



Recommendation for Water & Wastewater Commission

Commission Meeting Date:	March 9, 2016
Council Meeting Date:	March 31, 2016
Department:	Public Works
SUBJECT	
Authorize execution of a construction contract with MATOUS CONSTRUCTION, LTD for the Davis Water Treatment Plant Treated Water Discharge System project, in the amount of \$43,710,000 (base bid + an alternate bid item) plus a \$2,185,500 contingency, for a total contract amount not to exceed \$45,895,500. (District 10)	
AMOUNT AND SOURCE OF FUNDING	
Funding is available in the Fiscal Year 2015-2016 Capital Budget of Austin Water.	
Purchasing Language:	One bid received.
Prior Council Action:	N/A
For More Information:	Richard Duane, 512- 974-7730; Chris Wolter, 512-972-0224, Denise Avery, 512-972-0104; Lucy Bonee, 512-974-7697; Sarah Torchin, 512-974-7141
Boards and Commission Action:	March 9, 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 by meeting the goals with 7.11% MBE and 14.86% WBE subcontractor participation.

Originally constructed in 1953, the Davis Water Treatment Plant is critical component of the Austin potable water system, producing potable water for the central, east and north parts of the city. Key functions at the plant are performed by original assets that are far beyond their expected useful life including high service pump station motors and the medium service pump station (MSPS), which deliver the finished water to the distribution system. The existing MSPS equipment and piping have been in service for over 60 years. The motor controls and electrical equipment are obsolete and extremely difficult to repair. Also, many of the isolation valves have failed and cannot be replaced due to the confined nature of the building. Due to the condition of the station even small leaks and maintenance items require a full station shutdown to repair. Additionally there is a high risk for a major leak to occur and flood the station causing damage resulting in an extended outage. These full station shutdowns require detailed planning, coordination, and place significant strain on the operation of the distribution system. This project has been scoped and scheduled to replace this integral plant process with minimal disruption to facility operations.

Of the seven pumps at the MSPS only four are now operable. The four operational pumps and motors are in poor working condition and could fail at any time. The original equipment manufacturer is no longer in business making it very difficult to obtain replacement parts and maintenance support from a knowledgeable representative. Failure of any critical component of the four operating pumps would result in pumping capacity of the plant being significantly reduced. This reduction in capacity has the potential to make it very difficult operationally to satisfy the water demand required for the citizens of Austin.

The new MSPS will be powered by a new electrical substation that will be built under the Power Distribution Upgrades (PDU) project. Any delay in starting the pump station construction will also delay the start of the PDU construction.

The construction of both projects is approved under a common site development permit. The proposed drainage plan and storm water management facilities were developed considering that the MSPS building will be constructed first and contain the storm water detention/water quality wetwell for both projects as a continuation of the building basement.

A significant portion of the power distribution is from construction in the 1960s including the substation. The substation has had failures and could have a significant failure, shutting the entire plant down for an extended period. Also, the power feeds servicing the critical process areas of the plant could have a major failure shutting a process area down or the entire plant. The main power feed to the entire plant has had two recent failures that required shutdowns of the plant. Failure of any critical component of the power distribution system will negatively impact the pumping capacity of the plant and could result in an extended plant outage.

This project will construct a new MSPS then demolish the old MSPS while maintaining potable water service to City customers with minimal impact to the surrounding neighborhood. Austin Water has been working towards the replacement and upgrade of the MSPS for several years and is now in a position to begin the construction of the new MSPS. The project is anticipated to begin construction in June 2016 and be operational and substantially completed by May 2019. Public communications to the affected areas have been continuous and are achieved through a combination of meetings, mailings and a website.

The bid documents included one alternate bid item to allow for the replacement of pump motors at the high service pump station. The recommendation for award of this contract includes acceptance of that alternate bid item to replace high service pump station motors.

Due to the potential for unforeseen conditions or utility conflicts, a 5% contingency in funding has been included to allow for the expeditious processing of any change orders.

The contract allows 1,065 calendar days for substantial completion of this project. This project is located within zip code 78731 (District 10) and managed by the Public Works Department.

Matous Construction, Ltd is located in Belton, Texas.

