

ADDENDUM No. 1

RFP No. 21-02

Barton Raw Water Main Condition Assessment

Due: February 18, 2021 at 2:00 P.M. (local time)

The following changes, additions, and/or deletions shall be made to the Request for Proposal for Barton Raw Water Main Condition Assessment, RFP No. 21-02, on which proposals will be received on/or before the date and time listed above.

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes twelve (12) pages.**

The Proposer is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- **Attachment C - Non-Discrimination Declaration of Compliance**
- **Attachment D - Living Wage Declaration of Compliance**
- **Attachment E - Vendor Conflict of Interest Disclosure Form**

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its 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 respondents submit as both a Prime Contractor and also as a subcontractor to another firm?

Answer 1: Yes.

Question 2: Do you have Pressure Monitoring and Flow data for either pipeline?

Answer 2: Pressure and flow monitoring data from Barton Pump Station and the WTP will be available to the selected respondent for review and analysis. The City can monitor flows through Barton PS and into the WTP, but flow split between the two raw water mains is not available. Discharge pressures from Barton PS are available.

Question 3: What is the operating pressure of the pipes at the plant and at the pumping station?

Answer 3: Discharge pressures at Barton Pump Station typically range between 95 psi and 103 psi. Exact pressures prior to discharge at the WTP are not measured but estimated to be around 5 psi. See the information provided on Page 17 of the RFP.

Question 4: Do you have the failed piece of cast iron pipe from the 2017 break and if so, can we look at it?

Answer 4: The City no longer has the piece of cast iron pipe from the 2017 break. Pictures of the pipe are attached to this Addendum.

Question 5: Do you have the coupon from the pipe tap or photos from the tap or failure?

Answer 5: No, the City no longer has the coupon from any of the pipe taps on the 24-inch main. Photos from the water main break in 2017 are attached to this Addendum.

Question 6: Will the pre-proposal meeting sign-in sheet be provided?

Answer 6: Yes, the pre-proposal meeting minutes and sign-in sheet are attached.

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

Pre-Proposal Meeting Minutes
Barton Raw Water Main Condition Assessment – RFP# 21-02

I. Introductions

- i. Chris Elenbaas, Stantec
- ii. Glen Wiczorek, City of Ann Arbor
- iii. Attendance on Call, See attached Attendance List

II. Section I – General Information

- a. Proposals are due February 18, 2021 by 2:00 pm at City Hall. City Hall remains closed, but a purchasing drop box is located in the north vestibule of City Hall for hand delivered proposals.
- b. Non-Disclosure Agreement
- c. Question Deadline is February 3, 2021 at 5:00 pm
 - i. Email Chris Elenbaas with all technical questions.
 - ii. Email Colin Spencer with Purchasing for questions regarding the RFP process or compliance.
- d. Site walkthroughs can be scheduled by emailing Chris Elenbaas for the week of January 25, 2021. Due to Covid restrictions, this walkthrough will remain outdoors. The majority of the water main routes are accessible to the public and respondents are encouraged to perform a site visit.
 - i. Tuesday, 1/26 – 1:00 pm to 4:00 pm
 - ii. Wednesday, 1/27 – 8:00 am to 11:00 am
 - iii. Thursday, 1/28 – 9:00 am to 2:00 pm
- e. Interviews are tentatively scheduled for the week of March 22, 2021. Interviews will be conducted virtually if they are determined to be necessary.
- f. Respondents must submit Non-Discrimination Form, Living Wage Form, and Vendor Conflict of Interest Forms.
- g. Prevailing Wage – For those portions of work that apply, the Contractor will be required to pay prevailing wage and submit weekly certified payrolls.
- h. Council Approval anticipated in May 2021.
- i. Notice to Proceed anticipated in June 2021.
- j. Final deliverables to the City by March 2022.
- k. Respondent must be willing to sign the City’s Professional Services Agreement.
- l. General Background
 - i. November 2017 – 24-inch water main break along Sunset Drive. New valves installed to provide isolation. Corrosion identified along Sunset Drive and at Barton PS near the valve installation.
 - ii. December 2020 – Air relief point along the 42-inch water main was leaking. Major leak repaired, but 1.5-inch corporation slowly leaking around the treads at the factory tap outlet.

III. Section II – Scope of Services

- a. The City is seeking consultants and/or contractors to perform a condition assessment of the two existing raw water transmission mains that convey water from the discharge at the Barton Pump Station to the City’s Water Treatment Plant.

