

FAUQUIER COUNTY GOVERNMENT AND PUBLIC SCHOOLS

FINANCE DEPARTMENT, PROCUREMENT DIVISION

320 Hospital Drive Ste. 23

Warrenton, Virginia 20186

Phone: (540) 422-8354

Fax: (540) 422-8355

NOTICE OF CONTRACT SHORT-TERM EXTENSION

1. DATE: August 23, 2017
2. COMMODITY NAME: Open-Ended A/E Services – Geotechnical Engineering
3. CONTRACT NUMBER: 56-12khc
4. CONTRACT PERIOD: May 1, 2016 – April 30, 2017
Short-term extension: May 1, 2017 – August 31, 2017
Short-term extension: September 1, 2017 – November 30, 2017
5. RENEWAL OPTIONS: No remaining renewals (*See short-term extension*)
6. FIRMS:
(V/N 649314) WDP & Associates Consulting Engineers, Inc.
10621 Gateway Boulevard, Suite 200
Manassas, VA 20110
PH (703) 257-9280 FX (571) 292-9842

(V/N 646878) GeoConcepts Engineering, Inc.
19955 Highland Vista Dr., Suite 170
Ashburn, VA 20147
PH (703) 726-8030 FX (703) 726-8032

(V/N 644353) Triad Engineering, Inc.
46040 Center Oak Plaza, Suite 180 (*Address updated 4/18/17*)
Sterling, VA 20166
PH (703) 729-3456 FX (703) 729-3459
7. TERMS: Net 45
8. FOR FURTHER INFORMATION CONTACT: Kathy Stanley, CPPB, Senior Buyer
PH (540) 422-8354

NOTICE TO ALL FAUQUIER COUNTY GOVERNMENT AND PUBLIC SCHOOL USING DEPARTMENTS: This contract is the result of a competitive bid program and its use must follow the FCG&PS Procurement Policy/Procedures for the purchase of the commodity listed herein. Please see the reverse side of this notice for further instructions regarding this contract.

INSTRUCTIONS

1. Orders: All Using Departments must order services listed by issuing a Purchase Orders per the Procurement Procedures Manual, after following the instructions below. An extra copy of the Procedures Manual can be obtained by calling Procurement at (540) 422-8351 or 8352.

PROJECT ORDERS AND PROCEDURES FOR ORDERING SERVICES FOR OPEN-END ARCHITECTURAL SERVICES:

Types of Project Orders:

Lump Sum Fee Project Orders: Lump sum fees shall be negotiated individually for each project and issued as a separate Purchase Order (pricing shall be based on the attached hourly fee schedule).

Hourly Rate Project Orders: When the scope of services involves work of such nature that the Firm cannot reasonably estimate the time which would be required to provide the services, the Using Department may authorize an Hourly Rate based on the actual hours worked times the hourly rates indicated on the attached fee schedule and other approved expenses. A maximum Purchase Order fee or cost not to exceed limitation shall be agreed upon for Hourly Rate Purchase Orders. When an Hourly Rate Purchase Order is used, the Firm shall submit detailed time records, documentation for other expenses, and such other evidence as the Using Department may require to support the Firm's billing request.

Procedures for Ordering Services

The Using Department will request a lump sum fee or hourly rate proposal for each Project from the Firm. At the Firm's expense, the Firm shall visit the site and prepare a detailed proposal for accomplishing the services. The Firm shall determine feasibility of the proposed budget at this time. The Firm shall prepare a detailed lump sum or hourly rate (as applicable) fee proposal for accomplishing the services.

The Using Department will evaluate the Firm's fee proposal and may negotiate a suitable lump sum fee or a "not to exceed" amount with the Firm. Prompt completion of fee negotiations is imperative. Following successful negotiations, the Using Department will prepare a purchase order for the agreed scope of work and fee proposal, incorporating by reference the terms and conditions of this contract and forward to the Procurement Division. Once the Procurement Division has processed the purchase order (and assigned a number) the Using Department will authorize and instruct the Firm to proceed with the appropriate phase of the work. All purchase orders shall incorporate by reference the terms of this agreement.

The Firm shall not perform any work that has not been authorized by a written purchase order (or change order) executed by the Procurement Division. The Firm assumes all risk and financial liability for any services rendered without such proper authorization.

The Using Department reserves the right, at its sole discretion, to issue purchase orders to any Open-End firm based on its evaluation of each Firm's qualifications, expertise, capabilities, performance record, current workload, location or distance to the project and other factors as may be pertinent to a particular project.

