



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

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Title: Authority to advertise Contract 17-140-3P Digester Rehabilitation and Gas Piping Replacement, Stickney Water Reclamation Plant, estimated cost between \$11,330,892.00 and \$13,716,343.00, Account 401-50000-645750, Requisition 1524039

Sponsors:

Indexes:

Code sections:

Attachments: 1. 17-140-3P Project Fact Sheet.pdf

Date	Ver.	Action By	Action	Result
7/11/2019	1	Board of Commissioners	Approved	Pass

TRANSMITTAL LETTER FOR BOARD MEETING OF JULY 11, 2019

COMMITTEE ON PROCUREMENT

Mr. Brian A. Perkovich, Executive Director

Authority to advertise Contract 17-140-3P Digester Rehabilitation and Gas Piping Replacement, Stickney Water Reclamation Plant, estimated cost between \$11,330,892.00 and \$13,716,343.00, Account 401-50000-645750, Requisition 1524039

Dear Sir:

Contract documents and specifications have been prepared for Contract 17-140-3P Digester Rehabilitation and Gas Piping Replacement, Stickney Water Reclamation Plant.

The purpose of this project is to replace existing 20-inch gas piping in the west digester complex, rehabilitate Digesters 11 and 12, replace sludge pumps and perform other miscellaneous work within the Stickney Water Reclamation Plant.

The project consists of the following:

1. 100 Series - Digester Tanks 1 through 12 Complex, including Waste Gas Control Building and Gas Compression Facility:

Install 2 new 20" stainless steel (SS) gas mains, valves and appurtenances from the Cluster C Building, through Clusters B and A, to the gas compression facility, above the roof of the upper tunnel. These mains shall be connected to existing gas piping from Digesters 1 through 10. A new 20" SS pipe will be installed to the existing waste gas burners. Gas piping and appurtenances will be demolished in Digesters 11 and 12 and replaced after removing sludge and cleaning, blasting and repainting the interior of the covers; they will be connected to the new gas mains with new SS piping.

2. 300 Series - Gravity Thickening Building:

Replace 12 existing sludge pumps with non-clog centrifugal pumps of reduced horsepower. Pumps shall be reconnected to existing VFDs. Provide new concrete pads for new pumps.

3. 500 Series - Preliminary, AB, CD and Gallery A Tunnels:

Install new steam and condensate lines and replace pipe supports on existing steam and condensate lines with new supports at various areas shown on the drawings. Demolish existing city water and effluent water lines and perform asbestos abatement during demolition. Replace the demolished water lines with new piping material that has already been furnished and staged in tunnels by the District.

4. 600 Series - Old Sludge Concentration Operating Gallery:

Install 2 macerator units on existing 12" sludge line for the WASSTRIP process. Provide all piping, power, controls and other appurtenances required for the macerator units.

It is estimated that 122 jobs will be created or saved as a result of award of this contract with an estimated 36,340 man-hours of skilled trades utilized.

The estimated cost for this contract is between \$11,330,892.00 and \$13,716,343.00. The cost range will be stated in the advertisement for bids.

The bid deposit for this contract is \$549,000.00.

The contract specifications require that all work commence 30 calendar days after approval of the contractor's bond and shall be completed within 730 calendar days after approval of the contractor's bond. Liquidated damages are \$1,000.00 for each calendar day that the contractor is in default of the time specified for failing to achieve substantial work completion and \$200.00 for each calendar day that the contractor is in default of the time specified for completion of the entire work.

An IEPA Construction Permit is required for this project, and the application has been submitted to the IEPA for approval.

The Multi-Project Labor Agreement will be included in this contract.

The Affirmative Action Ordinance, Revised Appendix D will be included in this contract. The type of work to be performed under the contract is within the "General and Heavy Construction" category for establishing Minority-owned Business Enterprises (MBE), Women-owned Business Enterprises (WBE), Small Business Enterprises (SBE) and Veteran-owned Business Enterprises (VBE) utilization goals. The MBE, WBE, SBE and VBE utilization goals for this contract are: 15 percent MBE, 7 percent WBE, 10 percent SBE and 3 percent VBE.

The tentative schedule for this contract is as follows:

Advertise	August 7, 2019
Bid Opening	September 10, 2019
Award	October 3, 2019
Completion	October 10, 2021

Funds are available in Account 401-50000-645750.

In view of the foregoing, it is recommended that the Director of Procurement and Materials Management be authorized to advertise Contract 17-140-3P.

Requested, Catherine A. O'Connor, Director of Engineering, ECB:PO'B
Recommended, Darlene A. LoCascio, Director of Procurement and Materials Management
Respectfully Submitted, Barbara J. McGowan, Chairman Committee on Procurement
Disposition of this agenda item will be documented in the official Regular Board Meeting Minutes of the Board of Commissioners for July 11, 2019

Attachment