Hurricane Ike Recovery Program
PROJECT SUMMARY

County	**Angelina**	**City**	**Hudson**
COG	**Deep East Texas Council of Governments**	**Applicant**	**City**
Project ID	**1779-ANG-W15**	**Estimate Date**	**04/28/09**
Project Name	**SCADA System for Wastewater Collection System**		
Address/Limits	**City wide**		

Schedule & Cost

Category	Schedule Duration	Projected Cost
Engineering [1]	5 months	$49,690
ROW/Easement [1]		
Construction [1]	8 months	$295,750
Total Estimated Project Cost [1,2]		**$345,440**

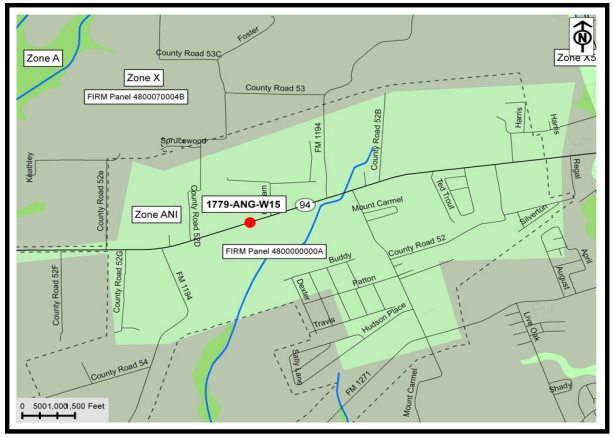
Funding:

Potential funding sources for these projects include FEMA (Public Assistance and 406 Mitigation), 404 Funding (administered by GDEM), CDBG, and local match for FEMA funding. CDBG funds cannot be used for local match to any items eligible for FEMA funding. Duplication of benefit is not allowed.

No Photo Available

Project Description

During Hurricane Ike on September 13, 2008, City personnel were unable to monitor operational status of their wastewater treatment plant and lift stations. In order to mitigate damage which could be caused by inoperative lift stations, scope includes a systemwide SCADA communication and control system installed between a base station and 10 lift stations. In addition, 6 SCADA stations should be installed at the wastewater treatment plant to monitor parameters such as influent and effluent flow, return flow, and pump operation. As part of the pre-installation planning, the SCADA vendor should perform a "path study" in which trial point-to-point data broadcasts confirm the integrity of the radio signal transmission. The vendor should give certification to the owner regarding the signal quality and reliability.



Facility Type:	**Water & Wastewater**	**Project Type:**	**Other**
Project Status:	**Not Started**	**NEPA:**	**Categorical Exclusion (CE) – Level 2**

[1] Projected costs shown reflect inflation costs.

[2] The total project cost does not include environmental and project delivery (local administration) costs.

[3] Recommended scope, cost estimate and schedule are for planning purposes only. Refinements will be required during subsequent planning and design phases.