

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 RENEWAL

1. DATE: February 15, 2023
2. COMMODITY NAME: Open-Ended A/E Services – Geotechnical Engineering
3. CONTRACT NUMBER: 13-18smc (see customization below)
4. CONTRACT PERIOD: December 1, 2017 – November 30, 2018
1st renewal: December 1, 2018 – November 30, 2019
2nd renewal: December 1, 2019 – November 30, 2020
3rd renewal: December 1, 2020 – November 30, 2021
4th renewal: December 1, 2021 – November 30, 2022

Extension1: 1 Year December 1, 2023 –November 30, 2024
5. RENEWAL OPTIONS: Four (4) one-year renewal options
6. FIRMS:

(V/N 649314) WDP-13-18smc
WDP & Associates Consulting Engineers, Inc.
10621 Gateway Boulevard, Suite 200
Manassas, VA 20110
PH (703) 257-9280 FX (571) 292-9842
Contact: Robert J. Niber, P.E., rniber@wdpa.com

ECS-13-18smc
(V/N 644940) ECS Mid-Atlantic, LLC
915 Maple Grove Drive, Suite 100
Fredericksburg, VA 22407
PH (540) 370-2823 cell FX (540) 518-9039
New contact 10/22/20 Contact: William Gaspar, P.E., wgaspar@ecslimited.com

HCEA-13-18smc
(V/N 650322) Hillis-Carnes Engineering Associates, Inc.
14155 Sullyfield Circle, Suite A (PO address; remit, in Bright)
Chantilly, VA 20151
PH (703) 817-1106 FX (703) 817-1170
Contact: Timothy B. Hill. P.E., Thill@HCEA.com
7. TERMS: Net 45
8. PROC. CONTACT: Susan R. Monaco, CPPO, CPPB, Procurement Manager
PH (540) 422-8348

NOTICE TO ALL FAUQUIER COUNTY GOVERNMENT AND PUBLIC SCHOOL USING
DEPARTMENTS: This contract is the result of a competitive negotiation process and its use must

follow the FCG&PS Procurement Policy/Procedures for the purchase of the services 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 \$500,000* under contracts awarded within Open-End A/E contracts, and the sum of all projects during the contract term shall not exceed \$1,500,000*. 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.

** These limited raised per Procurement Policy revisions effective 12/1/2020, with third renewal of this contract.*

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 four (4) one-year renewals on this contract; notice of renewal will be sent to the Firms approximately 90 days prior to expiration of the current contract term. Price adjustments may only be negotiated during that period, per the RFP/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.

WDP-13-18smc (No fee changes w/2020-2021 renewal; pricing remains as noted)

2017-2018 Fee Schedule
Geotechnical Engineering/Inspection & Testing Services
Contract # 13-18sm

WDP & Associates Consulting Engineers, Inc. (WDP)
 10621 Gateway Boulevard, Suite 200
 Manassas, Virginia 20110

Primary Point of Contact: Rob Niber, P.E. – Senior Associate
 Direct Office: (571) 292-9811
 Tele: (703) 257-9280 x 111
 Fax: (571) 292-9842
 Cell: (703) 856-7831
 Email: RNiber@wdpa.com

DESCRIPTIONS**HOURLY RATES**

1. Principal	\$ 185.00
2. Sr. Associate	\$ 165.00
2. Associate	\$ 140.00
3. Project Engineer/Manager	\$ 100.00
4. Staff Engineer/Geologist	\$ 85.00
5. CADD Operator	\$ 85.00
6. Laboratory Manager	\$ 75.00
7. Steel Ultrasonic/Magnetic Particle Inspector	\$ 105.00
8. Welding/Structural Steel/Fireproofing Inspector	\$ 90.00
9. Inspector (Soils/Concrete/CMU/Asphalt)	\$ 60.00
10. Laboratory Technician	\$ 50.00
11. Clerical Assistant	\$ 45.00

EQUIPMENT**RATES**

1. Drill Rig Mobilization	\$ 900.00/each
2. SPT Soil Test Borings	\$ 17.00/foot
3. Shelby Tube Samples	\$ 150.00/each
4. Standby/Clearing Time	\$ 225.00/hour
5. Inclinator Installation	\$ 85.00/foot
6. 1.25-inch PVC Observation Well Installation	\$ 35.00/foot
7. Protective Well/Inclinator Covers	\$ 350.00/each
8. Backhoe Mobilization	\$ 500.00/each
9. Backhoe with Operator	\$ 175.00/hour
10. DMT/CPTU Rig Mobilization	\$ 1,500.00/each
11. DMT/CPTU Set-up	\$ 120.00/location
12. DMT Soundings	\$ 18.00/foot
13. DMT Membranes	\$ 150.00/each
14. CPTU Soundings	\$ 18.00/foot
15. Pressuremeter (PMT) Tests	\$ 2,500.00/day

