

**ATTACHMENT "A"
TASK AUTHORIZATION FORM**

In accordance with the Continuing Services Agreement RFQ # PW 18-04 dated August 16, 2018 between the City of Deltona, Florida, hereinafter referred to as "City", and Rocha Controls, hereinafter referred to as "Consultant", the City hereby authorizes Consultant to proceed with the services as set forth in the attached task order proposal as follows:

Project Number: 1166-09

Consultant: Rocha Controls

Scope of Work: Provide services for designing and implementing the IP video System Improvements at the (11) Water Treatment Plant Sites

Estimated Fees:

<u>Tasks</u>	<u>Total Cost</u>
1- Engineering and Project Management	\$ 8,125
2- Project Design	\$ 22,625
3- Panel Fabrication	\$ 88,275
4- Programming	\$ 26,520
5- Cameras	\$ 66,385
6- Camera Installation	\$ 77,595
7- Start-up, Training & O&M	\$ 3,520
8- Contingency	\$ 29,000
	\$322,045

Consultant's Project Manager: Mark B. Tyl, P.E., Director of Operations

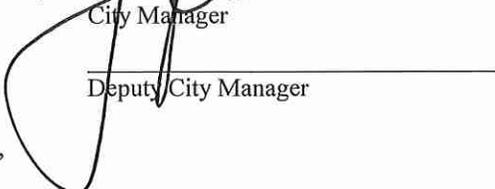
City's Designated Project Leader: Glenn Whitcomb, City Engineer

CONSULTANT

Accepted By:  12/23/2020
 Mark B. Tyl, P.E. Date
 Director of Operations

CITY

Reviewed and Accepted By:  1-4-21
 Public Works Director Date

If more than \$5,000:
 Reviewed and Accepted By:  3/30/21
 City Manager Date
 Date
 Deputy City Manager

cc: As applicable,



Rocha Controls - Municipal and Industrial Control Systems

5025 Rio Vista Ave

Tampa, FL 33634

813-628-5584 ph 813-664-6713 fax

www.rochacontrols.com

December 23, 2020

Glenn Whitcomb.
City of Deltona
255 Enterprise Road
Deltona, FL 32725

Re: Deltona Water IP Video System Improvements

Mr. Whitcomb:

Rocha Controls (RC) is pleased to submit this proposal to provide services for designing and implementing the IP video System Improvements at the following eleven (11) sites:

- Plant #1 Wellington WTP – 660 N Wellington DR
- Plant #2 diamond Street WTP – 338 Diamond St
- Plant #5 Lombardy WTP – 1372 E Lombardy Dr
- Plant #6 Lombardy WTP – 1372 E Lombardy Dr
- Plant # 8 Courtland WTP – 2741 Courtland
- Plant # 11 Middle Courtland – 551 Courtland Blvd
- Plant #12 Sagamore WTP – 720 Sagamore Dr.
- Plant #13 Beaver Street WTP – 2882 Beaver Dr.
- Plant # 14 North Courtland WTP – 3396 Courtland
- Plant # 15 Omaha WTP – 2551 Omaha Dr.
- Plant #17 North Normandy WTP – 2308 N. Normady Blvd

Work will be conducted in accordance with the following project specifications:

- 01110 SUMMARY OF WORK DIVISION
- 16050 COMMON WORK RESULTS FOR ELECTRICAL
- 16750 COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY
- 16754 VIDEO SURVEILLANCE CONTROL AND MANAGEMENT SYSTEMS
- 16756 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS
- 17050 COMMON WORK RESULTS FOR PROCESS CONTROL AND INSTRUMENTATION SYSTEMS
- 17710 CONTROL SYSTEMS: PANELS, ENCLOSURES, AND PANEL COMPONENTS
- 17950 COMMISSIONING FOR INSTRUMENTATION AND CONTROLS

Scope:

The following services will be provided as part of this proposal:

1. Engineering and Project Management: This work provides the development of the scope of work and design coordination with Deltona Water (DW). RC will conduct one site visit for the purpose of documenting existing conditions and determining preliminary scope requirements. This work also includes project management for coordination of system installations, training, testing, meetings, clarification and contacting with sub-contractor, and development of project pricing.

The following meetings are included in this scope of work:

- MS Teams Project Kick-off Meeting
- Deltona Office – IP Video Configuration Kick-off Meeting
- Rocha Office - FAT

2. Design: RC will provide design documents and submittals for the following:

- IP video cameras and recorders.
- Security enclosures
- Cellular Modem, Antennas, antennas cables, CAT6A cables, etc.

RC will submit shop drawings including bill of materials and drawings for review and approval. RC will provide updated record drawings, O&M manuals, and one year warranty documentation.

A factory testing of systems will be scheduled once all the panels and cameras are ready and tested in advance by Rocha Controls. Test will include communication testing back to the main Video Management Server at the Alexander reclaim water facility via the Owner's private cellular network to ensure all communications and settings are pre-configured before field installation.

3. Programming: RC will provide programming of SCADA screens, on-site programming and field testing services to integrate new network video recorders (NVR) into the City's existing exacqVision enterprise server located at the Alexander reclaim water facility. Additional tasks include:

- Configure cellular modems and networked devices for proper communication between each WTP and the security system components at the Alexander reclaim water facility.
- Modify existing video management system central server at Alexander Plant to integrate new cameras.
- Conduct an IP Video configuration workshop with City staff.
- Prepare training and testing plans
- Provide Owner Training at Deltona Water
- Provide Final Field Testing of system

4. Cameras: Provide NVR (Dell Precision 3431 Tower) with exacqVision software and licenses for cameras at each site. Provide Outdoor PT IP megapixel Camera (Hikvision, DS-2DF8436IX-AELW) for each site. NVR will set inside a security enclosure and include 24" widescreen security monitor, and cellular modem. Work will include installation, and set-up and configuration of camera and NVR.

5. Installation: This task includes the demolition of existing camera and associated cabling. New work includes installation of cameras on existing pull, cellular antennas, hang security enclosure, run CAT6 cable within existing conduit, install breakers, conduit and wiring to provide new power to panel. Rocha reserves the right to request additional services for installation of new exterior camera conduit, earthwork and concrete, trenching, and roof penetrations.



6. Start-up, Training and O&Ms: RC will provide onsite operator training during the site construction.

Excluded

- Costs for cutting, removal and replacement of concrete drives.
- Costs for hardware and/or software upgrade existing VMS.
- It is intended to re-use existing camera poles and conduit. No exterior conduit installation, trenching or concrete work is included.
- Existing power distribution panels are in same room as proposed camera panels.
- Cellular Modems to be provided by City. Rocha Controls will provide the antenna and cabling as needed.

Costs:

Materials:

- Each Security Enclosure: \$8,025 x 11 sites = \$88,275
- Each Camera: \$6,035 x 11 sites = \$66,385

Labor:

- Project Management: \$8,125
- Engineering/Shop Drawings: \$22,625
- Programming: \$26,520
- Field Installation: \$77,595
- Training: \$3,520

Contingency: \$29,000

Total Cost **\$322,045**

If you have any questions on the details of this quotation, please call me on my cell phone at 813-924-3169 or email mtyl@rochacontrols.com

Sincerely,



Mark B. Tyl, PE
Director of Operations