Purchase Order Restriction/Maximum Fee Limitation: No individual purchase order fee shall exceed \$100,000 under contracts awarded within Open-End A/E contracts, and the sum of all projects during the contract term shall not exceed \$500,000. If a project is expected to be over this amount, requirements shall be forwarded to the Procurement Division and a separate RFP will be done for that project.

Change Orders: Change orders, authorized by the Procurement Division, may be issued to modify the scope of a Purchase Order. Change orders may add to, delete or otherwise modify the scope of services against a particular Purchase Order.

In making any modifications, the resulting increase or decrease in cost for the modification shall be determined by one of the following methods:

- A. The written modification shall stipulate the mutually agreeable fixed price for the specific addition to and/or deletion from the scope of work and/or specifications, which shall be added to or deducted from the total contract amount.
 - B. The written modification shall direct the Firm to proceed with a specific scope of work and to keep, and present in a form as the Using Department may direct, a correct account of the actual man-hours by category and discipline and the time sheets therefore. The fee amount will be the man-hours expended multiplied by the hourly rates specified in attached hourly fee schedule. No additional increase for overhead and profit will be allowed. Changes using this procedure will usually specify a maximum amount.
2. All correspondence and documents (to include invoices) shall reference the contract number, applicable purchase order number and any project reference number the Using Department may identify.
 3. Approval of Firm's invoice is the responsibility of the receiving using department.
 4. Any complaint as to quality of services or violation of contract provisions by the Firm shall be reported to the Procurement Division for handling with the Firm. All complaints must be submitted in writing and can be forwarded to Procurement via fax, e-mail or courier.
 5. Renewals: As stated on the face of this notice there are no remaining renewals on this contract.
 7. Evaluation of Services: At the conclusion of any project performed under this contract, or periodically throughout the project, the Using Department is requested to complete an Evaluation Form and return to the Procurement Division. This will be kept in the contract file for renewal and contract performance purposes.

FEE SCHEDULE, Contract # WDP 56-12khc

WDP & Associates Consulting Engineers, Inc.
 10621 Gateway Blvd., Suite 200
 Manassas, VA 20110

Phone: (703) 257-9280
 Fax: (571) 292-9842

President: A. Rhett Whitlock, Ph.D., P.E., rwhitlock@wdpa.com
 Associate/Sr. Engineer: Robert J. Niber, P.E., rniber@wdpa.com

Geotechnical Engineering Services

Classification	Hourly Rate
Principal	\$ 185.00
Associate	\$ 140.00
Project Manager/Engineer	\$ 95.00
Staff Engineer	\$ 80.00
CADD Operator	\$ 80.00
Laboratory Manager	\$ 75.00
Steel Ultrasonic/Magnetic Particle Inspector	\$ 105.00
Welding/Structural Steel/Fireproofing Inspector	\$ 85.00
Inspector (Soils/Concrete/CMU/Asphalt)	\$ 55.00
Laboratory Technician	\$ 45.00
Clerical Assistant	\$ 40.00
Equipment	
Drill Rig Mobilization	\$ 800.00/each
SPT Soil Test Borings	\$ 17.00/foot
Shelby Tube Samples	\$ 150.00/each
Inclinometer Installation	\$ 220.00/hour
1.25 inch PVC Observation Well Installation	\$ 25.00/foot
Protective Well/Inclinometer Covers	\$ 250.00/each
Backhoe Mobilization	\$ 500.00/each
Backhoe with Operator	\$ 175.00/hour
DMT/CPTU Rig Mobilization	\$ 1,000.00/each
DMT/CPTU Set-up	\$ 100.00/location
DMT Soundings	\$ 17.00/foot
DMT Membranes	\$ 125.00/each
CPTU Soundings	\$ 12.00/foot
Pressuremeter (PMT) Tests	\$ 2,000.00/day
Pressuremeter Membranes	\$ 250.00/each
DMT/CPTU/PMT Data Reduction	\$ 125.00/sounding

