



Date: November 17, 2015

TO: Thomas J. Bonfield, City Manager
THROUGH: W. Bowman Ferguson, Deputy City Manager
FROM: Donald F. Greeley, Director, Water Management

SUBJECT: CONTRACT AWARD TO JF WILKERSON CONTRACTING CO., INC. FOR CONTRACT SR-63 WILSON STREET AND ELLERBEE CREEK SEWER OUTFALL REPLACEMENT PROJECT

Executive Summary:

The Department of Water Management (DWM) performs the maintenance for the City’s sanitary sewer system. Portions of the system run through private, residential property where homes have encroached into the City’s easement and, in some cases, make access to the sewer mains and manholes difficult for staff and equipment.

This project involves relocating approximately 2,300 feet of sewer main to City right-of-way and replacing approximately 350 feet within existing easement. Due to the age and condition of the water mains within the same right-of-way, approximately 1,900 feet of water mains will also be replaced. The project location is shown in Attachment 1.

On September 30th, 2015 bids were opened for Contract SR-63 Wilson Street and Ellerbee Creek Sewer Outfall Replacement Project. Two bids were received and deemed responsive. The Department recommends award of contract to J F Wilkerson Contracting Co., Inc., of Morrisville, NC in the amount of \$1,638,848.00.

Recommendations:

The Department of Water Management recommends that the City Council:

1. Authorize the City Manager to execute a contract with J F Wilkerson Contracting Co. Inc. for construction services for Contract SR-63 Wilson Street and Ellerbee Creek Sewer Outfall Replacement Project in the amount of \$1,638,848.00; and
2. Establish a contingency fund for the contract in the amount not to exceed \$164,152.00; and
3. Authorize the City Manager to negotiate change orders for the contract provided that the total cost of the project, including all change orders, does not exceed \$1,803,000.00.

Background:

From recent annual inspections, maintenance records and previously contracted sanitary sewer evaluations, DWM staff identified several repairs needed for sewer mains running from Wilson Street to the Ellerbee Creek Sanitary Sewer outfall, just west of Carolina Avenue. The project area is shown in Attachment 1.

DWM contracted the services of AECOM Engineering Firm to evaluate and determine the best options for repairs, replacement, and/or relocation of the sanitary sewer outfall. The study indicated repairs would be difficult due to the depths of excavation, proximity of obstructions on residential properties, and the location of an adjacent creek.

The optimal option was deemed to be one that relocates the sewer main into existing right-of-way along Carolina Avenue. This option, once constructed, will greatly improve access for future maintenance activities, as well as reduce disruptions to residents and lower risk of private property damage from sewer repair or maintenance work.

The water mains in the project area are made of cast iron pipe installed in the 1920's. The hydraulic capacity of many of these mains has reduced over the years. In order to minimize future disruptions from water main repairs or an overall water main replacement project, it is deemed best to replace the water mains in this project while construction occurs for the sewer main relocation.

The project includes relocating/replacing approximately 2,600 feet (combined) of sanitary sewer mains, installing 11 new manholes, and replacing roughly 1,900 feet of water mains and appurtenances. Once the sewer and water mains are in service, the old mains will be abandoned and impacted streets will be given a new 8-inch base and asphalt overlay (curb-to-curb).

Issues and Analysis:

The original bid opening date was on September 15th, 2015. However, there were only two bids submitted. Seeking to increase the number of bidders for the project, staff contacted known contractors in our area who previously had bid on similar projects and requested that they consider bidding. The project was then re-advertised and the bid opening was conducted on September 30th, 2015, again resulting in receiving only two bids.

Below is a summary of the bids received on September 30th, 2015. Each bid was analyzed and deemed responsive.

Contractor	Bid
J F Wilkerson Contracting Co. Inc.	\$ 1,638,848.00
TA Loving Company Construction Services	\$3,429,060.00

The Department of Water Management recommends awarding Contract SR-63 to with J F Wilkerson Contracting Co. Inc. the lower responsive bidder, in the amount not to exceed \$ 1,638,848.00.

Alternatives:

Much of the sewer pipelines and manholes in the Wilson St. to Ellerbee Creek Outfall have been identified as being in poor condition and need of replacing. The alternatives identified are 1) to repair pipelines utilizing city crews only; or 2) to not move forward with the project.

Alternative #1 is difficult because of the limited availability of the Water Sewer Maintenance Division due to their regular scheduled duties and emergency calls. Selecting to not perform the work as stated in Alternative #2 may lead to structural failure in the sewer outfalls possibly causing sanitary sewer overflows (SSOs), and private property and environmental damage. Alternative #2 may put

the City in violation of its sewer collection permit and potentially the City could receive Notices of Violation (NOVs) and potential fines by the State.

Financial Impacts:

Funds for this project were approved in the Capital Improvements Program Sewer Collection System Rehabilitation.

There are currently funds available for this project from 4100P002-731000-P28AK (\$1,033,579.00), 4100P002-731000-POBZA (\$605,269.00), 4100P002-731900-P28AK (\$164,152.00).

SDBE SUMMARY:

The Equal Opportunity/Equity Assurance Department reviewed the bid submitted by JF Wilkerson Contracting Co., Inc. Morrisville, NC and have determined that they are in compliance with the Ordinance to Promote Equal Business Opportunities in City contracting. The goals for this project were: 5% M/SDBE and 3 % W/SDBE. JF Wilkerson Contracting Co., Inc. , Morrisville, NC attained goals of 5.2% and .4% respectively for MSDBE and WSDBE. While JF Wilkerson did not meet the WSDBE goals, they demonstrated Good Faith Effort to do so. They exceeded the MSDBE goals

SDBE REQUIREMENTS:

JF Wilkerson Contracting Co., Inc. will subcontract to the following certified firms:

Firm	ID	City/State	Amount	% of Contract
Autry Construction	MSDBE	Zebulon, NC	\$ 75,000	4.6 %
Covenant Trucking	MSDBE	Youngsville NC	\$ 10,000	.6%
Cooper and Associates	WSDBE	Morrisville, NC	\$ 6,250	.4%

WORKFORCE STATISTICS

Workforce statistics for JF Wilkerson Contracting, Co., Inc. of Morrisville, NC are as follows:

Total Workforce	51	
Total Females	2	4%
Total Males	49	96%
Black Males	7	14%
White Males	16	31%
Other Males	26	51%
Black Females	0	0%
White Females	2	4%
Other Females	0	0%