



**LAKE WORTH DRAINAGE DISTRICT
SOLICITATION ADDENDUM**

Request for Proposal (RFP): RFB No. 16-9381L.02

Project: SCADA PROJECT

Addendum Number: 1

Date: Sept 15, 2016

Mandatory Contractor Bid Meeting:

Meeting Minutes:

The meeting started at 2:00 pm.

Mr. Antony Las Casas opened the meeting. He gave an introduction of the District explaining the canal system, control stations and history of the District and the need for a SCADA System.

Mr. Tom Butler gave a presentation overview of the Project. The overview included the breakdown of the different aspects of the project from the Structural, Electrical, Process Control and Administrative requirements. After the Presentation the meeting was open for general questions.

The following specific items were discussed:

Inquiry: *Would the contractors be able to store materials on site?*

Reply: No. the District will not be responsible for stored materials or equipment.

Inquiry: *Explain the 5% mobilization payment?*

Reply: The 5% mobilization payment shall be made when proof of Receipt of Bonds, Proof of Insurance and the purchase of at least one of the materials listed on the Basis Of Payments Attachment C of the RFB, is received by the District.

Inquiry: *What is the anticipated time frame for the project?*

Reply: The project schedule is 300 days for Substantial completion and 330 days for final completion. These are calendar days not work days.

Inquiry: *Are there Liquidated Damages?*

Reply: No.

Inquiry: *What Municipalities does the Project fall under?*

Reply: The Project does not fall under any municipalities and rests entirely in unincorporated Palm Beach County as a result all permitting shall be thru the Palm Beach County Building Department.

Inquiry: *Has the District had any preliminary discussions with PBC on permitting?*

Reply: No the District did not perform a dry run.

Note: **After the meeting we decided we will check with PBC on permitting the week of September 12th. See attachments for Permit information.**

Inquiry: *Are the contractors locked into a certain manufacturers for materials.*

Reply: Some items yes. One example is the PLC controller. We will be using Allen Bradley.
The Instrument and SCADA items are listed in the CH2M Specifications 40_90_00 and 40_91_00 in Volume 2. There are two or more manufactures listed for most Instrument and Electrical items and includes items like ATS and Surge protectors.
The structural calls out for certain specifications to be followed when being fabricated and installed.
In volume 4 Smith Engineering lists their Specifications and have more than one Manufacturer Listed for the Electrical Materials.
If there are no specifications listed then 01_61_00B Common Product Requirements shall be followed.

Inquiry: *What is the budgeted amount for the Project?*

Reply: The estimated Budget for the SCADA Project and Electrical Upgrade is \$3.8 Million.

Inquiry: *Is the control panel and the motor control panel the same?*

Reply: No. the control panel holds the PLC and gate controls. The motor control panel contains the motor starter and stop/start switches.

Inquiry: *What are the work days?*

Reply: Contractor work hours are as specified in 7.02B or otherwise restricted by local ordinance.

Inquiry: *Does the District have a safety program the contractor needs to follow?*

Reply: The Contractor is responsible for the safety of his crew and overall project. (SCADA Bid Package, Volume 1, Contractor Responsibilities Article 7, Paragraph 7.11)

Inquiry: *How about a Lock Out Tag Out procedure?*

Reply: Again the contractor is to use his own safety program including Lock Out and Tag Out procedures. (SCADA Bid Package, Volume 1, Contractor Responsibilities Article 7, Paragraph 7.11)

Inquiry: *Are the site visits mandatory?*

Reply: No, but recommended.

Inquiry: *What company will be handling the communications for the Telemetry system?*

Reply: There is no third party system. The system will operate under the District's Licensed Radio system.

