

# Memo



To: Clay Pearson, City Manager  
From: Mahogany Isabell, Project Manager  
CC: Trent Epperson, Assistant City Manager  
Robert D. Upton, P.E., Director of Engineering  
Clarence Wittwer, Director of Public Works  
David Van Riper, Assistant Director of Public Works  
Skipper Jones, Assistant Director of Capital Construction  
Date: August 8, 2019  
Re: Pre-Award for Bailey Water Plant Improvements

8/8/2019  
To: Mayor and City Council members  
Advisory on forthcoming construction award for consideration, replacement water tank on Bailey Road east of our Recreation Center and Natatorium. Clay

## Purpose

This memo provides information about the progress on the Bailey Water Plant Improvements project and the forthcoming proposed award of a contract for construction of a 1 million gallon (MG) pre-stressed concrete ground storage tank. This contract is scheduled for presentation to Council on the August 26, 2019 Agenda.

## Background

The original Bailey GST was built in 2004 and was on the list of GSTs due for rehabilitation. In 2018 this tank was overfilled and structurally damaged, after which the tank was decommissioned, drained, and removed from of service. The Ardurra Group completed a structural inspection report that noted that tank repairs would cost approximately \$1 million dollars. The cost of repairs was determined to be approximately 65% of the cost to construct a new pre-cast concrete tank on that site. Staff made the decision based on life-cycle costs to remove and replace the damaged steel tank with a new pre-stressed concrete tank. This project also includes the underground piping to connect to the existing underground piping. The design contract was awarded to Enprotec / Hibbs & Todd, Inc. (EHT) in January 2019 and design was completed in June 2019.

## Bid and Award

Advertising for the project commenced on June 19, 2019. Bids were opened on July 18, 2019. Two contractors submitted bids ranging from \$1,581,785.00 to \$1,773,400.00. DN Tanks, Inc. was the apparent low bidder, submitting the low bid of \$1,581,785.00 which is within 11% of the engineer's construction estimate of \$1,427,000.00.

DN Tanks, Inc. is currently working with the City on the FM 521 GST. The work of that project is proceeding well and without problem. All reference checks and reviews of their qualifications yielded favorable results. The Engineer has reviewed the bids and has provided a Recommendation of Award to DN Tanks.

On August 26 Staff will recommend Council award the contract to DN Tanks, Inc. in the amount of \$1,581,785.00.

The contract includes 180 calendar days for substantial completion with an additional 30 days to achieve final completion. With Council approval in August, Staff will hold the pre-construction conference in September and issue the Notice to Proceed (NTP). The expected contract duration is 6 months with a completion date of March 2020.

### Budget Info

| Funding Sources              | Series | To Date          | Future   | Total Budget     |
|------------------------------|--------|------------------|----------|------------------|
| General Revenue - Cash       |        |                  |          | -                |
| Certificates of Obligation   |        |                  |          | -                |
| Certificates of Obligation   |        |                  |          | -                |
| General Obligation Bonds     |        |                  |          | -                |
| W/S Revenue Bonds            | 2018B  | 620,000          |          | 620,000          |
| W/S Revenue Bonds            | 2019B  | 4,240,000        |          | 4,240,000        |
| Impact Fee - Debt            |        |                  |          | -                |
| Other Funding Sources        |        |                  |          | -                |
| <b>Total Funding Sources</b> |        | <b>4,860,000</b> | <b>-</b> | <b>4,860,000</b> |

| Expenditures                   | To Date        | Future           | Total            |
|--------------------------------|----------------|------------------|------------------|
| PER                            |                |                  | -                |
| Land                           |                |                  | -                |
| Design                         | 380,760        |                  | 380,760          |
| Construction (Tank)            |                | 1,581,785        | 1,581,785        |
| Construction (Pretreatment)    |                | 2,088,215        | 2,088,215        |
| Construction Materials Testing |                | 20,000           | 20,000           |
| FF&E                           |                |                  | -                |
| <b>Total Expenditures</b>      | <b>380,760</b> | <b>3,690,000</b> | <b>4,070,760</b> |

|                                    |                |
|------------------------------------|----------------|
| <b>Project Balance/Contingency</b> | <b>789,240</b> |
|------------------------------------|----------------|

### Schedule Info

|   | Base Line   | Current    |
|---|-------------|------------|
| <b>Design Start</b>                     | December-18 | January-19 |
| <b>Bid Start</b>                        | August-19   | June-19    |
| <b>Construction Start</b>               | Sept.-19    |            |
| <b>Proposed Construction Completion</b> | March-20    |            |

Rain Days: N/A

VICINITY MAP



# Bailey WTP 1.0 MG Prestressed Concrete GST



1:9,000  
1 inch = 750 feet

**NORTH**  
This product is for informational purposes only and may not be prepared or be suitable for legal, engineering, or surveying purposes.

MAP PREPARED: JULY 30, 2018