



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

Legislation Details (With Text)

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Title: Authority to advertise Contract 15-124-3P Conversion of Two Gravity Concentration Tanks to Primary Sludge Fermenters, Stickney Water Reclamation Plant, estimated cost \$1,900,000.00, Account 401-50000-645650, Requisition 1439576

Sponsors:

Indexes:

Code sections:

Attachments: 1. 15-124-3P Project Data Sheet BM 12-1-16.pdf

Date	Ver.	Action By	Action	Result
12/1/2016	1	Board of Commissioners	Approved	Pass
12/1/2016	1	Committee of the Whole	Recommended	Pass

TRANSMITTAL LETTER FOR BOARD MEETING OF DECEMBER 1, 2016

COMMITTEE ON PROCUREMENT

Mr. David St. Pierre, Executive Director

Authority to advertise Contract 15-124-3P Conversion of Two Gravity Concentration Tanks to Primary Sludge Fermenters, Stickney Water Reclamation Plant, estimated cost \$1,900,000.00, Account 401-50000-645650, Requisition 1439576

Dear Sir:

Contract documents and specifications have been prepared for Contract 15-124-3P Conversion of Two Gravity Concentration Tanks (GCT) to Primary Sludge Fermenters, Stickney Water Reclamation Plant.

The purpose of this project is to enhance biological phosphorus removal by increasing production of carbon at the plant and optimizing the levels of phosphorus available for recovery. By changing the operation of two new GCTs to allow fermentation of the primary sludge to occur, increased carbon will be present in the fermentate returning to the plant. The fermentate will be pumped directly to the Westside Effluent Imhoff Conduit, preventing the loss of carbon through the headworks of the plant. This addition of carbon will allow further release of phosphorous. The released phosphorous will be recovered by the phosphorous recovery facility, thereby increasing the quantity of product produced and sold. Also, a gas detection system will be installed in the new GCT Building. It is necessary to protect employees working in the building in case of high hydrogen sulfide and/or methane concentrations. Currently, employees utilize mobile gas detection equipment.

The project consists of the following:

1. Conversion of existing GCTs 1 and 3 to Primary Sludge Fermenters 1 and 3.
2. Installation of two recycle pumps.
3. Installation of a fermentate holding tank and a level sensor.

4. Installation of two fermentate pumps.
5. Installation of piping and electrically actuated valves.
6. Installation of Force Main from GT Building to Manhole Structure of Imhoff Effluent Conduit.
7. Removal and lawful disposal of existing piping, concrete and miscellaneous debris associated with removal work covered by this contract.
8. Installation of four feeder breakers and VFDs for the pump motors.
9. Installation of conduit and wiring for VFDs, motors, instrumentation and valves.
10. Installation of conduit and wiring to connect all associated signals to Emerson Ovation DCS.
11. Installation of a Gas detection system, including conduit and wiring to monitor Hydrogen Sulfide and Methane gases in the upper level of Gravity Thickening Building.

The estimated cost for this contract is \$1,900,000.00.

The bid deposit for this contract is \$95,000.00.

The contract specifications require that all work shall be completed within 365 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.

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 "Electrical" category for establishing Minority-owned Business Enterprises (MBE), Women-owned Business Enterprises (WBE) and/or Small Business Enterprises (SBE) utilization goals. The MBE, WBE and/or SBE utilization goals for this contract are: 13 percent MBE, 7 percent WBE, and 10 percent SBE.

The tentative schedule for this contract is as follows:

Advertise	December 28, 2016
Bid Opening	January 31, 2017
Award	March 6, 2017
Completion	April 6, 2018

Funds are being requested in 2017, in Account 401-5000-645650, and are contingent on the Board of Commissioners' approval of the District's budget for that year.

In view of the foregoing, it is recommended that the Director of Procurement and Materials Management be authorized to advertise Contract 15-124-3P.

Requested, Catherine A. O'Connor, Director of Engineering, MVL:GR
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 December 1, 2016

Attachment