

**INVITATION TO BID**

**DATE: July 17, 2018**

**City of North Augusta, South Carolina  
Streets and Drains Department**

**Office (803) 441-4295**

**Fax (803) 441-4243**

**BID DATE: August 1, 2018**

**Website: <http://www.northaugusta.net>**

**THIS IS NOT AN ORDER**

**DESCRIPTION:**

The City of North Augusta will be accepting sealed bids for the item(s) listed. All envelopes are to be Sealed and Clearly Labeled: **City of North Augusta Stormwater Pipe Lining Project**. Bids will be opened and read publicly, **August 1, 2018 at 10:30 am.**

*Please submit in person or mail bids to:*

**ATT: David Caddell**

**Superintendent Streets and Drains**

**61 Claypit Road**

**North Augusta, SC. 29841**

The City of North Augusta reserves the right to accept, reject or waive any and all bid documents.

This completed form must appear as the top sheet for all bids submitted.

Total Amount of Bid \$ \_\_\_\_\_

All Items Bid? Yes \_\_\_\_\_ No \_\_\_\_\_

It is the intent and purpose of the City of North Augusta that this Invitation to Bid promotes competitive bidding. It shall be the bidder's responsibility to advise the Purchasing Department at the address noted if any language, requirements, etc. or any combination thereof, inadvertently restricts or limits the requirements stated in this Invitation to Bid to a single source.



I hereby propose to furnish the goods and/or services specified at the prices or rates quoted in my bid. I agree that my bid will remain firm for a period of up to sixty (60) days in order to allow the City adequate time to evaluate the bids.

I certify that all information contained in this bid is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this bid on behalf of the vendor/contractor as its act and deed and that the vendor/contractor is ready, willing and able to perform if awarded the bid.

I further certify, under oath, that this bid is made without prior understanding, agreement, connection, discussion, or collusion with any other person, firm or corporation submitting a bid for the same product or service; no officer, employee or agent of the City of North Augusta or of any other bidder interested in said bid; and that the undersigned executed this Bidder's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

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Company Name

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Representative

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Company Address

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City, State, Zip Code

( )

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Telephone Number



## **SPECIFICATIONS FOR CURED-IN-PLACE (CIPP)**

### **TRENCHLESS STORMWATER LINE REHABILITATION**

#### **A. INTENT**

The purpose of this document is to provide minimum requirements and specifications for the anticipated reconstruction of failing Storm lines located in North Augusta SC, belonging to and maintained by the City of North Augusta Department of Public Works. The City of North Augusta reserves the right to deduct or add additional line footage to this project as reflected on the bid tabulation (attached). Each line item bid will stand separately with items one and two being our top priority.

#### **B. PROJECT**

The contractor shall furnish all labor, equipment and materials necessary to rehabilitate the Storm line using the trenchless method of cured-in-place pipe (CIPP). The CIPP material shall consist of a resin-impregnated material when cured shall extend the full length of the original pipe and provide a structurally sound, smooth, jointless and watertight pipe or acceptable equivalent. .

#### **C. CONTRACTOR SUBMITAL**

1. Contractor shall include with bid proposal copies of current general liability and workers compensation certificates.
2. At least two-references of companies who have used the contractor for similar services within the previous 18-months. References shall include brief scope of work, business name, contact name and phone number(s).

#### **D. MATERIALS & DESIGN**

Neither the CIPP product, nor its installation, shall cause adverse effects to any of the City processes or facilities. The use of the product shall not result in the formation or production of any detrimental compounds or by-products at the wastewater treatment plant or be released into the pipe after curing. This specifically includes water by-products used in curing. The contractor shall notify the City and identify any by- products produced as a result of the operations, shall test and monitor the levels, and shall comply with any and all local waste discharge requirements.

