



## Water & Wastewater Commission Review and Recommendation

<b>Commission Meeting Date:</b>	December 5, 2018
<b>Council Meeting Date:</b>	December 13, 2018
<b>Department:</b>	Public Works
<b>Client:</b>	John Mitchell, Charles Celauro and Chris Chen
<b>Agenda Item</b>	
Authorize award and execution of a construction contract with <b>Matous Construction, LTD.</b> , for the Hornsby Bend Side Stream Treatment Plant (SSTP) Relief project in the amount of \$12,604,000 plus a \$1,260,400 contingency, for a total contract amount not to exceed \$13,864,400. (ETJ)	
<b>Amount and Source of Funding</b>	
Funding is available in the Fiscal Year 2018-2019 Capital Budget of Austin Water.	
<b>Purchasing Language:</b>	Lowest responsive bid of two bids received through a competitive Invitation for Bid solicitation.
<b>Prior Council Action:</b>	N/A
<b>Boards and Commission Action:</b>	December 5, 2018- To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	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 24.73% MBE and 3.31% WBE participation.

The Hornsby Bend Biosolids Management Plant receives all bio-solids generated by Austin's two regional wastewater treatment plants, Walnut Creek and South Austin Regional. These solids are treated by thickening, anaerobic digestion, dewatering, and composting. During the thickening process liquid (centrate) is separated from the solids producing a side stream. This side stream has a wastewater loading of solids, ammonia and a high biological oxygen demand (BOD) which requires further treatment.

The thickening process side stream (centrate) is treated by an existing onsite treatment plant referenced as the side stream treatment plant (SSTP). Currently the SSTP is beyond its useful life and the electrical and mechanical equipment is severely corroded and compromised. The treated side stream is then discharged into the onsite pond system. The pond system is not designed to treat a continuous high BOD loaded influent. Hence, constructing the SSTP rehabilitation project will minimize environmental impacts.

Originally constructed in the late 1960s for treating wastewater from the Bergstrom Air Force Base, the plant was converted to process and treat Hornsby Bend's side streams. Subsequently the SSTP was modified or rehabilitated in the mid-1980s and 1997. There have been no significant replacements or rehabilitation since 1997 (over 20 years).

Benefits of the project will include a significant reduction in the amount of wastewater load entering the pond system and a significant increase to process reliability resulting from replacement of corroded and aging equipment including associated electrical infrastructure. Replacing of corroded electrical systems, installing safety signs, and equipment access will also result in a safer work environment.

This item includes three allowances. One allowance of \$10,000 will be used to address Supervisory Control and Data Acquisition (SCADA) computers and equipment, another allowance of \$1,000 will be used to address permanent badge decals and badge blanks, and the other allowance of \$30,000 will be used to recalibrate and inspect existing flow meters. An allowance is an amount that is specified and included in the construction contract or specifications for certain items of work whose details are not yet determined at the time of bidding.

This contract will also include award of an alternate bid item, Secondary Clarifier No. 1 Replacement Mechanism, as the current mechanism is inoperable and will provide redundancy to the system if Secondary Clarifier No. 2 must be taken offline for repairs. An alternate bid is a specified item of the construction work that is priced separately for additional items of work that may be awarded as part of the contract if the bids come within the specified budget.

Prompt action is requested on this item to ensure the project moves into the construction phase. Failure to construct this project in a timely manner may result in over loading the Hornsby Bend's pond system, therefore potentially impacting the environment.

Due to the potential for unforeseen conditions in rehabilitating aging infrastructure, a 10% 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.

The contract allows 595 calendar days for completion of this project. This project is located within zip code 78725 (District ETJ). The project will be managed by the Public

Works Department.

Matous Construction, LTD is located in Belton, Texas.

