



Recommendation for Water & Wastewater Commission

Commission Meeting Date:	May 11, 2016
Council Meeting Date:	May 19, 2016
Department:	Public Works
SUBJECT	
Authorize 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.	
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:	Steve Park, 512-974-3576; Brent Bassett, 512-972-0653; Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141; Denise Avery, 512-972-0104; Lucy Bonee, 512-974-7967
Boards and Commission Action:	May 11, 2016- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract will be awarded in compliance with City Code Chapter 2-9A (Minority Owned and Women Owned Business Enterprise Procurement Program) Program by meeting the goals with 26.36% MBE and 2.78% WBE participation.

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 one (1) and five (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. 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](#).

M/WBE Summary

Public notice was given for this solicitation, CLMC573 SAR WWTP Trains and A and B Blower Replacement, through the City's Vendor Connection web portal which resulted in 112 contractors receiving notification. 10 contractors obtained the bid documents and four bids were received and opened on March 22, 2016. None of the bids received were from MBE/WBE certified firms. Matous Construction, Ltd. submitted the lowest responsive bid of 4 bids received:

	<u>Base Bid (initial)</u>	<u>Base Bid + Allowance</u>	<u>Base Bid + Alternates</u>
Matous Construction, LTD, Belton, TX	\$18,035,770	\$21,633,000	\$22,368,000
Pepper-Lawson Waterworks, LLC, Katy, TX	\$18,482,770	\$22,080,000	\$22,380,000
Thyssen-Laughlin, Inc., Houston, TX	\$18,700,500	\$22,297,730	\$22,447,730
Cardinal Contractors, Inc., Ft. Worth, TX	Non-responsive	Non-responsive	Non-responsive

The contractor's choice of work methodology provides for 33 areas of subcontracting opportunities which are listed below. Project specific subgoals stated in the solicitation were 1.92% African American; 1.56% Hispanic; 1.70% Native/Asian, 2.61% WBE. Total participation was estimated on the initial base bid amount of \$18,035,770:

NON M/WBE – PRIME	\$5,320,369.60	29.49%
Matous Construction, LTD, Belton, TX	\$5,320,369.60	29.49%
MBE TOTAL – SUBCONTRACTORS	\$4,754,451.40	26.36%
African American Subtotal	\$393,316	02.18%
MB) Austex Tree Service, Inc., Round Rock, TX, (Erosion Controls)	\$11,316	00.06%
(MB) E&T Masonry Construction & Remodeling Co, LLC Round Rock, TX (Masonry)	\$342,000	01.90%
(MB) Lewis Clark Trucking, LLC, Pflugerville, TX (Hauling)	\$18,000	00.10%
(MB) Unism Development Co Inc.,	\$22,000	00.12%

Austin, TX (Construction Parking Lot)		
Hispanic Subtotal	\$3,870,000	21.46%
FH) T Morales Company Electric & Controls, Ltd. Florence, TX (Construction, Utility Underground)	\$3,870,000	21.46%
Native/Asian Subtotal	\$491,135.40	02.72%
FA) KLP Commercial, LLC, Round Rock, TX, (SS Pipes, Clamps)	\$491,135.40	02.72%
WBE TOTAL – SUBCONTRACTORS	\$500,850	02.78%
(FW) Stephanie Braun Clayton LLC, Austin, TX (Photography)	\$17,850	00.10%
(FW) Macaulay Controls Co. Houston, TX (Stainless, Valves, Flanges)	\$473,000	02.62%
(FW) Walker Texas Surveyors, Cedar Park, TX (Survey)	\$10,000	00.06%
NON M/WBE TOTAL – SUBCONTRACTORS	\$7,460,099	41.37%
ARC Abatement I, Ltd., Austin, TX	\$69,750	00.39%
Texas Concrete Materials, Ltd., Round Rock, TX (Concrete)	\$115,000	00.64%
Voges Drilling, New Braunfelds, TX (Drilling)	\$120,800	00.67%
Hydro Spy, LLC, Houston, TX (Excavation)	\$10,380	00.06%
CMC Steel Fabricators, Inc., Round Rock, TX (Re-Bar)	\$53,000	00.29%
Seguin Fabricators, Ltd., Seguin, TX (Misc. Steel)	\$72,000	00.40%
GL Nettles, Inc., Waller, TX (Concrete Insulation)	\$35,900	00.20%
Best Insulation, Austin, TX (Foam Insulation)	\$2,500	00.01%
Alpha Insulation & Waterproofing, Round Rock, TX (Insulation)	\$21,950	00.12%
Texas Roofing Co., Round Rock, TX (Roofing)	\$185,000	01.03%
Everett's Acoustics, LLC, Salado, TX (Ceiling Tiles)	\$4,240	00.02%
Industrial Noise Control, N. Aurora, IL (Metal Faced Acoustical Panels)	\$21,056	00.12%
A & Y Painting, Temple, TX (Painting)	\$92,307	00.51%
Overhead Door Company of Austin, Austin, TX, (Overhead Doors)	\$7,455	00.04%
United Rentals, Harker Heights, TX (Scissor Lift)	\$11,385	00.06%
Proserv Crane Group, Irving, TX (Crane Maintenance & Repair)	\$14,197	00.08%
Hartwell Environmental, Austin, TX (Aeration Equipment)	\$1,500,000	08.32%
Ferguson Waterworks, San Antonio, TX (Piping & Valves)	\$1,530,000	08.48%
Mid-State Insulation, Austin, TX (Insulation)	\$11,800	00.07%
5-F Mechanical Group, Inc., Austin, TX	\$314,379	01.74%

(HVAC)		
T Morales Company Electrical & Controls Florence, TX (Electrical & Instrumentation)	\$2,608,000	14.46%
Fugro Consultants, Inc., Austin, TX (Testing Services)	\$12,000	00.07%
Control Panels USA, Austin, TX (Industrial & Process Control Systems)	\$647,000	03.59%

The Contractor submitted a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department. Second and third low bidder information is provided.

