



MEMORANDUM

To: Mayor and City Council

From: Kent Collins, P.E., Director of Public Works

Date: November 13, 2018

Reference: Award of Bid No. Q-1019-01 Southwestern Elevated Storage Tank Rehabilitation

2030: Sustainable City Government, Goal 3
Excellent and Well-maintained City Infrastructure and Facilities

General Information:

- Dunham Engineering provided inspection services in July 2014
- Water Tower #1 was constructed in 1986 and is in fair condition
- Discovered minor corrosion, less than 5%, recommended a new protective coating
- Replace interior wet area coating with a three-coat zinc/epoxy/epoxy coating system (15-20 years) \$450,000
- Replace exterior coating with a four-coat zinc/epoxy/polyurethane/fluoropolymer coating system (15-20 years) \$600,000
- Structural repairs including the roof hatch = \$50,000
- Received bids from 9 vendors, low bid was \$1,021,679, high bid was \$1,381,550

Introduction:

This agenda item is being presented for Award of Bid No. Q-1019-01 Southwestern Elevated Storage Tank Rehabilitation project to Tank Pro, Inc. in the amount of \$1,021,679 and approval of an incentive amount up to an additional \$30,000 for early completion for a total award of \$1,051,679.

Analysis:

Water Tower #1, located at Southwestern Blvd. and Coppell Road, was constructed in 1986, and is a 1.5 million gallon all steel elevated storage tank. The tank consists of a 40-foot-tall bowl structure that sits on a 120-foot-tall pedestal, for a total height of 160 feet.

In July 2014 Dunham Engineering conducted an evaluation and inspection of both of Coppell's elevated water towers. Those evaluations resulted in recommended rehabilitation and painting of both towers, with varying levels of rehabilitation, and a longer time frame for Tower #2. Tower #1

noted corrosion of the steel tower at a rate of approximately 5%, and a recommended time frame for action of 2 years. It was also noted that the roof hatch does not meet current requirements of the Texas Commission on Environmental Quality, which is the state agency that regulates public water systems.

On December 9th, 2014 the City Council approved a Design contract with Dunham Engineering for the design and preparation of Bid documents to perform the needed rehabilitation. The contract with Dunham includes inspection and contract administration for the rehabilitation of this tower.

On October 16, 2018 the city received and opened 9 sealed bids for this rehabilitation. The bids ranged from a low of \$1,021,679 to a high of \$1,381,550. The low bid was submitted by Tank Pro, Inc. Dunham Engineering is familiar with the work history of this firm, has reviewed their references, and has provided a recommendation to award the contract to Tank Pro, Inc.

This project will require taking the water tower out of service for a period of up to five months. Due to high water use during the summer months this work has been scheduled to begin in late December to early January. This contract includes an incentive provision of \$500 per day for early completion with a maximum incentive of \$30,000.

Legal Review:

A standard form agreement is being utilized on this project and has been reviewed by the City Attorney previously.

Fiscal Impact:

The fiscal impact of this Agenda item is \$1,051,679, as provided for in the bond proceeds.

Recommendation:

The Public Works Department recommends approval of this contract with Tank Pro, Inc.