



Date: April 3, 2012

To: Thomas J. Bonfield, City Manager
Through: Theodore L. Voorhees, Deputy City Manager
From: Marvin G. Williams, Director of Public Works
Subject: Geotechnical Investigations and Construction Specifications RFQ

Executive Summary

On November 22, 2011, a Request for Qualifications (RFQ) was issued to provide geotechnical exploration and testing services for water and sewer installation, and for updating the City construction specifications and standard details for water, sewer, and street construction. Proposals were provided on December 30, 2011 by three (3) professional engineering firms.

Proposal presentations were made by Coulter Jewell Thames, Appian Consulting Engineers, and ESC Carolinas on January 23, 2012. On January 26, 2012, the selection committee completed the rankings and rated Appian Consulting Engineers, PA the highest and they were subsequently selected for negotiations to provide the requested services. A meeting was conducted with Appian Consulting Engineers, PA on January 31, 2012 in which the requirements for the proposed service contract were discussed in detail. Further negotiations resulted in an amount not to exceed \$392,180.00.

Recommendation

The Administration recommends that the City Council authorize the City Manager to execute a contract for the Geotechnical Exploration and Construction Specification RFQ with Appian Consulting Engineers, PA of Rocky Mount, North Carolina, in the amount not to exceed \$392,180.00.

Background

The City has Water and Sewer petition projects scheduled for design that will significantly benefit from geotechnical investigation to determine the subsurface properties in the project limits. These results will be used in not only designing the projects, but also in conversations with NCDOT about active shoring requirements. As an additional benefit, they will also aid in preparing construction cost estimates that reflect the amount of rock that will be encountered. The City does not have the personnel available to perform these investigations. The second element to the scope of services is a comprehensive update of the construction specifications and standard details for Water, Sewer and Street construction. The current specifications were last updated in 1991 and are significantly out-of-date. The third element in the scope of services will be the development of a computer application that will provide staff and consultants a more efficient way to create bid documents and project manuals for construction projects.

The contract with Appian Consulting Engineers, PA will provide a means to perform the geotechnical investigations, update the construction specifications, and build the application for the creation of bid documents and project manuals.

Issues/Analysis

The following is a summary of the negotiated cost estimates for the major task elements and the project deliverables.

Task 1 – Geotechnical Investigations	\$ 40,000.00
Task 2 – Standard Specifications & Details	\$ 225,524.00
Task 3 – Database Application	<u>\$ 126,656.00</u>
Not to Exceed	\$ 392,180.00

The Public Works Department recommends awarding a contract for Geotechnical Investigation and Construction Specifications to Appian Consulting Engineers, PA in the amount of \$ 392,180.00

Alternatives

The Department of Public Works has not identified any alternatives since the not to exceed negotiated price is considered fair and reasonable. Sufficient staffing does not exist to provide the level of expertise to perform the required investigations and specification updates. The information obtained will allow the City to prepare future water, sewer, and street contracts that more accurately reflect the existing conditions and allow for better management of the allocated funds.

Financial Impact

Funds for this project are budgeted for in the following accounts:

Water Extensions & Improvements Fund	
4100P007-725000-P0A42	\$196,090.00
Sewer Extensions & Improvements Fund	
4100P767-725000-P2642	\$196,090.00

SDBE SUMMARY

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by Appian Consulting Engineers, PA to determine compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting. It was determined that Appian Consulting Engineers, PA is in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

SDBE REQUIREMENTS

No MSDBE or WSDBE goals were set.

Appian Consulting Engineers, PA of Rocky Mount, North Carolina will subcontract to the following certified firms:

Firm	ID	City/State	Amount	% of Contract
Capstone Civil Group, PA	MSDBE	Charlotte, NC	\$40,000	10.2%

WORKFORCE STATISTICS

Workforce statistics for Appian Consulting Engineers, PA are as follows:

Total Workforce	6	
Total Females	1	(17%)
Total Males	5	(83%)
Black Males	0	(0%)
White Males	5	(83%)
Other Males	0	(0%)
Black Females	0	(0%)
White Females	1	(17%)
Other Females	0	(0%)