



**Date:** December 6, 2021

**To:** Wanda S. Page, City Manager  
**Through:** Bertha T. Johnson, Deputy City Manager  
**From:** Donald F. Greeley, Director, Water Management  
**Subject:** Construction Contract Award to Carolina Civilworks Inc. for the 2021 Water and Sewer Point Repair Project

**Executive Summary**

The Department of Water Management (DWM) opened bids on October 14<sup>th</sup>, 2021 for the 2021 Water and Sewer Point Repair project. Historically, DWM point repair contracts were for sewer rehabilitation and repair only. This point repair project has been expanded to include point repairs to the City’s existing water distribution system in addition to the sewer collection system. This contract will support the DWM’s Valve Auditing Program and Meter Testing Program contracts for rehabilitation in the existing water distribution system. It will also support the cured-in-place pipe (CIPP) and manhole rehabilitation programs for rehabilitation in the existing sewer collection system. DWM anticipates that this contract will run for 2 years.

DWM recommends the contract be awarded to Carolina Civilworks Inc., the lowest responsive and responsible bidder.

**Motion**

To authorize the City Manager to execute a contract with Carolina Civilworks Inc. for the 2021 Water and Sewer Repair Project in the amount of \$5,477,414;

To establish a contingency fund for the contract in the amount of \$547,000; and

To authorize the City Manager to negotiate and execute change orders for the contract provided that the total contract cost does not exceed \$6,024,414.

**Background**

Repairing known defects within the City’s sanitary sewer collection system is integral in maintaining compliance with the City’s sewer collection permit. Through the use of closed circuit television (CCTV) inspections, maintenance records, and sewer system evaluations, DWM staff identifies sewer pipelines that require partial or full length pipeline replacement in addition to manholes that require repairs or complete replacement due to deterioration or failure. The deterioration of these sewer mains and manholes can be attributed to several factors including inflow and infiltration, root intrusion, age, corrosion, and ground settlement. The 2021 Water and Sewer Repair Contract will address these deficiencies on a find-and-repair basis. Additionally, this contract will also support upcoming CIPP and manhole rehabilitation contracts by making any necessary repairs that are needed to facilitate the proposed rehabilitation.

Under a separate future agenda item, DWM will be requesting approval of a Valve Auditing and Exercising contract with Hydromax USA, LLC to exercise both potable water and raw water transmission valves. The project will note any valves in need of repair or replacement. The 2021 Water and Sewer Point Repair contract will support this contract by completing any rehabilitation or replacement activities that are identified. The point repair contract will also support an upcoming meter inspection and testing contract. The meter inspection contract will note any meters in need of repair or replacement. The 2021 Water and Sewer Point Repair contract will complete the rehabilitation and replacement work that the meter inspection contract identifies.

**Issues and Analysis**

The DWM formally advertised the project for bid on August 31, 2021. The project was bid as a unit price contract. Two bids were received on September 30, 2021. A minimum of three (3) bids are required to open bids so the project was re-advertised. A single bid was received on October 14, 2021. The bid results are:

<b>Contractor</b>	<b>Total Bid</b>
Carolina Civilworks Inc.	\$5,477,414

Despite the fact that a single bid was received, DWM recommends contract award to Carolina Civilworks Inc. as the lowest responsive and responsible bidder because the bid price is within the engineer’s estimate.

**Alternatives**

Alternative 1 - Do not go forward with the project. The sewer mains, manholes, water valves and water meters set to be repaired or replaced have some type of defect that warrants attention. By not going forward with the project all these defects remain and the City risks a failure in the system and non-compliance with the Sewer Collection Permit or a failure in the water distribution system.

Alternative 2 - Complete the repairs with the City’s Water/Sewer Maintenance Division (WSM) staff. Many of the sewer mains, manholes, water valves and water meters set to be replaced need to be addressed in a timely manner in order to support other contracts being administered by the City. WSM staff does not have the resources or availability to address all the necessary repairs. Additionally, many of the items needing repair will require the assistance of an outside contractor because WSM does not have the equipment to address the size or complexity of the repair. This approach could result in a failure in the sewer collection system and non-compliance with the Sewer Collection Permit or a failure in the water distribution system.

**Financial Impact**

DWM’s Collection System Rehabilitation CIP budgeted \$4,000,000 in FY 22 for sewer point repairs. DWM’s Water System Rehabilitation CIP budgeted \$800,000 in both FY 22 and FY 23 for valve and meter repairs, for a total of \$1,600,000 available for the term of this contract. In total, there is \$5,600,000 of available project funding for this project programmed in the Water & Sewer CIP. Funds are available in the following accounts:

<b>Organization Code</b>	<b>Object Code</b>	<b>Project Code</b>	<b>Amount</b>
4100P002	731000	PSS22	\$3,960,564
4100P002	731000	POCE1	\$1,516,850
4100P002	731900	PSS22	\$396,000

4100P002	731900	POCE1	\$151,000
<b>TOTAL PROJECT AMOUNT</b>			<b>\$6,024,414</b>

**Equal Business Opportunity Summary**

The Equity & Inclusion Department reviewed the bid submitted by Carolina Civilworks Inc. of Raleigh, NC to determine if they are in compliance with Ordinance to Promote Equal Business Opportunities in City Contracting. The goal for this project was WUBE 7%. Although, Carolina Civilworks did not meet the assigned goal, it was determined they demonstrated Good Faith Efforts and is in compliance with the Ordinance to promote Equal Business Opportunities in City Contracting.

**UBE REQUIREMENTS**

Carolina Civilworks will utilize the following certified firm:

Firm	ID	City/State	Amount	% of Contract
Boone Masonry, Inc.	WUBE	Graham, NC	\$5,000.00	0.1%

**Contractor Workforce Diversity & Hiring Practices**

According to the contractor’s responses to the “Contractor Workforce Diversity Questionnaire” the contractor is a medium employer (approximately 85 employees) consisting mostly of unskilled workers and laborers. The contractor believes it has a diverse workforce and provided the following response: “As seen in our employee diversity breakdown we have both men and women on staff and multiple races in various roles throughout the Company. We encourage involvement in the community by having volunteer workdays for local charities. Also, we have a yearly Family Day where all staff can mingle and socialize with others that may be of a different background or race.” The contractor did list a few examples of the efforts it makes to have a more diverse workforce.

**Attachments**

1. Compliance Report
2. Contractor Workforce Diversity Summary
3. Low Bid Documents
4. Bid Tab and Detailed Bid Summary
5. Contract Agreement