



## AGENDA MEMORANDUM

Action Item for the City Council Meeting of April 16, 2024

**DATE:** April 16, 2024

**TO:** Peter Zaroni, City Manager

**FROM:** Jeff H. Edmonds, P.E., Director of Engineering Services  
[jeffrey@cctexas.com](mailto:jeffrey@cctexas.com)  
(361) 826-3851

Wesley Nebgen, Director of Water System Infrastructure  
[wesleyN@cctexas.com](mailto:wesleyN@cctexas.com)  
(361) 826-3111

Josh Chronley, CTCD, Assistant Director of Finance & Procurement  
[joshc2@cctexas.com](mailto:joshc2@cctexas.com)  
(361) 826-3169

<b><u>Construction Contract Award</u></b> <b>Broadway Wastewater Treatment Plant Rehabilitation</b>
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**CAPTION:**

Motion authorizing a construction contract to Associated Construction Partners, Ltd., Boerne, Texas, for the Broadway Wastewater Treatment Plant Rehabilitation project in an amount of \$13,484,305.00 for the Total Base Bid Plus Additive Alternate No. 1, located in Council District 1, with FY 2024 funding available from the Wastewater Capital Fund.

**SUMMARY:**

This motion approves a construction contract for the Broadway Wastewater Treatment Plant (WWTP) Rehabilitation project. The project provides for the replacement of equipment and piping, installation of a new odor control system at site's lift station, new septage hauler receiving station, and structural repairs to the aeration basins and headworks.

**BACKGROUND AND FINDINGS:**

The Broadway WWTP is a conventional activated sludge plant. Secondary treatment at the plant consists of aeration basins and clarifiers which is then followed by ultraviolet (UV) disinfection. This plant was designed for an annual average flow rate of 8 million gallons per day (MGD) and a two-hour peak flow of 40 MGD. The upgrades to this plant was originally planned in two Phases which were to be completed in 2016. However, due to the poor performance of the Phase I contractor and resulting litigation the start of Phase II was delayed. Additional work is also required to fully complete Phase I of this project. Phase II includes the third clarifier and other upgrades

and is currently at a 90% design status.

This construction contract is to specifically address the construction deficiencies from the former contractor with the following critical repairs for the Broadway WWTP:

- Provide additional support system for Aeration Basin such as install construction joint sealant system, replace existing drain system, and repair/replace fine-bubble aeration diffuser piping.
- Construct new septage receiving station by Aeration Basin and demolish existing septage receiving unloading area.
- Upgrade and reprogram the programmable logic controllers (PLCs) for the aeration basin blower control system.
- Demolish existing odor control system for Resaca Lift Station and install new biological tower-type odor control.
- Demolish, modify, and replace portions of the PLC system at Resaca Lift Station electrical building.
- Demolish and replace instrumentation at Resaca Lift Station.
- Rehabilitate and replace existing equipment and coat effluent splitter box channels at Headworks area.
- Replace clarifier equipment at Secondary Clarifiers No. 1 and 2.
- Replace four existing return activated sludge (RAS) pumps.
- Add drain piping at Aerated Sludge Basins.
- Upgrade generator PLC system.

**PROJECT TIMELINE:**

2020 - 2023	2023 - 2024					2024 - 2025
August - November	D	J	F	M	A	May - October
Design	Bid/Award					Construction

Project schedule reflects City Council award in April 2024 with anticipated completion in October 2025.

**COMPETITIVE SOLICITATION PROCESS**

The Contracts and Procurement Department issued a Request for Bids. On February 28, 2024, the City received bids from three bidders. The City analyzed the bids in accordance with the contract documents and determined Associated Construction Partners, Ltd. is the lowest responsive and responsible bidder.

A summary of the bids is provided below:

<b>BID SUMMARY</b>			
<b>CONTRACTOR</b>	<b>BASE BID</b>	<b>ADD. ALT. NO. 1</b>	<b>BASE BID PLUS ADD. ALT. NO. 1</b>
<b>Associated Construction Partners, Ltd.</b>	<b>\$11,034,305.00</b>	<b>\$2,450,000.00</b>	<b>\$13,484,305.00</b>
CSA Construction, Inc.	\$12,788,000.00	\$2,428,000.00	\$15,216,000.00
Keeley Construction	\$12,974,800.00	\$3,437,000.00	\$16,411,800.00
<b><i>Engineer's Opinion of Probable Construction Cost</i></b>	<b>\$13,500,000.00</b>	<b>\$3,657,000.00</b>	<b>\$17,157,000.00</b>

Associated Construction Partners, Ltd., has successfully completed numerous City utility projects including Laguna Madre WWTP Rehabilitation, McBride Lift Station and Force Main Improvements, Holly and Rand Morgan Elevated Storage Tanks Implementation, Everhart Staples Lift Station, and Greenwood WWTP Headworks and Grit Rehab.

**ALTERNATIVES:**

The alternative is not to award the construction contract to the low bidder, Associated Construction Partners, Ltd. This would delay improvements and result in more costly maintenance in the future. The City would have increased exposure to TCEQ permit violations and fees if the contract is not awarded.

**FISCAL IMPACT:**

The fiscal impact for the FY 2024 is an amount of \$13,484,305.00 with funding available from the Wastewater Capital Fund.

**FUNDING DETAIL:**

Fund: WWWCP RR 032950 2023 (Fund 4260)  
 Department: Wastewater (46)  
 Organization: Grants & Capital Projects Funds (89)  
 Project: Broadway Wastewater Treatment Plant Rehabilitation (Project No. 18084A)  
 Account: Construction (550910)  
 Activity: 18084-A-4260-EXP  
 Amount: \$13,484,305

Year 1 (FY2024): \$7,500,000  
Year 2 (FY2025): \$5,984,305  
Total: \$13,484,305

**RECOMMENDATION:**

Staff recommends awarding the construction contract for the Broadway Wastewater Treatment Plant Rehabilitation project to Associated Construction Partners, Ltd., in the amount of \$13,484,305.00. The construction duration is planned for 17 months from issuance of the Notice to Proceed to begin construction in May 2024.

**LIST OF SUPPORTING DOCUMENTS:**

Bid Tab  
CIP Page  
Location and Vicinity Map  
PowerPoint Presentation