

STAFF REPORT



SUBJECT: 377 Elevated Storage Tank Rehabilitation Project
MEETING: Public Works Committee Meeting – 21 JUN 2022
DEPARTMENT: Public Works
STAFF CONTACT: Nick Williams

RECOMMENDATION:

Staff recommends entering into a professional services agreement with Provenance Engineering for the budgeted design of the 377 Elevated Storage Tank Rehabilitation Project.

BACKGROUND:

In May of 2021, a thorough examination was performed of the interior, exterior, and foundation of the 750,000 Gallon 377 Elevated Storage Tank (EST), originally built in 1985, located at 536 County Road 386. Based upon the inspection report findings, rehabilitation of the tank was recommended, and a design cost was approved in the FY21-22 budget.

PROPOSAL:

A professional services proposal has been received from Provenance Engineering to provide plans, detailed technical specifications, and competent on-site field representation/inspection services for the tank rehabilitation project. The proposal provides a 10-month term to provide the design, bid, and construction phase services.

HOT Inspection Services, Inc., is proposed as a sub-consultant to perform the on-site construction oversight services including welding, blasting, and coating application inspections. Also included with the work is a one-year warranty inspection by the coatings inspector as recommended by the American Water Works Association.

HOT Inspection Services, Inc. performed the inspections for the Garfield Elevated Tower Rehabilitation Project in 2013, the Garfield Ground Storage Tank Rehabilitation Project in 2018, and the 377 Ground Storage Tank Rehabilitation Project in 2020 with success. Additionally, the firm has performed inspections for water tank construction and rehabilitation projects across Texas for over twenty-five years and reference recommendations from reputable engineering firms endorse HOT as an efficient and reliable sub-consultant.

FISCAL IMPACT SUMMARY:

The full agreement provides for the preparation of construction drawings, detailed specifications, notice, pre-bid and bidding assistance, contractor recommendation, and on-site field representation/inspection services for \$98,400.

The basic services for design and management total \$25,000. The bid phase and construction services total \$73,400.

The approved FY21-22 budget allocated \$25,000 for the project design. Staff requests approval of the total \$98,400 contract amount in order to prevent escalation of the design and inspection costs.

Once the design is completed, the bid and construction phase services would only commence with written authorization from the city and only if funds are allocated in the FY22-23 budget.

ALTERNATIVES:

The following alternatives are provided for consideration:

1. Delay the design portion of the tank rehabilitation project.
2. Recommend a different firm or firms.

ADVANTAGES:

Approval of the agreement remains within the approved project budget. The agreement provides for the on-site services under a single contract. Successive phases are only permitted with written approval.

DISADVANTAGES:

There are no known disadvantages to proceeding as described above.

ATTACHMENTS:

[377 EST Rehabilitation Project – Professional Services Agreement](#)