

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

SUBJECT: **AWARD AUTHORITY INCREASE/On Call
Geotechnical Engineering and Soil Scientists Services**

ELECTION DISTRICT: Countywide

CRITICAL ACTION DATE: January 12, 2016

STAFF CONTACTS: Joe Kroboth, Transportation and Capital Infrastructure
Mark Hoffman, Transportation and Capital Infrastructure
Mike Angel, Finance and Procurement

PURPOSE: To increase the award authority of the On Call Geotechnical Engineering and Soil Scientists Services contracts.

RECOMMENDATIONS: Staff recommends that the Finance/Government Operations and Economic Development Committee (FGOEDC) recommend to the Board of Supervisors (Board) that the Purchasing Agent be authorized to increase the award authority for the On Call Geotechnical Engineering and Soil Scientists Services contracts with GeoConcepts Engineering, Inc., ECS Mid-Atlantic, LLC and Triad Engineering, Inc. by \$1,050,000 for a new estimated amount of \$1,500,000.

BACKGROUND: On August 19, 2015, the County awarded one-year contracts for the On Call Geotechnical Engineering and Soil Scientists Services to ECS Mid-Atlantic, LLC and Triad Engineering, Inc. in the estimated amount of \$450,000 as a result of Request for Proposal No. RFQ-184.

The primary purpose of these contracts is to provide the County with as-needed professional geotechnical engineering and construction testing/inspection services in support of the approved Capital Improvement Program (CIP). However, they are available to support any County geotechnical requirements. Examples of the type of services that may be provided under these contracts:

Geotechnical engineering services that include but are not limited to:

- Feasibility Studies
- Preliminary soils review and classifications, including evaluation of Karst topography

- Review and development of number of borings, location and depth, before commencing geotechnical investigation
- Detailed soils/site investigations to include but not be limited to borings/test pits, soil classification, stratification, and recommended soil bearing capacity
- Determination of ground water levels
- Preparation of reports summarizing findings from investigations, including construction recommendations regarding excavation, fill and backfill, cut and fill and foundation system, pavement, and slab design recommendations
- Development or review of Division 2 specifications (site work), with recommendations to the County
- Review of geotechnical reports prepared by others and certification of acceptance as the Geotechnical Engineer of record
- Additional Geotechnical engineering services as directed

Field Testing services that include but not limited to:

- Soil compaction testing and inspection
- Subgrade stripping and proof rolling inspection
- Foundation inspection
- Reinforcement steel and formwork inspection
- Concrete placement testing and inspection
- Sample and Cylinder pick up
- Asphalt placement testing and inspection
- Mortar sampling testing and inspection
- Structural steel bolting, plumbness and visual weld inspection
- Pre cast concrete inspection

Lab testing services that include but are not limited to:

- Concrete Cylinder compression test
- Mortar cube and grout cylinder compression test
- Concrete core preparation and compression test
- Concrete block preparation and compression test
- Concrete mix verification
- Mortar mix verification
- Soil moisture content determination
- Attenberg limits and gradation
- Standard & Modified Proctors (ASTM D-698 &1557 or AASHTO T-99)
- Additional laboratory and materials testing services as directed

Projects are assigned on a rotating basis to ensure that each company gets an equal amount of work during the duration of this contract pursuant to Code of Virginia §2.2-4303.1. Staff is satisfied with the work provided by the contractors. Contracts would not be extended to contractors who were not performing appropriately.

ISSUES: Historically, the On Call Geotechnical Engineering and Soil Scientists Services contract has been used to investigate site conditions and to verify material performance on

County CIP building projects. With the addition of numerous road projects to the County CIP, the use of this contract is being expanded to include site investigations for road design. By using the On Call Geotechnical Engineering and Soil Scientist Services contract on road projects instead of subcontracting geotechnical services through the On Call Roadway Transportation Design Services contract, contract award authority is preserved on the On Call Roadway Transportation Design Services contract for road design. Ultimately, this arrangement helps streamline the time needed to design multiple road projects concurrently by maximizing the use of the On Call Roadway Transportation Design Services contract and reducing the number of road projects needing to go through the more time consuming Request for Proposal process to procure design services.

This increase requires approval of the FGOEDC and the Board as the original contract was under staff authority in the amount of \$450,000. Per the Procurement Resolution, if a contract was awarded under staff authority and needs to be increased above \$500,000, approval is required by the FGOEDC and the Board.

FISCAL IMPACT: The County estimates spending \$1,500,000 on geotechnical engineering and soil scientist support services during the contract period. Funding for this contract would come from project appropriations in the Capital fund, the Department of Transportation & Capital Infrastructure’s operating budget, and/or Proffer funds subject to appropriation by the Board. No additional appropriations are being requested for this contract award. The estimated award authority is based upon the anticipated requirements to support the approved County CIP during the contract period.

ALTERNATIVES:

1. Recommend to the Board that the Purchasing Agent be authorized to increase the award authority for the On Call Geotechnical Engineering and Soil Scientists Services contracts with GeoConcepts Engineering, Inc., ECS Mid-Atlantic, LLC and Triad Engineering, Inc. by \$1,050,000 for a new estimated amount of \$1,500,000.

OR

2. Do not recommend award authority increase 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 increase the award authority for the On Call Geotechnical Engineering and Soil Scientists Services contracts with GeoConcepts Engineering, Inc., ECS Mid-Atlantic, LLC and Triad Engineering, Inc. by \$1,050,000 for a new estimated amount of \$1,500,000.

OR

2. I move an alternate motion.