

ADDENDUM NO. 2  
CONTRACT 16-2 WASTEWATER TREATMENT PLANT IMPROVEMENTS  
SRF #CW4 2017-386; 2017-392  
TRENTON, TENNESSEE  
WAUFORD PROJECT NO. 3615

Date of Addendum: Thursday, May 25, 2017

Construction Bid Date: 10:00 AM Local Time, Thursday, June 1, 2017

1. Bid Form

Replace the Bid Form with the **Revised Bid Form** that is attached to this Addendum that list all approved manufacturers of major equipment. The named manufacturers must still fully meet the required specifications.

2. Detailed Specifications Sub-Section 2 "Testing and Control of Materials"

Paragraph 21, Page DS 2-7 "Cast Iron and Ductile Iron Pipe and Special Castings"; **Delete paragraph "b"**. **The pipe manufacturer shall submit the required documents from paragraph "a" in addition to the manufacturer's quality control reports.**

3. Detailed Specifications Sub-Section 5 "Piping, Fittings, Valves, Manholes and Accessories"

Paragraph 3, "Ductile Iron Pipe (DIP) and Fittings" Page DS5-1; **Delete the last sentence of the first paragraph.** Refer to Note 3 on Plans Sheet 3 for where specially lined DIP will be required.

4. Detailed Specifications Sub-Section 9 "Miscellaneous Metals"

Paragraph 8, "Open Channel, Fabricated-Metal Slide Gates and Open Channel Fabricated-Metal Weir Gates", Page DS 9-5; **R W Gates is an approved supplier.**

5. Detailed Specifications Sub-Section 10C "Sequencing Batch Reactor (SBR)"

Paragraph 5.G. – Page DS 10C-30, "Valves and Valve Actuators"; The Butterfly Valves for Air Service shall have Viton **or EPDM** seals.

6. Detailed Specifications Sub-Section 10F "Sludge Digester Equipment"

Paragraph 6, Page DS 10F-12 "HDPE Liner"; **The HDPE liner for the sludge digester shall consist of only a 60 mil HDPE liner without a conductive layer or a geotextile between the soil and the HDPE liner.**

7. Detailed Specifications Sub-Section 10H "Submersible Pumping Stations"

Paragraph 6e "Impellers", Page DS 10H-7; Add the following; **"The impeller shall be capable of handling solids, fibrous materials, sludge and other matter found in waste water. The screw shape of the impeller inlet shall provide an inducing effect for the handling of rag-laden wastewater. The impeller shall be capable of momentarily moving axially upwards a distance of 0.6-in. to allow larger debris to pass through and immediately return to normal operating position."**

8. Detailed Specifications Sub-Section 10I "Control and Metering Systems"

Clarification – **The VFD's for the 30 Hp effluent pumps shall be supplied with the Motor Control Center (MCC).** The VFD's must be capable of communicating via Ethernet. They will be controlled by the Main PLC Control Panel provided by Revere.

9. Plans Sheet 1 & 3 , Existing Site Piping

Clarification – **The existing pipe shown to be razed must be removed if the pipe will be within two feet from final grades, if not the ends shall be plugged and the pipe can be retired in place. The manholes to be razed must be completely removed.**

10. Plans Sheet 6, Detail "Section C-06"

Clarification – The contractor does not supply the dumpster that will be placed in front of the two bollards.

11. Plans Sheet 11, Detail "Section N-11"

**The contractor shall install a ¾" hose bib on the 18-inch effluent line between the wall spool and the 18-inch actuated butterfly valve.**

12. Plans Sheet 12, Detail "Section SBRA-12"

Clarification – The No 57 crushed stone backfill required shall extend up from the footing at a **1:1 slope**. The HDPE sheet along the top of the No 57 stone backfill shall be **30mil**.



J. R. WAUFORD & COMPANY,  
CONSULTING ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "W. Scott Daniel", with a date "5/25/17" written to the right of the signature.

W. Scott Daniel, P.E.  
Tennessee License No. 104425

BID FORM

An Individual ( )  
A Partnership ( )  
A Corporation ( )  
A Limited Liability Company ( )

Date \_\_\_\_\_

1. BID for the construction of Wastewater System Improvements, Contract 16-02 – New Sequencing Batch Reactor for the Trenton Light and Water, Trenton, Tennessee.

TO Trenton Light and Water:

I /

WE \_\_\_\_\_

Name of Bidder

\_\_\_\_\_  
Address of Bidder

the undersigned, as Bidder, proposes to furnish all necessary labor, machinery, tools, apparatus, materials, equipment, service, and other necessary supplies, in strict accordance with the terms and conditions of the Detailed Specifications and Contract Documents hereto attached and the Plans referred to herein for the construction of Wastewater System Improvements for the Trenton Light and Water, Trenton, Tennessee, Contract 16-02 – New Sequencing Batch Reactor, and to do such other work incidental thereto as may be ordered by the Engineer, at lump sum price listed herein.

