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 Douglas B. Griffin
City Attorney
City Clerk

Certification of Funds:

Total amount of funds listed in legislation: $ 314,416.96

This legislation (√):

____ Has no fiscal impact

Creates:

X A negative fiscal impact in the amount of: $ 314,416.96

____ A positive fiscal impact in the amount of: $ ____

X Funds are budgeted.

Funds are budgeted from this (these) line item(s):

a) ➢ 24-20-06-6226 (ADEC Grant No. 67116) $ 292,402
b) ➢ 24-02-06-6226 (City Match to Grant No. 67116) $ 127,376
c) ➢ 24-20-09-6225 (ADEC Grant No. 67119) $ 2,772,833
d) ➢ 24-02-09-6225 (ADEC Loan Grant 67119-City Match) $ 1,071,429

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: $ ____

____ Funds are not budgeted.
Budget amendment required in the total amount of: $ ____

Affected line item(s):
➢ $ ____

____ General fund unassigned balance (after budget modification) $ ____
____ 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.

CHANGE ORDER

DISTRIBUTION TO:
OWNER [X]
PROJECT ENGINEER [X]
CONTRACTOR [X]
FIELD [ ]

PROJECT: Construct Reservoir 4 and Booster Station
Southwest Utility Extension, Phase IIa
Palmer, Alaska

CHANGE ORDER NUMBER: 01
INITIATION DATE: 2/7/2014
HDL PROJECT NO: 08-029
CONTRACT FOR: General
CONTRACT DATE: 12/13/2013
NOTICE TO PROCEED: 1/13/2014

TO: Frawner Corporation
1600 A. Street, Suite 302
Anchorage, AK 99501

You are directed to make the following changes in this Contract:

1. Provide additional SCADA Integration services as detailed in RFP 01.

Not valid until signed by both the Owner and the Owner's Agent. Signature of the Contractor indicates his agreement herewith, including any adjustments in the Contract Sum or Contract Time.

The original Contract Sum was	$3,307,420.00
Net change by previously authorized Change Orders	$0.00
The Contract Sum prior to this Change Order was	$3,307,420.00
The Contract Sum will be (increased) (~~decreased~~) (~~unchanged~~) by this Change Order	$314,416.96
The new Contract Sum including this Change Order will be	$3,621,836.96
The Contract Time for Substantial Completion is (~~increased~~) (~~decreased~~) (unchanged)	0 days.
The Contract Time for Final Acceptance will be (~~increased~~) (~~decreased~~) (unchanged)	0 days.
Final Acceptance as of the date of this Change Order therefore is	09/30/14.

BY ACCEPTING THIS CHANGE ORDER, THE CONTRACTOR AGREES THAT THE AMOUNT PAID FOR ON THE ABOVE ITEMS IS EQUITABLE AND THAT NO FURTHER COMPENSATION FOR THE ABOVE ITEMS WILL BE MADE.

Recommended:	Accepted:	Authorized:
Hattenburg Dilley & Linnell	Frawner Corporation	City of Palmer
PROJECT ENGINEER	CONTRACTOR	OWNER
202 W Elmwood Ave	1600 A. St., Suite 302	231 W. Evergreen Ave.
Address	Address	Address
Palmer, AK 99645	Anchorage, AK 99501	Palmer, AK 99645
By:	By:	By:
Date: 1/10/14	Date: 2/10/14	Date:

TECPRO

Info@tecpro.com
816 Whitney Rd
Anchorage, Alaska 99501
Voice: 907.348.1800

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

TEGPRO

Bringing Technology to Life...

Proposal Summary

We are pleased to present our following estimate proposal for the Reservoir 1, Wells 4&5 and related WWTP master SCADA system implimentation, 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 intrumentation 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

Wells 4 & 5

This site's main control system will be modified in this effort. Following are the anticipated major 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 retrofit to existing main pump control panel with a new HMI to replace the existing unit
- Connect new PLC and HMI to existing control panel, and to new and existing instrumentation
- Provide new intrumentation 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 new 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 Wells 4 & 5 electrical and controls work: $ 86,870.00

Main WWTP SCADA Integration

The main WWTP master SCADA station will need to have it's system and screens expanded to support the new sites. This incorporates Reservoir 1, Wells 4 & 5 and the new Reservoir 4. Following are the anticipated major tasks.

- Provide control system design, shop drawings, submittals and documentation
- Provide PLC, HMI & SCADA programming to match system technology levels
- Establish communications with new remote locations
- Provide operational SCADA screens for these new locations
- Provide system data collections from the added remote sites
- Provide full alarming and integrate these new sites to the alarm software
- Full function checkout
- Full system training
- Provide and install card access system on building exterior doors

Lot price for above WWTP electrical and controls work: $ 79,240.00

Total Project: **$295,894.00**

Please let us know if we cn provide any additional information at this time.
Thank you, Wesley E Saunders