

**Recommendation for Council Action
Water & Wastewater Commission**

Council Meeting Date:	September 17, 2015
Department:	Public Works
SUBJECT	
<p>Authorize execution of a construction contract with PEPPER-LAWSON WATERWORKS, LLC for the Ullrich Hydraulic and Energy Efficiency Improvements project in the amount of \$6,498,000 plus a \$649,800 contingency, for a total contract amount not to exceed \$7,147,800. (District 8)</p>	
AMOUNT AND SOURCE OF FUNDING	
<p>Funding is available in the Fiscal Year 2014-2015 Capital Budget of Austin Water.</p>	
FISCAL NOTE	
<p>A fiscal note is attached.</p>	
Purchasing Language:	Lowest bid of 3 bids received.
Prior Council Action:	N/A
For More Information	Connie Smith, 512-974-7274; Omoruyi Ebomwonyi, 512-972-0237, Lucy Bonee, 512-974-7967; Rolando Fernandez, 512-974-7749; Elizabeth Godfrey, 512-974-7141
Boards and Commission Action:	To be reviewed by Water and Wastewater Commission on September 9, 2015.
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 27.05% MBE and 1.52% WBE participation.

The Ullrich Water Treatment Plant (Ullrich WTP) was constructed in 1969 and is one of three regional water treatment plants which provide drinking water for the City of Austin. The plant has gone through major expansions/rehabilitations in 1986, 1999 and 2003. It currently has a capacity of 167 MGD. The Ullrich WTP contains three large pump stations including a low service pump station (Ullrich LSPS), a medium service pump station (Ullrich MSPS) and a high service pump station (Ullrich HSPS). The Ullrich LSPS supplies raw water from Lake Austin to the Ullrich WTP and contains six vertical turbine pumps ranging in capacity from 30 MGD to 45 MGD. A Preliminary Engineering Study was performed to evaluate the pump stations and provide recommendations for energy efficiency and reliability improvements. Following the preliminary study, final design was performed to implement the recommendations for the Ullrich LSPS rehabilitation.

This project will renovate the Ullrich LSPS and will result in a more energy efficient and reliable facility. The current pump station energy efficiency was confirmed to be significantly below original design ratings, resulting in higher energy costs to operate the plant. There are also significant reliability issues at the Ullrich LSPS due to the age of the pumps and the lack of hydraulic surge protection; a standard at other pump stations of this capacity. Without sufficient surge protection, the station and related piping are at risk of catastrophic damage if a power loss occurs while operating at full capacity. The project will specifically rehabilitate two pumps, four pump control valves and replace the electrical gear (motor control center) that powers three of the pumps. The project also includes installation of surge tanks, air vacuum valves, and other ancillary assets designed to prevent damage from hydraulic surge in the system.

Currently, two of the six LSPS pumps are not considered operable due to their condition. Delay of this project would therefore impact plant capacity, operational flexibility and leave the system vulnerable to potential catastrophic failure due to hydraulic surge events. Additionally, a delay of this project would delay the energy efficiency improvements at the Ullrich Water Treatment Plant.

A 10% contingency in funding has been included in the event of possible changed field conditions and help facilitate timely processing of any change orders.

The contract allows 701 calendar days for the Substantial Completion of this project. Final Completion will be reach within 60 calendar days after the Substantial Completion. This project is located in City Council District 8 within zip code 78746 and is managed by the Public Works Department.

Pepper-Lawson Waterworks, LLC is located in Katy, Texas.

