



Date: October 6, 2015

To: Thomas J. Bonfield - City Manager
Through: W. Bowman Ferguson - Deputy City Manager
From: Marvin G. Williams – Director of Public Works
Subject: Contract SD-2015-01, East Main Street Culvert Stabilization

Executive Summary

On August 27, 2015 bids were opened for Contract SD-2015-01. The project includes the furnishing of all materials, labor, equipment, tools, etc. unless otherwise specified, for the complete stabilization of the East Main Street culvert by means of void filling and soil stabilization using a high density polyurethane system. One responsive bid was submitted by Uretek ICR Mid-Atlantic, Inc. of Colfax, North Carolina. The Public Works Department recommends that the City Council authorize the City Manager to execute a contract with Uretek ICR Mid-Atlantic, Inc., for Contract SD-2015-01 in the amount of \$431,150.00 with a contingency of \$64,672.50 (15%). This results in a total amount of \$495,822.50.

Recommendation

To authorize the City Manager to execute contract SD-2015-01, East Main Street Culvert Stabilization, with Uretek ICR Mid-Atlantic, Inc. in the amount of \$431,150.00;

To establish a contingency fund in the amount of \$64,672.50; and

To authorize the City Manager to negotiate change orders for contract SD-2015-01 provided that the total project cost does not exceed \$495,822.50.

Background

In December of 2014, the Public Works Department was alerted to a sink hole that had formed next to a 6-foot by 6-foot concrete box culvert located within the East Main Street right-of-way between Maple and Cherry Grove Streets. The culvert conveys a tributary of Ellerbe Creek beneath East Main Street. Staff investigated and determined that the floor of the box culvert had been compromised causing the formation of the sink hole. The floor of the culvert had deteriorated and allowed stormwater to undermine a section of the culvert, causing scour, and leading to the reported sink hole. A short term repair was performed to allow time for staff to evaluate options for a permanent solution.

There are two options identified for stabilizing the culvert in the long term, full replacement and stabilization via injected grout or polyurethane. Staff explored these options and determined that polyurethane stabilization was the most cost effective solution. The time needed for design, permitting, and construction is significantly less for stabilization (3-months) rather than full

replacement (22-months). Stabilization also allows East Main Street to remain open during construction. The polyurethane stabilization method provides a longer lifespan and greater strength than traditional grouting.

Issues and Analysis

The following is a summary of bids received:

Uretek ICR Mid-Atlantic, Inc.: \$431,150

Although only one bid was received, the project was not required to be re-bid as the estimated expenditures are less than \$500,000. Also, it is unlikely a re-bid would have a different result as the bidder owns proprietary technology that best meets the City’s specifications and requirements. The sole bid is less than the opinion of probable cost prepared by the engineer of \$446,163.

The Public Works Department recommends awarding Contract SD-2015-01 to Uretek ICR Mid-Atlantic, Inc. in the amount of \$431,150.

Alternatives

The Department of Public Works has not identified any alternatives since the bid received is competitive and is consistent with the opinion of probable cost prepared by staff.

Financial Impact

This project is budgeted for in the adopted Capital Improvements Project Ordinance (#14780) for storm drainage repairs in the following accounts.

4300L045-731000-LK107 (Construction in Progress): \$431,150.00
 4300L045-731900-LK107 (Contract Contingencies): \$64,672.50

SDBE Summary

The Equal Opportunity/Equity Assurance Department reviewed the bid submitted by Uretek ICR Mid-Atlantic, Inc. of Colfax, North Carolina and have determined that they are in compliance with the Ordinance to Promote Equal Business Opportunities in City contracting.

SDBE Requirements

Firm	ID	City/State	Amount	% of Contract
U & R Lawn Service, dba Arborex Tree Service	MSDBE (NCDOT)	Knightdale NC	\$5,000	1.16%
Austin Trucking	MSDBE (NCDOT)	Clayton NC	\$2,100	0.49%
Certified Concrete Construction	SDBE	Raleigh NC	\$2,280	0.53%
Stay Alert Safety	WSDBE	Kernersville NC	\$5,735	1.33%

The goals for this project were: 2% MSDBE and 1% WSDBE. Uretek ICR Mid-Atlantic, Inc. met the goals for this project.

Workforce Statistics

The workforce statistics for Urettek ICR Mid-Atlantic, Inc. are as follows:

Total Workforce	32	
Total Females	7	22%
Total Males	25	78%
Black Males	4	13%
White Males	20	62%
Other Males	1	3%
Black Females	0	0%
White Females	7	22%
Other Females	0	0%

Bidder Safety Record Review Summary

Staff has reviewed the bid submitted by Urettek ICR Mid-Atlantic, Inc. and has determined that they are in compliance with the Policy for Bidder Safety Record Review.

Attachment

- Vicinity Map