

SPLOST Project Initiation Package

1. **Date:** November 21, 2024

2. **Project Name and Requesting Department:**

The Department of Watershed Management will work contractor Ruby-Collins, Inc. to construct the emergency project Peachtree Industrial Blvd 30-inch Transmission main replacement. The project requires the installation of approximately 10,500 LF of 12-inch and 10,500 LF of 36-inch ductile iron upsizing the existing 30-inch water main.

Funding for this project has been identified in SPLOST Category 1B. Total cost of project is estimated at \$46,435,928 with a total amount not exceed of \$10,000,000 from SPLOST funding.

David Hayes, Director, Watershed Management _____ Date 11/1/24

3. **Need and Purpose:**

This is project is required to prevent the eminent failure of the existing 30-inch diameter water main that serves 1/3rd of the County's population.

DWM needs to replace a critical section of the existing 30-inch water main that delivers water from the Scott Candler Water Treatment plant to the west corridor of the county through Districts 1,2 and 3. The existing pipe was initially installed in 1954. Using DWM historical data, it has been determined from 1987 to 2022 the area has had 26 confirmed main line breaks and 15 leaks within the project area. These breaks have primarily been small pinhole leaks caused by corrosion of the pipe material. The ongoing process of corrosion and pitting inside the water supply line eventually causes an external pinhole leak. While the leakage may appear minor, it's a major red flag that indicates serious weakening of the pipe. The continuous pinhole leaks are good indicators that the entire pipe is aged/corroded and could fail at any time.

4. **Requested Services and Work Scope:**

- a. **Type of Work being requested.** Services shall include personnel, equipment, and materials necessary to provide goods and services that in compliance with specifications as authorized by the County.

X	a.	Construction
	b.	Renovation/Restorations/Repairs
	c.	Engineering
	d.	Architectural/Building Renovation
	e.	Mechanical/Electrical/Plumbing
	f.	Transportation Study
	g.	Others

- b. **Brief Description of Proposed Project:** Attached plans (location map, cross sections, renderings, etc.), if available

Replacement of 10,500 LF of 30-inch steel main with 36-inch ductile iron along Peachtree Industrial Blvd. A summary package is attached. Other information available upon request.

c. **Pre-construction Services When Required for Various Project Task:**

- **Use of current on-call firm for services:** N/A
- **Right of way or land acquisition required:** N/A

- **Environmental and permits required:** **N/A**
- **Utility design or coordination:** **N/A**

5. Proposed Budget (including supporting details, detailed preliminary or final cost estimates, and SPLOST category)

- a. **See attached project proposal from contractor.**

6. Expected Start and Finish Dates:

- a. **July 2024 to December 2026**



Department of Purchasing and Contracting

INSTRUCTIONS FOR NON-COMPETITIVE PURCHASE REQUESTS

The Competitive Bidding Process is the preferred method of purchasing good or services. A waiver of this process must be requested on a case by case basis by completing a Non-Competitive Purchase Request Form in its entirety.

The form must be signed by Department Director of the User Department and submitted to the Director of the Department of Purchasing and Contracting by attachment to the requisition in Oracle.

Justification for the waiver must be provided on the request form. Additional pages may be attached if necessary.

Non-Competitive Purchase Requisitions must have a market/price reasonableness determination.

Emergency Purchase Request

An Emergency Purchase Request is to be used when a User Department seeks goods or services due to an unexpected and urgent request where health and safety or the conservation of public resources is at risk. The request must be completed regardless of the time of the emergency occurrence or dollar amount of the requisition, and must include an explanation as to why the emergency cannot be responded to using the competitive process. Expiration of funds, administrative delay or expiration of a contract or quote is not acceptable criteria for an Emergency Non-Competitive Purchase.

An emergency procurement is handled outside of the normal competitive process because of the urgency of the circumstances. **Poor planning or the pending expiration of funds does not constitute a valid justification for an emergency purchase.**

Sole Source Purchase Request

A Sole Source Purchase Request is to be used when a User Department seeks goods or services from the only qualified vendor or supplier that possesses the unique ability or available capacity to provide the requested goods or services. A vendor may be a sole source when the procurement involves proprietary technology, copyright, or patented information, goods or services. Additional justification for a Sole Source Purchase Request may include the requirement to match piece of existing equipment available only from the same source of original equipment or authorized dealer or an upgrade to existing software only available from the producer of the software;

A Sole Source Public Notice Form shall be posted on the County's website for five (5) business days and the results shall be attached to this Sole Source Purchase Request.