M/WBE Summary

Bid documents were distributed to 6 general contractors. Bids were opened on July 23, 2015. The Pepper-Lawson Waterworks, LLC submitted the lowest of 3 bids received:

Pepper-Lawson Waterworks, LLC, Katy, TX	\$6,498,000
Prota Construction, Inc.& Prota, Inc., JV, Austin, TX	\$7,427,000
Matous Construction, LTD, Belton, TX	\$8,095,000

The contractor's choice of work methodology provides for 17 areas of subcontracting opportunities which are listed below. Project specific subgoals stated in the solicitation were 0.78% African American; 25.14% Hispanic; 1.11% Native/Asian, 1.52% WBE. Total participation estimated on base bid amount of \$6,498,000:

NON/M/WBE TOTAL – PRIME	\$1,581,700.00	24.33%
Pepper-Lawson Waterworks, LLC, Katy, TX	\$1,581,700.00	24.33%
MBE TOTAL – SUBCONTRACTORS	\$1,757,500.00	27.05%
African American Subtotal	\$52,000.00	0.80%
(MB) Austex Tree Service, Round Rock, TX (Erosion Control)	\$3,000.00	0.05%
(MB) Elroy Smith DBA Smith Concrete Construction Austin, TX (Concrete)	\$48,000.00	0.74%
(MB) Comanche Express, Austin, TX (Hauling)	\$1,000.00	0.02%
Hispanic Subtotal	\$1,633,500.00	25.14%
(FH) T. Morales Company Electric & Controls Ltd., Florence, TX (Construction and Upgrades, Utility Underground)	\$1,626,000.00	25.02%
(FH) Esperanza White DBA White Photography, Dripping Springs, Dripping Springs, TX (Photography)	\$7,500.00	0.12%
Native/Asian Subtotal	\$72,000.00	1.11%
(FA) Metalink Corp., Austin, TX (Handrails, Pipe)	\$24,000.00	0.37%
(FN) KLP Commercial, LLC, Round Rock, TX (Pipe, Iron)	\$48,000.00	0.74%
WBE TOTAL – SUBCONTRACTORS	\$98,500.00	1.52%
(FW) Choctaw Pipe & Equipment, Houston, TX (Pipe, PVC)	\$92,000.00	1.42%
(FW) Champion Fuel Solutions, Bedford, TX (Fuel, Oil, Diesel)	\$4,000.00	0.06%
(FW) Liquid Waste Solutions, LLC, Buda, TX (Toilets)	\$2,500.00	0.04%
NON M/WBE TOTAL – SUBCONTRACTORS	\$3,060,300.00	47.10%
T Morales Company Electric & Controls Ltd., Florence TX (Electric)	\$328,000.00	5.05%
A&Y Painting, Temple, TX (Painting)	\$14,200.00	0.22%
Ferguson Enterprises, Austin, TX (Valves)	\$140,000.00	2.15%
Blacoh Fluid Control, Riverside, CA (surge suppression equipment)	\$985,300.00	15.16%
Smith Pump Company, Inc., Austin, TX (Pumps)	\$621,800.00	9.57%
Environmental Improvements, Inc., Buda, TX (Valve Parts, Misc.)	\$825,000.00	12.70%
Control Panels USA, Inc., Austin, TX (Controlling, Indicating & Recording Instruments)	\$146,000.00	2.25%

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

SECOND BIDDER – Prota Construction Inc. and Prota, Inc Joint Venture Austin, TX
\$7,427,000

32.72% NON M/WBE prime participation; 0.77% African American; 30.74% Hispanic; 1.10% Native/Asian; 21.89% WBE; 12.78% Non M/WBE subcontractor participation.

THIRD BIDDER – Matous Construction, Ltd., Belton, TX
\$8,095,000

36.00%NON M/WBE prime participation; 0.23% African American; 20.16% Hispanic; 0.00% Native/Asian; 0.00% WBE; 43.61% Non M/WBE subcontractor participation.

CERTIFIED BID TAB

CITY OF AUSTIN	PROJECT SPONSOR: Austin Water Utility	BID OPENING DATE: 7/23/2015
BID TABULATION	BID CERTIFICATION & CONTRACT REP: Monica Lopez	TIME: 2:30 PM
	PROJECT MANAGER: Connie Smith	LOCATION: 105 W. RIVERSIDE DR., Ste. 210
	PROJECT CONSULTANTS: Public Works-Engineering Services	PRICE EXPIRATION: 90 CAL. DAYS
	DURATION: 761 CAL. DAYS	LIQUIDATED DAMAGES: \$1,970 P/CAL. DAY

