



Date: February 19, 2019

To: Thomas J. Bonfield, City Manager
Through: W. Bowman Ferguson, Deputy City Manager
From: Donald F. Greeley, Director, Water Management
Subject: 2019 Unscheduled Pipeline Repairs Contracts
Award of Construction Contract to Carolina Civilworks, Inc.

Executive Summary

The Department of Water Management (DWM) received bids on January 17, 2019 for the 2019 Unscheduled Pipeline Repairs Contract. This project involves unscheduled or emergency repairs and replacement of potable waterlines, sanitary sewer mains, lift stations and manholes throughout the City service area. Work performed during this project will be on an as-needed basis in response to pipeline breaks or leaks that cannot be repaired by City crews.

Three bids were received and deemed responsive, and award is proposed to the lowest two bids received. DWM recommends award to both Carolina Civilworks, Inc., in the amount of \$670,492.50 and J.F. Wilkerson Contracting Company, Inc., in the amount of \$696,695.00. Award of the contract to J.F. Wilkerson Contracting Company, Inc. is proposed in a separate agenda item.

Recommendation

To authorize the City Manager to execute a contract with Carolina Civilworks Inc., in an amount not to exceed \$670,492.50 for the 2019 Unscheduled Pipeline Repairs Contract;

To establish a contingency fund for the contract with Carolina Civilworks Inc., in the amount not to exceed \$69,507.50; and

To authorize the City Manager to negotiate change orders for the contract with Carolina Civilworks Inc., provided that the total contract cost does not exceed \$740,000.00;

Background

There are over 2,400 miles of collection and distribution infrastructure in the City of Durham. The City's collection and distribution permits require the City to repair any known defects in our system.

In certain situations, such as repairs too large or difficult-to-access pipelines, pipeline repairs require equipment or staff that the Department of Water Management's maintenance divisions cannot provide. In other situations, sufficient time is not available to formally solicit quotes for the repair work. In these situations, repair contracts that allow for more immediate responses by outside contractors are necessary. The proposed contracts will establish on-call contracts structured to enable an expedited response to maintenance issues.

The contract is structured around either a delayed or immediate response to a repair request by DWM. The delayed response line item is used when sufficient time exists to evaluate the

proposed repair in detail and agree on the scope before work begins. An immediate response is only used when the required repair is urgent and must be addressed before a scope of work can be established.

This is the third rendition of unscheduled pipeline repair contracts proposed by DWM. The previous contracts were used a combined ten (10) times since their inception in 2016. Among the projects the contracts were utilized include:

- Main Street Waterline Replacement
- Morreene Road Sewer Replacement
- Abandonment of 20" water transmission main in Hoover Road between Ashe Street and Pettigrew Street
- Replacement of the Stagecoach force main adjacent to the South Durham Water Reclamation Facility

Stormwater funds are also included in this project to address anticipated stormwater needs.

The award of two contracts is proposed to ensure that at least one contractor is available to respond swiftly to an urgent repair. The contractors recommended for award may be required for immediate assistance. In today's economic climate, contractor availability is limited. Awarding this contract to multiple contractors increases options available to the City when environmental health and safety issues emerge.

Issues and Analysis

Below is a summary of the bids received on January 17, 2019. All bids were analyzed and deemed responsive.

Contractor	Bid Amount	Contract Amount
Carolina Civilworks Inc.	\$642,492.50	\$670,492.50*
J.F. Wilkerson Contracting Company, Inc.	\$695,615.00	\$696,695.00*
Pipeline Utilities, Inc.	\$1,164,228.00	-----

*Minor math correction made to bid calculation

DWM proposes the use of two contractors for this contract to ensure contractor availability for potential emergency repairs.

DWM recommends awarding an Unscheduled Pipeline Repair Contract to both Carolina Civilworks Inc. and J.F. Wilkerson Contracting Company, Inc.

Alternatives

Alternative 1 - Do not move forward with the unscheduled repair contracts. This alternative will leave the City with no reliable alternative to address large or difficult pipeline repairs; and may result in slower response times and extended repair times.

Alternative 2 – Award only one contract to the lowest responsible, responsive bidder. This alternative would limit the City's options to the availability of only one contractor's utility crews when an urgent repair is needed. If the selected contractor's crews are unavailable, a potentially urgent repair could be significantly delayed, resulting in significant additional risk to environmental health and safety.

Financial Impact

Funds for this project were approved in the Capital Improvements Program Sewer Collection System Rehabilitation, Water Distribution System Rehabilitation, and Stormwater Capital Improvements Program.

There are currently funds available for this project in:

- 4100P002-731000-P0BU1, \$335,246.25
- 4100P002-731900-P0BU1, \$34,753.75
- 4100P002-731000-P28U1, \$283,658.68
- 4100P002-731900-P28U1, \$29,594.75
- 4300L045-731000-LK107, \$51,587.56
- 4300L045-731900-LK107, \$5,159.00

- 4100P002-731000-P0BU2, \$348,347.50
- 4100P002-731900-P0BU2, \$36,652.50
- 4100P002-731000-P28U2, \$348,347.50
- 4100P002-731900-P28U2, \$36,652.50

Equal Business Opportunity Summary
EBOP SUMMARY:

A. Carolina Civilworks Inc.

The Equal Opportunity/Equity Assurance Department reviewed the bid submitted by Carolina Civilworks of Raleigh, NC to determine if they are in compliance with Ordinance to Promote Equal Business Opportunities in City Contracting. The goals for this project are **MUBE** 11% and **WUBE** 7%. Although, Carolina Civilworks did not meet goals, it was determined they demonstrated Good Faith Effort and is in compliance with the Ordinance to promote Equal Business Opportunities in City Contracting.

UBE REQUIREMENTS

Firm	ID	City/State	Amount	% of Contract
Fred Adams Paving	WUBE	Morrisville, NC	\$5,100.00	.8%

WORKFORCE STATISTICS

Total Workforce:

Employment Category	Total Employees	Total Males	Total Females
Project Manager	5	5	0
Professional	4	4	0
Technical	0	0	0
Clerical	2	0	2
Labor	14	14	0
Total	25	23	2

Male:

Employment Category	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager	5	0	0	0	0
Professional	4	0	0	0	0
Technical	0	0	0	0	0
Clerical	0	0	0	0	0
Labor	9	0	5	0	0
Total	18	0	5	0	0

Female:

Employment Category	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager	0	0	0	0	0
Professional	0	0	0	0	0
Technical	0	0	0	0	0
Clerical	2	0	0	0	0
Labor	0	0	0	0	0
Total	2	0	0	0	0