



**ADDENDUM NUMBER TWO
REQUEST FOR PROPOSAL
PUMP STATION SCADA SYSTEM**

DATE: October 7, 2013

TO: ALL PROPOSERS OF RECORD

PROPOSAL FOR: Pump Station SCADA System

This addendum forms a part of and modifies the "REQUEST FOR PROPOSAL" package for the above item due by October 10, 2013 at 5:00 p.m., local time at the City of Oak Ridge, Central Services Complex, 100 Woodbury Lane, Oak Ridge, Tennessee.

ITEM 1 – Questions, Comments and Requests for Clarification received from Bidders

Question: Are there additional supporting documents available for our review on the current system?

Answer: No there is not. There are complete sets of the wiring schematics as well as the specifications of the current panels. The information needed is included.

Question: In order to provide an accurate proposal for the control panels, we need a tabulation of the horsepower and incoming power for the 27 panels requested? The typical drawing attached shows 3 HP only.

Answer: The horse power at each station is irrelevant to the SCADA requirements. The SCADA system will NOT be starting/stopping the pumps. The current control system is staying intact with the SCADA only interfacing with the PLC/HMI. The proposal is not for new control panels.

Question: Do each of these pump stations have their own generator system?

Answer: No they do not. There is a connection available for a portable generator to be connected.

Question: Some of the requested parts are obsolete and currently unavailable by the specified manufacturer. As an example SqD no longer makes a main breaker and auxiliary breaker that are tied together by mechanical interlock (Pg 5, B4). Cutler Hammer has the product available. How should we proceed?

Answer: This is not a valid question as none of these parts are to be supplied with the SCADA system. The proposer needs to go through the documentation again to see what is to be supplied. Please read the documents again.

Question: Page 9 I1 References air conditioners are required for enclosures that house VFD's. Are there any VFD's on the project?

Answer: The Proposal is for SCADA ONLY not for the enclosures.

Question: Who is the manufacturer of the existing HMI software at the Water Plant or Wastewater Plant?

Answer: Water Plant: SQUARE D Wastewater Plant: None. This will be supplied by the vendor.

Question: Is it desired to have the new cellular modems installed in the existing panels or in a separate enclosure? If the modems will be installed inside the existing panels, can a panel layout drawing be provided to ensure that there is adequate space to install the device?

Answer: There is ample room in the panels for the modem and the WWTP Maintenance crew will be installing them. If there is not the required room the City of Oak Ridge will take care of any additional enclosure that may be needed.

Question: Is there any preference on how to power the modem; 120VAC or 24VDC?

Answer: We prefer the 24VDC.

Question: Is there already instrumentation implemented to measure Pump's 1 and 2 current draw, run time, and run status?

Answer: Yes there is, the data is derived from starter/VFD and transmitted to the PLC via Modbus communications.

Acknowledge receipt of addendum number one and addendum two when you submit your proposal.
