

## ADDENDUM No. 2

ITB No. 4568

### City of Ann Arbor, Water Treatment Services Unit WTP UV Disinfection System

**Bids Due: February 28, 2019 at 2:00 P.M. (Local Time)**

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for WTP UV Disinfection System Project, ITB No. 4568, on which proposals will be received on/or before February 28, 2019, at 2:00 P.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 6 pages.**

**Bidder is to acknowledge receipt of this Addendum No. 2, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.**

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

**Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.**

## I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

<u>Section/Page(s)</u>	<u>Change</u>
33 13 00, para 1.02.A.8	<del>8. Independent Testing Agency: Certification that testing agency is qualified to perform chlorine concentration testing bacteriological testing.</del>
33 13 00, para 1.02.A.9	<del>9. Certified Bacteriological Test Results: a. Facility tested is free from coliform bacteria contamination. b. Forward results directly to Engineer and Owner.</del>
33 13 00, para 1.03.A	<del>A. Independent Testing Agency: Certified in the State of Michigan, with 10 years' experience in field of water sampling and testing. Agency shall use calibrated testing instruments and equipment, and documented standard procedures for performing specified testing.</del>
33 13 00, para 3.07.B	<del>B. Test Equipment: 1. Clean containers and equipment used in sampling and make sure they are free of contamination. 2. Obtain sampling bottles with instructions for handling from Independent Testing laboratory.</del>
33 13 00, para 3.07.C	<del>C. Chlorine Concentration Sampling and Analysis: 1. Collect and analyze Samples in accordance with applicable AWWA Standard. 2. Sampling Locations: Approved locations per disinfection and sampling plan. 3. Analysis to be performed by Independent Testing</del>
33 13 00, para 3.07.D	<del>D. After clearwells, pumps and pipes have been cleaned, disinfected, and refilled with potable water, an independent laboratory</del> <b>Owner</b> will take water Samples and have them analyzed for conformance to bacterial limitations for public drinking water supplies. <del>1. Owner will collect samples in accordance with applicable AWWA Standard. 2. Owner will analyze samples for coliform concentrations in accordance with latest edition of Standard Methods for the Examination of Water and Wastewater. 3. Sampling Locations: Approved locations per disinfection and sampling plan. 4. Sampling points shall be representative and accepted by Engineer</del> <b>Owner</b> .

33 13 00, para 3.07.E

E. Turbidity Sampling and Analysis:

1. After clearwells, pumps and pipes have been cleaned, disinfected, and refilled with potable water, an ~~independent laboratory~~ **Owner** will take water Samples and have them analyzed for conformance to turbidity limitations for public drinking water supplies. Turbidity shall not exceed 0.3 NTU.

2. If turbidity is in excess of the limit, dispose of the water in accordance with this Specification and applicable regulations, take action to remove source of turbidity, refill system, and retest.

40 91 00, para 2.04.E.16.a

a. ABB Automation ~~Mag~~ **Water** Master (Includes Transmitter)

**Drawing Number**

020-D-304, Transfer Pump Station Sections, Section E.

**Change**

On 16" UVI pipe, replace note "16-inch Plug Valve" with "16-inch V500".

020-D-304, Transfer Pump and UV Room Alternate Bid Sections, Section E.

On 16" UVI pipe, replace note "16-inch Plug Valve" with "16-inch V500".

## II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the ITB. Bidders are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Can you provide full size drawing files?

Answer 1: Since the 11x17 set is a true half-size set, the contractors could plot the drawings at 200% scale to ANSI D (22x34), and the end result will be 22x34 drawings.

Question 2: The bid hold is stated as 120 days, yet the anticipated NTP date is August 1st (approximately 150 days). Please advise if there will be a letter of award or similar document issued within the 120-day period so that we may hold pricing with our vendors and subs.

Answer 2: City Council approval is anticipated in April or May. Council approval serves as the Notice of Award. A letter can be provided if necessary.

Question 3: Specification Section 01 31 13, Table 1 shows the Clearwell 1 shutdown window to be Oct 1st to Nov 1st. In speaking with the valve manufacturers, the 30" butterfly valves have a lead time of approximately 16 weeks. Given the anticipated NTP of August 1st, it will be unfeasible to have the valves on site in time to perform this work within the required time frame. Please advise if this work can be performed later within the non-peak season, and please remove the liquidated damages associated with not performing this work within the required window of time. The same question applies to Clearwell 2 shutdown.

Answer 3: The work can be performed later within the non-peak season. The window will be adjusted based upon a confirmed delivery date of the valves. Liquidated damages will still apply to the duration once work begins. The overall project schedule shall remain unchanged.

Question 4: In the pre-bid meeting, it was mentioned that an earlier NTP date may be possible with coordination and expedited efforts from the contractor. Assuming an earlier NTP date is achieved, will the substantial completion date remain June 20, 2020, or will it be pulled up to maintain the original duration in relation to the NTP date.

Answer 4: The substantial completion date will remain June 20, 2020.

Question 5: In the pre-bid meeting, it was mentioned that the existing isolation valve at Clearwell 2 leaks. Please provide an estimated leakage rate, and please provide direction as to where this water can be pumped should the floor drain prove to be an unsatisfactory means of dewatering.

Answer 5: There is an existing sump and sump pump in the Ann Arbor water plant Transfer Pump 1-3 Room. This existing sump pump will handle most of the leakage. Contractor may need to supplement the existing pump with their own 1-1/2" or 2" sump pump and hoses. Please see attached picture of the leak from a previous inspection.



Question 6: Please advise if the contractor will be permitted to utilize the new lifting beam during construction of the new UV system. Please also advise if any further design or PE stamp is required for this beam and associated accessories.

Answer 6: Contractor may use the new lifting beam. Design and PE stamp is responsibility of Contractor.

Question 7: In the pre-bid meeting, it was mentioned that the plant will be responsible for dewatering and isolating the Clearwells. Please confirm that the contractor is responsible for cleaning and disinfection of the Clearwells per the specification.

Answer 7: The City will dewater the clearwells. Contractor shall be responsible for disinfection. Please see modifications to the disinfection specification above regarding sampling and testing. The City is responsible for testing after disinfection.

Question 8: Please confirm that the contractor is responsible for disinfection and turbidity testing.

Answer 8: Contractor is responsible for disinfection. Please see modifications to the disinfection specification above regarding sampling and testing. The City is responsible for testing after disinfection.

Respondents are responsible for any conclusions that they may draw from the information contained in the Addendum.

**End of Addendum**