Concrete Core Rig and Operator/Helper	\$ 150.00/hour
Ultrasonic Weld Testing Device	\$ 250.00/day
Nuclear Density Gauge	\$ 25.00/day
Pachometer/Profometer	\$ 50.00/day
Inclinometer Rental	\$ 750.00/month
Laboratory Testing	
Concrete Test Cylinder Compression (ASTM C-39)	\$ 13.00/each
Flexural Beam Strength (ASTM C-78)	\$ 85.00/each
Mortar Cube/Cylinder Compression (ASTM C-780)	\$ 35.00/each
Grout Prism Compression (ASTM C-1019)	\$ 40.00/each
CMU Tests (ASTM C-140)	\$ 500.00/each
CMU Masonry Prism Tests (ASTM C-1314)	\$ 750.00/each
Standard Proctor (ASTM D-698/VTM-1)	\$ 125.00/each
Modified Proctor (ASTM D-1557)	\$ 140.00/each
CBR Tests (VTM-8)	\$ 500.00/each
Atterberg Limits (ASTM D-4318)	\$ 80.00/each
Sieve Analysis (ASTM D-422) w/hydrometer analysis	\$ 150.00/each
Specific Gravity of Soils (ASTM D-854)	\$ 55.00/each

Laboratory Testing (continued)	
Moisture Content of Soils (ASTM D-2216)	\$ 10.00/each
Unconfined Compression Tests (ASTM D-2166)	\$ 150.00/each
Direct/Residual Shear Tests (ASTM D-3080)	\$ 600.00/each
Permeability Tests (ASTM D-5084)	\$ 400.00/each
Fireproofing Densities (ASTM E-605)	\$ 60.00/each
Bulk Specific Gravity – Asphalt Cores (ASTM D-2726)	\$ 60.00/each
Reimbursable Costs	
Supplies, Subcontractors, Other	Cost + 15%
Mileage	\$0.65/mile
Expenses	Cost + 15%

FEE SCHEDULE, Contract # 56-12khc

GeoConcepts Engineering, Inc.
 19955 Highland Vista Dr., Suite 170
 Ashburn, VA 20147

Phone: (703) 726-8030
 Fax: (703) 726-8032

Project Manager: Ted W. Lewis, PE, tlewis@geoconcepts-eng.com

<i>Labor Category</i>	<i>Unit Rate Per Hour</i>
Principal	\$200
Associate	\$165
Senior Engineer/Geologist/Scientist	\$120
Project Engineer/Geologist/Scientist	\$90
Senior Staff Engineer/Geologist/Scientist	\$75
Structural Steel/Fireproofing Inspector	\$70
Staff Engineer/Geologist/Scientist/Staff Technologist	\$60
Senior Engineering Technician	\$50
Clerical	\$50

Notes:

1. Overtime rates for technician personnel will be charged at 1.5 times the standard hourly rate for work over 8 hours per day, 40 hours per week, weekend work, or holidays.
2. When using the hourly rates presented above for technicians, a \$40 per day trip charge will apply for travel time, travel mileage, and equipment rental.
3. A fee of \$75.00 per pick up will apply for transportation of cylinders to the testing laboratory.