WDP-13-18smc, continued

16. Pressuremeter Membranes	\$ 300.00/each
17. DMT/CPTU/PMT Data Reduction	\$ 150.00/sounding
18. Concrete Core Rig and Operator/Helper	\$ 150.00/hour
19. Ultrasonic Weld Testing Device	\$ 250.00/day
20. Nuclear Density Gauge	\$ 25.00/day
21. Pachometer/Profometer	\$ 50.00/day
22. Inclinator Rental	\$ 950.00/month

LABORATORY TESTING**RATES**

1. Concrete Test Cylinder Compression (ASTM C-39)	\$ 15.00/each
2. Flexural Beam Strength (ASTM C-78)	\$ 85.00/each
3. Mortar Cube/Cylinder Compression (ASTM C-780)	\$ 35.00/each
4. Grout Prism Compression (ASTM C-1019)	\$ 40.00/each
5. CMU Tests (ASTM C-140)	\$ 500.00/each
6. CMU Masonry Prism Tests (ASTM C-1314)	\$ 750.00/each
7. Standard Proctor (ASTM D-698/VTM-1)	\$ 125.00/each
8. Modified Proctor (ASTM D-1557)	\$ 140.00/each
9. CBR Tests (VTM-8)	\$ 500.00/each
10. Atterberg Limits (ASTM D-4318)	\$ 80.00/each
11. Sieve Analysis (ASTM D-422)	\$ 80.00/each
with hydrometer analysis	\$ 150.00/each
12. Specific Gravity of Soils (ASTM D-854)	\$ 55.00/each
13. Moisture Content of Soils (ASTM D-2216)	\$ 10.00/each
14. Unconfined Compression Tests (ASTM D-2166)	\$ 250.00/each
15. Direct/Residual Shear Tests (ASTM D-3080)	\$ 750.00/each
16. Permeability Tests (ASTM D-5084)	\$ 500.00/each
17. Fireproofing Densities (ASTM E-605)	\$ 60.00/each
18. Bulk Specific Gravity - Asphalt Cores (ASTM D-2726)	\$ 60.00/each

REIMBURSABLE COSTS

<u>DESCRIPTION</u>	<u>UNIT</u>	<u>RATE OF REIMBURSEMENT</u>
1. Subcontractors Fees		Cost + 10 %
2. Mileage (for round trip travel exceeding 50 miles)		at current GSA rate
3. Supplies, Other Expenses		Cost

ECS-13-18smc (Updated fees w/2023-2024 renewal as noted below)

13-18smc, Geotechnical Engineering Open-End A/E

ECS-13-18smc (Updated fees w/2021-2022- renewal as noted below)

ECS MID-ATLANTIC, LLP

ECS 13-18smc 2020-2021 Renewal Geotechnical Engineering Open-End A/E**Engineering Services**

Principal Professional Engineer, per hour.....	\$ 170.00	200.00
Professional Engineer, per hour.....	\$ 110.00	200.00
Professional Geologist (P.G.), per hour.....	\$ 110.00	165.00
Staff Engineer (E.L.T.), per hour.....	\$ 92.00	115.00
Staff Geologist, per hour.....	\$ 92.00	115.00
CMT Project Manager, per hour.....	\$ 96.00	100.00
CADD Operator, per hour.....	\$ 66.00	85.00
Field Technician (Soil, Concrete, Masonry), per hour.....	\$ 30.50	56.00
Structural Steel (Visual Inspection), per hour.....	\$ 86.00	95.00
Clerical.....	\$ 45.00	65.00
Per Diem.....	State Allowance	
Mileage, per mile.....	IRS RATE	
Miscellaneous Expenses.....	Cost	
Sub-Contracted Services (SCS).....	Cost + 10%	

DRILLING - Rates not Updated for this proposal. The Rates are not updated for 2023

