

TEXAS GENERAL LAND OFFICE  
HURRICANE IKE/DOLLY ROUND 1 CRITICAL INFRASTRUCTURE PROJECT  
DISASTER RECOVERY DIVISION  
WATER & SEWER IMPROVEMENTS

JEFFERSON COUNTY WC&ID #10  
GRANTEE CONTRACT NO. DRS010219

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**ISSUED ON May 2, 2012**

**ADDENDUM NO. 4**

The following comments and responses are in reference to Technical Spec 1030 WTP SCADA SYSTEM. All comments and responses in this addenda shall be used to determine the Contractors bid for the Scada System.

1. SCADA system I/O field wiring systems (conduit, wireways, and boxes) shall be segregated by I/O type; analog, discrete, ethernet.
2. In section 1030.02 E. 1. There is a mention of a mandatory pre-bid walk-through shall be scheduled by the Owner / Engineer. We received the original specification too late to attend any pre-bid walk through. We have been to the site in the past and have taken site pictures. Will the "mandatory" walk through be waived?

The mandatory walk-through has been waived.

3. Section 1030.05 D. 2. Please advise whether Foxboro IGP10 series Gauge Pressure Transmitter would be accepted as equal to Rosemount Model 2088?

The Foxboro IGP10 series is approved.

4. Section 1030.07 F. Based on other information reviewed in the specification, it appears there will be stand by power by Generator at the Lift Station #1 RTU site. Therefore, would one hour of battery backup be acceptable, instead of the stated "minimum of 4 hours"?

Good point made. One hour is acceptable.

5. Section 1030.09 A. 2. The vendor for Wonderware advised in their quotation for the SCADA Alarm (latest version) that there may be an end of life announcement coming on this product in about a year. They recommend WIN911 as an equal. To avoid differences in bids, would you prefer to bid as written and then accept a change order if awarded?

WonderWare vendor representative is Kyle Rouvaldt, 972.580.0001x128.  
[Kyle.Rouvaldt@wonderwarewest.com](mailto:Kyle.Rouvaldt@wonderwarewest.com). Bid as specified and this issue will be resolved with the successful contractor.

6. Section 1030.05 E 2. - Plant to Distribution HV-37A and Plant to Waste HV-37B butterfly valves.

a. Is all of this accessible and above ground?

Inside the building air piping/tubing will be installed above ground.

b. ~~Is the existing air supply adequate to handle the extended length and additional valves?~~

Yes.

7. Item 24 and 25

a. Please confirm that only the Air Supply extension to existing VALVES is required for KY-113 and KY-114.

The contractor shall provide a solenoid valve and a new air supply to existing valve actuators.

b. Is all of this accessible and above ground?

Inside the building conduit and air piping/tubing will be installed above ground. Outside the building conduit and air piping shall be installed underground.

c. Is the existing air supply adequate to handle the extended length and additional valves?

Yes.

8. There are 2 ea VFD; #1 and #2 Raw Water VFD's;

a. Are these mounted in separate panels?

Yes.

b. Are the VFD Operator Interface are the only switches or lights expected on the VFD Panels?

Include a "Hand-Off-Remote switch and a "Run" pilot light on the enclosure.

c. Are these VFD's direct wire to the motors or is there a reversing contactor for either XL or VFD mode?

Direct wire.

d. Is there a disconnect on the panel(s)?

The specified circuit breaker (1030.05.A.2) will serve as the disconnect. It should be externally operable.

9. Is a push button operators panel for the flocculators expected?

Flocculator #1 requires modification to it's existing panel on the building inside east wall necessary to provide "Run" status to the PLC. For Flocculator #2 refer to Note 3 on Flow Diagram #2 Sheet 33. It will require a small panel consisting of a 120v single phase starter with auxiliary contact, a start PB, Stop PB, and a Run light. The panel shall be installed near the location shown on Sheet 36 for YS-111.

10. #3 Raw water pump shows it runs across the line with Hand Off Remote Switch Selector and a Run light.

- a. Is existing and will not change?

Yes.

- b. Is #3 Raw water pump control in it's own enclosure?

Yes.

11. Can we get a single line power drawing for the Raw water pumps?

Perhaps the following description will help: Presently each RWP has a dedicated FVNR motor starter locally mounted on a single rack near the pump station. Each starter is fed from an individual circuit breaker in a 240 volt, 3-ph. power panel located on the building inside east wall. Control switches and pilot lights are mounted in each starter enclosure.

12. Comments regarding the HMI computer (1030.08).

- a. The time duration between design and bid for grant projects can render computer specifications a bit "behind the curve" of technological product changes. As described in 1030.08, the computer specifications are denoted as minimum requirements. Provide the present Dell offerings that meet the minimum specifications.

- b. Microsoft Office Small Business Edition is now packaged as Microsoft Office Home and Business 2010.

- c. Provide a fax/modem card and any other devices needed to fulfill Specification Item 1030 communications, alarming, and operational requirements.

**END OF ADDENDUM NO. 4**

