

Mr. Robbie Bald, PE  
Water Resources Department  
City of Greensboro  
2602 S. Elm-Eugene St.  
Greensboro, NC 27406

Subject:

City of Greensboro, NC  
Proposal for Engineering Services  
Airport Lift Station Replacement Sewer – Additional Design Services  
C.O. #2 Amendment to COG Contract No. 2014-077

Arcadis G&M of North Carolina,  
Inc.

1 Centerview Drive  
Suite 208  
Greensboro  
North Carolina 27407  
Tel 336 292 2271  
Fax 336 855 5648  
[www.arcadis.com](http://www.arcadis.com)

WATER DIVISION

Dear Mr. Bald:

The following proposal reflects additional services encountered in the Design Phase of the subject project.

### **Background and Scope**

Several unforeseen factors have influenced the actual effort to complete this design: 1) NCDOT is requiring that a roadway support shoring design be provided with the encroachment agreement application to allow the sewer installation in the Ted Johnson Parkway median, 2) as part of the drawing set to be delivered with the encroachment agreement application NCDOT is requiring a traffic Control Plan be provided on East-bound Bryan Boulevard where guardrail removal is required for the sewer construction, 3) to satisfy FAA requests PTAA required proof that an environmental document related to the Wetland Conservation Easement and other stream buffers would not be needed for the sewer installation, 4) PTAA required security fencing and security on storm grates resulting in additional drawing details and specs, 5) two additional soft digs were needed to locate buried utilities, and 6) Arcadis' additional effort coordinating with the survey subconsultant, including effort to investigate and advise them on corrective work.

### **Responsibilities of the City**

It is our understanding that the City will be responsible for the items noted in our original Final Design and Easement Services proposal dated July 15, 2014.

### **Fee Proposal**

ARCADIS proposes to provide the above additional engineering services according to the terms of the existing On-Call Services agreement on a time and

Date:

March 25, 2016

Contact:

David Hamilton

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336.292.2271

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Our ref:

GRGRN120.D001

ARCADIS G&M of North Carolina, Inc.

NC Engineering License # C-1869  
NC Surveying License # C-1869

materials fee basis with a 3.2 multiplier on direct labor, plus expenses at a 1.0 multiplier, for the maximum estimated fee of \$59,400 as follows:

Service	Fee
Design and Subcontract Management	\$44,000
Survey and Utility Locations (Subcontract)	\$13,200
Shoring Design (Subcontract)	\$2,200
Total	\$59,400

This brings the COG Contract 2014-077 total to \$359,000. The contract maximum fee will not be exceeded without prior authorization by the City.

Reimbursable expenses are described as follows:

1. Mileage and associated travel costs for employees working on the project at current IRS-approved rate per mile. Rental car costs associated with staff traveling to the project site from other offices.
2. Hotel and meal costs associated with overnight stays for staff from other offices being in Greensboro to work directly on the project.
3. Reproduction of project-related materials by outside vendors.
4. Postage and shipping charges associated with the project.
5. Subcontractor expenses at a multiplier of 1.0.

We appreciate the City's consideration of this additional services request. If this proposal meets your approval, please provide a Change Order (#2) to our Contract 2014-077 Supplemental Agreement (SA to our existing Agreement for Professional Services) for execution. Thank you.

Sincerely,

ARCADIS G&M of North Carolina, Inc.



David Hamilton, PE

Project Manager

Copies:

Ms. Melinda King, City of Greensboro

Ms. Virginia Spillman, City of Greensboro