



## AGENDA MEMORANDUM

Future Item for the City Council Meeting of December 9, 2014  
Action Item for the City Council Meeting of December 16, 2014

**DATE:** November 6, 2014

**TO:** Ronald L. Olson, City Manager

**THRU:** Gustavo Gonzalez, P.E., Assistant City Manager, Public Works and Utilities  
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**FROM:** Valerie H. Gray, P.E., Interim Executive Director, Public Works  
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### **Engineering Construction Contract**

Old Broadway Wastewater Treatment Plant Decommissioning  
Trickling Filter Media Removal

### **CAPTION:**

Motion authorizing the City Manager or designee to execute a construction contract with J.S. Haren Company of Athens, Tennessee in the amount of \$1,024,000 for the Old Broadway Wastewater Treatment Plant Decommissioning Trickling Filter Media Removal Re-bid for the Base Bid.

### **PURPOSE:**

The purpose of this agenda item is to obtain authority to execute a construction contract for the Old Broadway Wastewater Treatment Plant Decommissioning Trickling Filter Media Removal Re-bid for the Base Bid.

### **BACKGROUND AND FINDINGS:**

Freese and Nichols, Inc. (FNI), the Consultant Engineer, accomplished a Technical Memorandum for the Old Broadway Wastewater Treatment Plant (WWTP) Decommissioning Project (E12159). In this memorandum, FNI recommended construction and decommissioning steps that would require removal of trickling filter and solids media from the Old Broadway WWTP. These steps are necessary in order to continue with the plant decommissioning process that includes site sampling of soils and the interior of structures. Subsequently, the Texas Commission on Environmental Quality (TCEQ) will provide approval through the closure plan of decommissioning the Old Broadway WWTP.

FNI prepared the bidding documents and originally bid the project in April 2014. However, in the first bid opening for the Old Broadway WWTP Decommissioning Project, only one bidder submitted and the amount was approximately one million dollars higher than the engineer's opinion of probable construction cost (OPCC). Then, the following modifications were made to the project in an attempt to simplify the scope of construction work and to entice more competition from local Corpus Christi contractors.

- Removal of the recirculation pumping scope;
- Modify project scope of work to include only media removal and decommissioning of the following structures:
  - ✓ Standard Rate Trickling Filters No. 1-4
  - ✓ High Rate Trickling Filters No. 1-2
  - ✓ Return Flows Reconditioner
- Modify the title of the project to "Broadway WWTP Trickling Filter Media Removal"; and,
- Modify the 01 35 00 Special Procedures and 02 41 01 Basin Decommissioning specifications to allow demolition of a portion of the side walls for easier access of equipment in/out of structures.

After incorporating these design changes, the project was re-bid on September 10, 2014. Although many local and state contractors were notified by FNI about the project during bid phase, only one bidder submitted during this time in the amount of \$1,024,000. FNI recommended that the City of Corpus Christi award the contract to the responsible bidder, J.S. Haren Company.

This construction contract will be the first phase of Old Broadway WWTP Decommissioning. Future work will include site sampling and closure of the Old Broadway WWTP through TCEQ. Potential additional future work includes demo of the remaining facilities, site grading, and aesthetic improvements to "blend in as a "good neighbor" within the locale. Upon completion of the demolition of the existing plant it will be available for economic purposes or future new plant expansion.

The Contractor, J.S. Haren Company, will perform work necessary to remove all filter media, grit, and debris in the trickling filters and return flows reconditioner and grit removal wetwell at the Old Broadway Wastewater Treatment Plant. Measures will be in place to minimize the development of odors. Work shall include:

- Installation of odor monitors at designated locations around treatment site to monitor odor levels throughout the project;
- Rental and installation/maintenance of Odor Remediation Fans around each trickling filter during media removal;
- Equipment removal, rock media removal, basin cleaning, and dewatering of the four (4) standard rate trickling filters and two (2) high rate trickling filters as well as their respective distribution boxes (2);
- Grit and debris removal, basin cleaning, and dewatering of return flows reconditioner and grit removal wetwell; and
- Removal and loading of headworks bar screen and two (2) grit screws for salvage and transport by CITY.

