



Water & Wastewater Commission Review and Recommendation

Commission Meeting Date:	January 12, 2022	COA Strategic Direction:	Safety, Health and Environment
Council Meeting Date:	January 27, 2022		
Department:	Financial Services Department		
Client:	Shay Ralls Roalson		
Agenda Item			
Recommend approval to award and execute a construction contract with Matous Construction, Ltd., for the Hornsby Bend Biosolids Management Plant Centrifuges project in the amount of \$11,136,000 plus a \$1,113,600 contingency, for a total contract amount not to exceed \$12,249,600. (ETJ)			
Amount and Source of Funding			
Funding is available in the Fiscal Year 2021-2022 Capital Budget of Austin Water.			
Purchasing Language:	Lowest responsive bid of one bid received through a competitive Invitation for Bid solicitation.		
Prior Council Action:	N/A		
Boards and Commission Action:	January 12, 2022 — 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 35.63% MBE and 0.32% WBE participation.		

The Hornsby Bend Biosolids Management Plant (HBBMP) receives all the biosolids (wastewater sludge) generated by Austin's two regional wastewater treatment plants. At the HBBMP, the incoming biosolids require thickening before further processing (anaerobic digestion, dewatering, and composting). The current thickening system utilizes gravity belt thickeners and newly installed centrifuges. The gravity belt thickeners are either non-operational due to age and corrosion (installed in 1990) or are temporary (exterior system exposed to weather).

This project replaces the remaining gravity belt thickeners with new centrifuges, thereby increasing the reliability of the thickening system. Additional benefits of the project include a reduction in process water usage, and a reduction in the production of odors and corrosive gasses, making for more efficient treatment, and a safer working environment.

This item includes six allowances. An allowance of \$20,000 will be used to address the disassembly of the temporary thickening system. An allowance of \$15,000 will be used to address the unforeseen underground appurtenances. An allowance of \$20,000 will be used to address any unforeseen conditions in the non-potable water system. An allowance of \$10,000 will be used to address the conditions of the non-potable water system metering. An allowance of \$12,000 will be used to address the thickener complex process area heaters. An allowance of \$40,000 will be used to address any adjustments to the electrical design. An allowance is an amount that is specified and included in the construction contract or specifications for a certain item(s) of work whose details are not yet determined at the time of bidding.

This contract will include award of two alternate bid items for sludge removal from the flow equalization basin and a thorough cleaning of the interior of the thickener complex process area. An alternate bid is a specified item of the construction work that is priced separately and may be awarded as part of the contract if the bids come within the specified budget.

Staff held a mandatory pre-bid meeting and five prime contractors attended. After bid opening, staff interviewed contractors that attended the pre-bid meeting but did not submit bids. Reasons provided for not bidding included scheduling conflicts with other bids, and resource allocation challenges given other ongoing projects.

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. By authorizing the additional contingency funding, Council is authorizing any change orders within the contingency amount.

There will not be direct public impact because all work will be on City property (HBBMP) that is not open to the public.

Failure to construct this project in a timely manner may result in thickening equipment failure at the Hornsby Bend Biosolids Management Plant. Failure to thicken wastewater biosolids could impact other treatment processes and result in the creation of excessive odors and the necessity to store potentially large volumes of untreated sewage adjacent to the Colorado River.

The contract allows 550 calendar days for completion of this project. This project is located within zip code 78725 (ETJ).

Matous Construction, Ltd. is located in Belton, Texas.

M/WBE Summary

Public notice was given for this solicitation, CLMC872 Hornsby Bend Biosolids Management Plant Centrifuges project, through the City's Vendor Connection web portal. One bid was received and opened on October 14, 2021. The one bid received was not from a certified MBE/WBE firm. Matous Construction, Ltd. submitted the only responsive bid including allowances and alternates:

	<u>Base Bid</u>	<u>Base Bid Base Bid + Allowances + Alternates</u>
Matous Construction, Ltd., Belton, TX	\$9,989,000	\$11,136,000

The contractor's choice of work methodology provides for seven areas of contracting opportunities which are listed below. Participation goals stated in the solicitation were 0.33% African American; 3.55% Hispanic; 0.84 % Native/Asian; and 0.28 WBE. Total participation is estimated on the base bid amount:

		Base Bid: \$	9,989,000.00	
PRIME	NON M/WBE TOTAL	\$	3,006,792.00	30.10%
Matous Construction, Ltd. Belton, TX				
MBE TOTALS - SUBCONTRACTORS		\$	3,559,500.00	35.63%
<i>African American Subtotal</i>		\$	61,000.00	0.61%
(MB) Unism Development Co. Inc., Austin, TX (Valve operators, accessories, parts and tools)		\$	60,000.00	0.60%
(MB) Lewis Clark Trucking, LLC, Austin, TX (Hauling services)		\$	1,000.00	0.01%
Hispanic Subtotal		\$	3,346,500.00	33.50%
(FH) T Morales Company Electric & Controls, Ltd., Florence, TX (Construction and upgrades, wastewater treatment plant)		\$	3,346,500.00	33.50%
Native/Asian American Subtotal		\$	152,000.00	1.52%
(MN) Shah Systems and Technology Corporation, Austin, TX (Switchgears and parts, metal clad)		\$	152,000.00	1.52%
WBE TOTALS - SUBCONTRACTORS		\$	31,700.00	0.32%
(FW) Stephanie Braun Clayton, LLC, Austin, TX (Photography, construction)		\$	15,700.00	0.16%
(FW) Liquid Waste Solutions, LLC, Buda, TX (Toilets, portable, rental or lease)		\$	11,000.00	0.11%
(FW) Champion Fuel Solutions, Bedford, TX (Fuel oil, diesel)		\$	5,000.00	0.05%
NON MBE/WBE TOTALS - SUBCONTRACTORS		\$	3,391,008.00	33.95%
Tesco Controls, Inc., Sacramento, CA (Industrial & process control system)		\$	125,500.00	1.26%

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

HORNSBY BEND BMP CENTRIFUGES LOCATION MAP

