



**AGENDA MEMORANDUM**

Action Item for the City Council Meeting of October 29, 2019

**DATE:** October 11, 2019

**TO:** Peter Zanoni, City Manager

**THRU:** Mark Van Vleck, Assistant City Manager  
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**FROM:** Jeff H. Edmonds, P. E., Director of Engineering Services  
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<p style="text-align: center;"><b><u>Construction Contract</u></b> Whitecap Wastewater Treatment Plant Emissions/Odor Control and Bulkhead Rehabilitation</p>
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**CAPTION:**

Motion authorizing a contract with J.S. Haren Company of Athens, Tennessee for the Whitecap Wastewater Treatment Plant (WWTP) Emissions/Odor Control and Bulkhead Rehabilitation project in the amount of \$1,916,000, to rehabilitate the emission/odor control system and repair the bulkhead. The project is located in City Council District No. 4. The contract will proceed upon the issuance of a notice to proceed and funding is approved and available through the Wastewater Capital Improvement Program (CIP) Budget.

**SUMMARY:**

This motion awards a single construction contract for the WWTP Emissions/Odor Control and Bulkhead Rehabilitation Project for \$1,916,000. This project is necessary to repair the concrete bulkhead surrounding the wastewater treatment plant and the rehabilitation of the emission/odor control system inside the plant.

**BACKGROUND AND FINDINGS:**

The Whitecap WWTP provides wastewater treatment service for City customers located on Padre Island. The original plant had 0.5 million gallons per day (MGD) capacity and has been expanded over the years to 2.5 MGD capacity due to growth on the island. The existing odor control unit has exceeded its useful life. The existing unit employs chemicals for treatment, and the new odor control units will use a more efficient, biological process.

Currently there is approximately 2,830 linear feet of concrete marine bulkhead surrounding the

Whitecap WWTP site. Portions of this bulkhead are showing signs of deterioration and in some cases the early stages of structural failure, possibly due to excessive wave action caused by adjacent boat traffic exceeding the posted no wake speed. The concrete sheet pile wall has isolated deterioration with about 70% of joints open. The concrete cap bulkhead has cracks, spalls, and spalls with exposed rebar. Approximately 50% of the expansion joints have cracks and spalls.

The project scope is summarized below:

**Base Bid Part 1: Odor Control System**

- Demolition of existing unit
- Reroute existing lines
- Modification of existing ductwork, utilities and yard piping
- Installation of new odor control system

**Base Bid Part 2: Bulkhead Rehabilitation**

- Remove and replace chain link fence
- Install vinyl box sheet pile and concrete pile cap, wood deck, and walkway
- Grading area and concrete point repairs

**PROJECT TIMELINE:**

<b>2019</b>			<b>2020</b>				
<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>
<b>Award</b>			<b>Construction</b>				

**COMPETITIVE SOLICITATION PROCESS:**

On August 28, 2019 the City received a total of seven (7) bids for the project. Three (3) bids were for Base Bid Part 1 and four (4) bids were for Base Bid Part 2. This project includes the installation of new odor control system and rehabilitation of an existing bulkhead. There were three bidders for the Base Bid Part 1, and four bidders for the Base Bid Part 2. J.S. Haren Company satisfied the bid requirements and submitted the lowest bid for both Base Bid Part 1 and Base Bid Part 2 as seen below:

<b>BID SUMMARY – BASE BID PART 1</b>	
<b>CONTRACTOR</b>	<b>BID AMOUNT</b>
<b>J.S. Haren Company Athens, Tennessee</b>	<b>\$369,000</b>
Associated Construction Partners Ltd. Boerne, Texas	\$428,800
DMB Construction, LLC Corpus Christi, Texas	\$440,783
<b><i>Engineer's Opinion of Probable Cost</i></b>	<b><i>\$400,000</i></b>

<b>BID SUMMARY – BASE BID PART 2</b>	
<b>CONTRACTOR</b>	<b>BID AMOUNT</b>
<b>J.S. Haren Company Athens, Tennessee</b>	<b>\$1,547,000</b>
Shirley and Sons Construction Company Cleveland, Texas	\$1,628,301
Associated Construction Partners Ltd. Boerne, Texas	\$1,881,250
Derrick Construction Company Rockport, Texas	\$2,205,905.38
<b><i>Engineer's Opinion of Probable Cost</i></b>	<b><i>\$1,850,000</i></b>

**ALTERNATIVES:**

An alternative to accepting the low bid would be to reject all bids and request the project be re-bid. The bid from J.S. Haren is responsive and within budget. In addition, not awarding the construction contract to the low bidder, J.S. Haren Company will delay upgrades to the odor controls and will allow increased deterioration and failure of the bulkhead system.

**FINANCIAL IMPACT:**

This item will award a Construction Contract for Base Bid Part 1 in the amount of \$369,000 and Base Bid Part 2 in the amount of \$1,547,000 for a total construction contract amount of \$1,916,000 to J.S. Haren Company of Athens, Tennessee for the Whitecap Wastewater Treatment Plant Emission/Odor Control and Bulkhead Rehabilitation Project. This project is located in City Council District 4, and the contract will begin upon issuance of Notice to Proceed. Funding for this project is available in Fund 4510 Wastewater Capital Reserves.

**FUNDING DETAIL:**

Fund: **Wastewater Capital Reserve (Fund 4510)**  
Mission Elem: Wastewater Collection System (042)  
Project No.: Whitecap WWTP Emission/Odor Control and Bulkhead Rehabilitation (19037A)  
Account: Construction  
Activity: 19037-A-4510-EXP

**RECOMMENDATION:**

Staff recommends awarding to the lowest bidder, J.S. Haren Company of Athens, Tennessee in the amount of \$1,916,000.

**LIST OF SUPPORTING DOCUMENTS:**

Location Maps  
Bid Tabs