

Bid Addendum

Addendum No. 1 for the City of Staunton Gardner Spring Pump Station, Augusta County, VA. Wiley|Wilson Comm. No. 220117.00.

Addendum Date: August 5, 2022

To: All Bidders

From: Wiley|Wilson
Lynchburg, VA

This Addendum contains 1 page(s) and listed attachments and forms a part of the bidding documents and modifies the Project Manual and Drawings dated May 27, 2022, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject bidder to disqualification.

Clarifications:

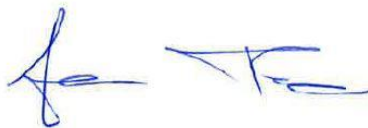
1. The sign in sheet from the mandatory pre-bid conference is attached. A plan holders list will not be maintained for this project. Interested parties are encouraged to review the sign in sheet.
2. The Valley Automation scope of work for programming, software configuration and on-site integration is included with this addendum and is hereby attached to the project manual. This work will be furnished by the Owner. All equipment and materials included in the scope of work must be installed by the Contractor as Owner-Furnished Equipment for Installation by Contractor per the Contract Documents.
3. As required by the Contract Documents and noted in the Geotechnical Report, blasting is not allowed due to proximity to the existing waterline. However, expansive grout is an allowable method for rock excavation.

Attachments:

1. Pre-Bid Sign In Sheet (3 pages)
2. Valley Automation Scope of Work (6 pages)

End of Addendum No. 1

Wiley|Wilson



Aaron Tice, P.E.



LIST OF PRE-BID CONFERENCE ATTENDEES
City of Staunton / Gardner Spring Pump Station
August 3, 2022; 10:00 AM

Company Name: ARCHER WESTERN General Contractor ☒ Subcontractor () Supplier ()
Address: 13454 SUNRISE VALLEY DR., HERNDON, VA 22171
Telephone Number: (512) 848-3008 Fax Number: (301) 347-4681
Attendee Name: RICK VROOM Email: rvroom@walshgroup.com

Company Name: Lantz Construction General Contractor ☒ Subcontractor () Supplier ()
Address: 539 S Main Street Broadway VA 22815
Telephone Number: 896-8911 Fax Number: 896-6502
Attendee Name: Alex Reed Email: AREED@Lantzcc.com

Company Name: Orders Construction General Contractor ☒ Subcontractor () Supplier ()
Address: 501 6th Ave. St. Albans, WV, 25177
Telephone Number: (304) 400-7170 Fax Number: (304) 722-4230
Attendee Name: Colton Turner Email: coltont@ordersconstruction.com

Company Name: COMMUNICATI EXU INC General Contractor () Subcontractor ☒ Supplier ()
Address: PO Box 897 VIKOMA VA 24482
Telephone Number: 540 248 2000 Fax Number: 540 248-2001
Attendee Name: Ira Biggs Email: casceia@hotmail.com

Company Name: Sydnor Hydro General Contractor () Subcontractor () Supplier ☒
Address: 2111 Magnolia St Richmond, VA
Telephone Number: 804-314-8583 Fax Number: _____
Attendee Name: Bruce Blount Email: b.blount@sydnorhydro.com

Company Name: MEB General Contractor ☒ Subcontractor () Supplier ()
Address: 4016 Holland Blvd, Chesapeake, VA 23323
Telephone Number: 804-249-0761 Fax Number: 804-749-6030
Attendee Name: John Thornton Email: j.thornton@meb.group+

LIST OF PRE-BID CONFERENCE ATTENDEES

City of Staunton / Gardner Spring Pump Station

August 3, 2022; 10:00 AM

Company Name: Waco Inc General Contractor ☒ Subcontractor ☐ Supplier ☐

Address: 5450 Lewis Rd Sandston VA

Telephone Number: 804-222-8440

Fax Number: 804-222-8441

Attendee Name: Matt Moore

Email: mattmoore@wacoinc.net

Company Name: Rocktown Excavating General Contractor ☐ Subcontractor ☒ Supplier ☐