Mobilization, lump sum (minimum charge of \$500).....	Cost+10%
Drill Crew Per Diem.....	State Allowance
Minimum One-Day Drilling Fee, per day.....	\$ 1450.00
Standard Penetration Test Borings (ASTM D 1586)	
- N < 60 BPF and depth < 50 Feet, per foot.....	\$ 14.00
- N > 60 BPF or depth > 50 Feet, per foot.....	\$ 15.00
Continuous Sampling Test Borings (ASTM D 1586)	
- 0' - 30', per foot.....	\$ 17.50
- 30' - 50', per foot.....	\$ 19.00
Auger Probes (ASTM D 1452), per foot.....	\$ 11.00
Shelby tube (ASTM D 1587), sampling/each attempt.....	\$ 150.00
Rock Coring (ASTM D 2113), per foot.....	\$ 60.00
- Casing advancer, per foot.....	\$ 70.00
- Per set up, each.....	\$ 160.00
Water hauling for rock coring	
- Per hour - drill crew.....	\$ 180.00
- Per hour - extra man.....	\$ 75.00
Drill Crew Standby Time, per hour.....	\$ 225.00
Temporary Piezometer (1-inch PVC)	
- No Sand Pack, per foot.....	\$ 12.00
- With Sand Pack, per foot.....	\$ 14.00
Monitoring Well (2-inch), per foot.....	\$ 40.00
Borehole Grouting, per foot.....	\$ 9.00
Miscellaneous Drilling Supplies.....	Cost
(typically includes pick-up, loading and delivery)	
Bulldozer Mobilization for Clearing (minimum charge for \$500).....	Cost+10%
SCS: Bulldozer for Clearing (minimum 4 hours).....	Cost+10%
Private Utility Locator.....	Cost+10%
Drill Crew Hand Clearing Access, per hour.....	\$ 225.00
Bulk Samples of Auger Cuttings, per sample.....	\$ 45.00

ECS MID-ATLANTIC, LLP

ECS 13-18smc 2020-2021 Geotechnical Engineering Open-End A/E Continued

LABORATORY TESTING

Moisture Content (ASTM D 2216), each.....	\$	10.00	
Soil Classification (Atterberg Limits & Wash #200), each.....	\$	135.00	150
(ASTM D 4318 & ASTM D 1140)			
Atterberg Limits (ASTM D 4318), each.....	\$	70.00	75.00
Wash #200 (ASTM D 1140), each.....	\$	65.00	75.00
Particle Size Analysis/Soils (ASTM D 422)			
- Sieve Analysis, each.....	\$	65.00	75
- Hydrometer Analysis, each.....	\$	125.00	150
Specific Gravity (ASTM D 854), each.....	\$	65.00	
Standard Proctor (ASTM D 698), each.....	\$	125.00	175.00
Modified Proctor (ASTM D 1557), each.....	\$	145.00	145.00
One - Point Proctor, each.....	\$	75.00	
CBR Test with Standard Proctor (ASTM D 1883), each.....	\$	375.00	375.00
One - Dimensional Consolidation (ASTM D 2485)			
- 7 increments (including rebound), each.....	\$	500.00	
- Additional load increments, each.....	\$	100.00	
Hydraulic Conductivity, Flexible Wall Permeameter (ASTM D 5084), each.....	\$	500.00	
Permeability, Constant Head, each.....	\$	350.00	
- Falling Head (ASTM D 5084), each.....	\$	300.00	
Unconfined Compressive Strength (ASTM D 2166 - Soil), each.....	\$	110.00	
CU Triaxial (ASTM D 4767)			
- With Remolded Samples (3 points), each.....	\$	1250.00	
- With Shelby Tube Extraction (3 points), each.....	\$	1290.00	
UU Triaxial (ASTM D 2850)			
- With Remolded Samples (3 points), each.....	\$	600.00	
- With Shelby Tube Extractions, each.....	\$	640.00	
Direct Shear (ASTM D 3080)			
- With Remolded Samples (3 points), each.....	\$	700.00	
- With Shelby Tube Extraction, each.....	\$	750.00	
Shelby Tube Handling, each.....	\$	85.00	
(extrusion of sample, unit weight and moisture content)			
Compressive Strength Testing Concrete Cylinders, each.....	\$	10.00	17.00
Compressive Strength Grout Cubes, each.....	\$	15.00	19.00
Visual Classifications, sample.....	\$	5.00	
Specialty Laboratory Testing.....		Cost+10%	

MISCELLANEOUS

Nuclear Gauge, a day.....	\$	20.00	35.00
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The above rates represent typical geotechnical services which may be required. Project specific conditions may require testing and exploration tests or methods beyond those listed herein. If required, such services will be quoted on an as needed basis.