On September 10, 2014, the City received a proposal from one (1) bidder and the respective bid is as follows:

| <b>Contractor</b>                | <b>Base Bid</b> |
|----------------------------------|-----------------|
| J.S. Haren Company<br>Athens, TN | \$1,024,000.00  |

FNI conducted a bid analysis of the proposal the City received. The Engineer's Opinion of Probable Construction Cost (OPCC) is \$916,000. This bid was approximately one hundred thousand dollars higher than the engineer's OPCC. FNI recommended that the City of Corpus Christi award the contract to J.S. Haren Company despite the bid amount being higher than the estimate. FNI attributes the increased bid amount to a non-competitive bid environment for the media removal project.

**ALTERNATIVES:**

1. Authorize the execution of the construction contract.
2. Do not authorize the execution of the construction contract. (Not Recommended)

**OTHER CONSIDERATIONS:**

In November 2012, the City awarded FNI a professional services contract for \$590,887 to decommission the Old Broadway Wastewater Treatment Plant in accordance with TECQ requirements before it is converted to other uses. That contract includes several initiatives: (1) Wastewater Treatment Plant Closure Plan; (2) Site Investigation for Closure; (3) Final Closure Report; (4) Odor Mitigation Contract; (5) Decommissioning Letter Report; and (6) Additional Services.

The design efforts associated with this construction is within (4) Odor Mitigation Contract (\$224,728) which includes a detailed technical memorandum, preparation of design documents and bidding documents for this project as well as general representative during the construction phase.

The first bid opening in April for the Broadway WWTP Decommissioning Project only received one proposal with an amount approximately one million dollars higher than the engineer's OPCC. The Capital Programs Department rejected that bid, and the project was re-bid on September 10, 2014 with some modifications in the scope of work. The design engineer contacted more than fifteen contactors during the bidding phase to increase project interest. However, only one bid was received on September 10, 2014.

After reviewing the qualifications submitted in accordance with the contract documents, FNI concluded that J.S. Haren Company has the experience and resources to complete the project.

**CONFORMITY TO CITY POLICY:**

Conforms to City Fiscal Policy

**EMERGENCY / NON-EMERGENCY:**

Non-Emergency

**DEPARTMENTAL CLEARANCES:**

Utilities Department

**FINANCIAL IMPACT:**

Operating     Revenue     Capital     Not applicable

| <b>Fiscal Year<br/>2014-2015</b>                   | <b>Project to<br/>Date<br/>Expenditures</b> | <b>Current Year</b> | <b>Future Years</b> | <b>TOTALS</b>  |
|--|---|---------------------|---------------------|----------------|
| Line Item Budget                                   | \$640,837.00                                | \$3,966,163.00      | \$4,500,000.00      | \$9,107,000.00 |
| Encumbered /<br>Expended Amount                    | \$640,837.00                                |                     |                     | \$640,837.00   |
| This Item  |   | \$1,024,000.00      |                     | \$1,024,000.00 |
| Future Anticipated<br>Expenditures This<br>Project |   | \$2,942,163.00      | \$2,287,237.00      | \$5,229,400.00 |
| BALANCE  | \$0.00                                      | \$0.00              | \$2,212,763.00      | \$2,212,763.00 |

Fund(s): Wastewater CIP #18

**Comments:** This project requires approximately 365 calendar days with anticipated completion December 2015. The construction contract will result in the expenditure of an amount not to exceed \$1,024,000.

**RECOMMENDATION:**

City Staff recommends approval of the construction contract with J.S. Haren Company of Athens, Tennessee in the amount of \$1,024,000 for the Old Broadway Wastewater Treatment Plant Decommissioning Trickling Filter Media Removal Re-bid for the Base Bid.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Presentation