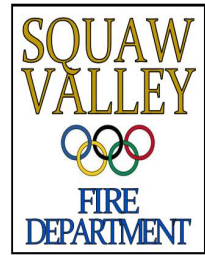




SQUAW VALLEY PUBLIC SERVICE DISTRICT



Truckee River Siphon Replacement Project SCADA Integration

DATE: November 19, 2018
TO: District Board Members
FROM: Dave Hunt, District Engineer
SUBJECT: Truckee River Siphon Replacement Project – Professional Services Agreement for SCADA Integration Services with Sierra Controls, LLC.

BACKGROUND: The Truckee River Siphon Replacement Project is nearing completion with a few remaining tasks left to be done, including integrating the new facilities into the District's existing SCADA system. This work was not included in the construction contract with Cruz Construction since the District prefers to work directly with our SCADA consultant, Sierra Controls.

DISCUSSION: District staff is proposing to contract with Sierra Controls to provide SCADA integration services for the Project. Sierra Controls has been the District's SCADA consultant for many years. This work is necessary to integrate the new facilities into the District's existing SCADA system. Sierra Controls scope of services will include:

- Provide materials necessary to integrate the new sewer flow meter and vault and manhole vault-flooded floats.
- Provide professional services including engineering design and support; and HMI (Human Machine Interface), PLC (Programmable Logic Controller), and OIT (Operator Interface Terminal) integration of the new flow meter and floats.
- Provide onsite installation and start-up support to include installation of new hardware and wiring and flow meter and float configuration.

- ALTERNATIVES:**
1. Approve the proposal from Sierra Controls to provide SCADA integration services for an amount not to exceed \$12,500.
 2. Do not approve the proposal.

FISCAL/RESOURCE IMPACTS: The Truckee River Siphon Replacement Project is being funded through a combination of Sewer Capital and Sewer FARF funds. The total project cost is estimated to be approximately \$2,200,000. The Project is expected to be completed slightly under budget.

RECOMMENDATIONS: Staff recommends approval of the proposal from Sierra Controls for providing SDCADA integration services and recommends the General Manager be authorized to execute a Professional Service Agreement with Sierra Controls in an amount not to exceed \$12,500.

ATTACHMENTS: Sierra Controls Proposal dated October 21, 2019

DATE PREPARED: November 13, 2019



SIERRA CONTROLS, LLC

PROPOSAL

Sierra Controls, LLC
5470 Louie Lane Ste. 104
Reno, NV 89511
(775) 236-3350

Quote / Project #: 19-6104
Date : 10/21/2019
Estimator: Danny Hunsaker
Project Mgr.: Andrew Ward

To: **Squaw Valley Public Service District**
Attention: **Dave Hunt**
Project: **Truckee River Siphon Replacement Project – SCADA Integration**

Sierra Controls LLC (SC) is pleased to provide this proposal for Squaw Valley Public Service District in support of the Truckee River Siphon Replacement Project – SCADA Integration. This project is on a T&M NTE basis.

Item #	Description	Quantity	Unit Price	Sales Tax	Line Total
Item 1	Materials	1	\$ 3,380	\$ 245	\$ 3,625

Pricing Includes:

- Qty 3 - Intrinsically Safe Barriers
- Qty 1 - 20X16X6 NEMA 4 Enclosure & Backpanel
- Qty 1 - 12X12X8 Lockable Nema 12 Enclosure
- Qty 1 - Schneider Electric 5401 Digital I/O Module with (4) Input Relays
- Qty 1 - FST Sealant Foam & Required hardware
- Additional Terminal Blocks and Miscellenaous Hardware as Required

Item 2	Professional Services	1	\$ 3,860	\$ 217	\$ 4,077
--------	-----------------------	---	----------	--------	----------

Pricing Includes:

- Engineering Design & Support
- HMI, PLC, and OIT Integration of new flow meter and floats
- Pre-Installation panel fabrication of communications enclosure
- Drafting Support

Item 3	Onsite Installation and Start-Up	1	\$ 4,620	\$ 29	\$ 4,649
--------	----------------------------------	---	----------	-------	----------

Pricing Includes:

- Onsite installation of new hardware provided by SC
- Application of foam sealant for required conduit
- Flow Meter Configuration

Project Total:

Price	Sales Tax	Total Price
\$ 11,860	\$ 491	\$ 12,351



Notes & Disclaimers:

Existing Conditions: Proposal is based upon the presumption that all existing programs, hardware, and controls are complete and functional. Additional programming, hardware or adjustments required by SC to fix / modify existing programming or PCIS / SCADA SYSTEM outside of the scope of this agreement to be billed on a T&M basis.

Additional T&M Work: This proposal represents the complete scope of work to be performed by SC. Any additional requirements, specifications or construction details outside of this proposal are not included and will be billed on a T&M basis as mutually agreed upon by all parties.

Wage Rates: Pricing is based upon SC standard wage rates and does not include any provisions for any type of Prevailing Wage Requirements. Client to notify SC prior to the beginning of work if different or indemnify SC for any loss or penalties assessed if determined otherwise after the execution of this agreement.

Delivery: Scheduled ARO
Terms: NET 30
FOB: RENO, NV

**RESPECTFULLY SUBMITTED,
SIERRA CONTROLS, LLC**

Danny Hunsaker, P.E. – General Manager

This quote is valid for 60 days.

To proceed with this order please sign below with an authorized signature and return.

Signed

PO Number

Date