

Shoal Creek WRF UV Replacement

	ADDENDUM No. 1
Date	Monday, April 5, 2021
Bid Number	2021-WR-04
Pre-Bid Meeting	Friday, April 2, 2021 at 2:00 p.m. local time
Bid Opening	Friday, April 16, 2021 at 2:00 p.m. local time

1600 Battle Creek Road Morrow, GA 30260

ADDENDUM MUST BE SIGNED AND INCLUDED IN YOUR BID SUBMITTAL

SECTION 00 91 13.01 ADDENDUM NO. 1

PART 1 - REVISIONS TO THE PROJECT MANUAL

The following REVISIONS shall be incorporated into the PROJECT MANUAL for the above-referenced project:

- A. Cover, Volumes 1, 2, and 3, revise as follows,
 - 1. Replace "2021-WR-03" with "2021-WR-04"
- B. Section 46 66 01, Ultraviolet Disinfection System Installation
 - 1. Part 3.03-C, revised as follows, "Intensive Performance Tests: The UV Supplier shall test the complete UV system to meet the design conditions of service. The UV Supplier shall complete head loss, power demand measurements and UV intensity measurements at average conditions and with all lamps on, and effluent quality testing at simulated design conditions. UV Supplier or Contractor shall collect samples and Contractor shall contract with a third-party laboratory for the following analysis:"
- C. Section 46 66 00, Ultraviolet Disinfection System, Appendix A
 - 1. Part 3.07-G-3, revised as follows: "Samples shall be taken and analyzed by Owner Contractor as follows:"
 - 2. Part 3.07-H, revised as follows: "Thirty samples *consecutively collected and* selected by the Owner from the automatic control performance tests shall have a geometric mean of Fecal Coliform less than 200 /100 mL."
- D. Section 00 41 00, Bid Form
 - 1. Replace Section 00 41 00 Bid Form in its entirety with revised Bid Form attached to this Addendum.



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All other terms and conditions of the PROJECT MANUAL remain unchanged.

PART 2 - REVISIONS TO THE DRAWINGS

The following REVISIONS shall be incorporated into the DRAWINGS for the above-referenced project:

A. Sheet E102

1. Add Note "10. Terminate the PDC power supply feeder conduit in the side of the PDC cabinet per manufacturer's instructions. Provide the specified watertight conduit hub." See attached.

All other terms and conditions of the DRAWINGS remain unchanged.

PART 3 – QUESTIONS AND ANSWERS

The following QUESTIONS and ANSWERS shall be incorporated into the PROJECT MANUAL for the above-referenced project:

Q1: The drawings are scans and not searchable. Is a cleaner copy available?

A1: Contract Volume 3: Drawings is a scanned set of original drawings signed and sealed as per the Rules and Regulations of the State of Georgia, Chapter 180-12.

A copy of the Drawings can be downloaded from Quest CDN under 'Q&A'. From the Quest CDN 'Project Page', click 'Q&A' button to display available reference documents. This copy does not contain seals and is for information purposes only. This copy shall not be considered a certified document and will not be incorporated into the Contract.

Q2: Please provide copies of the available reports listed in Supplementary Conditions, Paragraph 5.03.

A2: The reports, tests and drawings described in Section 00 73 00 Supplementary Conditions, Paragraph 5.03 can be downloaded from Quest CDN under 'Q & A'.



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From the Quest CDN 'Project' page, click 'Q & A' button to display available reports and drawings. This includes facility as-builts and UV system documentation from Trojan. Planholders may contact Tammy Hill at 770-330-2946 if additional assistance is required with accessing the reports and drawings.

Q3: What is the project budget?

A3: An engineer's estimate is not available for this project.

Q4: Who is responsible for paying for laboratory services during Intensive Performance Testing and Automatic Control Performance Testing of the UV System?

A4: Contractor is responsible for contracting for laboratory service during Intensive Performance Testing and Automatic Control Performance Testing of the UV System.

Q5: When does the 14 Day Operating Test period specified in Section 01 73 00 Execution of Work begin relative to Substantial Completion and testing specified in Section 46 66 01 Ultraviolet Disinfection System Installation and 46 66 00 Ultraviolet Disinfection System Appendix A?