Address: 410 Waterman Dr. Harrisonburg VA 22802

Telephone Number: 540-810-0861

Fax Number: _____

Attendee Name: Jordan Lehman

Email: jlehman@rocktownexcavating.com

Company Name: Allen Yoko Electrical General Contractor ☐ Subcontractor ☐ Supplier ☐

Address: 88 Commonwealth Drive, Lyndhurst, VA 22952

Telephone Number: (540) 280-8015

Fax Number: (540) 949-6784

Attendee Name: John Morris

Email: john.morris@aye-inc.com

Company Name: Valley Automation Inc. General Contractor ☐ Subcontractor ☒ Supplier ☐

Address: 3221 People's Drive, Harrisonburg, VA. 22801

Telephone Number: (540) 810-5285

Fax Number: _____

Attendee Name: GREG KEMPFER

Email: gkempfer@valleyautomation.net

Company Name: HANEN Construction Co Inc General Contractor ☒ Subcontractor ☐ Supplier ☐

Address: 1715 Hwy 411 N P.O. Box 350 ETOWAH TN 37331

Telephone Number: 423-263-5561

Fax Number: 423-263-5573

Attendee Name: MIKE HENNELL

Email: COBBAN@HANENCONSTRUCTION.COM

Company Name: Kiewit General Contractor ☒ Subcontractor ☐ Supplier ☐

Address: 4192 Innslake Drive Glenn Allen, VA

Telephone Number: 503-860-5547

Fax Number: _____

Attendee Name: Justin Green

Email: justin.green1@kiewit.com +

LIST OF PRE-BID CONFERENCE ATTENDEES
City of Staunton / Gardner Spring Pump Station
August 3, 2022; 10:00 AM

Company Name: City of Staunton General Contractor () Subcontractor () Supplier ()
Address: P.O. Box 58 Staunton, VA 24402
Telephone Number: 540-332-3858 Fax Number: _____
Attendee Name: Lyle Hartt Email: Hartt LM@ci.staunton.va.us

Company Name: CITY OF STAUNTON General Contractor () Subcontractor () Supplier ()
Address: P.O. Box 58 STAUNTON VA 24402
Telephone Number: 540-448-3570 Fax Number: _____
Attendee Name: MICHAEL FAULKNER Email: FAULKNER MS@CI.STAUNTON.VA.US

Company Name: City of Staunton General Contractor () Subcontractor () Supplier ()
Address: 116 W. Beverley St.
Telephone Number: 540-332-3809 Fax Number: _____
Attendee Name: Adrienne Hammel Email: _____

Company Name: City of Staunton General Contractor () Subcontractor () Supplier ()
Address: 116 W. Beverley St.
Telephone Number: 540-332-3948 Fax Number: _____
Attendee Name: Jessie Moycos Email: _____

Company Name: Wiley Wilson General Contractor () Subcontractor () Supplier ()
Address: 127 NATHANWIDE DR
Telephone Number: 434-455-3210 Fax Number: _____
Attendee Name: Aaron Tice Email: ATICE@WILEYWILSON.COM

Company Name: _____ General Contractor () Subcontractor () Supplier ()
Address: _____
Telephone Number: _____ Fax Number: _____
Attendee Name: _____ Email: _____ +



August 1, 2022

Mr. Aaron Tice, PE
Project Manager
Wiley & Wilson
127 Nationwide Drive
Lynchburg, VA 24502

RE: City of Staunton Gardner Spring Project

Mr. Aaron Tice, PE:

Thank you for contacting the offices of Valley Automation. Per request, we are providing a quotation to provide services as described in the Scope of Work. Valley Automation Inc. is a certified SWaM business and VA Class A Contractor.

Valley Automation shall provide following goods and services based on provided plans and our VASCUPP contract.

In general, VAI shall provide a complete pump control system to include Main Control Panel and instrumentation, CCTV rack and computer with monitor, mouse, and keyboard.

Please note, this Proposal is based on the 100% Plans, drawings, and bid meeting. We also based this proposal on similar projects and our knowledge of the existing Staunton Water Treatment Plant.

