Legislation Details (With Text)

File #:	PROJ #76	**Version:**	1	**Name:**	PROJECT COMPLETE CERTIFICATION - SCADA COMMUNICATION SYSTEM - BACKBONE
Type:	Project Certification			**Status:**	Consent Calendar
File created:	3/5/2015			**In control:**	City Council
On agenda:	3/12/2015			**Final action:**	3/12/2015
Title:	PROJECT COMPLETE CERTIFICATION - SCADA COMMUNICATION SYSTEM - BACKBONE				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	1. SCADA SiteMap				

Date	Ver.	Action By	Action	Result

PROJECT COMPLETE CERTIFICATION - SCADA COMMUNICATION SYSTEM - BACKBONE

COUNCIL INITIATIVES ADDRESSED:
Provide sustainable water quality & environmental infrastructure.

CITY ATTORNEY REVIEW: N/A

SUMMARY STATEMENT:
This action is to certify that the SCADA Communication system - backbone project has been completed in accordance with the plans and specifications under Contract No. 13-0181-B entered into between the City of Longview and Process Solutions, Inc., and the same is hereby accepted and approved.

This project completes phase one of the Supervisory Control and Data Acquisition (SCADA) system. The SCADA system continuously monitors utility facilities, sends alarms via text message or automated telephone message to our system operators, and allows our operators to remotely monitor and control each of the connected facilities. The SCADA backbone system consists of primary and backup computer servers, primary and backup supervisory network radios, computer workstations with SCADA software for operator interface, and other equipment needed for system communication. Additionally, 25 remote utility facility sites were upgraded to connect to the SCADA system.

The goal of the SCADA system is to reduce long-term operational costs, improve operational efficiency, provide more timely response to system problems and equipment failure, and improve security at these facilities. The SCADA system is designed to communicate with approximately 75 remote sites via two-way radios on licensed frequencies. Future SCADA upgrades will connect the remaining 50 remote sites, and all new utility facilities will be connected to the SCADA system. The additional existing sites to be connected include sewer pump stations, water pressure reducing valves, stormwater pump stations, and other stormwater facilities. These additional sites are planned to be added in several more phases budgeted for 2015, 2016 and 2017.

With the SCADA system operational, staff anticipates cost savings due to use of the system's monitoring and alarm capabilities to help identify problems before they result in failures, and reduced overtime costs by identifying problems early and when failures occur outside of working hours, some situations will be resolved

through remote electronic access to a site rather than dispatching a crew to the site on overtime. Additionally, labor costs for physically checking the pump stations on a daily basis are reduced, and staff is able to redirect their time to preventive and routine maintenance.

RECOMMENDED ACTION:
Motion to accept and approve as complete the SCADA Communication system - backbone project.