



**Invitation for Bid No. 2022-071**

**Water Main Replacements – FY 22**

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**ADDENDUM No. 1**

**ISSUE DATE: May 25, 2022**

Responding Bidders 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.

## A) Questions & Answers

1. **Question:** On Pg.9 of the special provisions, note 52 states we need a minimum of 5' clearance between any new pipe and existing drainage pipe. On pg. C-05 of the plans it states a minimum of 3' separation. Which will govern in this situation?

**Answer:** The requirement of 5 vertical feet of clearance under a drainage culvert generally relates to “unprotected” utilities. Since a steel casing pipe is provided under the culvert, 3 feet of vertical clearance will be allowed.

2. **Question:** On Pg. G-02 note 37 states “Contractor to position and maintain concrete jersey barriers around bore pits.” Will water filled barriers, or temporary chain link fencing be allowed in lieu of concrete barriers?

**Answer:** Contractor may employ devices and methods approved by NCDOT. Temporary chain link fence will not be allowed as protection of the bore pit from vehicular traffic.

3. **Question:** In regards to Note 46 on plan sheet G-02, can the hydrant that is shown in the profile on pg. C-05 (Goose Creek Dr.) be shifted to the high spot? If additional hydrants or air release valves are needed in the high spots that not shown on the plans, will those be paid for those under the appropriate bid items?

**Answer:** The fire hydrant shown on Sheet C-05 of the plans is positioned to optimize fire protection. The location may be shifted a few feet in either direction upon coordination with Union County field representative or Engineer, but will violate distance requirements if relocated to a high point. For this particular project, mainline air release devices are not provided in the design and are nor anticipated to be needed. In the event additional devices are requested by Union County, payment will be made using appropriate bid items, field orders, and change orders.

4. **Question:** Could a bid item be added for trench rock?

**Answer:** Geotechnical investigations were not performed for this project, so a reasonably accurate quantity of trench rock is not available. In accordance with Note 36 on Sheet G-02 of the plans, “all excavation, including rock excavation, is unclassified”. A bid item for trench rock excavation will not be added to the Bid.

5. **Question:** What is the anticipated notice to proceed?

**Answer:** Union County understands procuring construction materials can be challenging. The date of Notice To Proceed can be shifted, within reason, to accommodate procurement of materials and contractor availability.

6. **Question:** Can the start date be delayed until material is available to ship to the job?

**Answer:** The start date can be shifted, within reason, until construction materials are available to ship to the job sites.

7. **Question:** Can the bid date be moved until Thursday (6/2) so that this project is not bidding the day after a major holiday?

**Answer:** The bid date will remain May 31, 2022.

8. **Question:** Do you have an engineer's estimate for this project?

**Answer:** Engineer's Estimate for construction is \$550,000.

9. **Question:** How will material escalation be handled for situations that are out of the contractor's control, during the duration of the project?

**Answer:** Union County currently does not offer provisions for material cost escalation.

10. **Question:** Can the contractor open cut Goose Creek Tributary in lieu of a bore and jack as shown on the plans?

**Answer:** The bore-and-jack installation of steel casing pipe at Goose Creek tributary (Sheet C-01 of the plans) is a requirement of the erosion control permit included in Section 01900 of the project manual – "Letter of Approval with Modifications". Open-cut installation is allowed by all other permitting agencies. With approval of NCDEQ Land Quality Section acquired by the construction contractor prior to construction, Union County will allow the contractor to open-cut the tributary. For said request of approval, bidders should contact Mr. Shannon Leonard of NCDEQ Land Quality Section at 704-663-1699 or [Shannon.Leonard@ncdenr.gov](mailto:Shannon.Leonard@ncdenr.gov).

11. **Question:** Based on the NCDOT encroachment will we be required to have active shoring when inside the theoretical 2:1 slope on the state roads shown on the plans? Several of the tie-in locations fall inside the 2:1 slope. Also will active shoring be required when Surry Lane is open cut per the plans?

**Answer:** The plans are approved by NCDOT as provided. Notes are provided in the plans requiring lane closures and flaggers at some tie-in locations – the lane closures allow clearance between maintained traffic and the trench. The open-cut method of pipe installation across Surry Lane is allowed since vehicular access to the entire area can be maintained in the event of road closure. Contractor may provide active shoring in order to keep the road open as an option, or the contractor may close the work-area portion of the road in accordance with the NCDOT Special Provisions and NCDOT requirements – See Sheet D-07 of the plans. As an additional option, Union County will consider installation of the road-crossing by bore-and-jack method or other methods upon request.

12. **Question:** Are the bids required to be broken down into unit prices. Is this Mandatory?

**Answer:** The project in question is being bid as a Unit Price contract. The project will not be paid on a Lump Sum basis. As instructed in the Bid Form, Article 5.01 – Basis of Bid, “Bidder will complete the Work...for the following prices”, for which a Bid Unit Price should be provided by Contractor for each Item and a Bid Price should be provided by multiplying the Estimated Quantity for each Item by the Bid Unit Price. The Total Bid amount will be the sum of the Bid Price for all Items.

13. **Question:** I wanted to take a moment and verify that we do purchase the materials for the Water Main Replacements FY22 that bids on 05/31. I have interpreted the spec book information as we do supply materials but I always like to get confirmation just in case.

**Answer:** Contractor is responsible for providing materials as specified in Section 01025 Part 1.2.A. as follows:

All costs in connection with the proper and successful completion of the work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction plans, equipment, and tools; and performing all necessary labor and supervision to fully complete the Work, shall be included in the unit and lump sum prices bid.

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**END OF ADDENDUM No.1**