



## CITY OF SUGAR LAND

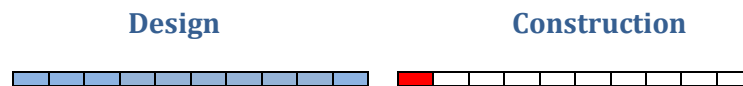
Engineering Department

**CIP Project Number:** WA1004

**Title:** Water Storage Tank Rehabilitation - Austin Parkway Water Plant

**Project Phase:** Design/Construction

**% of Phase Completion**



**Cost for this Phase:** \$ 460,000

**Funding Sources:** Revenue Bonds

**Project Manager:** Keisha E. Seals

**Contractor:** TBD

**Consultant:** Pate Engineers

**Project Description:** Refurbishment of the existing .44 MG ground storage tank, and two 10,000 gallon hydrostatic tanks at Austin Parkway water plant. Work includes structural repairs and modifications as needed, blasting and proper removal of old coatings and repainting and new probes for hydro-tanks.

**Justification:** Scheduled maintenance for water storage tanks following the department's Tank Rehabilitation Plan. The interior and exterior coatings of the GST and hydrostatic tanks are failing and replacement of paint/coatings is required.

### Updates:

**December 2009** – A proposal for the evaluation of and preliminary engineering report for the water plant work was awarded to Pate Engineering. Pate conducted a field visit to determine whether replacement or rehabilitation was necessary and to what extent. The preliminary findings determined that the plant is in overall good condition and can use minor internal repairs (ie: broken ladder inside the plant) and external painting. Next step is to submit the PE report for review and move forward with the design/details for construction.

**January 2010** – Staff met with Pate Engineers in and conducted a field visit to review the site. Staff provided all necessary as-built related to the project.

**February 2010** – The consultant began design on the necessary improvements to the plant.

**March 2010** – The consultant submitted a draft report for the recommendation of the improvements to the plant based on the field review. Staff reviewed the report and informed the consultant to proceed forward with the recommended design.

**April 2010** - The consultant submitted plans for 30% review.

**May 2010** - The project team met to discuss the 30% review comments .

**June 2010** - The consultant submitted plans for 90% review. Staff provided comments back as well as set up a progress meeting to discuss finalization of the project.

**July 2010** – All specifications/bid document package has been submitted for final review and approval.

**Aug 2010** - The project design is complete and staff routed the Notice to Bidders memo for approval. The pre bid is scheduled for Aug 25<sup>th</sup> with a walk thru and the bid is scheduled for September 2. The engineers estimated cost with add alternatives for bid was \$353,000 that includes the butterfly valves and concrete footing replacements (the base bid is \$325,200).

**Sept 2010** – The project was bid on September 2, 2010 with the low bid coming in 20% lower than the Engineer’s Estimate. The low bidder Tidal Construction bid \$293,600, the consultant provided a letter of recommendation to award the contract to Tidal Construction. The contract will go before City Council in October.