PROJECT: Ullrich Water Treatment Plant Raw Water Hydraulic & Energy Efficiency Improvements Low Service Pump Station		SUB ID# 5335.027
BID INVITATION NO: CLMC547		RESPONSES: 3
PROJECT NUMBER(S): 3960 2207 6418		ESTIMATE: \$6,481,873.00

BIDDER(S):	PEPPER-LAWSON WATERWORKS, LLC	PROTA CONSTRUCTION, INC. & PROTA, INC., JV	MATOUS CONSTRUCTION, LTD
LOCATION:	KATY, TX	AUSTIN, TX	BELTON, TX
GUARANTEE: BB-Bid Bond CC-Cashiers Check CTC-Cert. Chk.	BB	BB	BB
ADDENDA ACKNOWLEDGED	4	4	4

EXCAVATION SAFETY SYSTEMS UNIT PRICES									
QUANTITY		UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
230		LF	TRENCH SAFETY SYSTEMS	\$10.00	\$2,300.00	\$2.00	\$460.00	\$10.00	\$2,300.00
BID ITEM	QTY.	UNIT	ITEM DESCRIPTION	AMOUNT		AMOUNT		AMOUNT	
1	1	LS	IMPROVEMENTS TO EXISTING LOW SERVICE PUMP STATION AT ULLRICH WATER TREATMENT PLANT	\$6,187,700.00		\$7,118,540.00		\$7,787,000.00	

UNIT PRICES: THE UNDERSIGNED BIDDER AGREES THAT, IN CASE OF AN AUTHORIZED AJUSTMENT TO THE SCOPE OF WORK SHOWN, THE FOLLOWING UNIT PRICE(S) WILL BE USED IN ADJUSTING THE CONTRACT AMOUNT.

DESCRIPTION	UNIT PRICE PER VERTICAL LF	UNIT PRICE PER VERTICAL LF	UNIT PRICE PER VERTICAL LF
ADDITIONAL INSTALLED DRILL SHAFTS FOR SURGE TANK LSPS-ST-001 IN ACCORDANCE WITH CONTRACT REQUIREMENTS, COMPLET IN PLACE	\$200.00	\$400.00	\$200.00

