

**OFFICIAL RECORD**

Requested By:

DC/PUBLIC WORKS

Assessor's Parcel Number:     N/A    

Date:   MARCH 20, 2009  

Recording Requested By:

Douglas County - NV  
Karen Ellison - Recorder  
Page: 1 Of 3 Fee: 0.00  
BK-0309 PG-4867 RPTT: 0.00



✓ Name:   EILEEN CHURCH, PUBLIC WORKS  

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Real Property Transfer Tax: \$   N/A  

  QUOTE #2009.057    
(Title of Document)

APPROVED MARCH 19, 2009 ITEM #11

BOCC

FILED



**SIERRA CONTROL SYSTEMS, INC.**  
WATER MEASUREMENT AND CONTROL SYSTEMS

NO. 2009.057

2009 MAR 20 AM 10:16  
940 MALLORY WAY  
CARSON CITY, NV 89701  
Phone (775) 883-0443  
FAX (775) 883-5528  
scs@sierracontrols.com  
Nevada Lic. 16793  
California Lic. 732754

TED THUAN  
CLERK

**DATE**  
March 5, 2009

**QUOTE**  
7713 Rev. 1

To: Douglas County Community Development Water & Sewer

Attention: Mr. Jerry Walker

Subject: Douglas County Cave Rock SCADA System Improvements Project

Sierra Control Systems, Inc. is pleased to offer this quotation to provide and install the following upgrades for the Douglas County Cave Rock Water Treatment Plant.

**Item 1: Cave Rock Water Treatment Plant PLC-RTU interface** **\$ 6,150**

Currently, all data passed from the Plant PLC to the SCADA Master RTU is accomplished via hard I/O. Analog and discrete signals connect the two controllers. The project will replace the current hard I/O with an intelligent communications link. A Prosoft Technologies Modbus Communications Module will be utilized. This will result in the following improvements:

- A considerable amount of I/O capacity in the Plant PLC and SCADA Master RTU will be made available. This is important since it is needed for upcoming system projects.
- The existing limitations on the amount of data being transferred will be removed.
- Scaling errors on analog values will be eliminated.

**Item 2: SCADA HMI System Upgrade** **\$37,090**

The existing SCADA HMI system consists of two computer workstations using Wonderware HMI software. The goal of this project is to address the following:

- The computer workstations are past their recommended lifetimes for industrial application systems. This includes both hardware and Windows operating systems.
- The HMI software applications are divided into two separate applications: SCADA system and Memcor filter. Data is shared but this is cumbersome and unnecessary. The county will benefit from combining the applications into a single package.
- The existing Wonderware HMI software is functional but lacks features that will be provided in a modern SCADA Host Management software package.

Sierra Control Systems, Inc. will provide, configure, program, and install a new SCADA Host management system including computer hardware, Control Microsystems ClearSCADA software, and Specter Instruments Win-911 alarm notification software. The computer hardware will consist of a single server, workstation, and small server rack to protect and secure the equipment.

**DELIVERY:** 8-12 weeks ARO  
**TERMS:** NET 30  
**FOB:** CARSON CITY, NV  
**THIS QUOTATION IS VALID FOR 60 DAYS.**

**RESPECTFULLY SUBMITTED,**  
**SIERRA CONTROL SYSTEMS, INC.**

BY   
**Joel McMenemy**

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

**Signed**

**PO Number**

3/19/09  
**Date**

**Requested Delivery Date**



BK- 0309  
PG- 4868

COPY

**CERTIFIED COPY**

The document to which this certificate is attached is a full, true and correct copy of the original on file and on record in my office.

DATE: May 20, 2009

THARA Clerk of the 9th Judicial District Court of the State of Nevada, in and for the County of Douglas.

By [Signature] Deputy



BK- 0309  
PG- 4869