- b. Base scope includes the following:
 - i. Desktop condition assessment and background information review;
 - ii. Internal in-the-wet electromagnetic inspection of the 42-inch PCCP water main;
 - iii. Internal acoustic leak and gas pocket inspections of both water mains;
 - iv. External corrosion survey for the 24-inch and 42-inch PCCP water mains;
 - v. Spot excavation and assessment of pipe condition, as applicable;
 - vi. Risk evaluation for component failures; and
 - vii. Recommendations for repair/rehabilitation measures.
- c. Respondents are strongly encouraged to include value-add scope, or to modify the scope where it will be in the best interest of the City. If alternate assessment technologies are available that would fulfil the overall goals of the project, they will be evaluated by the City.
- d. Allowance items for pipe repairs and air relief installation are included in the fee proposal.
- e. Overview of existing water main routes and materials of construction.
 - i. 42-inch Prestressed Concrete Cylinder Pipe (PCCP) Lined Cylinder Pipe (LCP) L-301 water main installed in 1965. Approximately 5,900 feet in length. Transitions to 36-inch PCCP on the WTP property.
 - ii. 24-inch cast iron water main installed in 1949 with portions that were replaced in 1965 with ductile iron pipe. Approximately 5,000 feet in length. Connects to the 42-inch PCCP main on the WTP property.
- f. Award to one Consultant or Contractor who will control all aspects of the project.
- g. Detailed Requirements
 - i. 42-inch PCCP Electromagnetic Inspection with a free swimming device.
 - 1. Equipment insertion at Barton Pump Station. Detail for permanent insertion and drain point has been included in the appendix of the RFP.
 - 2. Equipment retrieval at the Water Treatment Plant.
 - 3. The live tap and electromagnetic inspection of the 42-inch PCCP LCP water main shall occur between September 15, 2021 and November 15, 2021. Flow conditions will be evaluated to determine if work will be permitted outside of this time period upon request from the respondent.
 - 4. Equipment must be able to navigate the water mains as outlined in the RFP.
 - ii. 24-inch and 42-inch leak and gas pocket inspection water mains with a free-swimming device.
 - 1. 24-inch access at an existing hydrant located at Barton Pump Station.
 - 2. 42-inch access at the tap installed for the electromagnetic inspection.
 - iii. Pipeline Route Corrosion Study
 - 1. A complete end-to-end corrosivity survey of the 42-inch and 24-inch raw water mains.
 - 2. Electromagnetic Conductivity (Emag) testing to gather continuous soil resistivity data along the route of the 24-inch cast iron water main.
 - 3. Wenner 4-Pin testing to supplement Emag testing.
 - 4. Soil sampling and testing.
 - 5. Spot excavations to evaluate pipe condition. Allowance for 8 excavations included in the fee proposal.
 - a. Locations
 - b. Equipment access

- iv. Workshops and Deliverables – Outlined in the RFP
 - 1. Install water main marking system.
 - 2. Summarize all findings.
 - 3. Identify water main life expectancy and risk of failure.
 - 4. Recommend improvements with consideration for the City’s budget and planned future improvements.
 - 5. Provide budgetary cost estimates.
- v. Leak Repair and Air Relief Allowance Items
- vi. Refer to the RFP for additional details.

IV. Section III

- a. Proposal Scoring
 - i. Professional Qualifications – 20 points
 - ii. Past Involvement with Similar Projects – 30 Points
 - iii. Proposed Work Plan – 30 Points
 - iv. Fee Proposal – 20 Points
- b. Fee Proposal Form as provided in the RFP must be filled out by the respondent. Respondents should submit additional detailed cost information as necessary.
- c. Fee Proposal to be submitted in a separate sealed envelope with a separate digital copy of the fee.

V. Addenda

- a. Addendum – To be issued at the latest by February 8, 2021.

VI. Questions

- a. Has electromagnetic inspection been considered for the 24-inch cast iron water main?
Yes, however the City has elected not to include it in the RFP due to concerns with the integrity of any results since it is an unlined raw water main with debris including muscles, dirt, etc.

Contact Information:

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Project Manager
Stantec Consulting Michigan Inc.
E-mail: christopher.elenbaas@stantec.com

Pre-Proposal Meeting Attendance
Barton Raw Water Main Condition Assessment – RFP# 21-02

Name	Company	Email	In Attendance?
Glen Wiczorek	City of Ann Arbor	gwiczorek@a2gov.org	☒
Chris Elenbaas	Stantec	christopher.elenbaas@stantec.com	☒
Evan Biedenbach	Xylem	evan.biedenbach@xyleminc.com	☒
Wayne Pratt	Xylem	wayne.pratt@xyleminc.com	☒
Dustin Griesling	Thompson Pipe Group	dustin.griesing@thompsonpipegroup.com	☒
David Koch	Black & Veatch	kochds@bv.com	☒
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Ibraheem Shunnar	Mannik Smith Group	ishunnar@manniksmithgroup.com	☒
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Joe Wells	Russell Tech / PICA	jwells@russelltech.com	☒
Dave Russell	Russell Tech / PICA	drussell@russelltech.com	☒
James Scholl	HDR	james.scholl@hdrinc.com	☒
Susan Donnally	HDR	susan.donnally@hdrinc.com	☒
Alex Fleet	Spalding DeDecker	afleet@sda-eng.com	☒
John Thompson	Granite Inliner	john.thompson@gcinc.com	☒



Figure 1 - 24" 1965 DI Main at Barton PS, 42" PCCP Main Seen to the West



Figure 2 - 24" 1965 DI Main at Barton PS, Line Stop Fitting



Figure 3 - 24" 1965 DI Main at Barton PS, Pitting where Tapping Sleeve was Installed



Figure 4 - 24" 1949 CI Main from Break along Sunset Road, 14' Long Crack



Figure 5 - 24" 1949 CI Main



Figure 6 - 24" 1949 CI Main from Break along Sunset Road, Deep Pitting at Start of 14' Crack that Extended Through to a Joint