



CITY OF SUGAR LAND

Engineering Department

CIP Project Number: WA0803

Title: Distribution System Water Main Rehabilitation

Project Phase: Construction

% of Phase Completion



Cost for this Phase: \$ 1,750,000

Funding Sources: Revenue Bonds

Project Manager: Pete Polito

Contractor: Sendero Construction

Consultant: LAN

Project Description:

A water line replacement analysis was conducted based on maintenance records to prioritize the water line rehabilitation. The biennial projects include design and construct distribution system water lines to replace aged and high maintenance existing water mains. In FY2008 engineering design will be performed on 6" and 8" mains in the Lakefield subdivision. FY2009 project includes construction of same pipelines designed in FY2008.

Justification: A review and evaluation of maintenance records and distribution system infrastructure inventory determined the proposed areas require the highest level of maintenance in the system. Rehabilitation will improve water quality and service. These 30-40-year old asbestos cement water lines will be replaced with PVC water lines.

Updates: December 2008-Design is 75% complete and slightly behind schedule due to interruption during Hurricane Ike. 90% plans to be delivered on December 30th from LAN for staff review. Replacement of the water lines in River creek townhomes may be postponed due to easement issues. If so, this area will be included in the next round of rehab when the easements can be obtained without delaying the project.

May 2009- Project was successfully bid and awarded to Sendero Construction. The Sugar Creek Townhomes were eliminated from the bid package and are awaiting easement acquisition.

June 2009 – Easements for the Townhomes are still being negotiated. LAN will need to redesign some areas due to limited space and changes in alignment . These changes are due to current easements owned by Pipeline companies that will not allow the city to construct parallel within their easement.

Pre-construction meeting for Lakefield, Lakes of Austin Park and Highway and ditch crossing portion of the project was held on June 11, 2009. Notice to Proceed was issued on June 15, 2006. Project duration is 270 calendar days with a May 12, 2010 scheduled completion date. Contractor is currently working on submittals. Awaiting submittal of tentative project schedule and mobilization date.

August 2009 – Contractor mobilized and completed SH 6 @ University Blvd 8-inch water line crossing. Contractor is currently working in Lakes of Austin Park and is at 60% complete with that portion of the project. To date all customer /property owner feedback has been positive of the project and the work performed.

September 2009 – Contractor has completed 90% of the line work in the Lakes of Austin Park. Currently working on service transfers, tie-ins to existing lines and surface restoration. Weather has delayed progress. Project construction is at 40% complete and on schedule.

October 2009 - Contractor completed all line work in the Lakes of Austin Park. Currently working surface restoration. Weather has delayed progress. Project construction is at 45% complete.

November 2009 – Contractor complete all site restoration in Lakes of Austin Park and began line installation in Lakefield Subdivision. Project is at 50% complete.

December 2009 – Contractor continued line installation in Lakefield subdivision, area process is at 25% complete. Overall project at approximately 60% complete. Progress delayed due to holidays.

January 2010 – Contractor continued line installation work in the Lakefield subdivision. Area process nearing 50% completion. Overall project at approximately 70% complete.

February 2010 - Contractor is still working in Lakefield Subd. and is approx. 60% complete in that area. Also, began work on A-22 ditch, 12" line replacement.

March 2010 (2nd Quarter) – Contractor continued work in Lakefield Subd. and is approx. 90% complete in that area. Completed testing for 70% of Pipe installation in Lakefield and currently is installing service connections and wet connection tie-ins. Surface restoration for the area is scheduled to begin in April. Also, still working on A-22 ditch line replacement.

April 2010 - Contractor completed pipe installation in Lakefield and across A-22 Ditch. Currently working on service taps, wet connections to new main and surface restoration in Lakefield Subdivision. Project is at 90% complete.

May 2010 - Contractor has completed all but two wet connections Lakefield Subdivision, which are scheduled for the first week in June. Contractor has been requested to increase surface restoration effects in the Lakefield area, to target a June completion date for the area. Also, US 90A @ Wood St. crossing scheduled for June mobilization. Project is at 90% complete.

June 2010 (3rd Quarter) All work in the Lakefield and Lakes of Austin Park have been completed, including surface restoration. All that remains for project completion is US 90A crossing. Contractor has submitted railroad insurance application with Union Pacific and is awaiting approval.

September 2010 (4th Quarter) – No Change from previous quarter. Contractor has completed all work related to the project, with the exception of the US 90A crossing. Contractor has submitted railroad insurance application with Union Pacific and is still awaiting approval.