



Date: October 7, 2014

To: Thomas J. Bonfield, City Manager
Through: W. Bowman Ferguson, Deputy City Manager
From: Donald F. Greeley, Director, Water Management
Subject: Durham Central Park Waterline Replacement Project - Contract Award to CDM Smith, Inc.

Executive Summary

The Department issued a Request for Qualifications (RFQ) for Professional Engineering Services for surveying, design, permitting, bidding, and construction observation and administration services for the rehabilitation and replacement of waterlines and sanitary sewer lines within Durham Central Park area. The project area is shown on the attached map. The Department received 7 responses to the RFQ. The engineering firm CDM Smith, Inc. was selected and a scope of services for the survey, design, permitting, and bidding portion of the project has been negotiated in the amount of \$1,446,350.00. The biddable documents prepared by the engineer will then be used to prepare a construction observation and administration amendment to this contract with CDM Smith, Inc.

Recommendation

The Department of Water Management recommends that the City Council:

1. Authorize the City Manager to execute a contract with CDM Smith, Inc. for Professional Engineering Services in an amount not to exceed \$1,446,350.00 for the Durham Central Park Waterline Replacement Contract and
2. Establish a contingency fund for the contract in an amount not to exceed \$144,000.00; and
3. Authorize the City Manager to negotiate change orders for the contract provided that the total project cost does not exceed \$1,590,350.00.

Background

The Department of Water Management is responsible for the maintenance of existing water distribution infrastructure within the downtown area of Durham. A significant portion of this infrastructure is very old, and has been in service beyond its recommended service life. As these water mains have reached the end of their service life, they require increased maintenance and are significantly more likely to break or leak. In recent years, the Central Park area has experienced a great deal of redevelopment, creating a further need to replace the existing waterlines.

The area of downtown addressed by this project is the area known as Durham Central Park, bounded to the north by W. Corporation Street, to the south by W. Morgan Street, to the east by N. Mangum Street, and to the west by Liggett Street and Morris Street as shown in the attached map.

The proposed project will determine the location of existing utilities, prepare design plans and specifications for the replacement of approximately 17,000 LF of waterlines and 2,200 LF of sanitary sewer lines, obtain permits for construction, and provide bidding services, public notification, and construction related services. Construction services, including community outreach, will be added to this contract as an amendment following the engineer's completion of the biddable documents. On a linear foot basis, the contract negotiated between the Department and CDM Smith for the completion of the work described above is slightly less than that of the Downtown Loop project which was similar in scope. The anticipated construction cost of these improvements is approximately \$9,000,000.

Issues and Analysis

In November 2013, the Department of Water Management advertised for a Request for Qualifications (RFQ). Seven firms responded to the RFQ:

A. Morton Thomas and Associates, Inc.
CDM Smith, Inc.
Dewberry Engineers Inc.
GHD Consulting Services, Inc.
Kimley-Horn and Associates, Inc
The John R. McAdams Company, Incorporated
Rummel, Klepper & Kahl, L.L.P.

Three firms were short listed to present their proposals to the selection committee. The selection committee was comprised of staff from the department and the Equal Opportunity/Equity Assurance Department. Based on their proposal and experience the committee selected the firm of CDM Smith, Inc. for the project.

Alternatives

Alternative #1 - Do not move forward with the contract and prepare all design plans in-house. Department staff does not have the resources or availability to survey and prepare design plans for a project of this magnitude. This alternative would result in delayed construction and could potentially result in a failure to satisfy the redevelopment needs in the Central Park area.

Alternative #2 – Do not move forward with the project. This alternative would result in a significant increase in the number of waterline breaks in the near future, resulting in increased maintenance costs and traffic disruptions.

Financial Impact

The immediate cost to the City for the contract with CDM Smith, Inc. is \$1,446,350.00. The funds are currently available in 4100P762-731004-POBZ4 and 4100P767-731004-POBZ4 (sewer work only) and in the contingency fund 4100P762-731900-POBZ4.

SDBE Summary

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by CDM Smith, Inc. of Raleigh, North Carolina to determine compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting. The goals for this project are 3% MSDBE and 4% WSDBE. The MSDBE goal was not met at this time due to a change in scope during negotiations between CDM Smith, Inc., and the Department of Water Management.

SDBE REQUIREMENTS

CDM Smith, Inc. will subcontract to the following certified firms:

Firm	ID	City/State	Amount	% of Contract
Rohadfox Construction				
Control Services Corp.	MSDBE	Atlanta, GA	\$ 5,000.00	0.3%
CH Engineering, PLLC	WSDBE	Raleigh, NC	\$ 289,270.00	20%

The WSDBE goal was exceeded.

WORKFORCE STATISTICS

Workforce statistics for CDM Smith, Inc. are as follows:

Total Workforce	68	
Total Females	18	(26%)
Total Males	50	(74%)
Black Males	2	(3%)
White Males	39	(58%)
Other Males	9	(13%)
Black Females	1	(1%)
White Females	16	(24%)
Other Females	1	(1%)