M/WBE Summary

Bid documents were distributed to 8 general contractors. Bids were opened on February 11, 2016. Matous Construction, Ltd submitted the one bid received:

	<u>Base Bid</u>	<u>Base Bid + Alternate</u>
Matous Construction, Ltd, Belton, Texas	\$42,190,000	\$43,710,000

The contractor's choice of work methodology provides for subcontracting opportunities in 37 areas which are listed below. Project specific sub goals stated in the solicitation were 3.04% African American; 2.63% Hispanic; 0.61% Native/Asian American; and 1.35% WBE. Total participation estimated on the base bid amount of \$42,190,000:

NON M/WBE TOTAL – PRIME	\$16,627,991	39.41%
Matous Construction, Ltd, Belton, Texas	\$16,627,991	39.41%
MBE TOTAL – SUBCONTRACTORS	\$2,998,463	7.11%
<u>African American Subtotal</u>	<u>\$1,472,135</u>	<u>3.49%</u>
(MB) Austex Tree Service, Inc., Round Rock, TX (erosion control)	\$21,700	0.05%
(MB) Lewis Clark Trucking, LLC, Pflugerville, TX (hauling)	\$75,435	0.18%
(MB) Unism Development Co, Inc., Austin, TX (iron body valves)	\$1,375,000	3.26%
<u>Hispanic Subtotal</u>	<u>\$1,236,000</u>	<u>2.93%</u>
(MH) Austin Underground, Inc., Lago Vista, TX (sewer & storm drain)	\$1,236,000	2.93%
<u>Asian / Native American Subtotal</u>	<u>\$290,338</u>	<u>0.69%</u>
(MA) BenQwest, LLC, Austin, TX (fuel oil)	\$173,300	0.41%
(FA) KLP Commercial, LLP, Round Rock, TX	\$70,433	0.17%
(FA) Metalink Corp, Austin, TX (chain link fencing)	\$46,595	0.11%
WBE TOTAL – SUBCONTRACTORS	\$6,266,146	14.85%
(FW) Chlor-Serv, Inc., Hutto, TX (disinfectant)	\$10,000	0.02%

(FW) Desert Steel Co, Inc., Austin, TX (reinforcement bar)	\$200,896	0.48%
(FW) Macaulay Controls Co, Houston, TX (water & sewer equipment)	\$169,000	0.40%
(FW) Stephanie Braun Clayton, LLC, Austin, TX (construction photography)	\$19,250	0.05%
(FH) T Morales Company Electric & Controls, Florence, TX (underground utilities)	\$5,867,000	13.91%
NON TOTAL – SUBCONTRACTORS	\$16,297,400	38.63%
5F Mechanical Group, Inc., Austin, TX (HVAC)	\$392,245	0.92%
Alpha Insulation & Waterproofing, Round Rock, TX (insulation & waterproofing)	\$425,000	1.01%
Alpha Painting & Decorating, Co, Inc., Round Rock, TX (painting)	\$620,000	1.46%
ARC Abatement I, Ltd, Austin, TX (lead abatement)	\$19,700	0.05%
Bonded Lighting Protection, Argyle, TX (lighting protection)	\$13,850	0.03%
Champion Site Preparation, Inc., Georgetown, TX (excavation)	\$687,400	1.63%
CMC Steel Fabricators. Inc., Round Rock, TX (reinforcing steel)	\$375,000	0.88%
Control Panels USA, Austin, TX (industrial & process control systems)	\$2,281,000	5.41%
CW Oates Masonry, Inc., Georgetown, TX (unit masonry)	\$860,000	2.04%
Ferguson Waterworks, San Antonio, TX (piping and valves)	\$4,100,000	9.72%
Heede Southeast, Inc., Hillsboro, TX (crane rental)	\$600,000	1.42%
Integrity Builders Supply, Lorena, TX (frames, doors & hardware)	\$13,280	0.03%
Jimsco Glass & Window, Inc., Temple, TX (windows)	\$125,250	0.30%
Johnson Equipment Company, Dallas, TX (doors)	\$55,000	0.13%
Olden, A Division of Hayward Baker, Little Elm, TX (temp retention system)	\$717,558	1.70%
Par-Kut International, Inc., Harrison Township, MI	\$13,651	0.03%
Power Engineering Services, San Antonio, TX (power plant equipment maintenance.)	\$15,800	0.04%
ProservCrane Group, Irving, TX (bridge crane system)	\$320,000	0.76%
Pump Solutions, Hutto, TX (pumps)	\$112,000	0.27%
Seguin Fabricators, Seguin, TX (miscellaneous steel)	\$855,000	2.03%
Smith Pump Company, Inc., Austin, TX (pumps)	\$20,315	0.05%
Sulzer Pumps Solutions, Inc., Easley, SC (centrifugal pumps)	\$2,238,000	5.30%
Tecta America, Pflugerville, TX (roofing)	\$200,561	0.48%
Texas Concrete Materials, Ltd, Round Rock, TX (concrete)	\$630,000	1.49%
The Davey Tree Expert, Co, Austin, TX (tree protection)	\$30,440	0.07%

