

# STAFF REPORT



**SUBJECT:** Lillian 1 MG GST - Additional Repairs  
**MEETING:** Special Council Meeting - 17 JAN 2023  
**DEPARTMENT:** Public Works - Water  
**STAFF CONTACT:** Nick Williams

## RECOMMENDATION:

Staff recommends approval of the proposal from Texas Aquastore, Inc. of Sherman, Texas to perform the additional repairs to the floor of the Lillian 1,000,000 gallon (1 MG) Ground Storage Tank (GST).

## BACKGROUND:

The city maintains a 1 MG GST at the Lillian pump station. The tank is an above ground, glass-lined, bolted, steel-panel tank. The tank was installed in 2001 and has developed leaks around some of the caulked wall panel joints. The original wall panel repairs for this tank were approved at the Special Council Meeting on October 18, 2022.

## PROPOSAL:

Upon draining and cleaning the tank to perform the wall-panel repairs, damage was discovered in the floor of the tank. The damage was undetectable until the tank was drained and the floor thoroughly cleaned. Texas Aquastore, Inc. is performing temporary repairs to the existing tank floor panels to seal the tank until the replacement panels are installed.

Attached is a quote received from Texas Aquastore, Inc. to perform the additional, necessary repairs to the floor of the tank for \$129,965.00. Texas Aquastore, Inc. has stated the glass-lined, bolted, steel-panels for the tank have a 36-week lead time from the date of order. Photographs showing the condition of the existing floor panels are attached.

Also attached is a letter from the tank manufacturer (CST Storage) stating Texas Aquastore, Inc. is the exclusive dealer for this tank.

## FISCAL IMPACT SUMMARY:

The FY22-23 adopted budget included \$110,000 for the originally identified repairs. The original proposal was for \$102,492, leaving a positive balance of \$7,508.00 under the approved budget.

The proposal to replace the tank's floor panels is \$129,965.00. With the \$7,508 savings from the original project, a balance of \$122,457 is necessary to fund the Lillian tank's floor repairs.

Savings from the 377 Elevated Storage Tank (EST) Rehabilitation project would be used for the Lillian tank floor repairs. \$500,000 was budgeted for the 377 EST project and the total cost is anticipated to be \$357,900 leaving a balance of \$142,100. This would leave a positive balance between the two projects of \$19,643.00.

## ALTERNATIVES:

The following alternatives are provided for consideration:

1. Do not recommend approval of the tank floor repairs as presented, or
2. Recommend an alternate repair company or repair methodology.

## ADVANTAGES:

1. Approval allows the materials to be ordered immediately and the tank repairs to be scheduled in the fall of 2023.
2. Texas Aquastore, Inc. originally installed the tank and is certified to perform maintenance on glass-lined tanks.
3. The city has used Texas Aquastore in the past to perform minor repairs with success.

## DISADVANTAGES:

1. The repairs are an unforeseen cost.

## ATTACHMENTS:

- [2023 01-17 – Lillian Tank Photographs – 2023 01-11](#)
- [2023 01-17 – Texas Aquastore Quote – 2023 01-11](#)
- [2022 01-17 – Authorized Dealer Letter - 2021 02-04](#)



