

ADDENDA

ADDENDUM NO. 01

DATE: **October 25, 2021**

PROJECT: **EAST MAIN STREET SANITARY SEWER REHABILITATION AND REPLACEMENT – PHASE I**

OWASA CIP NUMBER: **276-63**

OWNER: **ORANGE WATER AND SEWER AUTHORITY**

ENGINEER: **McKim & Creed, Inc.**

TO: **Prospective Bidders**

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated October 2021, with amendments and additions noted herein below.

Acknowledge receipt of this Addendum in the space provided in the Bid form. Failure to do so may disqualify the Bidder.

This Addendum consists of 11 pages.

CLARIFICATIONS:

1. The Pre-Bid Meeting Minutes (dated October 19, 2021) and Pre-Bid Meeting Sign-In Sheet are attached and made part of the Contract Documents.
2. As a clarification, bidders do not have to be pre-qualified to submit a bid for this project. Bidders shall only need to comply with any qualifications that are required and listed in the Bid Proposal.
3. As a clarification, geotechnical subsurface data was not collected at the time of the design and is not available for this project.
4. The Contractor may utilize steel road plates (extended 2 feet beyond a temporary stone surface) or temporary paving in accordance with applicable temporary asphalt repair details as shown on Sheet D2 of the Drawings at the end of each work day.

CHANGES TO THE SPECIFICATIONS:

1. Document 00 21 15 – Instructions to Bidders

Delete Article 3.01 and replace with the following:

“3.01 The Bidder shall demonstrate the ability to complete a majority of all portions of the Contract using equipment and personnel owned and employed by the Bidder. The Bidder shall include the following information in the Bid as an attachment, as specified in Document 00 41 44:

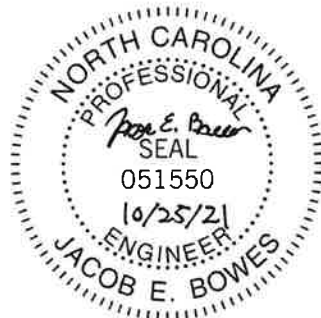
- A. That the Bidder will have availability to do the Work at the proper time or times, adequate equipment and facilities listing such equipment and facilities in such detail that they can be quickly and accurately checked.
- B. That the Bidder has ample repair parts and supplies to maintain all equipment and facilities properly and with a minimum of delay.
- C. If the Bidder is a corporation, the names of all corporate officers and the name of the executive who will give their personal attention to the Work.
- D. The Bidder shall perform Work amounting to at least 60% of the Contract, using its own personnel and equipment (owned or rented). No portion of the Contract shall be sublet, assigned, or otherwise disposed of without the expressed written consent of Orange Water and Sewer Authority. If the Bidder fails to demonstrate to Orange Water and Sewer Authority in its Bid submittal information that it has the ability to perform the specified percentage of the Work with its own personnel and equipment, its Bid may be considered non-responsive. The Bidder shall submit with its Bid, data supporting its ability to comply with this requirement.”

2. Document 00 21 15 – Instructions to Bidders

Insert the following at the end of Article 12.03:

“or Deepthi Kalyanam, PE at (919) 537-4215.”

-END OF DOCUMENT-



**ORANGE WATER AND SEWER AUTHORITY
EAST MAIN STREET SANITARY SEWER REHABILITATION AND
REPLACEMENT – PHASE 1
OWASA CIP NO. 276-63 / M&C PROJECT NO. 01519-0055**

October 19, 2021 at 2:00 PM

MANDATORY PRE-BID CONFERENCE AGENDA

Safety:

OWASA's number one priority for all construction projects is safety.

Project Bid:

Sealed bids will be received by the Owner, Orange Water and Sewer Authority, in the Administrative Offices, 400 Jones Ferry Rd, Carrboro, NC 27510, until 2:00 PM local time, on **Tuesday, November 9, 2021**, for the construction of the East Main Street Sanitary Sewer Rehabilitation And Replacement– Phase 1 project, CIP No. 276-63

If Bids will be hand delivered, Bids should be checked in at the front desk so they can be time/date stamped. Bids must be time/date stamped by 2:00 PM on Tuesday, November 9th, 2021. Bidders choosing to hand deliver bids shall wear a mask at all times when occupying the Orange Water and Sewer Authority Administrative Office. Bidders are reminded that if they are delivering bids via FedEx/UPS or USPS, bids should arrive before the stated time above of bid opening and be sent by registered mail in a separate mailing/delivery envelope plainly marked on the outside with the notation "BID ENCLOSED", and addressed to:

**Deepthi Kalyanam, PE
Project Manager
Orange Water and Sewer Authority
400 Jones Ferry Road
Carrboro, North Carolina 27510**

The Bid opening will occur at the Orange Water and Sewer Authority Administrative Office building. One (1) representative from each organization shall attend the Bid opening.

