



Date: May 22, 2012

To: Thomas J. Bonfield, City Manager

Through: Theodore L. Voorhees, Deputy City Manager

From: Donald F. Greeley, Director, Water Management
Jerry Morrone, Engineering Supervisor, Water Management

Subject: Downtown Loop Waterline Replacement and Water Meter Upgrades Contract – Kimley-Horn and Associates, Inc

Executive Summary

The Department issued a Request for Qualifications (RFQ) for Professional Engineering Services for pre-design, design, permitting, bidding, and construction administration and construction observation services for the rehabilitation and replacement of water lines within the Downtown Loop. The Department received 8 responses to the RFQ. The engineering firm Kimley Horn and Associates, Inc was selected and a scope of services has been negotiated in the amount of \$1,437,167.00.

Recommendation

The Department of Water Management recommends that the City Council:

1. Authorize the City Manager to execute a contract with Kimley-Horn and Associates, Inc in an amount not to exceed \$1,437,167.00 for the Downtown Loop Waterline Replacement and Water Meter Upgrades Contract and
2. Establish a contingency fund for the contract in an amount not to exceed \$140,000.00; and
3. Authorize the City Manager to negotiate change orders for the contract provided that the total project cost does not exceed \$1,577,167.00.

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 nearing the end of its service life at the same time the roads they are buried in are planned for streetscaping, resurfacing, and realignment. The area of downtown addressed by this project is the area inside the Downtown Loop south of Morgan Street north of Ramseur Street.

Some water lines within the Downtown Loop were replaced when the Chapel Hill Street and Main Street streetscape project was completed; however, many were not and they are included in this project. This project will determine the location of existing utilities, survey topographic and utility features, prepare design plans, specifications, and permitting for the replacement of the water lines, and oversee the construction contractor to verify the plans and specifications are followed.

Issues and Analysis

Eight firms responded to the RFQ:

A. Morton Thomas and Associates, Inc
Hazen and Sawyer, PC
Highfill Infrastructure Engineering, PC
Hydrostructures, PA
Kimley-Horn and Associates, Inc
McKim and Creed, PA
Stantec Consulting Services, Inc
WSP SELLS, PC

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 Kimley-Horn and Associates, Inc for the project.

The breakdown of the design fee is:

Design:	\$ 378,800	26%
Traffic/Pedestrian CP:	81,800	6%
Public Relations:	74,000	5%
SUE/Geotech/Survey: (\$168,040+\$82,415+\$230,200)	480,727	34%
Construction Admin:	203,700	14%
Construction Observation:	218,940	15%
Total Cost: \$1,437,167 (18.5% of estimated construction cost)		
Contingency \$140,000		

Alternatives

Alternative #1 - Do not move forward with the project and prepare all design plans in-house. Department staff does not have the resources or availability to survey, prepare design plans, permit, and bid documents for a project of this magnitude. This alternative would likely result in a significant delays to planned projects involving streetscaping, resurfacing, and realignment. Some of the lines in poor conditions could leak in the near future, resulting in increased maintenance costs and traffic disruptions.

Financial Impact

The immediate cost to the City for the contract with Kimley-Horn and Associates, Inc is \$1,437,167.00. The funds are currently available in 4100P762-732003-POBA6 and in the contingency fund 4100P762-731900-POBA6.

The estimated cost for construction is approximately \$7.77 million, and funding for the project is programmed to come from the Water Distribution System Rehabilitation Account in the CIP.

SDBE Summary

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by Kimley-Horn and Associates, Inc. of Cary, North Carolina to determine compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting. The goals for this

project are MSDBE 5% and WSDBE 4%. It was determined that Kimley-Horn and Associates, Inc, is in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

SDBE REQUIREMENTS

Kimley-Horn and Associates, Inc. will subcontract to the following certified firms:

Firm	ID	City/State	Amount	% of Contract
Monarch Services	MSDBE	Durham, NC	\$168,696	11.7%
Cooper and Associates Surveyors, PA	WSDBE	Morrisville, NC	\$150,000	10.4%

The MSDBE and WSDBE goals were exceeded.

WORKFORCE STATISTICS

Workforce statistics for Kimley-Horn and Associates, Inc. are as follows:
(Consolidated)

Total Workforce	1571	
Total Females	484	(31%)
Total Males	1087	(69%)
Black Males	19	(1%)
White Males	942	(60%)
Other Males	126	(8%)
Black Females	17	(1%)
White Females	410	(26%)
Other Females	57	(4%)