

Request for Board of Commissioners' Action

From: Faye Hughes, County Administrator Date: April 26, 2017

Subject: Engineering Services - Faulkner Item Number: VIII-A

Attached is an invoice from Arrow Engineering & Construction Services for an H & H study (hydrologic and hydraulic) for FEMA storm restoration for water damages on Faulkner Road.

This work has already been performed as required for FEMA reimbursement.

The Chairman will need a motion to approve the invoice and authorize his endorsement on the same.

Motion made by _____

Second made by _____

Any discussion: _____

Votes _____ yes _____ no

Motion carried/ failed

ARROW ENGINEERING & CONSTRUCTION SERVICES, LLC

April 25, 2017
Faye Hughes, Cook County Administrator
1200 S. Hutchinson Avenue
Adel, GA 31620

RE: New Hydrologic and Hydraulic Study for a Culvert located on Faulkner Road in Cook County, GA

Mrs. Hughes:

I am pleased to offer you this proposal for Engineering, Surveying and Design services for the above referenced project. Please see the detailed scope of services below:

<u>Hydrologic and Hydraulic Study</u>	\$2,500.00
Detailed Study of Existing Stream Basin and Culverts at Faulkner Road	
<u>Surveying Services</u>	\$2,500.00
Topographic study of affected area as required to generate plan to submit to the Army Corp of Engineers for Coverage under the Nationwide 3A Permit	
2 Days Field Time Survey Crew	
1 Day Office Time	
<u>Office/Drafting Time for Plan Creation</u>	\$2,160.00
Plan Creation as Required for Nationwide 3A Permit	
2 Days Drafting	
1 Day Professional Engineer	
<u>Construction Management (If Required)</u>	\$1,080.00
3 Field Visits During Construction to Aid Cook County Crews	
In Construction (If requested)	
TOTAL SITE ENGINEERING & SURVEYING PRICE	\$8,240.00

Note: Topographical Survey work and plan creation will be a requirement of this project based on my previous experience and conversations with the Army Corp of Engineers. Construction Management may not be required for this project if the County chooses not to have us help set grades for the installation of the culvert or coordinate/review construction progress with County Crews. In that event, the Revised Total would be \$7,160.00

The above scope of work does not include the following:

- Land Disturbance or other state or local permitting fees
- Environmental Assessments
- Liquidated Damages of any kind
- Design for Items "not" specifically noted in scope above
- Reprographic or Postal Fees

Again, I appreciate the opportunity to provide Engineering & Surveying Pricing for this project and look forward to working with you. If you have any questions or comments with respect to this proposal, please do not hesitate to contact me. Please sign below as acceptance of our scope of work.

Respectfully,



H. Larry Sanders, P.E.
Arrow Engineering & Construction Services
217 N. Ashley St. Suite 211
Valdosta, GA 31601
p229.474.4060



Accepted by:

Owner (Printed Name) _____

Signature _____

Date _____