2. The Bidder declares that he has examined the sites of the work and fully informed himself in regard to all conditions pertaining to the places where the work is to be done; that he has examined these Detailed Specifications, Plans, and Contract Documents for the work, and has read all addenda furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.
3. The Bidder is required to fill in all blank spaces in the BID FORM for all Schedules. Failure to fill in all blank spaced for lump sum prices in both words and figures may be grounds for declaring a bid irregular.
4. The Bidder agrees that his Bid shall not be withdrawn for a period of 90 calendar days after the scheduled closing time for receiving bids.
5. Bids shall include sales tax and all other applicable taxes, fees or licenses.

CONTRACT 16-02 – NEW SEQUENCING BATCH REACTOR

6. a. Lump Sum Price

For performing all labor and furnishing all materials and equipment necessary for constructing Contract 16-02 – New Sequencing Batch Reactor including all incidentals and all other work and appurtenances necessary for completion of work under this Contract as shown on the Plans and/or as specified for the lump sum total bid amount of:

TOTAL BID, Schedule A - (\$ \_\_\_\_\_ )

\_\_\_\_\_ Dollars

\_\_\_\_\_ Cents

6. b. Equipment to be Furnished

The prices for equipment listed below for work to be constructed under Sub-Sections 10-A through 11 are included in the lump sum price shown previously as Item 6.a, Lump Sum where applicable. The BIDDER may use the lowest priced item listed as an acceptable Base Bid item as the basis for arriving at his overall price. The BIDDER is required to fill in the items below in order to indicate the relative prices of the equipment of various manufacturers which may be considered by the Owner for various reasons. The Owner reserves the right to award the project based on any combination of equipment listed on Schedule "A". The prices shown below shall include the cost of furnishing and installing the various equipment items, including any modifications to the structure, piping, other equipment or other items which may be caused by the use of a particular piece of equipment.

**The prices listed hereinafter are not to be in addition to the Lump Sum Price in Paragraph 6.a., but are to be included in it.**

CONTRACT NO. 16-02 – NEW SEQUENCING BATCH REACTOR

BID SCHEDULE A - CONSTRUCTION

6. b. Equipment to be Furnished (Continued)

Sub-Section	Description	Price	Equipment Used in Base Bid (Show only one per Sub-Section)
10-A	<u>Mechanically Cleaned Bar Screen &amp; Screw Conveyor</u>		
	Vulcan Industries	\$ _____	\$ _____
	Westech Engineering	\$ _____	\$ _____
	John Meunier	\$ _____	\$ _____
10-B	<u>Grit Removal System</u>		
	Westech Engineering	\$ _____	\$ _____
	John Meunier	\$ _____	\$ _____
	Smith & Loveless	\$ _____	\$ _____
10-C	<u>Sequencing Batch Reactor (SBR)</u>		
	Evoqua Water Technologies, LLC Parkson Corporation	Base Bid \$ _____	\$ _____
10-D	<u>Disinfection Chemical Feed Equipment</u>		
	Watson-Marlow	\$ _____	\$ _____
	Prominent	\$ _____	\$ _____
	Blue-White Industries	\$ _____	\$ _____
	Seepex	\$ _____	\$ _____
10-E	<u>Vertical Turbine Effluent Pumps</u>		
	Fairbanks Nijhuis	\$ _____	\$ _____
	Sulzer	\$ _____	\$ _____
	Peerless Pumps	\$ _____	\$ _____
10-F	<u>Sludge Digester Equipment - Aerators</u>		
	Aqua Aerobic Systems, Inc. Aeration Solutions	\$ _____ \$ _____	\$ _____ \$ _____
10-F	<u>Sludge Digester Equipment – HDPE Liner</u>		
	GSE Lining Technology	\$ _____	\$ _____
	Agru America, Inc.	\$ _____	\$ _____
	Poly-America	\$ _____	\$ _____

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Sub-Section	Description	Price	Equipment Used in Base Bid (Show only one per Sub-Section)
10-G	<u>Sludge Dewatering Equipment</u> Spectrum Water Technologies Flo Trend	\$ _____ \$ _____	\$ _____ \$ _____
10-H	<u>Submersible Pumping Stations</u> Flygt Wilo KSB	\$ _____ \$ _____ \$ _____	\$ _____ \$ _____ \$ _____
10-I	<u>Control and Monitoring System</u> Revere	\$ <u>290,590.00</u>	\$ <u>290,590.00</u>
11	<u>Standby Generator</u> Caterpillar Cummins	\$ _____ \$ _____	\$ _____ \$ _____

CONTRACT NO. 16-02 – NEW SEQUENCING BATCH REACTOR

BID SCHEDULE B – ADJUSTMENT ITEMS

7. Unit Prices for Adjustment Items

**NOTE:** The following items (Item Nos. 1-10) are for use in performing work not shown on the Plans or specified under the scope of BID SCHEDULE A, Lump Sum Price (which includes Equipment to be Furnished), Prices listed for adjustment items will be used only for accomplishing any field changes directed by the Engineer outside the scope of the Lump Sum Price.  
**(DO NOT INCLUDE IN ANY TOTALS)**