Deepthi Kalyanam's mobile phone will be the official time piece. The bids will be available for public inspection with the assistance of OWASA personnel if interested parties do not want to be present at the bid opening. The bid results will be posted to the OWASA bid opportunities website no more than 48 hours after the bid.

Bid Structure:

The project is a Unit Price and Lump Sum Bid based on the items and quantities listed in the Bid Form.

Project Description:

The Project consists of furnishing all materials, labor, equipment, tools, etc. unless otherwise specified, for the complete and operable installation of:

- Removal and replacement of approximately 1,700 linear feet of 8-inch diameter existing sanitary sewer main with new 8-inch diameter sanitary sewer main, including two (2) point repairs.
- Removal and replacement of approximately 300 linear feet of 10-inch diameter existing sanitary sewer main with new 12-inch diameter sanitary sewer main.
- Removal and replacement of eight (8) existing sanitary sewer manholes and installation of two (2) new sanitary sewer manholes.
- Re-establishment or replacement of existing laterals as shown on the Contract Documents.
- Work is confined within the public rights-of-way owned by the NCDOT or Town of Carrboro.
- Applicable traffic control, bypass pumping, restoration, erosion and sediment control, permitting, and other items required to meet local requirements and requirements as described in the Contract Documents.
- Contractor will be responsible for determining location, depth, material, type, and condition of existing utilities.

Examination of Contract Documents and Site:

Bidder shall provide written notice to Engineer of all conflicts, errors, or discrepancies in the Contract Documents.

Construction Contract Periods and Schedules:

The Work shall be Substantially Complete within **130 CONSECUTIVE CALENDAR DAYS**, after the date when the Contract Time commences to run and shall be completed and ready for final payment within **145 CONSECUTIVE CALENDAR DAYS**, of the Notice to Proceed.

Liquidated Damages:

Description	Number of Consecutive Calendar Days to Achieve Final Completion of the Work	Liquidated Damages (per day)
Substantial Completion	130 days from Notice to Proceed	\$2500
Final Completion	145 days from Notice to Proceed	\$2500

Bid Package Requirements:

If Bid is sent by registered mail, air/ground special delivery, or express delivery, the sealed Proposal, marked as indicated above, shall be enclosed in an additional sealed envelope similarly marked and addressed as follows:

BID ENCLOSED
Deepthi Kalyanam, PE
Project Manager
Orange Water and Sewer Authority
400 Jones Ferry Road
Carrboro, North Carolina 27510

Mark envelope with the Project title and Contract number in the lower left-hand corner. We recommend proposals that are mailed be received 24 hours before the bid due date to avoid any conflict. **If the Bidder chooses delivery of the Bid by means other than in person, neither Orange Water and Sewer Authority nor the Engineer assumes responsibility for delivery to the Bid opening.**

THE FOLLOWING FORMS ARE INCLUDED IN SECTION 00 41 44 – PROPOSAL AND SHALL BE COMPLETELY FILLED OUT AND SUBMITTED WITH THE BIDS. Failure to submit all of the forms below with the Proposal may be just cause for rejection of the Proposal by the Owner.

- Proposal and Bid Form
- Addenda Acknowledgement
- Certified List of Equipment/Material Manufacturers and Subcontractors
- Qualifications of the Bidder

- Certification Affidavit and Bid Certification
- Evidence of Authority to do Business in the State of North Carolina
- Bid Bond or other Bid security
- Contractor’s Affidavit of Organization and Authority
- Non-Collusion Affidavit for Contractors
- Non-Collusion Affidavit for Subcontractors (due within 5 days of Bid Opening)
- Equal Employment Opportunity Certification
- Identification of Minority Business Participation
- State of North Carolina - Affidavit A -Listing of Good Faith Efforts Form OR Affidavit B – Intent to Perform Contract with Own Workforce

Additional Documents to be Included with the Bid (not included in Section 00 41 44 – Proposal):

- E-Verify Affidavit

Method of Payment:

Bidder should refer to the Section 01 10 26 – Unit and Lump Sum Prices for a description of work to be included in each payment item and how that item is to be paid.

Survey and SUE Data:

Subsurface Utility Engineering (SUE) Quality Level D (records research) was obtained by McKim & Creed for the project corridor in June 2021. Topographic survey of existing sanitary sewer manhole rim and invert elevations was performed by McKim & Creed in June 2021.

Engineer’s Estimate:

The Engineer’s Opinion of Probable Construction Cost is ~\$1,300,000.