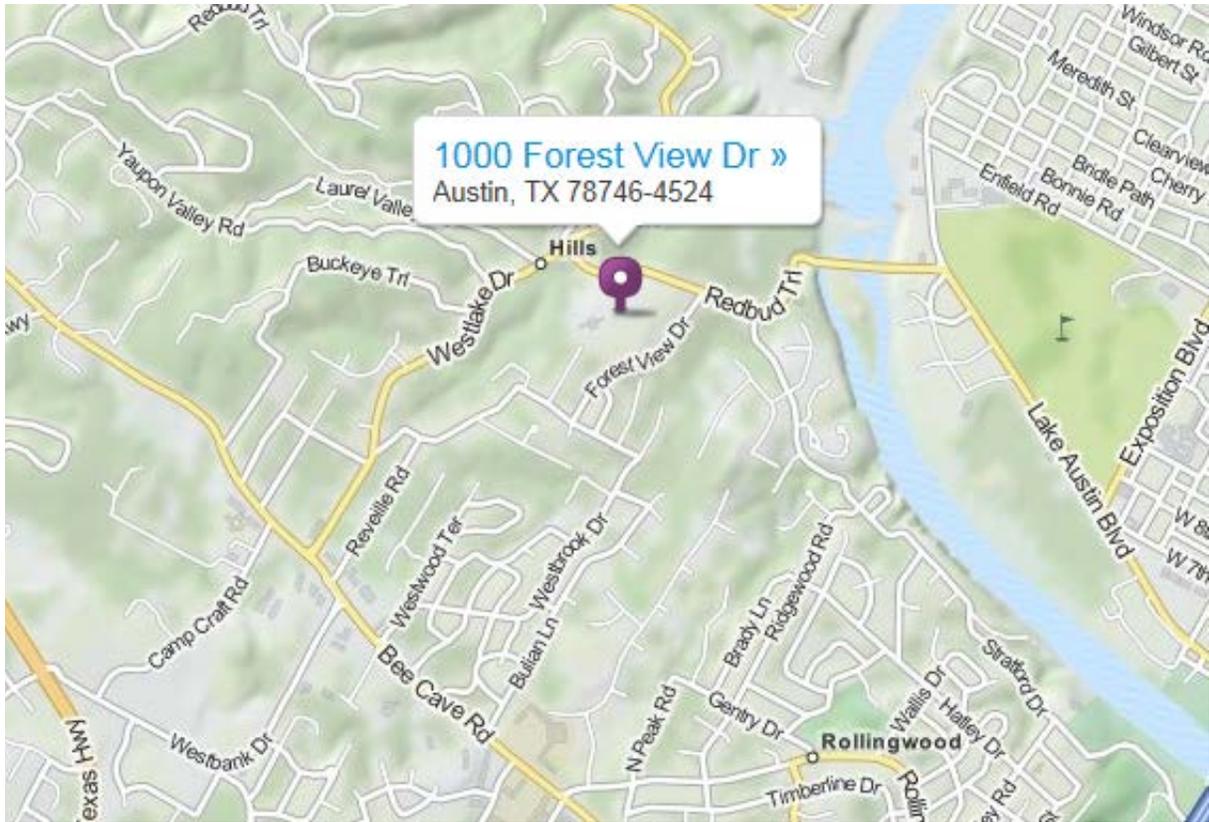
ALLOWANCES				
	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
ALLOWANCE NO.2	PERFORMING CRITICAL SPEED ANALYSIS & FINITE ELEMENT ANALYSIS FOR PUMP UNIT UL-LSPS-LWP-005, COMPLETED IN PLACE	\$7,500.00	\$7,500.00	\$7,500.00
ALLOWANCE NO.3	INSTALLATION OF NEW SOLE PLATES & MODIFICATIONS TO PUMP/MOTOR PEDESTAL FOR PUMP UNIT UL-LSPS-LWP-004 COMPLETED IN PLACE	\$27,000.00	\$27,000.00	\$27,000.00

CERTIFIED BID TAB

BIDDER(S):	PEPPER-LAWSON WATERWORKS, LLC	PROTA CONSTRUCTION, INC. & PROTA, INC., JV	MATOUS CONSTRUCTION, LTD
ALLOWANCE NO.4	INSTALLATION OF NEW SOLE PLATES & MODIFICATIONS TO PUMP/MOTOR PEDESTAL FOR PUMP UNIT UL-LSPS-LWP-005, COMPLETED IN PLACE \$27,000.00	\$27,000.00	\$27,000.00
ALLOWANCE NO.5	REPLACEMENT OF IMPELLERS AT THE FIRST (BOTTOM) STAGE FOR PUMP UNIT UL-LSPS-LWP-004, COMPLETED IN PLACE \$60,000.00	\$60,000.00	\$60,000.00
ALLOWANCE NO.6	STAGE FOR PUMP UNIT UL-LSPS-LWP-005, COMPLETEED IN PLACE \$47,000.00	\$47,000.00	\$47,000.00
ALLOWANCE NO.7	REPLACEMENT OF MISCELLANEOUS PUMP/MOTOR FIELD INSTRUCMENTATION, COMPLETED IN PLACE \$132,000.00	\$132,000.00	\$132,000.00
SUBTOTAL ALLOWANCES:		\$308,000.00	\$308,000.00
TOTAL BID AMOUNT:		\$6,498,000.00	\$7,427,000.00
(TOTAL BID INCLUDES ALLOWANCES & EXCAVATION SAFETY SYSTEMS UNIT PRICES, IF APPLICABLE)			

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

 8/7/15
 _____ DATE
 CONTRACT MANAGEMENT DEPARTMENT
 CONTRACT PROCUREMENT & DEVELOPMENT DIVISION,
 CITY OF AUSTIN, TX



ULLRICH WATER TREATMENT PLANT

1000 FOREST VIEW DRIVE

AUSTIN, TEXAS 78746