



AGENDA MEMORANDUM

Action Item for the City Council Meeting of August 17, 2021

DATE: August 17, 2021

TO: Peter Zaroni, City Manager

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

Kevin Norton, Director of Utilities
kevinn@cctexas.com
(361) 826-1874

Heather Hurlbert, Director of Finance & Business Analysis
Heatherh3@cctexas.com
(361) 826-3227

<p style="text-align: center;"><u>Construction Contract Award</u> Coral Vines Elevated Storage Tank Coating Restoration and Rehabilitation</p>
--

CAPTION:

Motion awarding a construction contract to Viking Industrial Painting, Omaha, Nebraska, for the restoration and rehabilitation of the Coral Vines Elevated Storage Tank, located in Council District 4, in an amount of \$540,200.00, with FY 2021 funding available from the Water Fund.

SUMMARY:

This motion approves a construction contract for the restoration and rehabilitation of the Coral Vines Elevated Storage Tank (EST). The construction will include complete exterior rehabilitation of the EST, interior spot repairs, corrosion related general repairs, sediment removal and cleaning. Complete containment of the tank will also be provided, with hydropneumatics tanks acting as alternate storage for the duration of time that the EST is offline for this project.

BACKGROUND AND FINDINGS:

The City of Corpus Christi owns and operates seven ESTs, five of which are in operation. The active 1.5-million-gallon Coral Vines EST was constructed in 2010 and is located on North Padre Island. In 2019, the City conducted an inspection report and determined that the current conditions of the Coral Vines EST interior and exterior require restoration and rehabilitation to bring the tank back to serviceable conditions in accordance with Industry Standards set forth by the Texas Commission on Environmental Quality, American Water Works Association, National Sanitation Foundation, American National Standards Institute and other regulatory entities.

The EST exterior is experiencing chalking, rust, and corrosion due to failed protective coating from UV sunlight and weather. Additionally, the coating has started to delaminate and flake off along the roof hand-railing and antenna mounts. The exterior coating is over 10 years old and is estimated to have reached its full protective life. There has been no restoration or rehabilitation efforts completed since its installation. Complete exterior coating rehabilitation of the EST is projected to extend the life approximately 15 to 20 years. The coating is less than acceptable for spot repairs and requires a complete coating rehabilitation.

The EST interior coating is experiencing general crevice corrosion and roof penetrations at the roof vents. The interior coating is exhibiting normal surface protection to the underlying steel substrate. However, the interior is over 10 years old and is estimated to have a minimum of five years of protective life remaining. The 2019 inspection determined that complete interior coating rehabilitation was not necessary. Spot repair to the interior will extend the life to approximately 10 years.

The Coral Vines EST is currently holding approximately 690,000 gallons of water that will be diverted to holding tanks during the interior and exterior rehabilitation project period.

The project scope of work includes the listed below critical restoration and rehabilitation of the Coral Vines EST:

- Complete exterior coating rehabilitation of the EST, interior spot repairs, corrosion related general repairs, sediment removal and cleaning.
- Clean, prime, stripe coat and coat the exterior of the Coral Vines EST
- Clean, prime, and spot repair the interior of the Coral Vines EST
- Provide and tie in hydropneumatics tanks (of approximately 50,000 gallons capacity) at different locations in the distribution system to serve as alternate storage to the Coral Vines EST while it is out of service
- Perform general repairs on the tank including grinding, welding, replacement of vent screen and repairs to corroded surfaces
- Perform epoxy surfacing and or seam sealing work to seams and areas
- Provide containment for the EST for the duration of work
- Dehumidify the interior of the tank during surface preparation and coating including hoses, filters, etc.

PROJECT TIMELINE:

2021							2022
J	J	A	S	O	N	D	J
Bid/Award			Construction				

Project schedule reflects City Council award in August 2021 with anticipated completion in January 2022.

COMPETITIVE SOLICITATION PROCESS

The Contracts and Procurement Department issued a Request for Bids. On June 30, 2021, the City received bids from eight bidders. The City analyzed the bids in accordance with the contract documents and determined Viking Industrial Painting is the lowest responsive and responsible bidder.

CONTRACTOR	BASE BID
Viking Industrial Painting	\$540,200.00
Tank Pro, Inc.	\$588,027.00
Classic Protective Coatings, Inc.	\$631,475.00
A&M Construction and Utilities	\$638,000.00
D&M Tank, LLC.	\$677,100.00
NG Painting, LP	\$837,000.00
M.K. Painting, Inc.	\$956,000.00
TMI Coatings, Inc.	\$1,194,000.00
<i>Engineer's Opinion of Probable Construction Cost</i>	\$790,000.00

Viking Industrial Painting has successfully completed a sufficient number of projects demonstrating compliance with the experience requirements of the contract documents. These requirements consisted of five tank rehabilitation and restoration projects completed within the past five years that were greater than one million gallons, and five similar projects within 100 miles of the Gulf Coast (City of Seabrook, City of Port Neches, City of Bunker Hill Village, City of Pharr, and the Clearlake City Water Authority). Viking Industrial Painting has completed eight rehabilitation projects with tanks over a one-million-gallon capacity. This is the first time they will be working for the City of Corpus Christi.

ALTERNATIVES:

The alternative is to not award the construction contract to the low-bidder, Viking Industrial Painting. This would delay improvements to the Coral Vines Elevated Storage Tank and increase the construction price by a minimum of \$47,827.00.

FISCAL IMPACT:

The fiscal impact for FY 2021 is an amount of \$540,200.00 with funding available from the Water Fund.

FUNDING DETAIL:

Fund: **Water Fund 4010 (Fund 4010)**
Mission Elem: Water Treatment (062)
Organization: Stevens Filter Plant (31010)
Project: Coral Vines Elevated Storage Tank Coating Restoration & Rehabilitation

(Project E13031)
Account: Maintenance & Repairs - Contracted (530215)
Activity: E13031-01-4010-EXP
Amount \$540,200.00

RECOMMENDATION:

Staff recommends awarding a construction contract for the Coral Vines EST Coating and Rehabilitation to Viking Industrial Painting, in the amount of \$540,200.00. The construction duration is planned for five months from issuance of the Notice to Proceed with construction starting in September 2021.

LIST OF SUPPORTING DOCUMENTS:

Location and Vicinity Map
Bid Tab