Scope of Work:

Valley Automation shall provide the following items:

Main Control Panel (PLC/RTU) –

1. Enclosure –
 - A. NEMA12. 72” x 24” x 18”
 - B. Door with 3-point lockable latch
 - C. Subpanel
 - D. Mounting Feet, 4”
 - E. Ground Bar
 - F. Ground Strap
 - G. Heater (moisture control)

3221 Peoples Drive – Suite 160, Harrisonburg, VA 22801

Phone: (540) 743-7772

DCJS 11-6642

www.valleyautomation.net

VA Class A Contractor

1316 E. Main St., Luray, VA 22835

Fax: (866) 436-6706

SWAM Certified

MSHA



- H. Light, no receptacle, with bulb
- 2. Transient Voltage Surge Suppressor – Citel DS240S-120/G
- 3. Incoming Power Monitoring Relay, 120VAC
- 4. Receptacle, din-rail mounting
- 5. Uninterruptible Power Supply, UPS –
 - A. Marathon Model SDRS-0500-H1 UPS
 - B. Marathon Model DASR-EXTL-01 UPS dry contact status option board
- 6. 24VDC Power Supply, 240W
- 7. PanelView Plus 7 Operator Interface Terminal – 2711P-T9W21D8S
- 8. 5069 Control System –
 - A. 5069-L306ER Processor
 - B. 5069-IB16 discrete input module, 16 point, 24VDC, sink/source (Qty. 2)
 - C. 5069-OB16 discrete output module, 16 point, 24VDC (Qty. 2)
 - D. 5069-IF8 analog input module, 8 Channel (Qty. 2)
 - E. 5069-OF8 analog output module, 8 Channel (Qty. 2)
- 9. H-O-A Selector Switches –
 - A. Hand – pump runs in hand / manual mode. In Hand –
 - 1) On pushbutton – VFD runs at preset speed. Ramps to speed.
 - 2) Off pushbutton – VFD stops; decelerates to a stop.
 - B. Off – pump is off; will not run.
 - C. Auto – runs in automatic mode per function code from programmable logic controller.
- 10. Fuses and Isolation relays on all discrete inputs and discrete outputs for instrumentation and other field devices that leave the control cabinet.
- 11. Analog Isolation / Surge Protection Devices for all analog inputs and outputs for instrumentation and other field devices that leave the control cabinet.
- 12. Circuit Breaker and Fuse protection for control panel devices, as required.
- 13. Terminals for all field devices.
- 14. Grace Port, NEMA4X, with ethernet RJ45 connection. – ZIP Port Model ZP-PNA-06-101.

CCTV Equipment Rack –

- 1. 16U Office Cabinet Rack – RackSolutions' 16U Office Cabinet

Main Station SCADA Rack –

- 1. Computer – DELL OptiPlex 7090 Tower WCTO



2. Monitor – DELL E2422H
3. Keyboard & Mouse
4. Industrial Computer Workstation Table

Instrumentation –

1. Door Switches:
 - A. ZS44 Door 100
 - B. ZS45 Door 100B
 - C. ZS93 Door 100A
 - D. ZS94 Door 101A
2. PIT8 Discharge Head Pressure – ProSense PTD25-20-0100H: 4-20mA loop powered (24VDC), 0 to 100 psi. [or -0200H for 0 to 200 psi] [with one spare]
3. TE/TIT10 Pump Room Temperature – Dwyer Model BTT-N00-3
4. TE/TIT98 Electrical Room Temperature – Dwyer Model BTT-N00-3
5. LE/LT89 P3 Water Level – Dwyer Model SBLT2-20-60, submersible level transmitter, range 20 psi (46.18 ft wc) (14.08 m wc), 60 ft (18.3 m) polyurethane cable. [with one spare]
 - A. 316 SS Cable Hanger
 - B. Desiccant filter for vent tube. [with one spare]

To accomplish satisfactory completion of this project, Valley Automation will provide the following services:

