



AGENDA MEMORANDUM

Action Item for the City Council Meeting of August 16, 2022

DATE: August 16, 2022

TO: Peter Zaroni, City Manager

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<p style="text-align: center;"><u>Construction Contract Award</u> Elevated Water Storage Tanks ACR Implementation Phase 3</p>

CAPTION:

Motion awarding a construction contract to Landmark Structures I, LP, Fort Worth, Texas, for Elevated Water Storage Tanks ACR Implementation Phase 3 project in an amount of \$13,372,000.00 located in Council District 4, with FY 2022 funding available from the Water Capital Fund.

SUMMARY:

This motion awards a construction contract for the Elevated Water Storage Tanks ACR Implementation Phase 3 project. The project provides for the construction and painting of a composite type 3.0 MG water elevated storage tank (EST). The project will be in the Flour Bluff area of the City at the northwest site of Flour Bluff Drive and Division Road intersection.

BACKGROUND AND FINDINGS:

The existing Elevated Storage Tanks (EST) located at Pressure Zone 1 (mainland area from O.N. Stevens Water Treatment Plant to Laguna Madre) have inadequate volume and elevation to meet minimum storage requirements as defined by Texas Commission on Environmental Quality (TCEQ). Measures such as the implementation of generators at the City's pump stations and four (4) new elevated storage tanks (ESTs) within the systems will be needed for the city of Corpus Christi to meet TCEQ's storage requirements.

The purpose of this project is to increase elevated storage capacity, increase pressures in Pressure Zone 1, and minimize water age. Recently, it was determined by the City that there is a

significant amount of weak pipe in the distribution system that are unable to handle the higher pressure produced by the new ESTs. As a result, the City is implementing pumping systems and pressure reducing valves at each of the new elevated storage tanks, including the 3.0 MG EST proposed in this project, to allow the ESTs to be utilized and buy the City time to rehabilitate the weak distribution piping.

This project will include erection and installation of foundation, pedestal and tank, piping, valving, pumps, electrical service, controls and instrumentation, SCADA and integration, backup power generation, site grading, utility improvements, access road, and security fencing.

PROJECT TIMELINE:

2020-2022	2022			2022-2024
February - May	J	J	A	September - March
Design	Bid/Award			Construction

Project schedule reflects City Council award in August 2022 with anticipated completion in March 2024.

COMPETITIVE SOLICITATION PROCESS

The Contracts and Procurement Department issued a Request for Bids. On July 13, 2022, the city received bids from two bidders. The City analyzed the bids in accordance with the contract documents and determined Landmark Structures I, LP as the lowest responsive and responsible bidder. A summary of the bids is provided below:

BID SUMMARY	
CONTRACTOR	BASE BID
Landmark Structures I, LP	\$13,372,000.00
CB&I Storage Tank Solutions LLC	\$15,358,000.37
<i>Engineer's Opinion of Probable Construction Cost</i>	<i>\$11,834,900.00</i>

Landmark Structures I, LP, has successfully completed numerous projects including Padre Island Elevated Water Storage Tank for the City of Corpus Christi. Landmark Structures I, LP, has also successfully completed numerous elevated water tank projects in Texas and other States.

ALTERNATIVES:

City Council could choose not to award the construction contract to Landmark Structures I, LP. This would delay the implementation of systems needed to meet TCEQ's requirements. It would also impact the City's ability to comply with the ACR Implementation Plan timeline potentially resulting in TCEQ fines.

FISCAL IMPACT:

The fiscal impact for the FY 2022 is an amount of \$13,372,000.00 with funding available from the Water Capital Fund.

FUNDING DETAIL:

Fund: **Water 2023 CIP (Fund 4486)**
Mission Elem: 041 (LINDistrWtr)
Project: Elevated Water Storage Tanks ACR Implementation Phase 3 (Project E16290)
Account: Construction (550910)
Activity: E16290-01-4486-EXP
Amount: \$13,372,000

Year 1 (FY2022): \$ 5,500,000

Year 2 (FY2023): \$ 5,000,000

Year 3 (FY2024): \$ 2,872,000

Total: \$13,372,000

RECOMMENDATION:

Staff recommends awarding the construction contract for the Elevated Water Storage Tanks ACR Implementation Phase 3 project to Landmark Structures I, LP in the amount of \$13,372,000.00. The construction duration is planned for 18 months from issuance of the Notice to Proceed to begin construction in September 2022.

LIST OF SUPPORTING DOCUMENTS:

Location and Vicinity Map
Bid Tab
CIP Page
PowerPoint Presentation