

A G E N D A



Recommendation for Council Action (CCO)

Austin City Council

Item ID:

58268

Agenda Number

9.

Meeting Date:

May 19, 2016

Department:

Capital Contracting Office

Subject

Authorize award and execution of a construction contract with MATOUS CONSTRUCTION, LTD., for the South Austin Regional Wastewater Treatment Plant Train A and B Blower Replacement project in the amount of \$22,368,000 plus a \$1,118,400 contingency, for a total contract amount not to exceed \$23,486,400.

Amount and Source of Funding

Funding is available in the Fiscal Year 2015-2016 Capital Budget of Austin Water.

Fiscal Note

A fiscal note is attached.

Purchasing Language:

Lowest responsive bid of four bids received through a competitive Invitation for Bid solicitation.

Prior Council Action:

November 19, 2015 – Council approved the purchase of three aeration blowers from Siemens Energy, Inc.

For More Information:

Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141; Steve Parks, 512-974-3576; Brent Bassett, 512-972-0653; Lucy Thompson, 512-974-7967.

Boards and Commission Action:

May 11, 2016 - Recommended by the Water and Wastewater Commission on a vote of 9-0 with Commissioners Kellough and Parker absent.

Related Items:

MBE / WBE:

This contract will be awarded in compliance with City Code Chapter 2-9A (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals with 26.36% MBE and 2.78% WBE participation.

Additional Backup Information

The South Austin Regional Wastewater Treatment Plant consists of three treatment trains: Train A, Train B, and Train C. In August of 2011, the South Austin Regional Wastewater Treatment Plant experienced a major chlorine leak which significantly damaged the Train A and B blowers. The blowers are vital components of the treatment process and provide air for many purposes including the activated sludge treatment process. The chlorine leak damaged all the blower controls, instrumentation, condition monitoring devices, and the area of the secondary treatment building where the blowers were housed, including the motor control center and other electrical equipment that was in the same building, such as air conditioning, lighting, and ventilation fans. Emergency repairs were completed including the installation of temporary blowers and other equipment which allowed Trains A and B to be returned to operation. However, following repairs, the remaining useful life of the blower system was estimated at only between 1 and 5 years, and the majority of the secondary treatment building remained severely damaged and abandoned. The purpose of this contract is to make improvements to the blower system and the secondary treatment building and to provide reliable treatment and performance for an estimated 25-year planning horizon.

The work included in the base bid consists of modifications to the building, installation of three new blowers, with provisions for a fourth, and the construction of a common air piping header between Train A and B and Train C blowers. Connecting all blowers to common piping was determined to be the most efficient and reliable means to provide air for constantly varying treatment conditions and flows, and to provide reasonable system redundancy. Additionally, the project includes construction of additional fine bubble aeration diffusers in Train A, B, and C. These diffusers are necessary to distribute the amount of air required to treat sewage that has steadily increased in strength over the last 15 years to 130% of the original design strength. The new blowers, header and diffusers will allow the plant to maintain a rated capacity of 75 million gallons per day for the foreseeable future in spite of the increasing strength of sewage.

The purchase of three large blowers for this project was approved by Council in November 2015. The blowers will be installed under this contract and fabrication is currently proceeding. Early purchase of this equipment was necessary due to the long manufacturing time required for these large blowers and will reduce the duration of construction phase by six months. The blowers are included as one portion of the allowance to the base bid.

The bid documents included three allowances: 1. blowers; 2. spare parts, tools, and equipment; and 3. warranty and protective maintenance. An allowance is a cost item for products or services in a construction project that have yet to be specified or defined at time of bid. The bid documents also included one alternate bid item. This alternate bid item covers work required for removal of baffle walls, mixers, temporary pumping and controls in Basins B. An alternate is a specified item of construction that is set apart by a separate sum. An alternate may or may not be incorporated into the contract sum at the discretion and approval of the owner at the time of contract award. The recommendation for award of this contract includes acceptance of the base bid, allowances, plus alternate bid item 1.

Due to the potential for unknown conditions at the site, a 5% contingency in funding has been included to allow for the expeditious processing of any change orders. A contingency is an additional amount of money added to the construction budget to cover any unforeseen construction costs associated with the project.

Timely approval of this construction contract is requested to provide the contractor with sufficient time to make preparations necessary for receiving and installing the blowers which are due to be delivered to the South Austin Regional Wastewater Treatment Plant in early 2017.

The contract allows 700 calendar days for completion of this project. This project is located within zip code 78617 (District 2). The project will be managed by the Public Works Department.

Matous Construction, Ltd. is located in Belton, Texas.

Information on this solicitation, including bid tabulation, is on file with the City's Capital Contracting Office and is

available on the City's Financial Services Austin Finance Online website. Link: [Solicitation Documents](#).