



Invitation for Bid No. 2021-044

Tarkhill Force Main Improvements

ADDENDUM No. 1

ISSUE DATE: February 19, 2021

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

Addendum #1, IFB #2021-044, Tarkhill Force Main Improvements

Union County, NC
Tarkhill Force Main Improvements
Project Number: SW103

ADDENDUM # 1

ISSUED DATE: February 19, 2021

BID DATE: February 23, 2021, 2:00 pm

TO ALL BIDDERS:

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents and all previous Addenda.

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

Below are changes, additions, and/or clarifications to the bid documents for this project.

Specifications

Item 1: *(Only if we allow the manufacturer's representative meet the experience qualifications)*

Section 02955 – Cured-in-Place Pipe (CIPP) Lining – Pressure Sewer, revise as outlined below:

1. Section 1.4.A. – Qualifications – Add Item 4 as follows:
 4. In the event that Contractor does not meet the qualifications of Item 3 above but has performed successful application of gravity sewer lining in at least 10,000 liner feet of wastewater collection systems, a representative of the liner manufacturer must be on-site to observe all liner installation, cleaning and testing operations. The manufacturer's representative must meet the qualifications in Item 3 above. The services of the manufacturer's representative is to be at no additional cost to the Owner.
2. Section 2.4.B. – Design Parameters – Revise internal vacuum to -11.6 psi.

Q/A & Clarifications

Item 2: Question: What is the estimated budget, start date, and completion date?

Answer: The engineer's estimate is approximately \$1,200,000. Anticipated start date is late April/early May 2021. The number of days to achieve substantial completion is 135 and the number of days to achieve final completion is 150.

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Item 3: Question: What if the project comes in over the engineer's estimate? The project was bid before. Why was the previous bid unsuccessful?

Answer: It is acceptable for the lowest bid to be over the engineer's estimate. Due to various delays, the work start date for the previous bid moved into fall 2020. The wastewater treatment facility that was to receive the diverted flow did not have the capacity to handle the diverted flow, as well as the increased winter season inflow and infiltration. The contractor was unable to hold pricing until Spring 2021. Therefore, the contract was not executed.

Item 4: Question: May a manufacturer's representative that is onsite during liner installation satisfy the experience qualifications in Section 02955 – 1.4.A – Qualifications.

Answer: See Item 1 above.

Item 5: Question: -14.4 psi internal vacuum seems high for a 16" pipe. Can you reduce the maximum internal vacuum to -11.6 psi?

Answer: See Item 1 above.

Item 6: Question: The encroachment permit requires approval by NCDOT for leaving trenches open overnight. However, Section 02221 – 3.2.B.2c requires that no trenches be left open overnight. Please define the minimum dimensions of an excavation for a trench?

Answer: The NCDOT encroachment agreement states "No trenches are to be left open overnight without prior permission from NCDOT". Contractor should request permission from the NCDOT representative if Contractor will need to leave trenches open overnight. Contractor is also to follow all applicable OSHA safety standards.

Item 7: Question: Are junction pits considered trenches? And do the junction pits need to follow the same requirements in its entirety of spec section 02221?

Answer: Yes

Item 8: Question: Will all of the requirements set forth in the encroachment permit from May 2006 hold true under this new contract?

Answer: Yes

Item 9: Question: This project will require significant disruption to existing traffic on Marvin Rd. Per the encroachment permit, lane closures are only allowed between the hours of 9 am to 4 pm during the day or 6pm to 6am during the evening. This is not practical for CIPP installation. A liner cannot be installed, cured, and cut out in 7 hours. Will NCDOT allow longer lane closures for this project? If not, are they going to allow the Contractor to work close to the shoulder without a lane closure?

Answer: We are not requesting additional lane closure time from NCDOT. Work can be performed within the shoulder without a lane closure.

Item 10: Question: We have contact NCDOT and found some stringent specifications regarding open pits within their right of ways possibly requiring sheet piles next to the edge of pavement if pits are within the 1:1 of edge of pavement. They also state we may need PE stamped designs for the shoring. We have also called in locates and the junction pits will be within the 1:1 slope of the edge of pavement. Can Union County confirm what will be required for shoring within the 1:1 slope?

Answer: As stated in the question, NCDOT requirements may call for sheet piling or other system designed and sealed by a Professional Engineer registered in North Carolina. Means and methods are left to the Contractor and contractor's engineer.

Item 11: Question: Work hours are defined as 7 am to 6 pm M-F. Once a liner is installed the process cannot be stopped until completed. This project will require significant night work, even with installs beginning during the day time hours. This includes large pieces of equipment (pumps, boiler trucks, etc.) running into the night. What is going to be the Owner's stance on extended work hours?

Answer: The Contractor should endeavor to perform all work during the specified work hours. However, we understand that the nature of the work will outside these times. We will allow work outside these hours as necessary. Due to the vicinity to residents, the Contractor should endeavor to keep noise to a minimum outside the specified work hours.

Item 12: Question: There are several locations along Marvin Road where existing fences of various types will have to be removed and relocated for construction. What type of temporary fencing is going to be required? Obviously for fence restricting the movement of livestock the Contractor can't use typical temporary construction fencing. Can the Owner please specify what materials the temporary fencing shall be so each bidder is bidding the same?

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Answer: There are no restrictions on fencing material. The temporary fencing material and installation should be at least as structurally sound as the existing fence. Height and depth of bury (if applicable) should match or exceed the fence being temporarily relocated.

Item 13:

Question: Does the Owner have a location to dispose of debris removed from the force main during pre-cleaning and inspection? Landfills are not permitted to take debris from sewer mains.

Answer: Union County has a location for receiving debris removed from the force main. Contractor may legally transport debris removed from the force main to the drying beds at Crooked Creek Water Reclamation Facility, located at 4015 Sardis Church Road, Monroe, NC 28110. Pipe and other construction debris will not be allowed to be dumped at this location.

Item 14:

Question: Will the Owner provide water for the project free of charge or will the Contractor have to purchase water used on the project.

Answer: Owner will provide water for the project.

This addendum and all associated specifications sections and revised Contract Documents will be uploaded to the online plan room and distributed to registered plan holders via email.

Receipt of this addendum must be acknowledged on Page 1 of EJCDC C-410 – Bid Form.

Sincerely,



Michael S. Caldwell, P.E.
Project Manager
Union County Government

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END OF ADDENDUM #1