



Water & Wastewater Commission Review and Recommendation

Commission Meeting Date:	August 8, 2018
Council Meeting Date:	August 23, 2018
Department:	Public Works
Client:	John Mitchell, Charles Celauro and Chris Chen
Agenda Item	
Authorize award and execution of a construction contract with Matous Construction , for Hornsby Bend Biosolids Management Plant Thickener Complex Rehabilitation in the amount of \$14,840,000 plus a \$1,484,000 contingency, for a total contract amount not to exceed \$16,324,000. (ETJ)	
Amount and Source of Funding	
Funding is available in the Fiscal Year 2017-2018 Capital Budget of Austin Water.	
Purchasing Language:	Lowest responsive bid of two bids received through a competitive Invitation for Bid solicitation.
Prior Council Action:	N/A
Boards and Commission Action:	August 8, 2018 - 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 19.70% MBE and 1.16% WBE participation.

The Hornsby Bend Biosolids Management Plant receives all solids generated by Austin's two regional wastewater treatment plants, Walnut Creek and South Austin Regional. These solids are treated by thickening (Thickener Complex), anaerobic digestion, then are dewatered and composted. The Thickener Complex serves as a critical treatment process between the headworks (screening) and the anaerobic digesters.

The current thickening system utilizes Gravity Belt Thickeners. These Gravity Belt Thickeners are beyond their useful life (installed in 1990) and the associated electrical infrastructure is severely corroded and compromised. This construction project replaces the Gravity Belt Thickeners with more advanced centrifuges, a high speed process that uses the force from rapid rotation of a cylindrical bowl to separate wastewater solids from liquid, to ensure long-term thickening reliability and to contain corrosive gasses and odors from the thickening process.

Major benefits resulting from this project will include a significant reduction in the amount of wash water needed, significant odor/hydrogen sulfide gas containment, a safer work environment, and a significant increase to process reliability and infrastructure stability due to the replacement of corroded and aging thickening equipment and its associated electrical infrastructure.

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 unplanned thickening equipment and/or electrical failures at the Hornsby Biosolids Management Plant impacting the facility's ability to process bio-solids.

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 1,825 calendar days for completion of this project. Although all Work is to be substantially completed within 730 Calendar Days after Notice to Proceed, final completion will be given an additional 1095 Calendar Days for centrifuge manufacturer routine maintenance/support services.

This project is located within zip code 78725 (District ETJ). The project will be managed by Public Works Department.

Matous Construction is located in Belton, Texas

M/WBE Summary

Public notice was given for this solicitation (CLMC712, Hornsby Bend Biosolids Management Plant Thickener Complex Rehabilitation), through the City's Vendor Connection web portal. Two bids were received and opened on June 7, 2018. Of the two bids received none of the firms submitting were certified MBE/WBE. Matous Construction submitted the lowest responsive bid of two bids received including an allowance of \$75,000:

	<u>Base Bid</u>	<u>Base Bid + Allowances</u>
Matous Construction, Belton, TX,	\$14,765,000	\$14,840,000
Associated Construction Partners, Boerne, TX	\$16,870,000	\$16,945,000

The contractor's choice of work methodology provides for thirty areas of subcontracting opportunities which are listed below. Project specific subgoals stated in the solicitation were 0.09 % African American; 3.66 % Hispanic; 1.11 % Native/Asian; 0.92 % WBE. Total participation estimated on base bid amount: \$14,765,000

NON M/WBE TOTAL – PRIME	\$5,425,725	36.75%
Matous Construction, Belton, TX	\$5,425,725	36.75%

MBE TOTAL – SUBCONSULTANTS	\$2,909,975	19.71%
-----------------------------------	--------------------	---------------

<u>African American Subtotal</u>	<u>\$62,175</u>	<u>0.42%</u>
(MB) Lewis Clark Trucking, LLC, Pflugerville, TX (Hauling Services)	\$19,500	0.13%
(MB) E & T Masonry, Manor, TX (Masonry)	\$42,675	0.29%

<u>Hispanic Subtotal</u>	<u>\$2,670,600</u>	<u>18.09%</u>
(MH) T. Morales Company Electric & Controls, Ltd., Austin, TX(Construction Services, Heavy; Construction, Utility/Underground, Construction and Upgrades Water Treatment Plant)	\$2,670,600	18.09%

<u>Native/Asian Subtotal</u>	<u>\$177,200</u>	<u>1.20%</u>
(MA) KLP Commercial, LLC., Round Rock, TX (Braces and Brackets, Structural)	\$117,200	0.79%
(MA) Benquest LLC, Austin, TX (Diesel Fuel)	\$60,000	0.41%

WBE TOTAL – SUBCONTRACTORS	\$171,200	1.16%
(FW) Stephanie Braun Clayton, LLC, Austin, Texas (Photography, Construction)	\$19,200	0.13%
(FW) Guardian Industrial Supply, LLC, Austin, TX (Circuit Breakers, Load Centers, Boxes, Panelboards)	\$152,000	1.03%