SCHEDULE OF SOIL AND MATERIALS LABORATORY TESTING FEES

<u>SOILS</u>	<u>UNIT PRICE</u>
Moisture Content (ASTM D 2216)	\$15.00
Liquid and Plastic Limits and Plasticity Index (ASTM D 4318, AASHTO T89, T90)	
(a) Three Point Method	75.00
(b) Non-plastic Sample	35.00
Mechanical Analysis (ASTM D 422 and D 1140)	
(a) Sieve Analysis (with grain-size curve including washing through No. 200 Sieve)	75.00
(b) Hydrometer Analysis (with grain-size curve) – Includes Specific Gravity	195.00
(c) Amount finer than No. 200 Sieve (wet washing method)	50.00
Specific Gravity (AASHTO T100)	90.00
Compaction Test, Standard Proctor	
(a) ASTM D 698 or AASHTO T-99 Methods A through D, VTM-1	160.00
(b) As Item (a), Single Point	55.00
Compaction Test, Modified Proctor	
(a) ASTM D 1557 or AASHTO T-180 Methods A through D	195.00
(b) As Item (a) Single Point	55.00
California Bearing Ratio, 4-day Soaking, Penetration (includes Proctor Test)	
(a) ASTM D 1883, AASHTO T-193, or VTM-8	380.00
Extrusion and Logging of Tube Samples	60.00
Triaxial Compression per point (CU per ASTM D-4767), with pore pressure readings	225.00
Triaxial Compression per point (UU per ASTM D-2850)	150.00
Consolidation Test (ASTM D-2435) (maximum 12 load increments)	600.00
Additional Load Increments, per load	50.00
Time Compression Curves (maximum 12 curves)	55.00
Additional Time Compression Curve, per curve	15.00
Unconfined Compression Test for soil (ASTM D-2166), peak only	120.00
Direct Shear Test (ASTM D-3080), per vertical stress	150.00
Residual Direct Shear Test (COE 1110 Appendix IX), per vertical stress	225.00
Organic Content	50.00
Shrink Swell (ASTM D-4546)	195.00
<u>CONCRETE AND MASONRY</u>	
Compressive Strength of 6"x12" Concrete Cylinders (ASTM C 39)	12.00
Compressive Strength of 4"x8" Concrete Cylinders (ASTM C 39)	8.00
Compressive Strength of 2 inch Mortar or Grout Cubes (ASTM C 109)	15.00
Core Density and Moisture Content	30.00
Compressive Strength of Masonry Prisms (ASTM C 1314)	240.00
Compressive Strength of Brick Prisms	60.00
Compressive Strength of Grout Prisms (ASTM C 1019)	24.00
Electrical Indication of Concrete's Ability to Resist Chloride Penetration (ASTM C1202)	175.00
Floor Flatness and Levelness Testing with Report (per visit)	750.00
<u>ASPHALT</u>	
Quantitative Extraction of Bituminous Paving Mixtures by Reflux Method (VTM-36) and Mechanical Analysis of Extracted Aggregate (VTM-24)	215.00
Marshall Testing of Bituminous Paving Mixtures (3 points per test)	
(a) Molding Samples per point	50.00
(b) Stability and Flow per point	45.00
(c) Specific Gravities per point	40.00
Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures	75.00
<u>FIREPROOFING</u>	
Sprayed Fire Resistive Materials Density Testing (ASTM E605)	60.00
<u>CONCRETE/ASPHALT CORING</u>	
Mobilization/Demobilization (per day)	200.00
One person crew/hour (4-hour minimum)	100.00
Two person crew/hour (4-hour minimum)	130.00
Concrete/Asphalt Patch (per hole)	5.00
Compressive Strength of Drilled Cores (includes sample trimming and preparation)	75.00
<u>ROCK</u>	
Unconfined Compression Test for Rock (ASTM D-7012), peak only	150.00

GeoConcepts Field Investigation Rates, Fauquier County Open End Contract, 04-10-12

Drilling Charges:	Quantity	Rate
Mobilization of truck-rig	Lump Sum	\$650.00
Mobilization of ATV rig	Lump Sum	\$750.00
Backhoe for Test Pits w/ operator	Days @	\$1,500.00 /day
Auger Probe ONLY 2-1/4" and 3-1/4" (no SPT)	LF est. @	\$10.00 /LF
Soil borings, ordinary drive samples per ASTM D-1586, 2-1/4" and 3-1/4" ID HSA	LF est. @	\$12.50 /LF
Soil borings, 4-1/4" ID HSA	LF est. @	\$16.00 /LF
Premium on soil borings, hard soil (N>50)	LF est. @	\$3.00 /LF
Premium on soil borings, depth 40 - 80 ft.	LF est. @	\$2.00 /LF
Premium on soil borings, depth 80 - 120 ft.	LF est. @	\$4.00 /LF
Rock Core or Mud Rotary, set up charge	est. @	\$150.00 /ea
Premium on Mud Rotary Drilling 3" & 3.5" (0-100')	LF est. @	\$2.50 /LF
NQ Rock Core drilling	LF est. @	\$48.00 /LF
Hauling water	days est. @	\$150.00 /days
Temp water observation standpipe (1" PVC)	LF est. @	\$5.00 /LF
Temp water observation standpipe (2" or 4" PVC)	LF est. @	\$6.00 /LF
Temp water observation standpipe (5" PVC)	LF est. @	\$7.00 /LF
Undisturbed tube sample, 3" OD (Shelby Tube)	ea est. @	\$115.00 /ea
Bulk sample	ea est. @	\$35.00 /ea
Clearing, standby, and delay time	hrs est. @	\$250.00 /hr
Drill crew per diem (2-man crew)	days est. @	\$300.00 /day
Break and patch asphalt, cleanup	ea est. @	\$35.00 /ea
Return to site for 24 hr readings	hrs est. @	\$65.00 /hr
Private Utility Locator (4 hr min)	ea est. @	\$85 /hr
Boring layout and elevation survey		Lump Sum
Subcontract Administration Charge	10	%