1. The Liner shall be non-corrosion material, free from tears, holes, cuts, foreign materials and other surface defects.
2. The Liner shall be constructed to withstand installation pressures as required by Manufacturer's recommendations.
3. The Liner shall be manufactured to a size that when installed will tightly fit the internal circumference and the length of the original pipe. The liner must be capable of fitting irregular pipe sections and negotiate bends of up to 20 degrees. (A protective sleeve-liner may be used in areas where the CIPP liner has the potential for tear or puncture. Liner-sleeves shall be pre-approved prior to installation by the designated representative for the City of North Augusta, SC).
4. The wall color of the interior pipe surface of CIPP after installation shall be a light reflective in color so that a clear detailed examination with CCTV inspection may be made.
5. The nominal Liner wall thickness shall be constructed to the nearest 0.5mm increment.
6. The resin used to impregnate the Liner shall produce a cured liner pipe resistant to shrinkage, corrosion, abrasion and shall have a proven resistance to municipal wastewater.
7. The thickness of the liner shall be a minimum of 9 mm.
8. The Liner shall be so designed for long-term, 30 year minimum to withstand earth loads, groundwater loads, surface loads and localized loadings or structural defects in the existing pipe.

**E. CONSTRUCTION REQUIREMENTS**

1. The contractor shall verify the lengths of pipe to be relined.
2. The contractor prior to installation of CIPP, shall clean the internal pipe segment for the purpose of removing scale, silt or sediment deposits, grease or any other foreign objects. The City of North Augusta reserves the right to provide cleaning services for the contractor.
3. During the installation and the curing process the contractor shall provide for bypassing of the flows around the sections of the pipe designated for CIPP where needed. The City of North Augusta reserves the right to provide bypass pumping services for the contractor.
4. The Liner shall be pulled-in through an existing manhole and fully extended to the next designated manhole. Care shall be exercised not to damage the liner during the pulling phase.

5. The contractor shall submit to the designated representative of the City of North Augusta for acceptance and approval a copy of an unedited post-installation video on flash drive and associated curing reports for each lined pipe segment within 10 working days of the Liner installation.

F. **FINISHED PRODUCT**

1. All workmanship and materials will meet the standards of the industry. The finished CIPP shall be continuous over the length of pipe between two manholes and shall be an impermeable, joint-less conduit-free from visual defects such as foreign inclusions, dry spots, pin holes, lifts or de-laminations. The inner surface shall be free of cracks and crazing with a smooth finish. With the approval of the North Augusta Utilities Department, SC, some minor waviness shall be permitted, providing that the flow cross-section is not reduced appreciably, the flow characteristics are essentially unchanged and potential line blockage does not occur. In the event the finished liner does not fit tightly against the original pipe at its termination point(s), the space between the liner and the pipe shall be made watertight utilizing manhole end seals, hydro-tite gaskets or approved equal.

**WARRANTY**

1. The Contractor shall provide the City of North Augusta, SC a written full labor and materials warranty to be in force and effect for a period of 12-months from the date of physical completion of the project. The warranty shall cause the contractor to repair or replace the Liner should failures or damage result from faulty material or installation.

**PAYMENT**

The contractor shall be paid within 30-days upon receipt of invoice by the City of North Augusta.

Bid Items

Please note that each bid item (1-3) must include pipe cleaning where needed and post installation report with video.

- 1) 18" CMP Line Approx. 130 ft between 12 and 14 Woodlawn Ct.
- 2) 24" RCP Line Approx. 285 feet between a junction box at the intersection of Woodlawn Ln and E. Woodlawn Ave. and a grate inlet located between 56 and 58 Woodlawn Ln.
- 3) 24" RCP Line Approx. 215 feet between the grate inlet located between 56 and 58 Woodlawn Ln. and the junction box at the rear of the driveway at 60 Woodlawn Ln.

**The successful bidder must be willing to begin this project within 10 days of award for item 1.**

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

Discount for combined bid items (all 3): \_\_\_\_\_

Additional per linear foot price for added work:

15" \_\_\_\_\_ 18" \_\_\_\_\_ 24" \_\_\_\_\_

30" \_\_\_\_\_ 36" \_\_\_\_\_

Signature of Bidder: \_\_\_\_\_ Date: \_\_\_\_\_