Inquiry: *Will the Control Station be out of service during installation?*

Reply: The control station gates must be operational at all times. If power is not available the contractor will need to supply auxiliary power for gate operation. (See Volume 2, Division 1, Article 01_31_13B, Paragraph 1.06)

Inquiry: *What's the purpose of stop logs?*

Reply: Stop logs will allow operation of the gates during testing. The stop logs keep the upstream side from dumping downstream during gate operation. (See Volume 2, Division 1, Article 01_31_13B, Paragraph 1.06)

Inquiry: *Where do we get the stop logs?*

Reply: The contractor shall be responsible for installation and removal of the stop logs. The district will supply the stop logs as stated in Volume 2, Division 1, Article 01_31_13B, and Paragraph 1.06

Inquiry: *What about having the pumps out of service?*

Reply: No more than 2 pumps at a time will be out of service and no longer than 72 hours?
(See Volume 2, Division 1, Article 01_31_13B, Paragraph 1.06)

Inquiry: *Do all work sites have easy access?*

Reply: All sites have 'District' right a ways with gates for access. The awarded contractor will have a set of keys for the gates and control site buildings.

Inquiry: *Do you have existing drawings for the control stations.*

Reply: Very few if any. The drawings we do have are out dated.

Inquiry: *Will the residents in the area of the control stations need to be notified when construction starts in their area.*

Reply: No. It will be posted on the "Districts" web site.



**LAKE WORTH DRAINAGE DISTRICT
ACKNOWLEDGEMENT OF SOLICITATION ADDENDUM**

Request for Proposal (RFP): RFB No. 16-9381L.02

Project: SCADA PROJECT

Addendum Number: 1

Date: Sept 15, 2016

**Receipt of Response is hereby acknowledged and included in the submittal due
Oct. 05 2016.**

Respondent (Firm)

Printed Name & Title of Authorized Representative

Signature of Authorized Representative

Date



LAKE WORTH DRAINAGE DISTRICT

Contractor Mandatory Bid Meeting

2 p.m., September 6, 2016

- **Introduction: Antony Las Casas**
- **Make sure you have sign in on the sign in sheet with contact information.**
- **Power Point Presentation , SCADA Project:**

Site Work General

- a. **Permits by Contractor (SFWM permits by District)**
- b. **Contractor Facilities**
- c. **Professionalism on the Job**
- d. **Contractor Power Requirements**
- e. **CS #6 will require Authorization to Proceed**
- f. **Contractor shall provide temporary power at any time utility power is not connected to a gate actuator. Gates shall be operable through the actuator motor at all times.**
- g. **Stop logs to be used when gates are operated by the contractor.**
- h. **The contractor shall be responsible for the stop log installations and removals. The contractor shall have equipment ready and able to remove a stop log at any time when a stop log is installed.**
- i. **The contractor's work sequence shall not cause more than two pumps to be inoperable for a period greater than 72 hours.**

Structural Work

- a. **Walkways**
- b. **Building Installations (CS 2,3,11 & 12)**
- c. **Generator Pads and Installation**
- d. **Propane Fuel Tanks (buried with Cathodic Protection)**
- e. **Fences**
- f. **Antennas**

Electrical

- a. **Motor Starters**
- b. **Distribution Panels**
- c. **Motor Control Panels**
- d. **Lighting**
- e. **Lighting Panels**

SCADA

- a. Control Panels
- b. Bubble Tube Transmitters
- c. Level Pressure Transmitters
- d. PLC Controllers
- e. Panel View
- f. Radio Interface Devices
- g. Factory Talk Software
- h. UPS Systems
 - i. Headquarters Computer
 - j. Automatic Transfer Switches
 - k. Emergency Generators

Administrative

- a. Payment Procedures
- b. All correspondence will be in writing to LWDD
- c. LWDD will direct all correspondence to and from Engineering Groups

Details of Site visits September 7 & 8:

- a. 8:00 A.M. -Leave Headquarters for site tours.
- b. Divided in to 2 groups.
- c. 30 minutes per site for pictures and observation.
- d. Only general questions about the site.

Example Site Plan (CS# 2)

Ten (10) Existing Major Control Structures

Major SCADA/ELECTRICAL Construction Elements

Bid Timeline

- **Open Discussion and General Questions: All technical and specifications requirements are on the SCADA Project Contractor Bid Package Disk**

Sign In Sheet

(Mandatory Pre-Bid Meeting – September 6, 2016 @ 2:00 p.m.)

