



Invitation for Bid No. 2021-073

Twelve Mile Interceptor I/I Abatement Project

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ADDENDUM No. 1

ISSUE DATE: May 12, 2021

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. Previous Addenda Requirements
1. N/A
- B. Bidding Requirements
1. The meeting minutes from the May 4, 2021 Pre-Bid Meeting are attached. The attendees' list, including contact information, is included with the minutes.
- C. Contracting Requirements
1. Paragraph 17.11 Minority Participation is omitted from Section C-700 Standard General Conditions. There are no established MWBE goals for this project.
- D. Technical Specification Requirements
1. Paragraph 08. WARRANTY is omitted from SECTION I: INTERNAL PRESSURE TESTING AND GROUTING OF SEWER MAIN JOINTS
 2. Add Trelleborg's epros DrainPacker System to Paragraph 02. APPROVED PROVIDERS in SECTION 6: CURED-IN-PLACE SECTIONAL LINERS
- E. Drawing Requirements
1. N/A
- F. Questions / Clarifications
1. We would like to request access to CCTV and Manhole Inspections for this project completed by Hydrostructures in 2020.

Answer: A file share was created with the existing video and manhole inspection data. Please use the link below:
https://www.dropbox.com/sh/0ec3dijiumg3mh2/AACP98gBSBr4QrMoC37V_OBDa?dl=0
 2. Is there any chance you can extend the question period until after we can review the CCTV and Manhole Inspections? That data may generate additional questions for the project.

Answer: Questions received after the stated deadline may not be received.
 3. Bypass specs call for 2.5 times the average daily flow, can you share that information please.

Answer: An average daily flow of approximately 660,000 gpd was recorded at manhole 8245 as part of a flow monitoring study dated May 13, 2019. This flow is representative of the current conditions. Capacity of the flow through bladders may be subtracted from the average daily flow if stated in the bypass plan.
 4. Is 24/7 pump watch required or will you accept an auto dialer.

Answer: Twenty-four-hour monitoring may be accomplished with an auto dialer. However, personnel must be on standby to respond to emergencies.

5. How much redundancy will be required, for example if it takes 4 pumps to bypass the 42" line. Do we need 1 backup (25 %) or 2 (50% backup) and so forth?

Answer: Contractor would need to have pumps onsite capable of providing 100% redundancy.

6. Will you allow creek crossings to be installed to provide access across 12 mile creek?

Answer: Temporary creek crossings would need authorization and / or meet requirements of NCDEQ / USACE.

7. Is the footage known for the point repairs?

Answer: Footages for the locations of the CIPP spot repairs are listed in the repair table.

8. For the project above, has a cost estimate or value for the project been established? If so, can you please provide that?

Answer: The construction cost estimate is \$150,000.

9. What is the start date and end date for the project?

Answer: July 2021

10. I would like to submit Trelleborg's epros DrainPacker System for approval of the Cured-In-Place Sectional Liners. Can you let me know where to send the formal request?

Answer: Trelleborg's epros DrainPacker System is an approved equal.

11. Section 1: Internal Pressure Testing & Grouting of Sewer Main Joints – Page 5, Section 08 - WARRANTY, discusses warranty of a liner. Can you please clarify the warranty for grouting?

12.

Answer: disregard this warranty paragraph.

13. Section 1: Internal Pressure Testing & Grouting of Sewer Main Joints – Page 4, Section 06, - ACCEPTANCE, B. states "joints that fail visual acceptance (leaking) shall be regouted at the contractor's expense. After grouting specified joints, water may move to nearby joints that were not previously leaking. If we see new leaking joints during our post-grouting CCTV inspection, how will this be handled?

Answer: Contractor would be paid for test and seal grouting of new joints when requested by Owner / Engineer.

14. Survey of the manholes showed that there is a less than full diameter opening in the top of the pipe at the bottom of the manholes. Can we increase the opening size for equipment access for the Cured-In-Place Sectional Liners?


Answer: Yes, the opening size may be increased. Resulting debris shall be captured and removed from the manhole.

15. Rings, covers, and manhole cones may need to be removed for access to the lines requiring sectional liners. Will the contractor be responsible for removal and replacement?

Answer: Yes, this will be incidental to the cost of test and seal grouting and installation of CIPP sectional liners. Please see work item descriptions in Section 01270 Unit Prices.

Bids will be received until 2:00 pm, May 25, 2021

FOR THE OWNER
Hydrostructures, PA

BY 
Brandon A. Sykes, P.E.

END OF DOCUMENT

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|-----------------|---|------------|-----------------|
| Project | Union County Public Works 12 Mile I/I Abatement Project | From | Hydrostructures |
| Subject | Pre-Bid with Minutes | Tel | 919-542-5002 |
| Venue/Date/Time | 12 Mile Water Reclamation Facility 8299 Kensington Dr., Waxhaw, NC 28173 / May 4, 2021 / 11:00 am | Project No | NCUC.20.01 |

1. Introduction

- Greg Morgan – UCPW – Utility Field Services Superintendent / ORC
- Cheryl Wright – UCPW – Division Director Procurement
- Matt Hargett – UCPW – Field Services Supervisor
- Bart Farmer – UCPW – Superintendent / Treatment
- Jonathan Jordan – UCPW – Chief Operator – 12 Mile
- Thomas Mann, PE – UCPW – CIP Program Manager
- Brandon Sykes, PE – Hydrostructures – Engineer / Project Manager
- Kenton Brown – Hydrostructures - Resident Project Representative
- Questions/Clarifications – ~~Email Brandon Sykes, addressed via addendum~~
Correction, Email questions to Cheryl Wright – Union County Procurement Director @ cheryl.wright@unioncountync.gov
Last day for questions – Thursday, May 6, 2021 @ 5pm
Questions received after this date and time may not be answered.