Department of Purchasing and Contracting NON-COMPETITIVE PROCUREMENT REQUEST FORM

Requesting Department: _____
Department Contact Person: _____ Telephone: _____
Email: _____

Requisition Number: _____ Suggested Supplier: _____
Estimated Amount of Purchase: _____
Detailed Description of the Goods or Services to be purchased: _____

☐ **Emergency** (For Emergency Requests, Please check this box and answer **all** questions below.)

1. Date and Time of Emergency Occurrence: _____

2. Please state the nature of the emergency posing a risk to public health, welfare, safety or resources:

3. State how the Estimated Amount was determined to be Fair and Reasonable (attach supporting documentation):

Sole Source (Please check box and answer all of the following completely.)

1. Provide an explanation why the product, service or supplier requested is the only method that can satisfy the requirements. Please explain why alternatives are unacceptable. Be specific with regard to specification, features, characteristics, requirements, capabilities and compatibility. (Attach additional documents, if necessary):

2. Will this purchase obligate us to a particular vendor for future purchases? (Either in terms of maintenance that only this vendor will be able to perform and/or if we purchase this item, will we need more "like" items in the future to match this one?) Explain in detail.

3. Explain the impact to the County or Public if this request is not approved.

I hereby request that this non-competitive procurement request be approved for the purchase of the above stated work, material, equipment, commodity, or service.

Department Director (Typed/Printed Name) _____ Signature: _____ Date: _____

Do Not Write Below – for the Department of Purchasing and Contracting Use Only

Procurement Agent (Typed/Printed Name) _____ Signature: _____ Date: _____

Procurement Manager (Typed/Printed Name) _____ Signature: _____ Date: _____

☐ Approved ☐ Not Approved

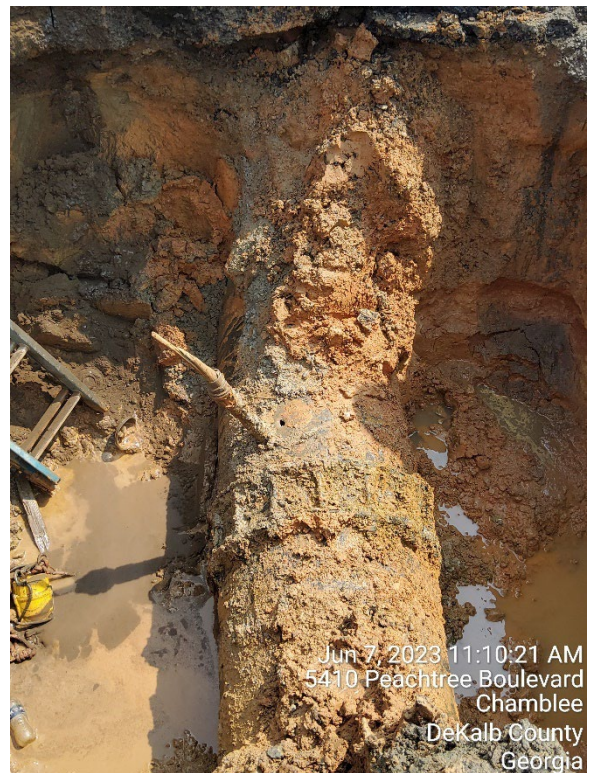
Signature: _____, Director, Department of Purchasing and Contracting Date: _____

(Additional information, attach pages if required):

Non-Competitive Procurement Request

DeKalb County Watershed Management (DWM) is currently requesting a non-competitive procurement to assist with an emergency infrastructure issue that is a primary artery of the County. DWM needs to replace a critical section of the existing 30-inch water main that delivers water from the Scott Candler Water Treatment plant to the west corridor of the county through Districts 1,2 and 3. The existing pipe was initially installed in 1954. Using DWM historical data, it has been determined from 1987 to 2022 the area has had 26 confirmed main line breaks and 15 leaks within the project area. These breaks have primarily been small pinhole leaks caused by corrosion of the pipe material. The ongoing process of corrosion and pitting inside the water supply line eventually causes an external pinhole leak. While the leakage may appear minor, it's a major red flag that indicates serious weakening of the pipe. The continuous pinhole leaks are good indicators that the entire pipe is aged/corroded and could fail at any time. **An eminent failure to this main could cause a third of the County's population to be without water.**

Photos of leaks on the 36-Inch Main



Due to the unknown high risk of failure, DWM requested proposals from two contractors, Ruby Collins and Garney Construction. These contractors currently have an active contract with the County that requires the same experience for the 36-inch Peachtree Industrial Blvd. Main Replacement. This was done to help the County mobilize a contractor more quickly and efficiently. Because time is of the essence, procuring the project through an emergency process would save the County nearly two years of delays due to completing designs, permit and land acquisition services, procurement and finally pipe manufacturing.