**Installation of a SCADA System that includes Structural, Radio Communications, Electrical, and Instrumentation and Process Control at Ten Water Control Structures and Headquarters
LWDD Project No./RFB No. 16-9381L.02 - Bid Opening 10/05/16 @ 4:00 PM**

PRINT NAME	COMPANY	TELEPHONE NUMBER	E-MAIL ADDRESS
Tom Clark	Florida Design Contractors	561-275-2280	tclarke@floridadesigncontractors.com
John Elder	Cardinal Contractors	954-587-0520	Estimating-ccie@prim.com
Nitism Krishnan	TLC Diversified, Inc.	941-722-0621	bids@tlcdiv.com
Dave Olmstead	SEC Engineering	561-616-3911	david@smithengineeringconsultants.com
Jim Hennigar	Douglas N. Higgins, Inc.	561-469-1622	jimh@dnhiggins.com
Malcolm Rogers	CR Dunn, Inc.	561-585-2155	malcolm@crdunn.net
Bill Brown	Expert Construction Mgrs., Inc.	813-335-4765	Bill@brown.org
Angel Curbelo	Miami Switchgear	786-336-5780 786-586-3629	utilectsolutions@gmail.com
Federico Anselmetti	ERF Construction	787-607-2835	erfconstruction@gmail.com
Anderson Moretti	West Construction	561-588-2027	nmartinez@westconstructioninc.net
Vladimir Scott	ICE Engineering	305-972-5399	Vladimir.scott@gmail.com
Al Laessig	Electron Corporation of South Florida, Inc.	561-744-1388	alaessig@aol.com
Luis Garcia	C.C. Control Corp.	561-293-3975	lgarcia@cccontrolcorp.com
Rene Viau	Energy Efficient Electric	561-655-7211	rene@energyeff.com
Jim Loring	Wesco CSC	941-685-7955	jloring@wesco.com
Patrick Lee	EDE	813-846-7608	Patrick.lee@edeusa.com

Sign In Sheet

(Mandatory Pre-Bid Meeting – September 6, 2016 @ 2:00 p.m.)

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PRINT NAME	COMPANY	TELEPHONE NUMBER	E-MAIL ADDRESS
Donald Steele	EDE	813-846-7608	Patrick.lee@edeusa.com
Ashley Dirou	Star Controls	561-847-5509	adirou@star-controls.com
Alejandro Kalaf	Arisen construction, Inc.	305-255-7747	alejandro@arisenusa.com
Larry Smith	Smith Engineering	561-616-3911 x202	larry@smithengineeringconsultants.com

Permit Information

1. Control Stations #1, #4, #6, #8, #9, and 17W
 - a. Electrical Permit Primary includes Generator
 - b. Propane Tank and Piping Sub permit
 - c. Site Lights and Antennas sub permit
2. Control Stations #2, #3, #11, and #12
 - a. Building Permit Primary includes Generator
 - b. Propane Tank and piping sub permit
 - c. Electrical Sub permit
 - d. Site Lights and Antennas Sub permit
3. Pre-cast buildings have to be State Certified either by the factory or a third party agency stamp for a State building /DCA building. Usually an approved State building will have a number and it needs to appear on the construction plans. If the building is not state certified then the plans need to be signed and sealed by a Florida Registered Engineer. The foundation if not part of the factory pre-cast building will have to be inspected at site and certified.
4. Soil testing required for Pre-cast building foundation requires certification by a Geo-Tech Engineer. (see SUBGRADE Preparation 31-23-13 B in Volume)
5. The plan reviewer stated this would not require a Planning & Zoning review for the control structure upgrades.
6. Permit Fees will be based on the value of the facilities upgrade being proposed.
7. Each site will require it's on permits.
8. Permit applications can be obtained on line @ P.B. County Building Dept.
9. Property surveys need to a company permit submittal for each control structure.
10. Flood zones need to be shown on the construction plans. This information can be found on the County website geonav under the Public Safety Map Layer/Flood maps proposed layer.



**Palm Beach County
Board of County Commissioners
Planning, Zoning & Building Dept.
Building Division**

DAVE DAVERSA
Construction Plans Examiner II

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