A5: All field tests specified in Section 46 66 01 and 46 66 00 must be completed prior to Substantial Completion, including Engineer approval of all manufacturer reports and test results and any deficiencies corrected. UV disinfection system field tests include Functional Test, Intensive Performance Test, and Automatic Control Performance Testing.

After Substantial Completion, the 14 Day Operating Test Period (facility startup and performance evaluation period to evaluate unit process and confirm facility performance) specified in Section 01 73 00 shall be scheduled by Contractor *after* each unit process is operational.

Q6: What items on the Drawings are proposed and what items are existing?

A6: See 'LINETYPES' on Drawing G001 for proposed and existing linetypes. When printing hard copies, planholders are advised to ensure that drawings are printed in grayscale, not black and white. If further clarification is needed, submit questions on specific items prior to the deadline for questions.

Q7: Can you provide the pre-bid meeting agenda and attendee list?



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ADDENDUM No. 1

	ABBENDON NO. 1
Date	Monday, April 5, 2021
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A7: A copy of the pre-bid meeting agenda and attendee list is attached to this addendum.

Q8: When is the Trojan UV equipment scheduled to be delivered to the site?

A8: The equipment is currently scheduled for delivery in early-August. If the

Contractor is not ready to receive the equipment at this time, the Engineer and Contractor will coordinate with Trojan to delay this shipment until such time as

the Contractor is ready for its receipt.

PART 4 – ATTACHMENTS

- A. Revised Section 00 41 00 Bid Form
- B. Revision to Drawing Sheet E102
- C. Pre-Bid Meeting Agenda
- D. Pre-Bid Meeting Attendance Sheet

END OF SECTION

Acknowledgme	ent of receipt of this addendum must be signed and included in your bid submittal.
Company Name	
Signature	
Date	

SECTION 00 41 00 BID FORM

ARTICLE 1 - BID RECIPIENT

1.01	Bid of							(hereinafter	
	"Bidder"), o	rganized an	d existing u	inder the la	ws of the Sta	te of			
								corporation," '	'a
								as is applicable	
	-				ority (hereinaf			• •	•
ARTI	CLE 2 – BIDI	DER'S ACK	NOWLEDG	SEMENTS	AND CERTIF	ICATION	IS		
2.01	proposes t	o perform a	all Work for Contract D	r the Sho ocuments	al Creek WF as enumera	RF UV R ted in th	epla e A	l, Bidder herek acement in stri dvertisement fo es stated below	ct or
2.02	In submittir thorough vi	ng this bid, sual examir	Bidder certination of the	ifies that the Site and a	ne Bidder has idjacent areas	visited t s, and bed	he S come	Site, conducted e familiar with the erformance of th	a ie
		Site Visit							
	•			(ir	sert date)				

- 2.03 By submission of this Bid, Bidder certifies, and in the case of joint Bid each party thereto certifies as to the party's own organization that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor. Bidder also certifies compliance with the Instructions to Bidders.
- 2.04 In submitting this Bid, Bidder acknowledges and accepts Contractor's representations as more fully set forth in Section 00 52 00 Agreement.
- 2.05 In submitting this Bid, Bidder certifies Bidder is qualified to do business in the state where the Project is located as required by laws, rules, and regulations or, if allowed by statute, covenants to obtain such qualification prior to contract award.
- 2.06 In submitting this Bid, Bidder accepts all terms and conditions of the Bidding Documents. Contract Execution: The undersigned Bidder agrees, if this Bid is accepted, to enter into an Agreement with Owner on the form included in the Bidding Documents to perform and furnish Work as specified or indicated in the Bidding Documents for the Contract Price derived from the Bid and within the Contract Times indicated in the Agreement and in accordance with the other terms and conditions of the Bidding documents.