T Morales Company Electric & Controls, Ltd,
Florence, TX (electrical & instrumentation)

\$576,350

1.37%

The Contractor submitted an MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Department of Small and Minority Business Resources.

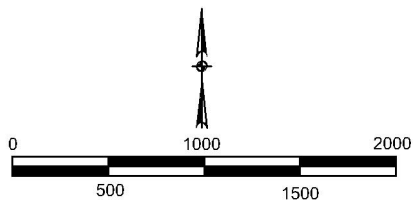
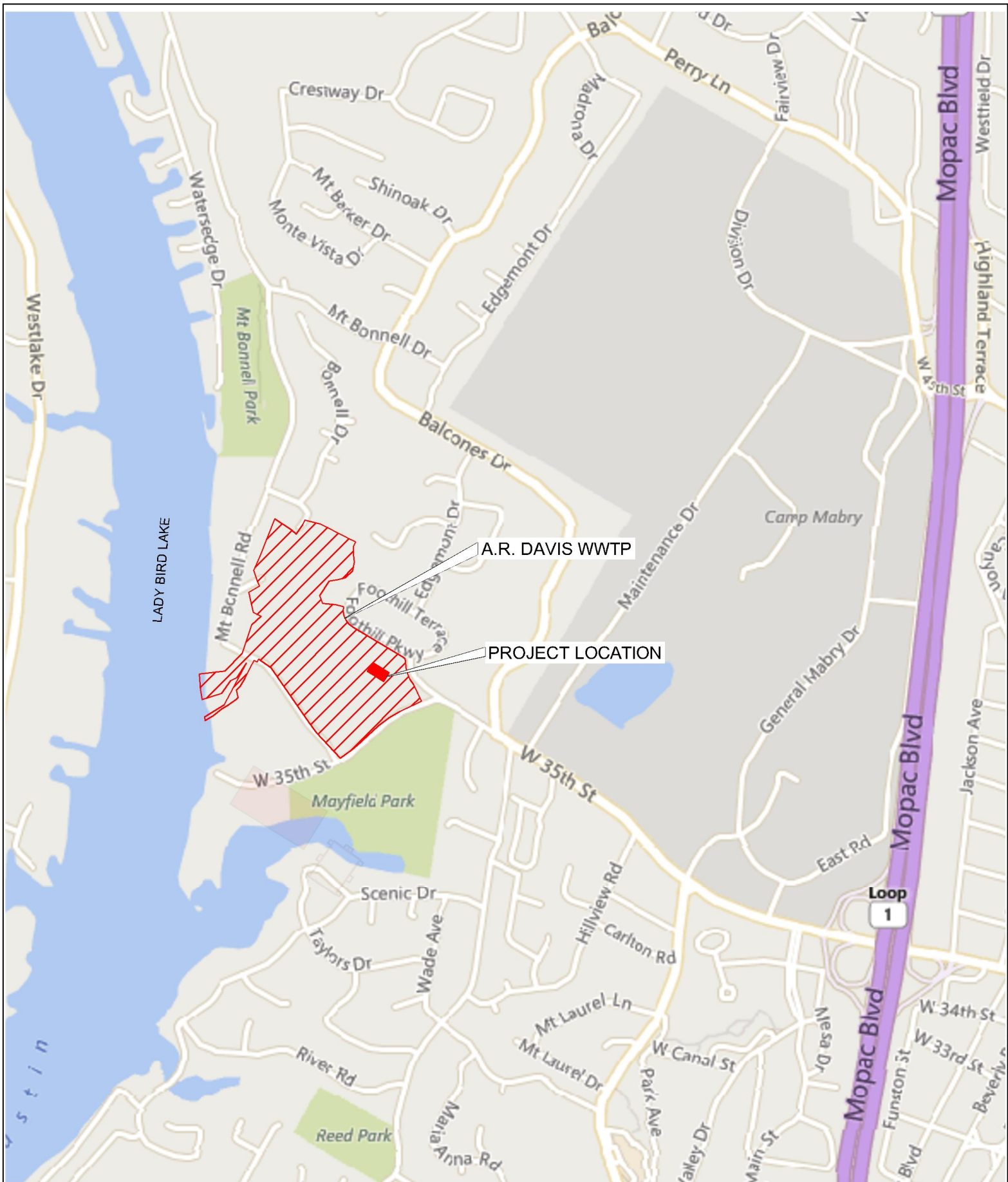
CERTIFIED BID TAB