Note: Overtime Standard Rate is 1.50 for services performed on Saturday, Sunday, holidays, before 7:00 AM or after 5:00 PM or exceeding 8 hours per day Monday thru Friday. There will be NO MINIMUM CHARGE for field related services for work completed Monday through Friday. Minimum charge for Saturday work is 4 hour increments and 8 hours increments for Sunday work. Field labor rates are charged portal to portal from the ECS office location to the project. Scheduling should occur prior to 3:00pm on the day before services are required. Note: The above charges will be made for tests and equipment operated by ECS personnel in addition to personnel charges already listed. Note: Charges for engineering and technical personnel will be made for time spent in the field, in engineering analysis, in preparation and review of reports, and in portal to portal travel to the job site.

HCEA-13-18smc (No fee changes w/2020-2021 renewal; pricing remains as noted)
HILLIS-CARNES
 ENGINEERING ASSOCIATES

 Fauquier County, VA - RFP #13-18sm
Open-End As-Required A/E Services for Geotechnical Engineering
 For Fauquier County and Public Schools
GEOTECHNICAL ENGINEERING & INSPECTION**1. PROFESSIONAL STAFF**

A)	Principal Engineer	Hr	150.00
B)	Sr. Project Engineer.....	Hr	125.00
C)	Project Manager/Engineer.....	Hr	100.00
E)	Professional Geologist.....	Hr	95.00
F)	Staff Engineer/Geologist.....	Hr	85.00
G)	Engineer Aide.....	Hr	75.00

CONSTRUCTION MATERIALS INSPECTION AND TESTING (CMT)

		<u>Unit</u>	<u>Price</u>
1. PROFESSIONAL STAFF			
A)	Professional Engineer.....	Hr	150.00
B)	Project Manager/Engineer.....	Hr	75.00
C)	Staff Engineer	Hr	75.00
2. TECHNICAL STAFF			
A)	Engineering Technician	Hr	36.00
B)	Senior Engineering Technician.....	Hr	45.00

*Mileage will be billed at \$0.535/mile for travel to sites beyond those which the County considers local travel.
 Overtime will be billed at 1.4 times the applicable hourly rate when on-site time exceeds 8 hours/day.*

CMT LABORATORY SERVICES**1. SOIL TESTING**

A)	Atterberg Limits (ASTM D4318)	Ea	55.00
B)	Shrinkage Limits (ASTM D427).....	Ea	35.00
C)	Moisture Contents (ASTM D2216).....	Ea	7.00
D)	Grain Size Distribution		
1)	Sieve Analysis		
	(ASTM D422, washed)	Ea	55.00
2)	Decanting over #200 Sieve Only		
	(ASTM D1140)	Ea	40.00
3)	Hydrometer Analysis Only		
	(ASTM D 422)	Ea	50.00
4)	Sieve and Hydrometer Analysis		
	(ASTM D 422)	Ea	110.00
E)	Organic Content		
	(Loss on ignition, AASHTO T-267).....	Ea	45.00
F)	Extrude and Log Shelby Tube Samples	Ea	25.00
G)	Visual Classification (Unified)		
	(ASTM D2487)	Ea	10.00
H)	Natural Density	Ea	15.00

HCEA-13-18smc, continued
HILLIS-CARNES
 ENGINEERING ASSOCIATES

 Fauquier County, VA - RFP #13-18sm
Open-End As-Required A/E Services for Geotechnical Engineering
 For Fauquier County and Public Schools

I)	Relative Density Test (ASTM D4253/4254)		
1)	Maximum.....	Ea	250.00
2)	Minimum.....	Ea	100.00
J)	Permeability Tests		
1)	Flexible Wall Permeameter with Back Pressure Saturation (ASTM D5084).....	Ea	275.00
2)	Fixed Wall Permeameter (ASTM D2434).....	Ea	225.00
K)	Compaction Tests		
1)	Modified Proctor (ASTM D1557).....	Ea	115.00
2)	Standard Proctor (ASTM D698).....	Ea	100.00
L)	California Bearing Ratio (CBR) Tests		
1)	ASTM D1883.....	Ea	275.00
2)	ASTM D1883.....	Ea/Pt	60.00
M)	Consolidation Tests (ASTM D2435), with Loading to overburden stress, unloading & sieve load increments		
1)	Undisturbed Samples.....	Ea	400.00
2)	To Remold Samples, add.....	Ea	40.00
3)	Reporting of Time Curves.....	Ea	20.00
N)	Swell Pressure Test.....	Ea	250.00
O)	Unconfined Compression (ASTM D2166)		
1)	Undisturbed Sample.....	Ea	85.00
2)	To Remold Sample.....	Ea	60.00
P)	Triaxial Strength Testing		
1)	Unconsolidated, Undrained (UUT) (Q)		
a)	One Circle.....	Ea	250.00
b)	Three Circles.....	Ea	650.00
c)	Special Sample Preparation or Remodeling, add per circle.....	EA	200.00
2)	Consolidated, Undrained (CUT) (R)		
a)	One Circle.....	Ea	300.00
b)	Three Circles.....	Ea	800.00
Q)	Soil-Cement or Soil-Lime Stabilization - Design Testing, fee upon request		