**M/WBE Summary**

Public notice was given for this solicitation (CLMC713 Hornsby Bend Side Stream Treatment Plant (SSTP) Relief project), through the City's Vendor Connection web portal. Two bids were received and opened on October 15, 2018. Of the two bids received neither is a certified MBE/WBE. Matous Construction, LTD. submitted the lower responsive bid of two bids received including an alternate and allowances of \$329,000:

	<u>Base Bid</u>	<u>Base Bid + Allowances+Alternates</u>
Matous Construction, LTD., Belton, TX	\$12,275,000	\$12,604,000
Peabody General Contractors, Inc. Austin, TX	\$12,367,163.52	\$12,683,963.52

The contractor's choice of work methodology provides for thirty-three areas of subcontracting opportunities which are listed below. Project specific subgoals stated in the solicitation were 5.26% MBE and 1.28% WBE. Total participation estimated on base bid amount:

		<b>Base Bid:</b>	<b>\$ 12,275,000.00</b>
PRIME	NON M/WBE	\$ 4,601,243.73	37.48%
	Matous Construction, Belton, TX	\$ 4,600,973.73	
MBE TOTALS - SUBCONTRACTORS		\$ 3,035,475	24.73%
	<i>African American Subtotal</i>	\$ 35,000	0.29%
	(M/B) Lewis Clark Trucking, LLC, Austin, TX (Hauling Services)	\$ 35,000	0.29%
	<i>Hispanic Subtotal</i>	\$ 3,000,475	24.44%
	(F/H) T. Morales Company Electric & Controls, Ltd., Florence, TX (Construction and Upgrades Water Treatment Plant)	\$ 3,000,475	24.44%
WBE TOTALS - SUBCONTRACTORS		\$ 405,716	3.31%
	(F/W) Stephanie Braun Clayton LLC, Austin, TX (Photography, Construction)	\$ 8,500	0.07%
	(F/W) Liquid Waste Solutions, LLC, Buda, TX (Portable Toilets)	\$ 15,000	0.12%
	(F/NA) KLP Commercial, LLC, Round Rock, TX (Reinforcement Steel)	\$ 209,216	1.70%
	(F/W) Walker Texas Surveyors Inc, Cedar Park, TX (Survey)	\$ 5,000	0.04%
	(F/W) Terra Ecoservices LLC, Austin, TX (Environmental and Ecological Services)	\$ 9,500	0.08%

(F/H) Lewis Concrete Restoration, Buda, TX (Concrete Restoration and Services)	\$ 8,500	0.07%
F/W) Guardian Industrial Supply, LLC, Austin, TX (Circuit Breakers, Load Centers, Boxes, Panelboards)	\$ 150,000	1.22%
<b>NON MBE/WBE TOTALS - SUBCONTRACTORS</b>	<b>\$ 4,232,565.27</b>	<b>34.48%</b>
Fuquay Inc, Austin, TX (Erosion Control Services, Construction)	\$ 6,127.85	0.05%
Lone Star Paving, Austin, TX (Asphaltic Concrete Pavement)	\$ 68,684	0.56%
Penhall Company, Austin, TX (Boring, Drilling, Testing and Soundings)	\$ 8,800	0.07%
Texas Concrete Materials, Ltd, Round Rock, TX (Concrete)	\$ 129,000	1.05%
Red Dot Buildings, Athens, TX (Building and Structures)	\$ 184,115	1.50%
Viking Fence Co Ltd, Austin, TX (Fences)	\$ 9,475	0.08%
Integrity Builders Supply, LLC, Waco, TX (Metal Doors & Frames)	\$ 49,778	0.41%
SAQ Holdings dba Overhead Door Company of Austin, Austin, TX (Coiling Doors)	\$ 22,700	0.18%
Jimsco Glass & Window, Temple, TX (Windows)	\$ 3,350	0.03%
Acoustical Solutions, Richmond, VA (Acoustical Tile)	\$ 5,940	0.05%
Hartwell Environmental Corp, Tomball, TX (Aeration Equipment)	\$ 648,000	5.28%
Environmental Improvements, Inc., Buda, TX (Pumps and Pump Accessories, Clarifiers and Settlers)	\$ 795,000	6.48%
Pump Solutions, Inc., Hutto, TX (Pump and Pump Accessories)	\$ 135,000	1.10%
CC Lynch & Associates Inc, Pass Christian, MS (Water and Sewer Equipment)	\$ 25,903.42	0.21%
Ferguson Waterworks, San Antonio, TX (Pipe, Iron)	\$ 572,256	4.66%
Mid-State Insulation Company, Austin, TX (Insulation)	\$ 30,600.00	0.25%
Thermal Mechanical Contractors, Inc., Manor, TX (Heating, Air Conditioning, Vent, Install)	\$ 133,459.00	1.09%
A & Y Painting, LLC, Temple, TX (Painting)	\$ 121,722.00	0.99%
Capital Pumping, LP, Austin, TX (Concrete Equipment and Accessory Rental)	\$ 7,200.00	0.06%
Seguin Fabricators, Ltd., Sequin, TX (Miscellaneous steel)	\$ 74,200.00	0.60%
T. Morales Company Electric & Controls, Ltd., Florence, TX (Electrical)	\$ 228,000.00	1.86%
Control Panels USA, Inc., Austin, TX (Industrial & Process Control Systems)	\$ 760,000.00	6.19%
Sherman Industries Inc., Cedar Park, TX (Testing Services)	\$ 1,705.00	0.01%
Bonded Lightning Protection, Argyle, TX (Lighting Protection Systems)	\$ 211,550.00	1.72%