ITEM NUMBER	UNIT	DESCRIPTION WITH LUMP SUM OR UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE
1.	1 C.Y.	Excavation in earth 0 to 5 feet deep	\$ _____
2.	1 C.Y.	Excavation in earth below 5 feet deep	\$ _____
3.	1 C.Y.	Class "A" Concrete, complete <u>not</u> including reinforcing steel or excavation	\$ _____
4.	1 C.Y.	Class "C" Concrete, complete in place	\$ _____
5.	1 LBS.	Reinforcing Steel	\$ _____
6.	1 L.F.	Aluminum Pipe Handrails Top or Side Mounted	\$ _____
7.	1 Each	Yard Hydrant (2-inch Inlet) complete in place, Including valve, pad and plaque	\$ _____
8.	1 C.Y.	TDOT Crushed Stone, Size 67	\$ _____
9.	1 S.Y.	Sodding, complete in place	\$ _____
10.	1 C.Y.	TDOT No. 1 Compacted Crushed Stone in Mucky Areas where Directed by the Engineer	\$ _____



8. Time of Commencement and Completion

The Bidder further proposes and agrees hereby to commence the work with adequate force and equipment on a date to be specified in a written order of the Engineer, and complete all work within the calendar days as shown:

Within 545 consecutive calendar days

9. Liquidated Damages

The Bidder further understands that if work is not completed within the time specified, that any additional engineering and resident construction observation costs incurred by the Owner due to the Contractor exceeding the time allowed for completion plus other damages, including revenue lost from the project's water customers, will be deducted on a per calendar day basis from the compensation otherwise due him in accordance with the General Conditions for each day thereafter, Sundays and holidays included, that work remains uncompleted.

The following sum is agreed by the parties to be liquidated damages:

One Thousand (\$1,000.00) Dollars per calendar day

10. Time Limit for Execution of Documents

The undersigned further agrees that, in case of failure on his part to execute the said Contract and the Bond(s) within fourteen (14) consecutive calendar days after written notice being given of the award of the Contract, the check or bid bond accompanying this bid and the monies payable thereon shall be paid into the funds of the Trenton Light and Water as liquidated damages for such failure; otherwise the check or bid bond accompanying this BID FORM shall be returned to the undersigned.

11. Bid Guaranty

Attached hereto is a certified check on \_\_\_\_\_  
\_\_\_\_\_ Bank of \_\_\_\_\_ or a Bid Bond on the form provided for the  
sum of 5% of bid Dollars (\$) \_\_\_\_\_) made  
payable to the Trenton Light and Water to insure that the Contractor will enter  
into the Construction Contract and Contract Bond.

12. Interested Parties

The undersigned, as Bidder, hereby declares that the only person or persons interested in the BID FORM as principal or principals is or are named herein, and that no other person than herein mentioned has any interest in this BID

FORM or in the Contract to be entered into; that this BID FORM is made without connection with any other person, company, or parties making a bid or proposal and that it is in all respects fair and in good faith without collusion or fraud.

NAME

ADDRESS

_____	_____
_____	_____
_____	_____
_____	_____

13. Addenda

I hereby certify that I have received, read, and examined the following numbered Addenda \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

14. Drug Free Workplace

The Contractor shall comply with the requirements of Tennessee Code Annotated, Section 50-9-113 and Title 50, Chapter 9 of the Tennessee Code while performing this contract.

A written affidavit by the principal officer of the Bidder at the time the Bid is submitted to the Owner shall be submitted by each Bidder with his Bid. The affidavit shall be prepared utilizing the "Drug-Free Workplace Affidavit of Prime Bidder" form provided with the BID FORM.

15. Statement of Compliance Certificate Illegal Immigrants

The Contractor shall comply with the requirements of Tennessee Code Annotated Title 12, Chapter 4, Part 1 of the Tennessee Code while performing this contract.

A written affidavit by the principal officer of the Bidder at the time the Bid is submitted to the Owner shall be submitted by each Bidder with his Bid. The affidavit shall be prepared utilizing the "Statement of Compliance Certificate Illegal Immigrants" form provided with the BID FORM.

16. Compliance with Iran Divestment Act

The Contractor shall comply with the requirements of Tennessee Code Annotated Title 12, Paragraph 12-12-106 of the Tennessee Code while performing this contract.

A written affidavit by the principal officer of the Bidder at the time the Bid is submitted to the Owner shall be submitted by each Bidder with his Bid. The affidavit shall be prepared utilizing the "Statement of Compliance Iran Divestment Act" form provided with the BID FORM.

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Address of Bidder

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BY: \_\_\_\_\_

\_\_\_\_\_  
Title

ATTEST (For Corporations)

\_\_\_\_\_

\_\_\_\_\_  
Title

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