Permits and Encroachments:

Appendix A – Executed Project Permits (Pending Approvals)

- Appendix A.1 - North Carolina Department of Environmental Quality – Division of Energy, Mineral, and Land Resources – Erosion and Sedimentation Control Plan Approval
- Appendix A.2 - North Carolina Department of Environmental Quality – Division of Energy, Mineral, and Land Resources NCG01 – Certificate of Coverage
- Appendix A.3 – North Carolina Department of Environmental Quality – Pretreatment and Collection Systems – Fast Track Sewer Permit
- Appendix A.4 - North Carolina Department of Transportation – Two-Party Secondary Route Right-Of-Way Encroachment Agreement
- Appendix A.4 - Town of Carrboro – Construction Approval

Permit submittals were made at the time bids were advertised. Approved permits will be included in future Addenda as they are provided.

Miscellaneous Items:

- OWASA anticipates award of Contract in November 2021
- OWASA anticipates Notice to Proceed in January 2022
- Existing water and sanitary sewer infrastructure shown was obtained through OWASA GIS data in July 2021.
- Pre-construction condition assessments of sanitary sewer pipe segments and manholes shown on the drawings through CCTV inspections was performed by OWASA in early 2021. CCTV inspection data was reviewed, defects coded per the latest NASSCO PACP/MACP standards, and rehabilitation and replacement for each pipe segment shown was recommended by McKim & Creed in July 2021.
- Geotechnical subsurface data was not collected at the time of design.
- After receiving Notice of Award, Contractor is encouraged to submit all aforementioned forms included in the proposal and begin the shop drawing submittal process as soon as possible due to the project's accelerated construction schedule.
- Contractor shall contact OWASA a minimum of 72 hours prior to the start of construction.
- Allowable work hours for the project are at night, from 8pm to 6am, Sunday night through Friday morning. Road closures are not allowed from 6am to 8pm.
 - OWASA indicated that the Contractor will need to submit a formal written request for any weekend work that will be subject to NCDOT and Town of Carrboro review and approval.
- Contractor shall be responsible for determining location, depth, material, type, and condition of existing utilities. Prior to construction, contractor shall confirm depth of existing and proposed manholes prior to construction. Prior to construction, contractor shall confirm location of all sanitary sewer services to ensure connectivity is reestablished after sewer main replacement.
- It is the Contractor's responsibility to maintain sanitary sewer service through construction unless accepted by OWASA prior to the outage. Temporary services shall be used where expected disruptions impact customer operations. Services shall be restored prior to leaving the worksite at the end of each work day. Contractor to coordinate with property owners prior to construction. Contractor shall notify OWASA and customer 5 days and 48 hours prior to service interruption.
- The Contractor is expected to maintain a clean construction site daily. All travel lanes shall be opened at the end of each work day with no impacts to vehicle traffic.
- Temporary stone or gravel driving surface is not permitted to remain in place at the end of each work day. Contractor may cover stone with steel road plates provided road plates extend 2 feet beyond temporary stone surface. Contractor shall repair all disturbed roadways per applicable roadway repair details.

- The Contractor may utilize steel road plates (extended 2 feet beyond a temporary stone surface) or temporary paving in accordance with applicable temporary asphalt repair details as shown on Sheet D2 of the Drawings at the end of each work day.
- NCDOT resurfacing project is scheduled to start in summer 2022. Construction inside NCDOT resurfacing project limits shall be complete by May 31, 2022.
- Contractor shall not store excavation onsite. Excavated material shall be hauled to an offsite location prior to the end of each shift.
- Bypass pumping equipment and appurtenances shall be removed from the project site, and sanitary sewer flow shall resume normal flow path and conditions at the end of each work shift.
- Sanitary sewer laterals shall be replaced or reinstated. If plans do not state for the lateral to be replaced then lateral shall be reinstated unless approved by OWASA. Refer to Notes 23A and 23B on Sheet G2 for details on lateral replacement or reinstatement.

Comments and Bidder Questions:

- **Question:** Who should we contact for technical questions regarding the plans and specifications?
Answer: Bidders are to contact Adam Paukovich (apaukovich@mckimcreed.com), Michael Penny (mpenny@mckimcreed.com), or Jacob Bowes (jbowes@mckimcreed.com) if there are technical questions regarding the plans and specifications. For general bidding questions, please contact Karen Mattingly (kmattingly@mckimcreed.com). All questions must be submitted in writing. Bidder Questions received less than (5) days prior to the date for opening Bids may not be answered.
- **Question:** Are we able to perform temporary asphalt paving and permanent asphalt paving during the day to avoid coordination with asphalt plants at night when temperatures are cooler and asphalt plants are typically closed?
Answer: The Engineer is coordinating with OWASA and NCDOT to provide and confirm provisions for paving surface and paving work hours. Additional provisions will be addressed in an upcoming addendum.
- **Question:** Are there any provisions in the contract regarding project schedule for the procurement of material given the current delays in the procurement and delivery of construction material?
Answer: The Engineer is aware of industry material shortages. The base bid of the project installs PVC C-900 with an alternate for 401-lined DIP. Additionally, OWASA will consider the Contractor's request to use materials provided from different manufacturers. The date of manufacture shall not exceed one year.