NON MBE/WBE TOTAL – SUBCONTRACTORS	\$6,258,100	42.38%
Veris Environmental, Limon, CO (Sludge Dewatering)	\$251,000	1.70%
Andritz Separation, Inc., Pittsburg, TX (Sewage and Waste Treating Equipment and Supplies)	\$3,464,000	23.46%
Penhall Company, Austin, TX (Boring, Drilling, Testing and Soundings)	\$75,000	0.51%
Texas Concrete Materials, Ltd., Round Rock, TX (Concrete)	\$60,000	0.41%
Ferguson Waterworks, San Antonio, TX (Pipe, Iron)	\$200,000	1.35%
ECS Environmental Solutions, Belton, TX (Odor Control Equipment)	\$235,000	1.59%
A & Y Painting, LLC, Temple, TX (Painting)	\$63,000	0.43%
T. Morales Company Electric & Controls, Ltd., Florence, TX (Electrical)	\$287,000	1.94%
Brand Safway, Austin, TX (Scaffolding Rental or Lease)	\$40,000	0.27%
Pump Solutions, Inc., Hutto, TX	\$27,500	0.19%

(Sewage and Sludge Pumps, Submersible)		
Polydyne, Inc., Riceboro, GA (Polymer Flocculants)	\$475,000	3.22%
Cline, Bradenton, FL (Aluminum Doors)	\$8,800	0.06%
Jimsco Glass & Window, Temple, TX (Windows)	\$4,000	0.03%
Superior Mason Products, LLC, Birmingham, AL (Aluminum Awnings)	\$5,400	0.04%
Ace Industries, Houston, TX (Bridge Crane)	\$151,500	1.03%
Bryant & Frey Construction Co, Manor, TX (Road Bore)	\$43,000	0.29%
Thermal Mechanical Contractors, Inc, Manor, TX (Heating, Air Conditioning, Vent, Install)	\$410,000	2.78%
Hartwell Environmental Corp, Tomball, TX (Chemical Feed Systems)	\$25,500	0.17%
Environmental Improvements, Inc., Buda, TX (Sewage and Sludge Pumps)	\$55,000	0.37%
Control Panels USA, Inc., Austin, TX (Industrial & Process Control Systems)	\$358,000	2.42%
Electric Power Systems International, Inc., Stafford, TX (Testing Services)	\$19,400	0.13%

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 – Associated Construction Partners, Boerne, TX \$16,945,000
54.4% NON M/WBE prime participation; 0.09% African American; 15.9% Hispanic; 0% Native/Asian; 1% WBE; 28.8% Non M/WBE subcontractor participation.

HORNSBY BEND BMP THICKENER COMPLEX REHABILITATION

LOCATION MAP



Certified Bid Tab

CITY OF AUSTIN		PROJECT SPONSOR: Austin Water		BID OPENING DATE: 6/7/2018	
BID TABULATION		BID CERTIFICATION & CONTRACT REP: Michelle Croft		TIME: 2:00pm	
		PROJECT MANAGER: Jules Parrish		LOCATION: 105 W. RIVERSIDE DR., Ste. 210	
		PROJECT CONSULTANTS: CP&Y, Inc.		PRICE EXPIRATION: 90 CAL. DAYS	
		DURATION: 1095 CAL. DAYS		LIQUIDATED DAMAGES: \$1500 P/CAL. DAY	
PROJECT: Hornsby Bend Biosolids Mgmt Plant Thickener Complex Rehab		SUB ID#		RESPONSES: 2	
BID INVITATION NO: CLMC712				ESTIMATE: \$14,447,090.00	
PROJECT NUMBER(S): 3164.062					
BIDDER(S):		Matous Construction		Associated Construction Partners	
LOCATION:		Belton, TX		Boerne, TX	
GUARANTEE: BB-Bid Bond CC-Cashiers Check CTC-Cert. Chk.		BB		BB	
ADDENDA ACKNOWLEDGED		Y		Y	
		AMOUNT		AMOUNT	
BASE BID:		\$14,765,000.00		\$16,870,000.00	
ALLOWANCE #1 FEB Concrete Repair		\$40,000.00		\$40,000.00	
ALLOWANCE #2 FEB Interior Coating		\$15,000.00		\$15,000.00	
ALLOWANCE #3 Unforeseen Yard Piping Accommodations		\$20,000.00		\$20,000.00	
SUBTOTAL ALLOWANCES:		\$75,000.00		\$75,000.00	
TOTAL BID (Base Bid plus subtotal Allowances):		\$14,840,000.00		\$16,945,000.00	

TRUE COPY OF BID TABULATION AS RECEIVED OR
 CORRECTED IN ACCORDANCE WITH CONDITIONS
 GOVERNING PROPOSALS. *[Signature]* 7/18/2018
 CAPITAL CONTRACTING OFFICE
 CONTRACT PROCUREMENT DIVISION
 CITY OF AUSTIN, TX