The project will encompass Peachtree Industrial Blvd from Parson Dr to Malone Dr. and Malone Dr from Peachtree Industrial Blvd to Peachtree Road. The project consists of installing 10,500 LF of 12-inch water pipe and 10,500 LF of 36-inch water pipe.

After receiving and reviewing both proposals, ECMS would like to recommend the contractor Ruby Collins because of the combination of its experience, capability, availability, and pricing.

It is imperative for this request to be approved. This is a large transmission water mains that convey large volumes of water from the source to areas within the main distribution system. These water pipes supply water to a large population of DeKalb County. Disruptions in this area can cause large revenue loss to the county, local businesses and impacts to multiple residents. It could also disrupt the operation of Chamblee High School which is in the project area. In addition, the aging and deteriorating system in this area raises tremendous maintenance costs. Over the past 2 years we have spent roughly \$1,225,000 on emergency repairs to this section of pipe.

The deterioration of the water distribution system in this area has translated into a high proportion of unaccounted water loss caused by leakage. Not only does this amount to loss of a valuable resource; it also raises concerns about safe drinking water because of possible contamination from cracked pipes.

The recommended contractor is already proceeding with ordering materials, obtaining required permits and planning to mobilize to site as soon as possible.

Peachtree Industrial Blvd 30-inch Steel Main

Install Date

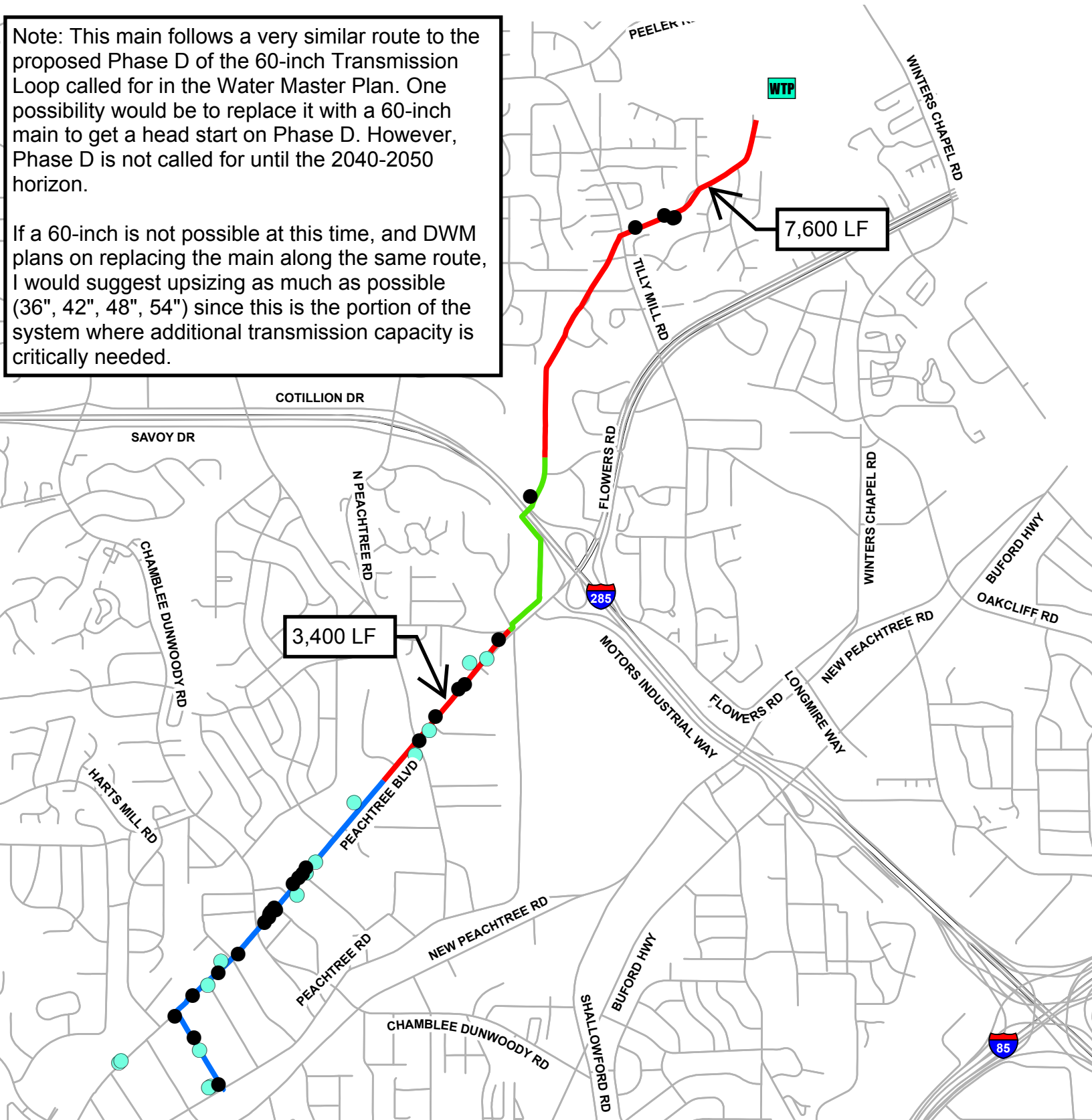
- Unknown (Assumed 1954) - 7,000 LF
- 1954 - 11,000 LF
- 1961 - 3,500 LF