- 2.07 Insurance: Bidder further agrees that the Bid amount(s) stated herein includes specific consideration for the insurance coverages specified in Section 00 72 00 General Conditions and Section 00 73 00 Supplementary Conditions.
- 2.08 Liquidated Damages: Bidder accepts the provisions in Section 00 52 00 Agreement as to liquidated damages.
- 2.09 Sales and Use Taxes: Bidder agrees to cooperate with Owner in accordance with the provisions in Section 00 73 00 Supplementary Conditions paragraph 7.10E.
- 2.10 Addenda: The Bidder hereby acknowledges that he has received the following Addenda to these Specifications (Bidder shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Bid includes all impacts resulting from said Addenda.

Addendum No.	Date Received	_	Addendum No.	Date Received
		-		

ARTICLE 3 – BASIS OF BID

Bidder will complete the Work in accordance with the Contract Documents for the amount as listed below. Total bid amount shall be shown in words and numbers. In case of discrepancy, the bid amount shown in words will govern.

3.01 Bid Item 1 - Lump Sum Bid

Bidder agrees to accept as full payment for the **Lump Sum Work** proposed within the Bidding Documents, based upon the undersigned's own estimate of quantities and costs and including taxes, overhead, and profit, the following:

LUMP SUM BID PRICE: \$	

3.02 Bid Item 2 - Cash Allowances

Bidder agrees that the following allowance, as further described in Measurement and Payment for additional work, will be furnished and paid for on a cash allowance basis.

Item	Description	Supplier	Specification	Cash Allowance
2.1	Construction Verification Surveying	TBD	00 72 00	\$10,000
2.2	Trojan UV System Value Engineering Items [ADD NO. 1]	Trojan Technologies	46 66 00, 46 66 01	\$5,000

3.03 Bid Item 3 - Contingency Allowances

Bidder agrees that the following allowance, as further described in Measurement and Payment for additional work, will be furnished and paid for on a contingency allowance basis.

Item	Description	Contingency Allowance
3.1	Unforeseen Work Elements	\$200,000

Bidder acknowledges that the total of the amounts shown above are estimated amounts to be included in the Base Bid, and that final payment will be based on actual costs as determined in conformance with the Bidding Documents and as authorized by Change Order.

		_ Dollars and	Cents
	TOTAL BASE BID WRITTEN IN WORDS		
	TOTAL BASE BID PRICE (Sum of Items 1, 2, and 3):	\$	
3.04	Total Base Bid		

ARTICLE 4 – LIST OF SUBCONTRACTORS

4.01 The Bidder submits the following list of Subcontractors to be used in the performance of work to be done on said Project.

Or "Self-Perform"
MR Systems

- A. The list of Subcontractors and all responsibilities of all disciplines shall be based on requirements of the Contract Documents.
- B. It is understood and agreed that, if awarded a Contract, the Contractor will not make any additions, deletions, or substitutions to this list without the consent of the Owner.

ARTICLE 5 - EQUIPMENT / MATERIAL MANUFACTURERS

5.01 Owner Selected Equipment/Supplier Schedule

The Bidder shall provide identification of the equipment manufacturer being supplied for each component listed below. See specifications for approved manufacturers for each component.

Item	Component	Specification Section	Selected Manufacturer	
1	Motor Control Centers	26 24 19	A: Eaton	
	Variable Frequency Drives	26 29 23	B: Square D	
	Enclosed Motor Controllers	26 29 13.16	No Substitutes	
2			A: Allen-Bradley	
	PLC Hardware	40 63 43	CompactLogix	
			No Substitutes	

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and completed and ready for final payment in accordance with Section 00 72 00 General Conditions paragraph 15.06 on or before the dates or within the number of calendar days indicated in Section 00 52 00 Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated and special damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – SURETY

7.01	If Bidder is awarded a construction contract from this Bid, the surety who provides Performance and Payment Bonds shall be:				
			whose	address is	
	Street	City	State	Zip	

