

CITY OF HIGH POINT

AGENDA ITEM



Title: Westside WWTP SCADA Upgrade- Change Order #1
Piedmont Automation, Inc.

From: Robby Stone – Interim Public Services Director
Derrick Boone – Public Services Asst. Director

Meeting Date: February 21, 2022

Bid Number: 16-052621

Advertising Date: N/A

Advertised By: N/A

Public Hearing: N/A

Attachments: A) Change Order #1 Form
B) Supporting Documentation

PURPOSE:

To approve Change Order #1 to Piedmont Automation, Inc. for additional work to be performed as part of the upgrade to the SCADA (supervisory control and data acquisition) system at the Westside Wastewater Treatment Plant.

BACKGROUND:

The contract for the SCADA upgrade at the Westside WWTP was awarded to Piedmont Automation, Inc. on June 21, 2021 for \$ 230,400. Below is a summary of the additional work items that are to be covered under Change Order #1:

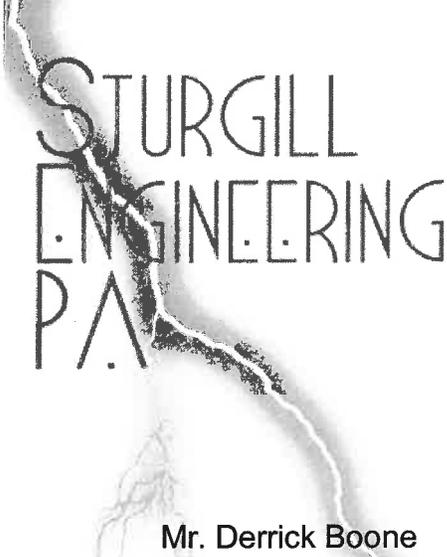
- Installation of a large Monitor for the SCADA overview of the physical plant, displaying alarms and other important data at a glance. The monitor will be connected to the SCADA server by a small, dedicated computer. Monitor, gather, and process real-time data.
- Adding an additional thin-client computer to be placed in the Residuals office at the Eastside plant. With the removal of Wonderware from Westside no data for Residuals reporting will be available at Eastside. With the addition of this SCADA thin-client computer all the needed data for reporting will be available at Eastside Residuals from the new Westside SCADA system.
- Project Time extension of 91 days.

BUDGET IMPACT:

Funds for this project are available in the 2021-2022 Budget.

RECOMMENDATION / ACTION REQUESTED:

The Public Services Department recommends the approval of Change Order #1 to Piedmont Automation, Inc. in the amount of \$ 6,750 and a time increase of 91 days.



STURGILL ENGINEERING P.A.

Mr. Derrick Boone
City of High Point
11 S Hamilton, Room 206
High Point, NC 27260

Re: City of High Point, North Carolina
Westside SCADA Upgrade:
Change Order #1 (Combined)
Sturgill Engineering, PA Project # O1130.4

Date: February 3, 2022

Engineers Supporting Documentation for Change Order #1:

**Proposal for Large Monitor - Piedmont Automation Quotation No. HPT2104Q1.1:
Cost Increase of \$2,350.00
No Time Increase**

A large monitor for the SCADA overview of the physical plant, displaying alarms and other important data at a glance. The monitor will be connected to the SCADA server by a small, dedicated computer. The addition of the large monitor was suggested in SCADA screen review meeting and then requested by owner. Programming includes computer operating system and SCADA application by Piedmont Automation. The installation and mounting of the hardware to the wall will be complete by the owner.

**Proposal for Eastside Computer Addition - Piedmont Automation Quotation No. HPT2104Q1.2:
Cost Increase of \$4,400.00
No Time Increase**

The thin-client computer will be placed in the Residuals office at the Eastside plant. With the removal of WanderWare from Westside no data for Residuals reporting will be available at Eastside. With the addition of this SCADA thin-client computer all the needed data for reporting will be available at East Residuals from the new Westside SCADA system. The hardware specifications are forwarded from the contract documents. The computer shall be a thin-client computer with the exact specifications and hardware as the thin-client that is to be installed at the Ward WTP. (Reference – Addendum 1: Item No.7).

Proposal for Project time extension - Piedmont Automation:

No Cost Increase

Time Increase 91 Days

Project extension is based on the projected delivery date of April 8 ,2022 for the computer hardware and server hardware for the Westside SCADA Upgrade project. This is a direct impact on the previous Final Project Completion date of April 11, 2022. The new Final Project Completion requested date is July 11, 2022.

Summary:

Cost Increase of \$6,750.00

Time Increase 91 Days

The explanation above is a brief description, please find more details in the supporting documentation. Please contact us with questions or comments.

Sincerely,

STURGILL ENGINEERING, PA


Randall W. Sturgill P.E.

Date of Issuance: 2-1-2022	Effective Date: Immediately
Owner: City of High Point	Owner's Contract No.: 16-052621
Contractor: Piedmont Automation, William Jessup	Contractor's Project No.:
Engineer: Sturgill Engineering, PA, Randall Sturgill, PE	Engineer's Project No.: 01130.4
Project: Westside SCADA	Contract Name: CHP Westside SCADA RPR

The Contract is modified as follows upon execution of this Change Order: (See The Following Change Proposals.)

Description: CP #1: Westside SCADA Upgrade Proposal for Large Monitor (21034) - \$2,350.00
Piedmont Automation Quotation No. HPT2104Q1.1

CP #2: Westside SCADA Upgrade Proposal for Eastside Computer Addition - \$4,400.00
Piedmont Automation Quotation No. HPT2104Q1.2

CP #3: Westside SCADA Upgrade Proposal for Project time extension

Attachments: *[List documents supporting change]*

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: \$ <u>230,400.00</u>	Original Contract Times: Final Completion: <u>4-11-2022</u> Ready for Final Payment: <u>210</u> days or dates
Increase from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : <u>Change Proposal #1 -\$2,350.00</u> <u>Change Proposal #2 -\$4,400.00</u> <u>Change Proposal #3 -\$0.0</u>	Increase from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : Final Completion: <u>4-11-2022</u> Ready for Final Payment: <u>210</u> days
Contract Price prior to this Change Order: \$ <u>230,400.00</u>	Contract Times prior to this Change Order: Final Completion: <u>4-11-2022</u> Ready for Final Payment: <u>210</u> days
<u>Increase of this Change Order:</u> <u>Increase Of \$6,750.00</u>	Increase of this Change Order: Final Completion: <u>7-11-2022</u> Ready for Final Payment: <u>301</u> days
Contract Price incorporating this Change Order: New Contract Price: \$ <u>237,150.00</u>	Contract Times with all approved Change Orders: Final Completion: <u>7-11-2022</u> Ready for Final Payment: <u>301</u> days

RECOMMENDED:		ACCEPTED:		ACCEPTED:	
By: <u></u>	By: _____	By: <u>William Jessup</u>	By: _____	By: _____	By: _____
Engineer	Owner (Authorized Signature)	Contractor (Authorized Signature)	_____	_____	_____
Title: <u>Principal/Owner</u>	Title _____	Title <u>Project Manager</u>	Title _____	_____	_____
Date: <u>1/21/2022</u>	Date _____	Date <u>2/1/2022</u>	Date _____	_____	_____

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____