Leaks/Breaks on Peachtree Industrial Blvd 30-inch (1987-2022)

- Confirmed (26)
- Possible (15)

Note: This main follows a very similar route to the proposed Phase D of the 60-inch Transmission Loop called for in the Water Master Plan. One possibility would be to replace it with a 60-inch main to get a head start on Phase D. However, Phase D is not called for until the 2040-2050 horizon.

If a 60-inch is not possible at this time, and DWM plans on replacing the main along the same route, I would suggest upsizing as much as possible (36", 42", 48", 54") since this is the portion of the system where additional transmission capacity is critically needed.



September 27, 2023

Dekalb County
Department of Watershed Management
4572 Memorial Drive
Decatur, GA. 30032

Attention: Cassandra M. Marshall, PMP

Reference: Peachtree Industrial Boulevard 36-Inch Water Main Replacement

Subject: Revised Pricing Proposal

Ms. Marshall,

Please accept this document as our revised pricing proposal for the above-referenced project. This revision is being submitted in response to GDOT's desire to restrict working hours from our original proposal submission of 7 am to 5 pm to 9 am to 4 pm when school is not in session and 9 am to 3 pm when school is in session. GDOT has also disallowed one lane closed 24/7 for the duration.

The new working hours reduce an anticipated working day from 10 hours to 6 hours for most of the year and thereby take away 40% of available time to produce. We do think that some ground can be gained where the pipe is installed near the back of the right of way and outside the governance of restricted hours. We won't lose a complete 40% of efficiency but we do expect that the project duration will be extended by several months.

B.1	Traffic Control	1 lump sum	\$929,760.00
B.2	Mobilization, Staging & Storage	1 lump sum	\$835,290.00
	Clearing and Grubbing	1 lump sum	\$98,285.00
	Ancillary Risk Items	1 lump sum	\$623,205.00
	• Power Pole Support		
	• Light/Camera Pole Support		
	• Traffic Loops		
	• Bus Stops		
	• Modular Wall		
	• Fencing and Gates		
	• Property Signage		
	• DOT Signage		
	Install 36 Inch Pipe to 17+50	1 lump sum	\$3,201,645.00
	Install 36 Inch Pipe to 37+00	1 lump sum	\$2,136,745.00
	Install 36 Inch Pipe to 62+50	1 lump sum	\$3,344,255.00
	Install 36 Inch Pipe to 80+00	1 lump sum	\$2,020,365.00
	Install 36 Inch Pipe to 110+00	1 lump sum	\$3,182,570.00
	Install 12 Inch Pipe to 17+50	1 lump sum	\$805,445.00
	Install 12 Inch Pipe to 37+00	1 lump sum	\$537,105.00
	Install 12 Inch Pipe to 62+50	1 lump sum	\$840,915.00

