

**CITY OF PALMER  
ACTION MEMORANDUM No. 14-023**

**Subject:** Approve Change Order No. 1 for Frawner Corporation for the Reservoir 4 and Booster Station Project in the Amount of \$314,416.96

**Agenda of:** March 11, 2014

**Council Action:** Approved \_\_\_\_\_

**Approved for presentation by:**

City Manager \_\_\_\_\_  
 City Attorney \_\_\_\_\_  
 City Clerk \_\_\_\_\_

*Douglas B. Griff*

**Certification of Funds:**

Total amount of funds listed in legislation:	\$ <u>314,416.96</u>
This legislation (√):	
<input type="checkbox"/> Has no fiscal impact	
Creates:	
<input checked="" type="checkbox"/> A negative fiscal impact in the amount of:	\$ <u>314,416.96</u>
<input type="checkbox"/> A positive fiscal impact in the amount of:	\$ _____
<input checked="" type="checkbox"/> Funds are budgeted.	
Funds are budgeted from this (these) line item(s):	
a) ➤ 24-20-06-6226 (ADEC Grant No. 67116)	\$ <u>292,402</u>
b) ➤ 24-02-06-6226 (City Match to Grant No. 67116)	\$ <u>127,376</u>
c) ➤ 24-20-09-6225 (ADEC Grant No. 67119)	\$ <u>2,772,833</u>
d) ➤ 24-02-09-6225 (ADEC Loan Grant 67119-City Match)	\$ <u>1,071,429</u>
a) Funds originally budgeted in line item :	\$ _____
Difference in budgeted funds:	\$ _____
b) Funds originally budgeted in line item :	\$ _____
Difference in budgeted funds:	\$ _____
c) Funds originally budgeted in line item :	\$ _____
Difference in budgeted funds:	\$ _____
d) Funds originally budgeted in line item :	\$ _____
Difference in budgeted funds:	\$ _____
<input type="checkbox"/> Funds are not budgeted.	
Budget amendment required in the total amount of:	\$ _____
Affected line item(s):	
➤	\$ _____
<input type="checkbox"/> General fund unassigned balance (after budget modification)	\$ _____
<input type="checkbox"/> Enterprise unrestricted net position (after budget modification)	\$ _____
Director of Finance signature certifying funds:	_____

**Attachment(s):**

- Change Order No. 1, Reservoir 4 and Booster Station Project

**Summary statement:**

Last fall, the City awarded the Reservoir 4 and Booster Station Project of the Southwest Utility Extension Phase IIb to Frawner Corporation. Before the project went to bid, the supply and installation of a Supervisory Control and Data Acquisition (SCADA) system was removed from the project bid scope at the City's request. This was apparently done with the intention of awarding a separate sole source contract for the SCADA system.

The SCADA system is necessary to monitor and control water system operations in a coordinated manner. Without it, the new reservoir cannot "talk" to the existing storage tanks, pumps and controls. In order for the new reservoir and booster station to operate in conjunction with the rest of the water utility system, it is necessary to include the SCADA system in the reservoir and booster station construction project.

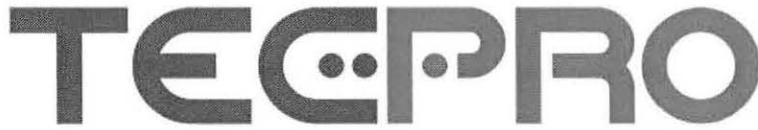
Presently, we control the water level in the million-gallon storage tank on Scott Road through a dedicated phone line between the reservoir and Wells 4 and 5 at the Palmer Airport. The existing system will not provide adequate control when Reservoir 4 comes on line.

Change Order No. 1 will increase the City's contract with Frawner Corporation in the amount of \$314,416.96 for the additional services and costs to supply and install the SCADA system. Project engineers HDL recommend approval of the change order.

City Code section 3.21.130 requires City Council approval of any contract amendment or change order of more than \$15,000.

**Administration recommendation:** Approve Action Memorandum 14-023.





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Bringing Technology to Life...

# ***PROPOSAL***

A Technical Proposal For

***City of Palmer Public Works***

***Palmer SCADA System Wide Upgrades  
Reservoir 1, Wells 4 & 5 & Related Master WWTP SCADA***

***Schedule B Reservoir 4 Project - Estimate***

## **Proposal Summary**

We are pleased to present our following estimate proposal for the Reservoir 1, Wells 4&5 and related WWTP master SCADA system implementation, for your review and acceptance.

This is a continuation and compilation to completion of the initial phases of construction at the WWTP, and adds these sites to the system as they will be needed in order to operate fully integrated with the addition of the new Reservoir 4 project.

We have broken this out into each major task – by location, but these sites are anticipated to all be executed consecutively in order to have a full operating system. In addition you are assured that the system will have all the same look and feel and will operate as a fully integrated and intuitive system.

Following are specific task items highlights and related costs estimated for each location, per the provided Schedule B Reservoir 4 project RFP plans and specifications;

### **Reservoir 1**

This site's main control system will be replaced in this effort. Following are the anticipate tasks.

- Provide control system design, shop drawings, submittals and documentation
- Provide PLC and HMI programming to match system technology levels
- Provide electrical conduits and control wiring to support these retrofits as well as any related demo work as needed
- Design, build and install new PLC based main control panel with HMI
- Connect new control panel to new and existing instrumentation
- Provide new instrumentation to maintain base line standard such as at the WWTP
- Provide heat system monitoring, intrusion security and fire alarm through the PLC / SCADA system
- Provide and install extension to existing Rohn tower on site with wireless radio to connect to the WWTP system SCADA
- Provide and install security cameras and NAS storage server
- Provide and install card access system on building exterior door

Lot price for above Reservoir 1 electrical and controls work:                   \$ 129,784.00

