



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 16-077-3E Devon IAS Switchgear Replacement and Wilmette PS Conduit Replacement, North Service Area, estimated cost \$1,000,000.00, Account 401-50000-645720, Requisition 1459453

Sponsors:

Indexes:

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Attachments: 1. 16-077-3E Project Fact Data Backup.pdf

Date	Ver.	Action By	Action	Result
3/16/2017	1	Board of Commissioners	Approved	Pass
3/16/2017	1	Committee of the Whole	Recommended	Pass

TRANSMITTAL LETTER FOR BOARD MEETING OF MARCH 16, 2017

COMMITTEE ON PROCUREMENT

Mr. David St. Pierre, Executive Director

Authority to advertise Contract 16-077-3E Devon IAS Switchgear Replacement and Wilmette PS Conduit Replacement, North Service Area, estimated cost \$1,000,000.00, Account 401-50000-645720, Requisition 1459453

Dear Sir:

Contract documents and specifications have been prepared for Contract 16-077-3E Devon IAS Switchgear Replacement and Wilmette PS Conduit Replacement, North Service Area, pursuant to a request from the Maintenance and Operations Department and approved through the vetting process.

The purpose of this project is to provide safe, reliable electric power to the aeration blowers at Devon IAS and safe, reliable power and controls for the lake, channel and diversion gate actuators at Wilmette PS. The aeration blowers at Devon IAS are vital to meeting IEPA and NPDES Permit requirements. The existing switchgear is at high risk for failure, requires frequent maintenance, has become misaligned and presents a hazard due to settlement of the floor slab on which it is mounted. Operation of the lake, channel and diversion gate actuators at Wilmette PS are vital for flood control and maintaining water level in the North Shore Channel. The existing power and control wiring was damaged due to water infiltration into the electrical conduits and subsequent freeze thaw cycles.

The project consists of the following:

Devon IAS:

1. Replacement of the switchgear and MCC with a new MCC at Devon IAS.
2. Replacement of feeder cables from the Com Ed transformer.

3. Replacement of conduits, blower feeders, and instrumentation and control wiring.
4. Perform short circuit, protective device coordination and arc flash hazard analysis studies.
5. Civil work consisting of the replacement of the existing floor slab and equipment pad.
6. Mechanical work consisting of leveling and realigning blowers.

Wilmette PS:

1. Removal of in slab power and control wiring for lake, channel, diversion gate actuators and other miscellaneous electrical equipment.
2. Installation of new overhead electrical raceway systems and wiring.

It is estimated that 10 jobs will be created or saved as a result of award of this contract with an estimated 2,358 man-hours of skilled trades utilized.

The estimated cost for this contract is \$1,000,000.00.

The bid deposit for this contract is \$50,000.00.

The contract specifications require that all work shall be completed within 450 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 time 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	April 12, 2017
Bid Opening	May 23, 2017
Award	July 6, 2017
Completion	September 29, 2018

Funds are available in Account 401-50000-645720.

In view of the foregoing, it is recommended that the Director of Procurement and Materials Management be authorized to advertise Contract 16-077-3E.

Requested, Catherine A. O'Connor, Director of Engineering, MVL:GG
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 March 16, 2017

Attachment