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 low bidder information is provided.

**SECOND BIDDER** - Peabody General Contractors, Inc., Austin, TX \$12,367,163.52  
48.71% NON M/WBE prime participation; 38.33% MBE; 26.00% WBE and 12.70% Non M/WBE subcontractor participation.

# CERTIFIED

<b>CITY OF AUSTIN</b>		PROJECT SPONSOR: AWU		BID OPENING DATE: 10/15/2018	
		BID CERTIFICATION & CONTRACT REP: MARYLOU OCHOA		TIME: 2:00P	
<b>BID TABULATION</b>		PROJECT MANAGER: JULES PARRISH		LOCATION: 505 BARTON SPRINGS RD. SUITE 1045C	
		PROJECT CONSULTANTS: CAROLLO ENGINEERS		PRICE EXPIRATION: 90 CAL. DAYS	
		DURATION: 240 CAL. DAYS		LIQUIDATED DAMAGES: \$310 P/CAL. DAY	
PROJECT: HORNSBY BEND SIDE STREAM TREATMENT PLANT (SSTP) RELIEF PROJECT				SUB ID# 3023.041	
BID INVITATION NO: CLMC713				RESPONSES: 2	
PROJECT NUMBER(S): 4570 2307 8036				ESTIMATE: \$10,248,707.00	
BIDDER(S):		MATOUS CONSTRUCTION, LTD.		PEABODY GENERAL CONTRACTORS, INC.	
LOCATION:		BELTON, TX		AUSTIN, TX	
GUARANTEE: BB-Bid Bond CC-Cashiers Check CTC-Cert. Chk.		BB		BB	
ADDENDA ACKNOWLEDGED		5		5	
BASE BID: (BASE BID INCLUDES TRENCH EXCAVATION SAFETY SYSTEMS & SPECIAL SHORING)		\$ 12,275,000.00		\$ 12,367,163.52	
ITEM	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
509S-1	750	LF	TRENCH EXCAVATION SAFETY PROECTION SYSTEMS (ALL DEPTH)	\$ 20.00	\$ 15,000.00
				\$ 5.00	\$ 3,750.00
<b>ALLOWANCES:</b>					
ALLOWANCE # 1: SCADA COMPUTERS AND EQUIPMENT			\$	10,000.00	\$ 10,000.00
ALLOWANCE # 2: PERMANENT BADGE DECALS AND BADGE BLANKS			\$	1,000.00	\$ 1,000.00
ALLOWANCE # 3: RECALIBRATION AND INSPECTION OF EXISTING FLOW METERS			\$	30,000.00	\$ 30,000.00
SUBTOTAL ALLOWANCES			\$	41,000.00	\$ 41,000.00
TOTAL BID: (INCLUDES BASE BID PLUS ALLOWANCES)			\$	12,316,000.00	\$ 12,408,163.52
ALTERNATE NO. 1: SECONDARY CLARIFIER NO. 1 REPLACEMENT MECHANISM			\$	288,000.00	\$ 275,800.00
TOTAL BID: (INCLUDES BASE BID PLUS SUBTOTAL ALLOWANCES AND ALTERNATE 1)			\$	12,604,000.00	\$ 12,683,963.52

MATHEMATICAL ERROR FOUND AND CORRECTED

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

CAPITAL CONTRACTING OFFICE  
CONTRACT PROCUREMENT DIVISION  
CITY OF AUSTIN, TX

DATE

10/24/18

## HORNSBY BEND BMP SIDE STREAM TREATMENT PLANT

2210 FM 973, AUSTIN, TX 78725

