



## Legislation Details (With Text)

**File #:** 2021-0095    **Version:** 0    **Name:** Elevated Tank #7 Rehabilitation Engineering - Proposal  
**Type:** MOTION    **Status:** PASSED  
**File created:** 2/2/2021    **In control:** Board of Trustees  
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**Title:** Elevated Tank #7 Rehabilitation Engineering - Proposal

**Code sections:**

**Attachments:** 1. Proposal - Strand, 2. Proposal - CBBEL

Date	Ver.	Action By	Action	Result
2/15/2021	0	Board of Trustees		
2/15/2021	0	Public Works	INTRODUCED TO BOARD	

**Title**  
Elevated Tank #7 Rehabilitation Engineering - Proposal

### History

The Village of Orland Park requested proposals from Village pre-qualified engineering firms to perform an evaluation of Elevated Tank #7 and provide recommendations and oversight for upgrades and paint restoration. Elevated Tank #7 is a spheroid style tank with 300,000 gallon total capacity, located at 13600 Cherry Lane. It was built in 1977 by Chicago Bridge and Iron Works (CBI). It was last painted in 2000 after a complete blast to bare metal for both interior and exterior surfaces. Staff recommends, based upon the condition of the tank, for it to be the second of seven towers for rehabilitation.

The proposals were required to include the following services in their price:

- a thorough evaluation of the tank noting deficiencies
- provide recommendations for improvements
- provide costs for improvements
- provide construction and rehabilitation schedule
- evaluate, recommend and provide a cost estimate for a combination railing and antenna mounting system
- separation of electrical services
- coordination and status meetings with village staff

The selected engineering firm will also be required to work with Village staff to coordinate the removal of all cellular, phone and radio equipment during the restoration process and the reinstallation of the communication equipment after all modifications and paint restorations are completed.

Within the bell (bottom portion of the tank) there is a very small room which is only able to house a portion of the electronic equipment for the Village-owned antennas and controls. The remaining equipment is in an unheated space, subject to temperature extremes. Current Village initiatives are exploring opportunities to incorporate new technologies inside the tank utilizing a combination of wireless and fiber optic technologies. The introduction of this technology would improve emergency

communications, decrease dependency of outside carriers and provide network connectivity for electronic devices that will be utilized by staff daily, as paperless efforts are implemented. The rehabilitation will include converting the lower section of the tank (bell) into a favorable environment for supporting all electronic equipment. The engineering firm would develop a plan to maximize the available space and utilize cost effective and energy efficient solutions to control temperatures in the space under varying winter and summer conditions.

Currently, Elevated Tank #7 receives electric service through an adjacent former well house. The rehabilitation provides an opportunity, while the tower is out of service, to separate the electric service with a dedicated meter pedestal and disconnect switch. The current panel in the tower is at capacity. The new service will allow expansion to accommodate current and future needs. The addition of a natural gas/propane generator with automatic transfer switch is also proposed to support all existing Village equipment.

In 2016, the Village adopted a new logo developed through a branding process that can be seen throughout the community. The paint scheme for Elevated Tank #7 will be the same scheme utilized in 2020 for elevated Tank #5 and be further duplicated at the remaining elevated tanks in town. as they are completed.

Request for proposals were sent to eight (8) consultants from the "Recommended Prequalified Consultants" list developed by our Engineering Department through their RFP process. Proposals were received from Strand and Associates of Joliet, Illinois, for \$50,800.00; and Christopher B. Burke Engineering of Rosemont, Illinois, for \$94,446.00. Staff recommends the proposal from Strand and Associates of Joliet, Illinois be accepted for a price not to exceed \$50,800.00. Staff is currently working with Strand and Associates on Elevated Tank #5 and is confident in their qualifications. An additional contingency in the amount of \$10,000 is requested to address any unforeseen issues that might arise during this process.

#### Financial Impact

Funds for this project were allocated in the Utility Fund budget 031-6002-443900 (Well & Storage Facilities).

#### Recommended Action/Motion

I move to accept the proposal from Strand and Associates of Joliet, Illinois for Elevated Tank #7 Rehabilitation Engineering for an amount not to exceed \$60,800.00 (\$50,800.00 plus \$10,000 contingency).