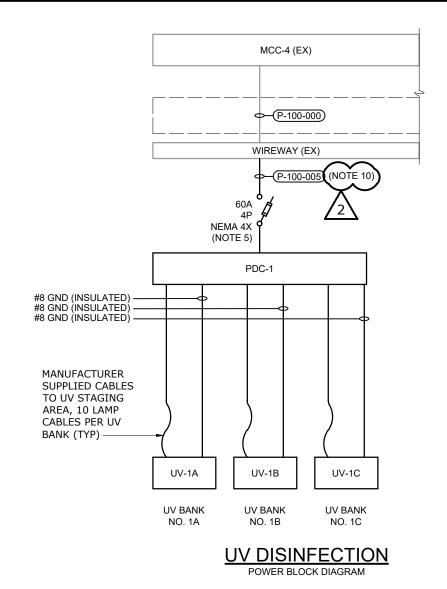
ARTICLE 8 – SLBE CERTIFICATION Is the Bidder a CCWA-certified SLBE $\ \square$ Yes $\ \square$ No County: **ARTICLE 9 – BID SUBMITTAL** This Bid submitted on ______, 20___ by: 9.01 Corporation Name: (State of Incorporation) By: (Signature – Attach evidence of authority to sign) Name and Title: (Typed or Printed) (CORPORATE SEAL) Attest (Secretary) (Date) Georgia Utility Contractor's License Number: (Successful Bidder will be required to hold a valid Georgia Utility Contractor's License) **Business Address:**

END OF SECTION

Phone No.:

E-mail:

Website:



NOTES:

- SEE MECHANICAL DEMOLITION DRAWINGS FOR EQUIPMENT BEING DEMOLISHED. PROVIDE ELECTRICAL SUPPORT AS REQUIRED.
- 2. PROVIDE JUNCTION BOXES WITH INTERNAL BARRIER AS REQUIRED TO SEGREGATE WIRING OF DIFFERENT VOLTAGE CLASSES.
- 3. PROVIDE TERMINAL JUNCTION BOX AT LOCATION OF DEMOLISHED TROJAN CONTROL PANEL IN ELECTRICAL ROOM TO INTERCEPT EXISTING CONDUITS.
- WHERE CABLES TRANSITION BETWEEN CONDUIT AND CABLE TRAY, DISCONTINUE INSTALLATION IN CONDUIT AND INSTALL CABLES DIRECTLY IN TRAY.
- PROVIDE CURRENT LIMITING FUSES TO COORDINATE WITH THE SHORT CIRCUIT RATING OF THE UV MANUFACTURER'S EQUIPMENT.
- EXISTING INSTRUMENT ENCLOSURE. MOUNT NEW EQUIPMENT INSIDE ENCLOSURE AS SHOWN.
- INTERCEPT EXISTING CONDUIT BELOW INSTRUMENT ENCLOSURE AND INSTALL JUNCTION BOX.
- 8. REPLACE EXISTING RECEPTACLE WITH INDICATED TYPE AND A WEATHERPROOF WHILE-IN-USE COVER.
- PROVIDE RECEPTACLE TYPE AS INDICATED AND A WEATHERPROOF WHILE-IN-USE COVER. MATCH NEMA CONFIGURATION OF PLUG ON PUMP CABLE.
- 10. TERMINATE THE PDC POWER SUPPLY FEEDER
 CONDUIT IN THE SIDE OF THE PDC CABINET PER
 MANUFACTURER'S INSTRUCTIONS. PROVIDE THE
 SPECIFIED WATERTIGHT CONDUIT HUB.

ADDENDUM NO.	DATE 03-29-21	CLAYTON COUNTY WATER AUTHORITY MORROW, GEORGIA	HAZEN JOB NUMBER 32457-018	REFER TO CONTRACT DRAWING NUMBER E102
ATTACHMENT NO.	вү TLH	SHOAL CREEK WRF UV REPLACEMENT	CONTRACT NUMBER 1	SHEET 1 OF 1





April 2, 2021

Location: Join Microsoft Teams Meeting

or

Phone number: <u>+1 470-443-0872</u>

Conference ID: 414 033 676#

Time: 2:00 PM

Subject: Non-Mandatory Pre-Bid Meeting

2021-WR-04 Shoal Creek WRF UV Replacement

Introductions Hazen

Disclaimer Hazen

Any statements expressed in this meeting are non-binding. Any questions a proposer may have shall be answered by reviewing the Request for Bid documents or by submitting the questions in writing via email to Tammy Hill THILL@hazenandsawyer.com by "Deadline for Questions" time listed in the Bid Schedule below. Any and all responses to bidder's questions will be issued in the form of Addenda.

