



**Date:** May 22, 2018

**To:** Thomas J. Bonfield, City Manager  
**Through:** W. Bowman Ferguson, Deputy City Manager  
**From:** Marvin G. Williams, Director of Public Works  
**Subject:** Contract ST-288A, Bridge Engineering Services for City-Maintained Structures

### **Executive Summary**

On February 1, 2018, the Department of Public Works issued a Request for Qualifications (RFQ) for engineering firms to provide professional engineering services for the repair of City-maintained bridge structures. Letters of qualification were received on March 9, 2018, from five professional engineering firms. A selection committee reviewed all submittals. The selection committee recommended that a contract be awarded to Gannett Fleming, Inc. of Raleigh, North Carolina for engineering services.

### **Recommendation**

The Administration recommends that the City Council authorize the City Manager to execute a professional services contract for ST-288A, Bridge Engineering Services for City-Maintained Structures, with Gannett Fleming, Inc. in the amount not to exceed \$225,000.00; establish a contingency fund in the amount of \$22,500.00 (10%); and authorize the City Manager to execute any change orders to the contract such that the total contract cost does not exceed \$247,500.00.

### **Background**

The Public Works Department is responsible for implementing repair and maintenance tasks generated by the federally-mandated National Bridge Inspection Standards (NBIS) program. The NBIS program is a biennial review of highway bridges for safety and serviceability considerations. The results from the 2016 NBIS inspections yielded necessary repairs to six city bridges. These repairs are considered routine maintenance necessary to preserve the integrity of the structures and are not safety issues. The types of work being designed include guardrail repair, spalling concrete patching and rust repairs. The consultant will develop design plans to address these six bridges and also develop a demolition plan for the out-of-service bridge along Maryland Avenue over Ellerbee Creek. Additionally, this contract will provide the ability to respond expediently to address any safety related items that may be identified by the upcoming 2018 bridge inspections report.

### **Issues and Analysis**

The Public Works Department does not have the necessary staff expertise to prepare the design plans that these repairs will require. This contract will provide a consultant to perform the engineering work on the Department's behalf.

### **Alternatives**

The City Council may choose to not approve the contract. This alternative is not recommended.

These bridge repairs will address issues which will further deteriorate without repair. City staff does not have the necessary expertise to design them without the assistance of a consultant.

**Financial Impact**

Funds for these professional services are budgeted for in the CIP and are available in the following accounts:

CIP Funds – Const:	3000L010-731002-LE501	\$225,000.00
Contingency:	3000L010-731900-LE501	<u>\$22,500.00</u>
<b>Total:</b>		<b>\$247,500.00</b>

**Equal Business Opportunity Summary**

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by Gannett Fleming, Inc. of Camp Hill, PA and determined that they are in compliance with the Ordinance to Promote Equal Business Opportunities in City of Durham Contracting.

**M/W UBE REQUIREMENTS**

No MUBE or WUBE goals were set.

**WORKFORCE STATISTICS**

**Total Workforce:**

Employment Category	Total Employees	Total Males	Total Females
Project Manager	27	27	0
Professional	58	46	12
Technical	15	15	0
Clerical	4	0	4
Labor	0	0	0
<b>Total</b>	<b>104</b>	<b>88</b>	<b>16</b>

**Male:**

Employment Category	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native

Project Manager	25	1	0	1	0
Professional	44	1	1	0	0
Technical	12	3	0	0	0
Clerical	0	0	0	0	0
Labor	0	0	0	0	0
Total	81	5	1	1	0

**Female:**

<b>Employment Category</b>	<b>White</b>	<b>Black</b>	<b>Hispanic</b>	<b>Asian or Pacific Islander</b>	<b>Indian or Alaskan Native</b>
Project Manager	0	0	0	0	0
Professional	9	1	0	2	0
Technical	0	0	0	0	0
Clerical	1	3	0	0	0
Labor	0	0	0	0	0
Total	10	4	0	2	0