Union County staff offered to escort bidders on a site visit directly following the meeting.

2. Project Overview

- Test and seal grouting of approximately 12 pipe joints in 42-inch Reinforced Concrete Pipe
- Installation of 3, 42-inch CIPP Sectional Liners
- Miscellaneous manhole leak injection and repair
- Access improvements and site restoration

Hydrostructures performed CCTV and manhole inspections on this portion of the interceptor in June, 2020.

3. Project Schedule

- Bid Date – **May 25, 2021 at 2:00 PM** - Union County Procurement Department at the Union County Government Center, 500 N. Main Street, Suite 709, Monroe, North Carolina 28112. The public bid opening will be conducted outdoors, in the front entrance area of the Union County Government Center.
- Schedule – 60 days for Substantial Completion & 90 days for Final Completion
- Liquidated Damages - \$750/day
- Anticipated Notice-to-Proceed – July

The intent is to perform the project during seasonal dry weather to reduce access challenges along the easement.

4. Working Hours

- Regular working hours are defined as 7:00 am to 6:00 pm, Monday - Friday, Eastern Standard Time.
- No weekend or holiday work allowed.
- Night work or deviation to standard working hours will be considered by UCPW on a case-by-case basis.

5. Bid Package Requirements

- Bid Bond (5% of total bid)
- Bid Form
 - i. Acknowledgement of Addenda
 - ii. NC Contractors License Number designation on Bid

6. Project Manual

- Bidding Requirements
- Contract Requirements
- Technical Specifications
 - Section -01270 Unit Prices

Bidders are encouraged to read this section to fully understand pay items versus incidentals.

7. Project Plan Set

- General Notes
- General Sequence of Work
 - i. Access Improvements
 - ii. Pre-CCTV / Cleaning
 - iii. Flow Control
 - iv. Joint Testing / Grouting
 - v. CIPP Patch Installation
 - vi. Manhole Repairs
 - vii. Site Restoration

Contractor is encouraged to capture photos of existing conditions.

- Repair / Rehabilitation Table – location of mainline and manhole repairs

8. Special Considerations

- Contractor is required to adhere to any Federal, State, or local executive orders regarding requirements for work during COVID-19.
- Contractor to obtain permission / right-of-entry agreements where access across private property is preferred.

There is a 30-foot permanent easement along this portion of the interceptor.

9. Technical Considerations

- Pre-video submittal and approval required prior to installing CIPP Patches
- Post-video submittal for of all mainline repairs (manhole to manhole video)
- Cementitious grout to reinforce chemical grout injection in manholes
- Manhole repairs will be accepted based on visual review – vacuum testing will not be required

Questions / Clarifications / Additional Comments

Contractor is encouraged not to control / bypass flow during wet weather periods. The intent of the bypass pumping should be temporary and periodic, not continuous over several days. County staff stated that the 12 Mile WRF diversion will not be in service during the anticipated construction schedule. During significant wet weather, the interceptor will surcharge near the WRF.

Question: Can 24-hour bypass pumping monitoring be accomplished by an automated modem.

Answer: Yes. However, personnel must be on standby to respond to emergencies.

Question: Does the County have average flow rates for the interceptor?

Answer: Approximately 660,000 gpd recorded at manhole 8245 as part of a flow monitoring study dated May 13, 2019. This flow is representative of the current conditions. Capacity of the flow through bladders may be subtracted from the average daily flow if stated in the bypass plan.

Question: Can bidders have access to existing video and inspection data?

Answer: Yes, a file share will be created and a link provided to the existing video and manhole inspection data.

Questions during Site Visit:

Question: Can an I-beam be used to support the bypass discharge piping when crossing the creek?

Answer: Yes. Since the bypass pumping is temporary and periodic, the HDPE pipe can also be draped across the creek. The contractor is responsible for securing or removing the discharge pipe to accommodate storm runoff.

Question: Will additional manhole repairs be added in the field.

Answer: Additional repairs may be added in the field by Engineer / Owner. The intent of the manhole repairs is to stop groundwater infiltration. Surface repairs or lining the manholes with cementitious liner and / or epoxy is not anticipated.

Pre-Bid Meeting/Site Visit - Sign in Sheet

Project Name: IFB# 2021-073, Twelve Mile Interceptor I/II Abatement Project

Date: May 4, 2021 Time: 10:00 AM (EST)

| DATE | COMPANY NAME | CONTACT NAME & PHONE# | EMAIL ADDRESS |
|------|--------------------|--------------------------------|-----------------------------------|
| | Sunbelt Rentals | Tony Horton 980-213-7007 | anthony.horton@sunbeltrentals.com |
| | United Rentals | Sam Goodnight 980-297-6275 | sgoodnight@UR.com |
| | ProCoat | Tonia Burton 336-908-7053 | tbarton@procoatcorp.com |
| | Hydrostructures | Brandon Sykes 919-819-5109 | brandon.sykes@hydrostructures.com |
| | Bio-Nomic Services | Buddy Anderson 704-369-9255 | banderson@bio-nomic.com |
| | UCPW | GREG MORGAN 704-289-3288 | gregmorgan@unioncountync.gov |
| | UCPW | Thomas Mann | thomas.mann@unioncountync.gov |
| | UC Procurement | Cheryl Wright | cheryl.wright@unioncountync.gov |
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