	Install 12 Inch Pipe to 80+00	1 lump sum	\$507,905.00	
	Install 12 Inch Pipe to 110+00	1 lump sum	\$799,935.00	
	8 Inch Water Main Installation	1 lump sum	\$1,504,285.00	
	6 Inch Water Main Installation	1 lump sum	\$215,785.00	
	Air Release Valves	1 lump sum	\$498,205.00	
	Gate Valves	1 lump sum	\$1,906,075.00	
	Fittings	1 lump sum	\$1,594,090.00	
	Blow Off Assembly	1 lump sum	\$356,550.00	
	Fire Hydrant Assembly	1 lump sum	\$414,925.00	
	Asphalt Milling & Resurfacing	1 lump sum	\$1,589,015.00	
	Concrete Walking Trail	1 lump sum	\$1,450,710.00	
	Concrete Driveways & Entrances	1 lump sum	\$520,805.00	
	Curb and Gutter All Types	1 lump sum	\$851,705.00	
	Pavement Striping	1 lump sum	\$79,170.00	
	Abandon Existing Pipe	1 lump sum	\$825,760.00	
	Trenchless	1 lump sum	\$4,908,200.00	
	Waste Disposal and Trucking	1 lump sum	\$1,508,245.00	
	Bedding and Backfill	1 lump sum	\$2,134,395.00	
	Rock Excavation	1 lump sum	\$167,450.00	
	Testing and Chlorination	1 lump sum	\$130,010.00	
	NPDES Monitoring	1 lump sum	\$38,795.00	
	Demobilization	1 lump sum	\$219,750.00	
	GDOT Working Time Restrictions	1 lump sum	\$932,330.00	
B.3	Erosion Control	1 lump sum	\$207,590.00	
B.4	Landscaping and Restoration	1 lump sum	\$297,210.00	
		Sub-Total Item B	\$42,214,480.00	
				\$4,221,448
C.1	Owner Controlled Allowance	1 lump sum	Amount as determined by DWM	
		Total Proposal DB Price	\$42,214,480.00	plus allowance = \$46,435,928

Clarifications:

- The primary basis of this proposal is the plans labeled Exhibit 1 - 10% Design Drawings DeKalb County Department of Watershed Management Peachtree Industrial Boulevard - 36-Inch Water Main Replacement May 2023 Issued for Design/Build Procurement. We recognize that those plans are not complete but as much as practical we have used the alignment, the depths, the details etc. illustrated on those drawings along with the clarifications listed below to form our pricing. Any changes in scope will be handled by allowance.
- This proposal is based on the following, which may vary from the DeKalb DWM Standard:
 - Contractor shall be allowed to string pipe in the road right of way where lane is completely closed to traffic and the pipe is protected.
 - Contractor shall be allowed to leave excavation open at night as long as it is protected from vehicles driving into it or pedestrians falling into it.
 - Thrust restraints will be manufacturers pipe restraints or megalugs. No additional thrust blocking will be required.

- Contractor may use welded on outlets for hydrants, ARV's and connections.
 - Casing pipe for jack & bores shall not be coated.
 - Flushing of the pipeline may occur in valves sections or as a whole. This will be determined solely by the contractor and will comply with AWWA standards.
 - Compaction testing will be managed by RC and will be paid for within an allowance and by Dekalb County.
 - Cross utilities with less than 18" separation may be required and will be contractor discretion. Any cross utilities that are less than 18" separation will include a concrete encasement 5ft either side of the pipeline.
 - Conflicts with utilities shall be paid for by an allowance.
 - Malone Drive and Peachtree Road will be closed to "thru" traffic during construction.
3. Our price includes zinc coated ductile iron pipe wrapped in polywrap. We have no other cathodic protection beyond those two items included in our proposal.
 4. Materials in this proposal are provided according to the Dekalb County Standard Specification.
 5. Nighttime work is not included in our proposal. Additional cost associated with nighttime work will be handled by the allowance.
 6. We have considered that we will be able to close Malone Drive and detour traffic entirely during the pipe installation in this area.
 7. We have considered that we will be able to close one lane of Peachtree Industrial Boulevard entirely during the pipe installation along PIB during 9:00-4:00 (9-3 during the school year).
 8. Our price assumes that we will install a single row of type C silt fence and a single row of orange safety fence along the edge of the right of way during the pipe installation. Inlet protection will be installed on an as needed basis.
 9. Our price considers that power poles adjacent to the installation will be able to be supported as the pipe passes the pole and such poles will not have to be relocated. Cost to remove, relocate or replace power poles will be covered by Dekalb County.
 10. Our price excludes any cost associated with contaminated or hazardous material.
 11. Bonds and insurance are included.
 12. The pricing given in this proposal is good for 60 days.
 13. Our price is based on receiving a notice to proceed with submittals, material procurement etc..... on or before November 1, 2023, along with the approval to start work no later than March 01, 2024.
 14. Compression fittings will be used for water services.
 15. Saddles may be used In lieu of direct tap for water services.

Once again, we appreciate this opportunity. If you should have any questions, feel free to ask.

Sincerely,
Ruby-Collins, Inc.

Andy Cook

Andy Cook

Cc S Cline, CEO
M Beasley
File