Engineering –

1. Project Management – VAI shall assign a Project Manager. The project manager shall be the interface between the Engineer and Owner and VAI. The P.M. is responsibilities include scheduling, progress meetings, material orders, and overall oversight of the job.
2. Supervision – an engineer shall be assigned as the onsite VAI representative. This engineer shall work with the other trades (mechanical and electrical) on direction for field device installations. This engineer shall supervise all VAI onsite personnel and is responsible for work plans and safety.
3. Design –
 - A. Electrical Schematics of the Control Panel. This task is performed by VAI Sr. Automation Engineering and internally reviewed.
 - B. Loop Drawings for field control wiring. This task is performed by VAI Sr. Automation Engineering and internally reviewed.
4. Submittals –
 - A. Hardware



B. Software –

- 1) After a review of the existing SCADA software system, VAI shall recommend any software upgrades and submit for approval. *This will be an additional cost if upgrades are required.*
- 2) Control Code – a functional description and flow diagram of the pump station control code shall be presented to the Engineer for approval. This code may not accurately represent the final functional code. The control code shall be the programmable logic controller code and Operator Interface Terminal (HMI) screens.
- 3) SCADA System – VAI shall provide screen shots with descriptions for review and approval by the Engineer and Owner. These shall be developed in conjunction with the VAI SCADA programmer and Engineer/Owner meeting.

C. Test Plans –

- 1) Factory Acceptance Test – control system to be tested at VAI Wallace Panel Shop. Engineer and Owner's representatives are invited to witness. The system shall be tested for power, IO, and control functions. Field signals shall be simulated if not feasible to test instrumentation. For example, 4-20mA wet well signal shall be simulated.
- 2) Power & IO Test – performed onsite. Purpose of this test is to verify power and field wiring terminations and instrumentation operation.
- 3) Site Acceptance Test – witnessed by the Engineer and Owner's representative(s), this test shall verify the functions of the control system.
- 4) SCADA Acceptance Test – witnessed by the Engineer and Owner's representatives, this shall verify the remote monitoring and control functions as required between the Water Treatment Plant and the Gardner Spring Pump Station.

5. Programming –

- A. PLC
- B. HMI
- C. SCADA

6. Testing –

- A. Factory Acceptance Test
- B. Power and IO Test
- C. Function Test
- D. Site Acceptance Test

Technical –

1. Panel Fabrication
2. Factory Acceptance Test support



3. Panel Terminations (onsite)
4. Power and IO Testing support
5. Site Acceptance Test support

City of Staunton shall provide the following –

1. Uninterruptible Power Supply for CCTV rack.
2. Ethernet Switch for CCTV rack.

Costs:



Valley Automation, Inc. shall be held harmless for any delays regarding delivery of equipment. Current delays from vendors are out of the control of Valley Automation, Inc. Immediate procurement shall take place for all hardware items upon receipt of a purchase order. Valley Automation, Inc. shall update customer of anticipated delivery dates as information is presented for review.

Payment Schedule / Milestone Payments:

1. Per specification section 01370, Valley Automation Inc. shall use a Schedule of Values format for applications for payment.
2. The Schedule of Values shall use progress payments based on performance task completion.
3. Performance tasks and percentage of value shall be determined by contract between Valley Automation Inc. and Mr. Aaron Tice, PE

All work to be performed during normal business hours, Monday – Friday, 8 a.m. to 5 p.m. Any additional work, or work outside of the normal business hours, shall be performed at Valley Automation Inc. Standard Rates. [See Appendix A]

Valley Automation, Inc is prepared to start on this project upon the receipt of a purchase order. Receipt of purchase order signifies Wiley & Wilson acceptance of all terms and conditions described in the Scope of Work.



Valley Automation Inc. appreciates the opportunity to provide Wiley & Wilson this proposal for your consideration. If you have any questions, please contact Patrick Embry or Greg Kempfer.

Patrick C. Embry
Sr. Systems Engineer – Owner
Valley Automation, Inc.
1316 East Main St.
Luray, VA 22825
O: (540) 743-7772
C: (540) 271-3854

Greg Kempfer
Sr. Automation Engineer
Valley Automation, Inc.
3221 Peoples Drive, Suite 160
Harrisonburg, VA 22801
O: (540) 433-3666
C: (540) 810-5285

Sincerely,
Greg Kempfer
Sr. Automation Engineer
Valley Automation, Inc.