- **Question:** Are we able to complete tie-ins and establish active flow on newly installed sanitary sewer mains and laterals at night?

Answer: The Contractor may complete tie-ins for both sanitary sewer mains and sanitary sewer service laterals during allowable project work hours. The Contractor is responsible for maintaining sanitary sewer service throughout construction at all times unless otherwise approved and accepted by OWASA prior to an expected outage to complete a tie-in.

- **Question:** Does active flow on newly installed sanitary sewer need to be on temporary bypass to perform CCTV testing?

Answer: Due to anticipated low flow conditions of sanitary sewer during allowable project work hours, the Contractor may perform CCTV under active flow conditions on newly installed sanitary sewer main as long as flow remains below the spring line of the pipe, and the entire periphery of the pipe is visible. It is the responsibility of the Contractor to confirm flow conditions throughout construction in each work area. The Contractor is expected to perform all post-installation CCTV in accordance with the measurement and payment descriptions as listed in Specification 01 10 26 – Unit and Lump Sum Prices.

- **Question:** Is post-installation sanitary sewer testing (i.e. low-pressure air, vacuum, and mandrel (deflection)) testing required?

Answer: Low-pressure air and deflection testing of the sanitary sewer mains will be waived for this project. However, if the Engineer or OWASA observe pipe installation procedures not in conformance with contract documents, testing may be required.

Vacuum testing of manholes is not required. However, if the Engineer or OWASA observe manhole installation procedures not in conformance with the contract documents, testing may be required. As a clarification, all manholes shall receive an interior lining or coating per Section 02530 Part 2.2-N. Lining or coating of the bench shall be installed after forming and curing of the bench. Spark testing of manhole linings and coatings is required and shall be witnessed and accepted by OWASA or the Engineer's on-site representative.

- **Question:** What is the operation schedule for the Norfolk-Southern railroad?

Answer: The Contractor shall coordinate with Norfolk-Southern railroad to confirm railroad schedule.

- **Question:** How will the removal of petroleum contaminated soils be classified and paid for?

- **Answer:** Additional provisions related to the classification and removal of petroleum contaminated soils, as well as an applicable pay item, will be addressed in an upcoming addendum.

- **Question:** Is a Night Work permit required to be obtained by the Contractor?
- **Answer:** The Engineer has coordinated the design and construction schedule with the Town of Carrboro, NCDOT, and OWASA. Additional permits, beyond those listed in this agenda, are not anticipated. It is the Contractor's responsibility to confirm if additional permits are required. Additionally, it is the Contractor's responsibility to request additional work hours outside those listed in the contract documents.

- **Question:** Is it required to dispose of the bottom 32-inches of soil as sanitary sewer contaminated soil?
- **Answer:** Due to the condition of the existing sanitary sewer, it is assumed the bottom 32-inches of soil above of the excavation is contaminated with sanitary sewer. The Contractor shall assume this section of excavation is contaminated and dispose of soils in accordance with the contract documents.



ORANGE WATER AND SEWER AUTHORITY (OWASA)
EAST MAIN STREET SANITARY SEWER REHABILITATION AND REPLACEMENT - PHASE 1 (OWASA CIP NO. 276-63)
PRE-BID MEETING
October 19, 2021

SIGN-IN SHEET

<u>Name</u>	<u>Organization</u>	<u>Phone Number</u>	<u>Email</u>	<u>Attendance</u>
Jacob Bowes	McKim & Creed, Inc.	(919) 600-9947	JBowes@mckimcreed.com	✓
Michael Penny	McKim & Creed, Inc.	(919) 441-1014	MPenny@mckimcreed.com	✓
Adam Paukovich	McKim & Creed, Inc.	(919) 404-9748	APaukovich@mckimcreed.com	✓
Deepthi Kalyanam	OWASA	(919) 579-6811	DKalyanam@owasa.org	✓
Darren Berger	OWASA	(919) 636-2785	DBerger@owasa.org	✓
Case Booth	MID ATLANTIC INFRASTRUCTURE	336 413 8423	cbooth@mis-usa.net	✓
Tim Hagan	Pipeline Utilities	919 422 7930	thagan@puj-nc.com	✓
Brad Keeley	Maefat Pipe Inc	919-295-4630	Bida@MaefatPipe.com	✓