

**FIRST AMENDMENT TO AGREEMENT TO PROVIDE SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) SUPPORT SERVICES**

THIS FIRST AMENDMENT to the above-referenced agreement is entered into on January 19, 2021, by and between XV Solutions ("Consultant"), and the City of Santa Ana, a charter city and municipal corporation organized and existing under the Constitution and laws of the State of California ("City").

RECITALS

- A. The parties entered into Agreement No. A-2019-179, dated October 1, 2019, by which Consultant agreed to provide maintenance, programming, network support, and SCADA-related information technology services for the Water Resources Division of the Public Works Agency ("Agreement").
- B. The Agreement remains in effect through September 30, 2022, with provision for extension.
- C. The parties now wish to expand the scope of work and increase the amount to be expended under the Agreement in consideration of the expanded scope.

The Parties therefore agree:

- 1. **Section 1, Scope of Services**, is amended to include the scope of services described on Exhibit A.
- 2. **Section 2.a., Compensation**, is amended to increase the total sum to be expended under the term of the Agreement, including any extension periods, by \$473,250 for the expanded scope of services above.
- 3. Except as modified by this First Amendment, all terms and conditions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this First Amendment to the Agreement on the date and year first written above.

ATTEST

CITY OF SANTA ANA

Daisy Gomez
Clerk of the Council

Kristine Ridge
City Manager

[signatures continue on next page]

APPROVED AS TO FORM

Sonia R. Carvalho
City Attorney

By: John M. Funk
John M. Funk
Senior Assistant City Attorney

CONSULTANT

XV Solutions

Servando Varela
By: Servando Varela
Title: owner

RECOMMENDED FOR APPROVAL

Nabil Saba
Executive Director
Public Works Agency

Ship To: CITY OF SANTA ANA
220 S. DAISY AVE
SANTA ANA, CA 92703

Attn: Rodolfo Rosas
CITY OF SANTA ANA
direct (714) -552-6956

Bill To: CITY OF SANTA ANA
220 S. DAISY AVE
SANTA ANA, CA 92703

From: Servando Varela
xsvarela@gmail.com
mobile (714) 269-8190
office (714) 559-1959

Thank you for the opportunity to offer you this quote!

SCADA UPGRADE INTEGRATION & PROJECT MANAGEMENT SERVICES

This is a Time and Material (T&M) proposal for XV Solutions, to provide a Wonderware System Platform-based and OMI Migration for the City of Santa Ana from the legacy DYNAC-ES SCADA software system.

Scope of work for this project consists management of the end-to-end project, plus integration services for all of the SCADA sites with the exception of Walnut Station which will be implemented by Wonderware, but will be supervised by XV Solutions. The management of the project will include coordinating with Wonderware to receive the new preconfigured systems, installation and provisioning of the systems on the Water Production SCADA network, providing Wonderware with the SCADA information necessary to implement Walnut, such as tags and MODBUS addresses and validating Wonderware's documentation for the backup, restore and high availability operations. The integration services will include creation of new System Platform-based SCADA system, utilizing the standardized System Platform objects and OMI-based graphics developed by Wonderware for Walnut station.

Scope of work includes:

1. Oversee project kick-off, design and implementation of Walnut Station, which shall include
 - Design & deployment of new System Platform-based architecture (the City already has a Historian and Dream Report deployed, this included the migration of these systems onto the new environment)
 - Design & development of new standard System Platform templates Design & development of new OMI-based graphics
 - Deployment, testing, & commissioning of new system for the Walnut Pump Station, plus Post-commissioning support
2. Utilize the standardized graphics from Walnut station and implement the rest of the stations and sites in the Water Production System, which includes:
 - Main Stations: Garthe, Crook, Cambridge, West, and South
 - Sites: San Lorenzo (old Segerstrom site), PRVs, Elevated Tank, and all System Wells
 - For each one of the sites, the implementation will include the mapping of all existing PLC points from DYNAC onto Wonderware System Platform plus the development of SCADA graphics, configuring alarms, and creating trend graphs

PROJECT RESPONSIBILITIES:

XV SOLUTIONS:

1. Project leadership and guidance for Wonderware and Apex
2. Hardware install, networking configuration, system startup and system maintenance
3. SCADA Integration for all sites, except for Walnut, which will be implemented by Wonderware/Apex under supervision.