CITY OF AUSTIN				PROJECT SPONSOR: AWU		BID OPENING DATE: 2/11/2016	
BID TABULATION				BID CERTIFICATION: MaryLou Ochoa		TIME: 3:00 PM	
				AUTHORIZED CONTACT REP: MaryLou Ochoa		LOCATION: 105 W. Riverside Drive	
				PROJECT MANAGER: Richard Duane		PRICE EXPIRATION: 90 CAL. DAYS	
				PROJECT CONSULTANTS: AECOM Technical Services, Inc.		LIQUIDATED DAMAGES: \$4,430/CAL. DAY	
PROJECT: Davis Water Treatment Plant Treated Water Discharge System				CIP ID NO.: 2015.041		DURATION: 1215 CAL. DAYS	
BID INVITATION NO: CLMC569				ESTIMATED AMOUNT: \$41,775,474.00			
FDU NUMBER(S): 3960 2207 7653				RESPONSES: 1			
BIDDER(S):				MATOUS CONSTRUCTION, LTD.			
LOCATION:				BELTON, TX			
GUARANTEE: BB-Bid Bond CC-Cashiers Check CTC-Cert. Chk.				BB			
ADDENDA ACKNOWLEDGED				7			
BID ITEM	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT		
1	1	L.S.	CONSTRUCTION OF DAVIS WATER TREATMENT PLANT TREATED WATER DISCHARGE SYSTEM IMPROVEMENTS, IN ACCORDANCE WITH CONTRACT REQUIREMENTS, COMPLETE AND IN PLACE FOR		\$ 41,433,000.00		
EXCAVATION SAFETY SYSTEMS UNIT PRICES:							
	1,600	IN. FT.	TRENCH SAFETY SYSTEMS	\$ 20.00	\$ 32,000.00		
ALLOWANCES:							
ALLOWANCES #1 (SECURITY SYTEM ALLOWANCE)							
ALLOWANCES #2 (WDCS COMPUTER PROGRAM MODIFICATION)							
ALLOWANCES #3 (HIGH SERVICE PUMP STATION MCC MODIFICATIONS)							
ALLOWANCES #4 (YARD VALVES)							
SUBTOTAL ALLOWANCES							
BASE BID (BASE BID INCLUDES ALLOWANCES AND EXCAVATION SAFETY SYTEMS UNIT PRICES, IF APPLICABLE.)							
ALLOWANCE NO. 1: LS REPLACEMENT OF THE HIGH SERVICE PUMP STATION MOTORS, IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND CONSTRUCTION PLANS TO BE PERMITTED FOR							
TOTAL BID (BASE BID PLUS ALTERNATE)							
				\$ 43,710,000.00			

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

3/1/16

DATE
CAPITAL CONTRACTING OFFICE
CONTRACT PROCUREMENT DIVISION
CITY OF AUSTIN, TX



A. R. DAVIS WTP
TREATED WATER DISCHARGE SYSTEM
CITY OF AUSTIN , TEXAS
MEDIUM SERVICE PUMP STATION
PROJECT LOCATION

AECOM

AECOM TECHNICAL SERVICES INC.
9400 AMNERGLEN BOULEVARD
AUSTIN, TEXAS 78729
WWW.AECOM.COM
TBE REG. No. F-3580