



CITY COUNCIL AGENDA ITEMS

To: Mayor Graham and City Council
From: Dennis Sullivan, Director of Engineering & Public Works and
Walter Denton, City Administrator
Date: December 4, 2006
Subject: RESOLUTION – Gonzalez Companies' Supervisory Control and Data Acquisition
(SCADA)

List of committees that have reviewed: Public Works Committee

Background: With the planned construction of two new water storage towers and a new booster pump station, the need for control and data tracking of our water system is a must. The current system as it exists monitors only the Public Works Booster Station and the elevations of the ground, State and Seven Hill tanks. With the sophistication that the new French Village Booster Pump Station will have and the need to know tank elevations, water pressures and flow rates at points within the system to ensure delivery of the product and response to emergency situations as well as valving within the system, a new Supervisory Control and Data Acquisition (SCADA) System is needed to bring our system into the 21st century. Additionally, this system will be robust enough to take on the need to control and monitor the City's sanitary sewer and wastewater treatment plant, to monitor traffic intersections and operations at the City parks. Gonzalez Companies will provide services for SCADA component construction, software integration and construction management - Phase 1 in the amount not to exceed \$300,000.00. This agreement will provide professional services for the design and installation of a new SCADA system for the City's water distribution system. The new control system will manage pump starts, tank levels, valving, alarms, callouts, reports and other activities for the water system. This agreement includes the software and hardware components for the system. Actual costs estimates will be refined through design and bidding of work. The water system infrastructure to be covered by the SCADA system in Phase I includes the three existing water towers, two ground storage tanks and two booster pump stations. Integrator services will also include planning and design of software components to integrate the two planned elevated storage tanks and French Village Booster Pump Station.

Legal Considerations, if any: Normal contractual legal obligations for construction management.

Budget Impact: Funds for this item are contained in the FY07 and will be in the FY08 Budget as part of our water system upgrade.

Staff recommendation: Staff recommends acceptance of the proposal from Gonzalez Companies in an amount not to exceed \$300,000.00.