WONDERWARE (SOFTWARE VENDOR, DISTRIBUTOR):

The assumption for this project assume that Wonderware will provide the following products and services

1. Preconfigured hardware and software, including a fully functioning Wonderware System Platform
2. Development and integration services for Walnut Station and usable graphical templates and HMI designs that can be reused for all of the other sites.

PO Number:

Duration: This quote is valid for until February 28, 2021

Freight:

Terms: Net 45 Days

Pages: 1 of 4



22013 Lakeland Ave
Lake Forest, CA 92630
(714) 269-8190
(714) 559-1959

QUOTE

230001.4

CTYSA

XV-SOLUTIONS – SCADA UPGRADE PROJECT

12/14/2020

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Quantity	Part Number/Description	Availability*	Tax	Price	Extension
80	PROVISIONING OF NEW SYSTEMS Receive preconfigured Wonderware systems, assign networking configuration, test startup, back, restore and failover procedures	80 Estimated TBD	N	\$150.00	\$12,000.00
35	MIGRATION OF EXISTING HISTORIAN AND REPORTS Migrate existing single-server WW Historian and Dream Report installation into the new environment	35 Estimated TBD	N	\$150.00	\$5,250.00
Sub-Total					\$17,250.00

MAJOR STATIONS: Garthe and Crook

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
160	GARTHE STATION Implement and test 5 booster pumps, 2 NaClO tanks, 4 reservoir wells, plus all valves and alarms	160 Estimated TBD	N	\$150.00	\$24,000.00
160	CAMBRIDGE Implement and test 3 boosters, 1 reservoir well, 1 NaClO tank, plus all valves and alarms	160 Estimated TBD	N	\$150.00	\$24,000.00
320	EAST STATION Implement and test 2 boosters, 1 reservoir well, 1 NaClO tank, plus all valves and alarms	320 Estimated TBD	N	\$150.00	\$48,000.00
320	WEST STATION Implement and test 5 boosters, 3 wells, plus all valves and alarms	320 Estimated TBD	N	\$150.00	\$48,000.00
160	SOUTH STATION Implement and test 2 boosters, 1 well, plus all valves and alarms	160 Estimated TBD	N	\$150.00	\$24,000.00
320	WALNUT STATION Oversee the implementation of this station, including design phase, implementation and testing.	320 Estimated TBD	N	\$150.00	\$48,000.00
160	CROOK STATION Implement and test 3 boosters, 2 reservoir wells, 2 NaClO tanks, plus all valves and alarms	160 Estimated TBD	N	\$150.00	\$24,000.00
Sub-Total					\$240,000.00

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Quantity	Part Number/Description	Availability*	Tax	Price	Extension
320	MWD 7 metropolitan water district connections, including valves, alarms, setpoints, and trends	320 Estimated TBD	N	\$150.00	\$48,000.00
160	PRVs and Elevated Tank 4 PRV stations and elevated tank	160 Estimated TBD	N	\$150.00	\$24,000.00
320	San Lorenzo (old Segerstrom) – M340 PLC Sewer lift station 2 pumps, setpoints, wet well level monitors, and alarms	320 Estimated TBD	N	\$150.00	\$48,000.00
160	Maxine Sewer lift station 2 pumps, setpoints, wet well level monitors and alarms	160 Estimated TBD	N	\$150.00	\$24,000.00
160	Well 40 1 well pump, 2 CL2 pumps, 3 valves, setpoints, status controls, and trend lines	160 Estimated TBD	N	\$150.00	\$24,000.00
320	System Wells 14 well sites, all pumps, setpoints, valves, status controls and trend lines	320 Estimated TBD	N	\$150.00	\$48,000.00
				<u>Sub-Total</u>	<u>\$216,000.00</u>

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Base Quotation Pricing Summary

Availability:

Taxable: \$0.00
Non-Taxable: \$473,250.00

- Time in transit is subject to change depending on the "Ship To" address that is provided by the customer at the time the order is placed and the method in which customer requests that the part(s) ship.
- For "In Stock" parts, orders must be received by 3:00PM PST to ship same day.
- For Factory Stock parts, please allow approximately one week for delivery via our standard shipping methods.

Subtotal: \$473,250.00
Tax (9.25%): \$0.00
Freight: \$0.00
TOTAL: \$473,250.00

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Pages: 4 of 4