted:
 - a) RFQ Coversheet containing the following: RFQ Project Title: Primary Clarifier Effluent and RAS Pump Valve Replacement; Services Requested: Construction Management at Risk;
 - b) Statement of the Project: State in concise terms your understanding of the project.
 - c) Terms and Conditions: The standard form of agreement between the District and the CM shall be the AIA Document A133-2009 "Standard Form of Agreement Between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price", as modified to meet District's standard terms and conditions:

Articles 7 Payments for Construction Phase Services; 8 Insurance and Bonds shall be deleted from the AIA Document and shall be replaced with the District's own requirements related to payment and insurance. These requirements will be provided to you at a later date. The CM may also provide a list of any terms and conditions that may apply to this agreement, for consideration by the District.

d) Experience: Describe in detail public projects which your company has provided at wastewater treatment facilities with valving and piping of equal or greater size.

e) References: Include any written references, which you believe support your qualifications to complete this project.

f) Project Staffing:

Provide background information showing experience of project manager and the crew to be assigned including foreman and fitters with experience installing valving and piping of equal or greater size.

Provide information regarding equipment available for rigging and moving valves of this size and weight.

Address flexibility in staffing to provide additional or substitute fitters with experience installing valving and piping of equal or greater size.

- g) Project Understanding: Provide your written understanding of the project identifying and concerns in accomplishing the scope.
- h) Additional Information and Comments: Include any other information you believe to be pertinent, but not specifically mentioned elsewhere.
- 5. Interviews (if required):
 - a) Interviews of shortlisted CM firms be scheduled at the District's administrative Building.
- III. Project Overview
 - A. The District operates four Primary Clarifier Effluent (PCE) pumps, and three Return activated sludge (RAS) pumps in the main pump station, Building K. The pumps were installed in 1978. The PCE and RAS pumps discharge through 54-inch and 42 forcemains respectively to an Aeration tank influent channel. The discharge of each PCE pump is equipped with a hydraulically actuated 30" plug valve and a 30" knife gate isolation/service valve, while each RAS pump is equipped with a hydraulically actuated 24" plug valve and a 24" knife gate isolation/service valve. The plug check valves are actuated using hydraulic oil. The system was originally provided by DeZurik and Parco during the original installation in 1978.
- IV. Scope of Services
 - A. The District seeks a Construction Management at Risk firm (the "CM") to deliver professional services for construction phase construction management for the PCE and RAS Pump Valve Replacement. The CM will be selected through the Qualification Based Selection Process.

The CM will review the concept plans and provide a preliminary schedule, opinion of cost, and constructability analysis. The CM will assist the District and District's Consultants as needed in revising the documents to meet the District's cost and performance expectations.

The CM will provide quotes for the specified valves and will prepare bid packages from the plans and specifications for subcontractors (if required) and will perform various

duties as determined by the Contract for the successful construction and delivery of the project.

District will retain services of structural engineering firm to design necessary pipe and equipment supports for all surge relief piping and all valves. CM will determine optimal route for surge relief piping and valves and will coordinate design with engineer. CM will install all necessary pipe and equipment supports as designed by engineer. CM will provide all necessary equipment information to owner for design of supports to suit selected equipment. It is assumed that any supports and piping will be similar to those provided in previous projects.

- B. The District is seeking services of a construction manager to manage and perform the scope as outlined below:
 - 1. OPERATION 1 Procurement of Equipment
 - Provide, offload and store PCE valves (four 30" bonneted knife gate valves, four 30" check valves),
 - Provide, offload and store RAS valves (three 24" bonneted knife gate valves, three 24" check valves),
 - Provide, offload and store surge relief valves (two 16" surge relief valves),
 - Provide, offload and store surge relief isolation valves (two 16" plug valves),
 - Provide, offload and store air relief valves (seven 6" ARV's),
 - Provide, offload and store air isolation plug valves (seven 6" plug valves),
 - Provide, offload and store air throttling devices valves (seven 6" valves),
 - Provide offload and store new piping from new check valve to existing isolation knife gate valve.
 - 2. OPERATION 2 PCE Header Surge Valve Installation
 - Shut down all PCE pumps KP 5 through KP 8,
 - Close suction and discharge Knife Gates to Isolate Pump KP 5 through KP 8,
 - Install hot tap and isolation Plug Valves at end of PCE forcemain,
 - Install surge valve and necessary associated pipe supports and piping startup and commissioning of all valves.
 - 3. OPERATION 3 PCE Pump Isolation and Valve Installation
 - Shut down Pumps KP5,
 - Close Knife Gates to Isolate Pumps KP 5,
 - Install new Knife gate Valves at KP 5 upstream of existing knife gate,
 - Install new piping for KP5,
 - Install Check Valves, ARV's, Isolation valves, Spools, Drains, and Flex Fittings, Complete Painting,
 - Startup and commissioning of all valves,
 - Repeat for PCE pumps KP 6, 7 and 8.

- 4. OPERATION 4 RAS Header Surge Valve Installation
 - Shut down all RAS pumps KP 9 through KP 11,
 - Close Knife Gates to Isolate Pumps KP 9 through KP 11,
 - Pump Down forcemain,
 - Install hot tap and Isolation Plug Valves at end of RAS forcemain,
 - Install surge valve and necessary associated pipe supports and piping,
 - Startup and commissioning of surge valves.
- 5. OPERATION 5 RAS Pump Isolation and Valve Installation
 - Shut down RAS Pump KP 9,
 - Close Knife Gates to Isolate Pumps KP 9,
 - Install new Knife gate Valves at KP 9 upstream of existing knife gate,
 - Install new piping for Pump,
 - Install Check Valves, ARV's, Isolation valves, Spools, Drains, and Flex Fittings, Complete Painting,
 - Startup and commissioning of all valves,
 - Repeat for RAS pumps KP 10 and 11.
- V. Contact Information

A. FORMAL CONTACT: Formal contact is limited to email communication only. The subject line of your email must state "Request for Information –PCE and RAS Valve Replacement". Send all email correspondence attention to James Kerrigan at jkerrigan@foxmetro.org.

- B. INFORMAL CONTACT: Absolutely no informal communication shall occur regarding this RFQ, including requests for information, or speculation between Offerors and any District official or employee other than that already specified.
- VI. Project Schedule

The project is expected to develop along the approximate following time frame:

Qualification Packages Due: November 10, 2023 CM Firm Interviews (if required): November 15, 2023 CM Firm Selection: November 17, 2023 CM to Provide Project Costs for Review: November 30, 2023 CM Cost & Schedule Presented to District Board: December 13, 2023* Tentative Award to CM: December 14, 2023 End of Construction December 30, 2024* *Estimated schedule, subject to revision

- **VII.** Background information:
 - Overall facility site plan and project location
 - Previous project installation examples / photos
 - Specifications for Valve and piping installation To be provided in separate package upon request

Facility Site Plan and Project Location





Wastewater Treatment Plant

Previous Project Installation Examples / Photos



Photo A – Ground Floor RAS Pump Discharge



Photo C– Basement PCE and RAS Pump Forcemains Photo D– Basement Existing Surge Valves Example



Photo B – Ground Floor PCE Pump Discharge





Photo E– Basement Surge Piping Support Example



Photo F – Basement RAS Surge Valve Location



Photo G – Basement PCE Surge Valve Location

Equipment Specifications

(To be provided in separate package upon request)