



City of Killeen

Legislation Details (With Text)

File #:	RS-22-038	Version:	1	Name:	SCADA UPGRADE
Type:	Resolution	Status:	Passed		
File created:	2/18/2022	In control:	City Council		
On agenda:	3/22/2022	Final action:	3/22/2022		
Title:	Consider a memorandum/resolution authorizing a Professional Services Agreement with Control Panels USA, Inc. for programming and configuration services, and the purchase of a Wireless Broadband Communications System from Iteris, Inc. for the SCADA Upgrade Project in the combined amount of \$261,206.				
Sponsors:	Water & Sewer				
Indexes:	SCADA Upgrade Project				
Code sections:					
Attachments:	1. Staff Report, 2. Quote, 3. Proposal, 4. Agreement, 5. Certificate of Interested Parties, 6. Presentation				

Date	Ver.	Action By	Action	Result
3/22/2022	1	City Council	Approved	Pass
3/15/2022	1	City Council Workshop		

Consider a memorandum/resolution authorizing a Professional Services Agreement with Control Panels USA, Inc. for programming and configuration services, and the purchase of a Wireless Broadband Communications System from Iteris, Inc. for the SCADA Upgrade Project in the combined amount of \$261,206.

DATE: March 15, 2022

TO: Kent Cagle, City Manager

FROM: Jeffery Reynolds, Executive Director of Public Works

SUBJECT: Authorize the execution of a Professional Services Agreement with Control Panels USA, Inc. for programming and configuration services, and the purchase of a Wireless Broadband Communications System from Iteris, Inc. for the SCADA Upgrade Project in the combined amount of \$261,206

BACKGROUND AND FINDINGS:

The FY 2022 CIP budget includes a Supervisory Control and Data Acquisition (SCADA) Upgrade Project. This upgrade project consists of conversion to a wireless broadband communications system for all 30 remote SCADA sites, virtual private network (VPN) access, software to dispatch SCADA alarms to standby personnel and reporting software to better assist operators in creating regulatory reports. These software and hardware items are necessary to afford the standby personnel the ability to access SCADA and receive alarms remotely. This project will provide personnel with security surveillance, real-time data, and the ability to respond to emergencies at our remote sites. It will eliminate the need for 24/7 SCADA monitoring by personnel; therefore, night shift employees will be moved to day shift resulting in more efficient operations and increased

productivity.

City staff has negotiated a professional services agreement (PSA) with Control Panels USA (CP USA), Inc. for installation, programming, configuration, and verification necessary for the SCADA Upgrade Project in an amount of \$185,000. CP USA has extensive experience in SCADA technology and has handled all of the City's Water and Sewer SCADA development in the past.

City staff received BuyBoard quote #608-20 from Iteris, Inc. in the amount of \$76,206 for the necessary equipment: radios, mounts, and antennas, to build a citywide wireless broadband communications system. This equipment will ensure that all 30 remote SCADA sites will be able to reliably communicate with the SCADA control room remotely. Iteris, Inc. has been utilized by the Transportation Division for a similar communication system in the Traffic Management Center.

THE ALTERNATIVES CONSIDERED:

- (1) Delay the SCADA Upgrade Project.
- (2) Authorize the award of a PSA with CP USA and the purchase of a citywide wireless broadband communications system from Iteris for the SCADA Upgrade Project.

Which alternative is recommended? Why?

Alternative two (2) is recommended due to City staff's belief that CP USA has submitted a fair and reasonable proposal for its professional services and has provided services of great value to the City in previous projects. The BuyBoard purchase of the citywide wireless broadband communications system is recommended due to their successful work history with the City.

CONFORMITY TO CITY POLICY:

This item conforms to state and local policies. As outlined in Texas Local Government Code (TLGC) section 271.056, a contract for personal or professional services is exempt from advertising for competitive bids. Purchases made through a cooperative contract are exempt from the competitive bidding process as stated in TLGC section 271.102, subchapter F; local government that purchases goods or services under this subchapter satisfies any state law requiring the local government to seek competitive bids for the purchase of the goods or services.

FINANCIAL IMPACT:

What is the amount of the expenditure in the current fiscal year? For future years?

The total expense is \$261,206 in FY 2022.

Is this a one-time or recurring expenditure?

One-time

Is this expenditure budgeted?

Yes, funds are available in the Water & Sewer CIP Fund account 387-8934-493.61-40.

If not, where will the money come from?

N/A

Is there a sufficient amount in the budgeted line-item for this expenditure?

Yes

RECOMMENDATION:

Authorize the City Manager or designee to execute a PSA with Control Panels USA, Inc. in the amount of \$185,000 and authorize the purchase of a wireless broadband communications system from Iteris, Inc. in the amount of \$76,206 for the SCADA Upgrade Project and furthermore, authorize the City Manager, or designee, to execute any and all change orders within the amounts set by State and Local law.

DEPARTMENTAL CLEARANCES:

Public Works

IT

Finance

Legal

ATTACHED SUPPORTING DOCUMENTS:

Quote

Proposal

Agreement

Certificate of Interested Parties