SECOND BIDDER - Pepper-Lawson Waterworks, LLC, Katy, TX \$22,080,000
35.79% NON M/WBE prime participation; 1.99% African American; 21.35% Hispanic;
2.52% Native/Asian; 2.99% WBE; 35.36% Non M/WBE subcontractor participation.

THIRD BIDDER - Thyssen-Laughlin, Inc., Houston, TX \$22,297,730
53.40% NON M/WBE prime participation; 1.92% African American; 22.73% Hispanic;
2.63% Native/Asian; 2.71% WBE; 16.61% Non M/WBE subcontractor participation.

CERTIFIED BID TAB

CITY OF AUSTIN	PROJECT SPONSOR: AUSTIN WATER UTILITY	BID OPENING DATE: 3/24/2016
BID TABULATION	BID CERTIFICATION & CONTRACT REP: MONICA LOPEZ	TIME: 1:00 PM
	PROJECT MANAGER: STEVE PARKS	LOCATION: 505 BARTON SPRINGS RD. SUITE 1045C
	PROJECT CONSULTANTS: COROLLO ENGINEERS, INC.	PRICE EXPIRATION: 90 CAL. DAYS
	DURATION: 700 CAL. DAYS	LIQUIDATED DAMAGES: \$2,500 P/CAL. DAY
PROJECT: SAR WWTP TRAINS A & B BLOWER REPLACEMENT	SUB ID#: 3333.028	
BID INVITATION NO: CLMC573	RESPONSES: 4	
PROJECT NUMBER(S): 4570 2307 4670	ESTIMATE: \$23,300,000.00	

BIDDER(S):	CARDINAL CONTRACTORS, INC.	MATOUS CONSTRUCTION, LTD.	PEPPER-LAWSON WATERWORKS, LLC	THYSSEN-LAUGHLIN, INC.
LOCATION:	NON-RESPONSIVE	BELTON, TX	KATY, TX	HOUSTON, TX
GUARANTEE		BB	BB	BB
ADDENDA ACKNOWLEDGED		2	2	2

EXCAVATION SAFETY SYSTEMS UNIT PRICES: <i>The Base bid for the Work includes the following amounts in the Bid for excavation safety systems as specified in Item Number 509S of the specifications & in case of an authorized adjustment of the scope of Work, the following unit price will be used in adjusting the Contract Amount.</i>										
QTY	UNIT	ITEM DESCRIPTION			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
500	LF	TRENCH SAFETY SYSTEMS			\$ 10.00	\$ 5,000.00	\$ 5.00	\$ 2,500.00	\$ 1.00	\$ 500.00
ALLOWANCE 1		THREE SIEMENS SINGLE STAGE BLOWERS			\$3,135,710.00		\$3,135,710.00		\$3,135,710.00	
ALLOWANCE 2		TOOLS, SPARE PARTS, DOUBLE-TAG WIRING, ADDITIONAL APPURTENANCES & EQUIPMENT			\$176,040.00		\$176,040.00		\$176,040.00	
ALLOWANCE 3		ADDITIONAL 1-YEAR WARRANTY, NEW HEAT EXCHANGERS, FIELD SERVICES, 5-YEAR FACTORY PROTECTIVE MAINTENANCE			\$285,480.00		\$285,480.00		\$285,480.00	
SUBTOTAL ALLWANCES #1-3					\$3,597,230.00		\$3,597,230.00		\$3,597,230.00	

CERTIFIED BID TAB

BIDDER(S):			CARDINAL CONTRACTORS, INC.	MATOUS CONSTRUCTION, LTD.	PEPPER-LAWSON WATERWORKS, LLC		THYSSEN-LAUGHLIN, INC.			
BASE BID: (INCLUDES ALLOWANCES #1-3 & EXCAVATION SAFETY SYSTEMS UNIT PRICES)					\$21,633,000.00		\$22,080,000.00		\$22,297,730.00	
BASE BID: (MINUS ALLOWANCES #1-3)					\$18,035,770.00		\$18,482,770.00		\$18,700,500.00	
ALTERNATE 1	ADDITIONAL DEMOLITION IN TRAIN B AEROATION BASINS 1-4 TO REMOVE BNR STRUCTURAL & MECHANICAL COMPONENTS				\$735,000.00		\$300,000.00		\$150,000.00	
TOAL BID: (INCLUDES BASE BID PLUS ALTERNATE #1)					\$22,368,000.00		\$22,380,000.00		\$22,447,730.00	
UNIT PRICES: In case of an authorized adjustment to the scope of Work shown, the following unit price(s) will be used in adjusting the Contract Amount (add or deduct)										
QTY	UNIT	ITEM DESCRIPTION			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
3,000	CU YD	SLUDGE/GRIT DISPOSAL IN AERATION BASINS AS NEEDED, PER SECTION 01140			\$ 95.00	\$ 285,000.00	\$ 50.00	\$ 150,000.00	\$ 90.00	\$ 270,000.00
5,000	LF	REPAIR AS NEEDED, PER SECTION 03931			\$ 210.00	\$ 1,050,000.00	\$ 45.00	\$ 225,000.00	\$ 18.50	\$ 92,500.00

TRUE COPY OF BID TABULATION AS RECEIVED OR CORRECTED IN ACCORDANCE WITH CONDITIONS GOVERNING PROPOSALS.



4/27/16

CAPITAL CONTRACTING OFFICE
CONTRACT PROCUREMENT DIVISION
CITY OF AUSTIN, TX

DATE