Addenda Hazen

- CCWA and Hazen will provide responses to all questions via addenda.
- Addenda will be posted on Quest CDN website (https://www.questcdn.com) under eBidDoc project number 7533277 and made available to all planholders.
- Addenda are to be acknowledged on Section 00 41 00 Bid Form.
- All addenda issued shall become part of the Bid Documents.

Project Overview Hazen

The Project consists of improvements to the Shoal Creek WRF Ultraviolet Disinfection (UV) System. The Work to be performed under this Contract includes, but is not limited to, the following:



- Demolish existing ultraviolet (UV) disinfection equipment.
- Modify existing UV effluent weir, channel, and channel covers.
- Provide structural, electrical and instrumentation and control modifications as required for new UV disinfection equipment.
- Receive, properly store, install, test, and startup ultraviolet (UV) disinfection equipment. The new UV disinfection equipment will be furnished by the Owner.
- Construct concrete vault for new magnetic flow meter. Provide structural, electrical and instrumentation and control improvements as required for new vault and flow meter.
- Provide temporary diversion pumps, piping, valves, and instrumentation as required to maintain continuous operation of the treatment plant during construction.

Bid Documents Hazen

Accessing Bid Documents

- Copies of Bidding Documents are available at https://www.questcdn.com upon payment of \$15.00, nonrefundable, for download and printing access. All Bidders are required to purchase a set of the Bidding Documents.
- Bidding Documents can be searched for in the Quest CDN project search bar under Project Number (eBidDoc#) 7533277.
- Hard copies of Bidding Documents are the responsibility of the Bidders.
- By purchasing the Bidding Documents, purchaser agrees to allow company information (company name, address, phone and email) to be published as a "planholder".
- The Owner is not obligated to consider a Bidder's proposal if Bidder is not on record with QuestCDN as having received a complete set of Bidding Documents from QuestCDN.

Volume 1 - Procurement, Contracting, and General Requirements

- Section 00 21 13 Instructions to Bidders
 - Part 1.04 Mandatory Site Visit
 - o Part 1.07 Reputation of Bidder (Section 00 45 13 Bidders Qualifications)
 - o Part 1.12 SLBE Participation (Section 00 43 39.02 SLBE Program Discount)
- Section 00 31 00 Bid Form
 - Article 2.02 Acknowledge Site Visit
 - o Article 3.01 Lump Sum Bid



- Article 3.02 Cash Allowances
- Article 4 Subcontractors
- o Article 5 Manufacturers
- Section 00 73 00 Supplementary Conditions
 - o SC-5.03 Available Reports
- Section 01 11 11 Summary of Work
 - o Part 1.07 Owner-furnished Equipment and Materials
- Section 01 14 00 Coordination with Owner's Operations
 - Part 1.03 Administration Period
 - Part 1.07 Suggested Sequence of Work
 - o Part 1.08 Shutdowns
 - Parts 3.02 & 3.03 Shutdown Requirements and Proposed Shutdown Sequence
- Section 01 20 00 Measurement and Payment
- Section 01 57 40 Temporary Pumping Systems
- Section 01 73 00 Execution of Work
- Section 01 79 00 Instruction of Owner's Personnel
- Section 00 52 00 Agreement (schedule)

Volume 2 – Technical Specifications

- Section 33 05 61 Utility Structures
 - Part 2 Products
 - Part 3 Execution
- Section 40 61 13 Process Control System General Provisions
 - o Part 1.04 Instrumentation and Control System Subcontractors
- Section 40 71 13.13 Inline Magnetic Flow Meters
 - Part 2 Products
- Section 46 66 01 Ultraviolet Disinfection System Installation
 - o 1.02 Division of Work



- o Part 3 Execution
- Appendix A
 - o Trojan UV System Scope of Supply
 - o Section 46 66 00 Ultraviolet Disinfection System