FEE SCHEDULE, Contract # TRIAD 56-12khc

TRIAD Engineering, Inc. (Address updated 4/18/17) Phone: (703) 729-3456
 46040 Center Oak Plaza, Suite 180 Fax: (703) 729-3459
 Sterling, VA 20166
 Project Engineer: J. Michael Sawyers, msawyers@triadeng.com

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Geotechnical Engineering

Classification	Hourly Rate
Principal	\$150.00
Senior Engineer/Geologist/Scientist	\$125.00
Project Manager/Engineer	\$100.00
Staff Engineer	\$80.00
Staff Geologist	\$80.00
Geophysical Crew	\$150.00
Coring Crew	\$120.00
Field Services Manager	\$70.00
CADD Operator	\$75.00
Welding/Structural Steel/Fireproofing Inspector	\$90.00
Staff Scientist	\$80.00
Engineering Technician III (NICET/BOCA/IBC)	\$65.00
Engineering Technician II	\$55.00
Engineering Technician I	\$40.00
DOT Certified Engineering Technician	\$45.00
Inspector (Clerk of the Works)	\$40.00
Laboratory Technician	\$40.00
Clerical Assistant	\$40.00
Equipment/Drilling	
Drill Rig Mobilization*	\$600.00/Lump Sum
Auger Probe ONLY 2-1/4" and 3-1/4" (no SPT)	\$9.00/foot
SPT Soil Test Borings	\$ 16.00/foot
Premium on soil borings, hard soil (N>50)	\$3.00/foot
Premium on soil borings, depth 40 - 80 ft.	\$2.00/foot
Premium on soil borings, depth 80 - 120 ft.	\$4.00/foot
Rock Core or Mud Rotary, set up charge	\$100.00/each
Premium on Mud Rotary Drilling 3" & 3.5" (0100')	\$4.00/foot
NQ Rock Core drilling	\$35.00/foot
Hauling Water	\$150.00/day
Shelby Tube Samples	\$75.00/each
Bulk Sample	\$25.00/each
Clearing, standby, and delay time	\$250.00/hour
Break and patch asphalt, cleanup	\$35/each
Private Utility Locator (4 hr minimum)	\$85.00/hour
Laboratory Testing	
Moisture Content of Soils (ASTM D-2216)	\$10.00/each
Specific Gravity of Soils (ASTM D-854)	\$65.00/each
Sieve Analysis (ASTM D-422) w/hydrometer analysis	\$140.00/each
Percent Passing #200 Sieve (washed)	\$75.00/each
Complete Particle Size Analysis w/ Hydrometer and Assumed Specific Gravity	\$175.00/each
Standard Proctor (ASTM D-698/VTM-1)	\$130.00/each
Modified Proctor (ASTM D-1557)	\$150.00/each

Standard Proctor w/ Classification	\$280.00/each
One Point Proctor	\$50.00/each
California Bearing Ratio, 4-day Soaking, Penetration (includes Proctor Test) VTM -8	\$350.00/each
Consolidation Test (ASTM D-2435) (maximum 12 load increments)	\$525.00/each
Unconfined Compression Tests (ASTM D2166)	\$125.00/each
Direct/Residual Shear Tests (ASTM D-3080, 4 normal stresses)	\$450.00/each
Organic Content	\$45.00/each
Shrink Swell (ASTM D-4546)	\$185.00/each
Permeability Tests (ASTM D-5084)	\$350.00/ each
Atterberg Limits (ASTM D-4318)	\$75.00/each
Compressive Strength of 6"x12" Concrete Test Cylinder Compression (ASTM C-39)	\$12.50/ each
Compressive Strength of 4"x8" Concrete Test Cylinder Compression (ASTM C-39)	\$8.00/ each
Compressive Strength of 2 inch Mortar or Grout Cubes (ASTM C 109)	\$14.50/ each
Core, Compression Test (ASTM C-42)	\$75.00/each
Grout Prism Compression (ASTM C-1019)	\$18.00/each
Floor Flatness and Levelness Testing with Report	\$0.10/sf, \$500.00 minimum
Unconfined Compression Test for Rock (ASTM D-7012), peak only	\$75.00/each
Reimbursable Costs	
Supplies, Subcontractors, Other	Direct cost + 15%
Boring Layout and Elevation Survey	Direct cost + 15%
Mileage	\$0.70/mile

*formerly Minimum Mobilization Charge