

**BOARD OF SUPERVISORS  
FINANCE/GOVERNMENT OPERATIONS AND  
ECONOMIC DEVELOPMENT COMMITTEE  
ACTION ITEM**

**SUBJECT:** **CONTRACT RENEWAL/Engineering Services for Stormwater Infrastructure and General Land Surveying**

**ELECTION DISTRICT:** Countywide

**CRITICAL ACTION DATE:** October 11, 2016

**STAFF CONTACTS:** Ernest Brown, General Services  
Steve Plante, General Services  
Christopher Bresley, Finance and Procurement

**PURPOSE:** To renew the contract for Engineering Services for Stormwater Infrastructure and General Land Surveying.

**RECOMMENDATION:** Staff recommends that the Finance/Government Operations and Economic Development Committee (FGOEDC) recommend to the Board of Supervisors that the Purchasing Agent be authorized to renew the contracts for Engineering Services for Stormwater Infrastructure and General Land Surveying with Rice Associates, Inc., Johnson, Mirmiran & Thompson, Inc., and Charles P. Johnson & Associates, Inc. in the estimated amount of \$1,000,000.

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**BACKGROUND:** On December 1, 2014 contracts for Engineering Services for Stormwater Infrastructure and General Land Surveying were awarded under staff authority to: Rice Associates, Inc., Johnson, Mirmiran & Thompson, Inc., and Charles P. Johnson & Associates, Inc. The award of these contracts included four, one year renewal options. Staff is recommending award of the second renewal option. Renewal contract awards are only provided to those contractors with satisfactory performance.

The primary purpose of this contract is to obtain professional engineering and survey services in support of the Loudoun County Stormwater Management Program. As defined in Code of Federal Regulations (40CFR122.26) [Revised as of July 1, 2001], the Federal Clean Water Act requires cities and urbanized counties having populations above 50,000 to develop stormwater management programs and obtain discharge permits for stormwater outfalls. The eastern portion of Loudoun County (i.e., an area of approximately 81 square miles) currently falls under these requirements; however, it is possible over time that all of Loudoun County could be subject to these regulations. In Virginia, the program is managed by the Department of Environmental Quality which issues stormwater discharge permits. These contracts may be used by other county departments that

require professional engineering and survey services that fall within the scope of services of this contract.

**ISSUES:** Staff relies on engineering firms to perform many of the tasks required under the County's Municipal Separate Storm Sewer System (MS4) stormwater discharge permit. If these contracts are not awarded, projects would have to be procured with informal quotes or formal competitive negotiations. This would cause a severe impact on staff resources and possibly add a three-month lead time to many projects covered by this contract. This would negatively impact the County's ability to meet permit deadlines.

**FISCAL IMPACT:** The County estimates spending \$1,000,000 during the contract period (December 1, 2016 – November 30, 2017). Sufficient funding is appropriated in the Storm Water Management capital project and the Department of General Services operating budget to renew this contract. The funding for this contract is approved and included in the adopted FY 2017 Capital Improvement Program. The source of funding is local tax funding.

**ALTERNATIVES:**

1. Recommend to the Board of Supervisors that the Purchasing Agent be authorized to renew the contracts for the Engineering Services for Stormwater Infrastructure and General Land Surveying with Rice Associates, Inc., Johnson, Mirmiran & Thompson, Inc., and Charles P. Johnson & Associates, Inc. in the estimated amount of \$1,000,000.
2. Do not recommend renewal of the contracts and direct staff on how to proceed

**DRAFT MOTIONS:**

1. I move that the Finance/Government Operations and Economic Development Committee recommend to the Board of Supervisors that the Purchasing Agent be authorized to renew the contracts for Engineering Services for Stormwater Infrastructure and General Land Surveying with Rice Associates, Inc., Johnson, Mirmiran & Thompson, Inc., and Charles P. Johnson & Associates, Inc. in the estimated amount of \$1,000,000.

OR

2. I move an alternate motion.

**ATTACHMENT:**

1. *Capital Improvement Program: Storm Water Management. FY 2017 Adopted Budget; page 10-19.*



## Storm Water Management

### Project Description – C00003

As part of its standard operating regimen, the County routinely updates its storm water infrastructure inventory as facilities are added through new development. The County has developed and implemented an overall storm water management program to meet the Environmental Protection Agency's (EPA) Phase II storm water discharge permit requirements that mandate the repair, maintenance, and restoration of County owned storm water infrastructure.

These capital funds support the restoration and management of storm water infrastructure the County identified in the storm water management strategic plan. This project provides funding to meet storm water management programmatic needs, partially restore the older sections of the system, address ongoing growth, and administer the repair and maintenance of the entire system Countywide.

Beginning in FY 2019 and extending over a ten year period, additional funding is required to support the County's State and Federal TMDL (Total Maximum Daily Load) and MS4 (Municipal Separate Storm Sewer System) Chesapeake Bay requirements. The TMDL was issued by the EPA and is a mandate on the bay states. The Phase II Watershed Implementation Plan (WIP) was Virginia's answer to the EPA requirement. The County's Phase II WIP study was completed in 2012. Loudoun's share of the WIP requirement would be \$20 million (2012 dollars) in storm water retrofit projects by 2028. The increase in CIP funding is needed to meet that requirement.



### Funding Plan

This project is funded using local tax funding.

	Prior							6 Year	Future	Project
Capital (\$ in 1000s)	Alloc.	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total	FY's	Total
Land	-	-	-	-	-	-	-	-	-	-
Professional Services	25,850	-	-	-	-	-	-	-	-	25,850
Construction	-	3,500	3,675	5,860	6,150	6,460	6,780	32,425	21,600	54,025
Furniture, Fixtures & Equip	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
<b>Total Cost</b>	<b>25,850</b>	<b>3,500</b>	<b>3,675</b>	<b>5,860</b>	<b>6,150</b>	<b>6,460</b>	<b>6,780</b>	<b>32,425</b>	<b>21,600</b>	<b>79,875</b>
Local Tax Funding	25,350	3,500	3,675	5,860	6,150	6,460	6,780	32,425	21,600	79,375
Fund Balance	500	-	-	-	-	-	-	-	-	500
General Obligation Bonds	-	-	-	-	-	-	-	-	-	-
Lease Revenue Financing	-	-	-	-	-	-	-	-	-	-
Proffers (Cash)	-	-	-	-	-	-	-	-	-	-
Fees	-	-	-	-	-	-	-	-	-	-
Federal Funding	-	-	-	-	-	-	-	-	-	-
<b>Total Financing</b>	<b>25,850</b>	<b>3,500</b>	<b>3,675</b>	<b>5,860</b>	<b>6,150</b>	<b>6,460</b>	<b>6,780</b>	<b>32,425</b>	<b>21,600</b>	<b>79,875</b>
<b>Operating Impact (\$ in 1000s)</b>		<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Total</b>		
O&M		336	349	362	375	388	401	2,211		
Debt Service		-	-	-	-	-	-	-		
<b>Total Impact</b>		<b>336</b>	<b>349</b>	<b>362</b>	<b>375</b>	<b>388</b>	<b>401</b>	<b>2,211</b>		