Volume 3 - Drawings

Bid Schedule Hazen

Milestone	Date	
Bid Documents Issued	Tuesday, March 16, 2021	
NON-MANDATORY Pre-Bid Meeting	Friday, April 2, 2020 (2:00 PM)	
MANDATORY Site Visit	Tuesday, April 6, 2021 Or Wednesday, April 7, 2021 (9:00 AM to 12:00 PM, either day)	
Deadline for Questions	Thursday, April 8, 2021 (10:00 AM)	
Issue Last Addendum	Tuesday, April 13, 2021 (10:00 AM)	
Bid Opening	Friday, April 16, 2021 (2:00 PM)	
Estimated Approval of Selected Contractor at CCWA Monthly Board Meeting	Thursday, May 6, 2021 (1:30 PM)	

Procurement CCWA

Submittal Requirements

Per Section 00 21 13 Part 1.16, Bidders shall complete and submit the following attachments with its Bid:

- Section 00 41 00 Bid Form
- Section 00 43 13 Georgia Bid Bond
- Section 00 45 13 Bidders Qualifications
- Section 00 45 19 Statement of Noncollusion
- Section 00 45 75 Georgia Security and Immigration Compliance Act of 2006 forms for both the Prime Contractor and for Subcontractors
- Section 00 43 39.02 CCWA SLBE Certification Letter or CCWA SLBE Application (if applicable)



In addition to the above, the following items are required to be included as a part of the bid submittal:

- Copies of all license(s) required to perform the work.
- Addenda
- W-9 Form
- Any other items as required in this RFB, including but not limited to the items contained in Section 00 21 13 Instruction to Bidders

Failure to include any of these items may result in the bid being deemed non-responsive.

Contract Requirements

Section 00 73 00 Supplementary Conditions, Exhibit A – Additional Insurance Requirements

Bid Evaluation

- The bid will be awarded to the lowest responsive responsible bidder whose bid conforms to the RFB specifications and will be the most advantageous to the CCWA.
- An evaluation will also be performed to ensure bidder complies with the required submittals. Determination of best responsive responsible bidder will be the sole judgment of the CCWA.

Small Local Business Enterprise

- This procurement has a Small Local Business Enterprise (SLBE) Bid Discount.
- Bid Discounts will be applied to CCWA-certified SLBE prime bidders only.
- Depending on the bidder's location, Bid Discounts will range between 7.5% and 10%.
- Please refer to Section 00 43 39.02 SLBE Program Discount for more details.

Questions & Answers





April 2, 2021

Location: <u>Join Microsoft Teams Meeting</u>

or

Phone number: <u>+1 470-443-0872</u>

Conference ID: 414 033 676#

Time: 2:00 PM

Subject: Non-Mandatory Pre-Bid Meeting

2021-WR-04 Shoal Creek WRF UV Replacement

The below list of names is based upon the verbal rollcall within the conference call. The names may not be fully accurate. Contact information is based upon what was available on-hand and is not to be considered complete.

Name	Organization	Contact
Kathy Bogaert	CCWA Procurement	kathy.bogaert@ccwa.us
Jikeva Moore	CCWA Procurement	ccwa_slbe_program@ccwa.us (770) 960-5880
Karen Riser	CCWA	karen.riser@ccwa.us
Keisha Thorpe	CCWA	keisha.thorpe@ccwa.us
Kendra Stanciel	CCWA	kendra.stanciel@ccwa.us
Mike Holt	CCWA	mike.holt@ccwa.us
Kelly Taylor	CCWA PME	kelly.taylor@ccwa.us
Lauren Chamblin	CCWA PME	Lauren.chamblin@ccwa.us
Alan Bowling	Hazen	abowling@hazenandsawyer.com
Eddie McCallum	Hazen	emccallum@hazenandsawyer.com



Name	Organization	Contact
Rick Kesler	Haren Construction	rkesler@harenconstruction.com
Garland Long	Lakeshore Engineering	glong@lakeshoreengineering.com
Kevin Conkey	Reynolds Construction	kevin.conkey@reynoldscon.com
Lorie Moore	Sol Construction	estimating@solconstructionllc.com
Pavel Mayfield	Walsh Construction & Archer Western	pmayfield@walshgroup.com