2. **CONCRETE TESTING**

A)	Compressive Strength		
1)	Cylinders (ASTM C39).....	Ea	12.00
2)	Concrete Cores (ASTM C42).....	Ea	50.00
3)	Mortar Cubes (ASTM C109).....	Ea	15.00
B)	Split Tensile Strength		
1)	Cylinders (ASTM C496).....	Ea	75.00
C)	Flexural Strength		
1)	Beams (ASTM D78).....	Ea	50.00
D)	Mix Verification (ASTM C192)		
1)	Compressive Strength Mix - Normal Weight Aggregates.....	Ea	250.00
2)	Flexural Strength Mix - Normal Weight Aggregates.....	Ea	375.00

HCEA-13-18smc, continued

HILLIS-CARNES
ENGINEERING ASSOCIATES

Fauquier County, VA - RFP #13-18sm
Open-End As-Required A/E Services for Geotechnical Engineering
For Fauquier County and Public Schools

E)	Miscellaneous			
	1)	Reserve Cylinders (Cured but not tested)	Ea	10.00
3.	AGGREGATE TESTING			
	A)	Aggregate Gradation Test (ASTM C33, 136)	Ea	60.00
	B)	Absorption Test (ASTM C127, 128)	Ea	35.00
	C)	Specific Gravity (ASTM C127, 128)	Ea	35.00
	D)	Organic Impurities (ASTM C 40)	Ea	30.00
	E)	Los Angeles Abrasion (ASTM C131)	Ea	150.00
	F)	Sulfate Soundness, Magnesium or Sodium (ASTM C88), 5 cycles	Ea	150.00
4.	MASONRY TESTING			
	A)	Mortar/Grout/Cement		
	1)	Mix Mortar Trial Batch (ASTM C-270)	Ea	250.00
	2)	Compressive Strength Mortar/Grout Cubes (ASTM C-109)	Ea	12.00
	3)	Compressive Strength - Grout Prisms (ASTM C-1019)	Ea	14.00
	B)	Concrete Block		
	1)	Compressive Strength		
	a)	Single Block - 3 samples minimum (ASTM C-140)	Ea	50.00
	b)	Three Block Prism Test (ASTM C-447)	Ea	85.00
	c)	Two Block Prism Test (ASTM C-447)	Ea	85.00
	2)	Absorption/Moisture Content - 3 samples minimum (ASTM C-140)	Ea	30.00
	3)	Drying Shrinkage - 3 samples minimum (ASTM C-426)	Ea	300.00

DRILLING

1.	SOIL SAMPLING -			
	A)	Hollow Stem Auger Boring W/ Standard Penetration Testing (SPT)		
	1)	3.25-inch I.D. (6 or 7-inch O.D.)		
	a)	W/ Continuous SPT	L.F.	18.50
	b)	W/ 5' Interval SPT	L.F.	16.00

Hillis-Carnes Engineering Associates, Inc. – Fee Schedule

HCEA-13-18smc, continued
HILLIS-CARNES
 ENGINEERING ASSOCIATES

 Fauquier County, VA - RFP #13-18sm
Open-End As-Required A/E Services for Geotechnical Engineering
 For Fauquier County and Public Schools

2)	4.25-inch I.D. (8-inch O.D.)		
a)	W/ Continuous SPT	L.F.	21.50
b)	W/ 5' Interval SPT	L.F.	18.50
3)	Unsampled Augering	L.F.	17.00
4)	Soil Drilling Premium (50+ L.F.)	L.F.	12.00
B)	80 pound Bulk Samples	Ea	45.00
C)	Senior Drilling Foreman	Hr	75.00
2.	<i>MOBILIZATION-All Projects</i>		
A)	Drill Rig, Support Truck, Crew, and Equipment to Site and Return	L.S.	800.00
3.	<i>SPECIALTY SOIL SAMPLING</i>		
A)	Shelby Tube Samples, ASTM D1587		
1)	0 to 50 feet in depth	Ea	150.00
2)	50 to 100 feet in depth	Ea	175.00
B)	Piston Tube Samples		
1)	0 to 50 feet in depth	Ea	220.00
2)	50 to 100 feet in depth	Ea	280.00
C)	GeoProbe Rig for CPT or DMT testing		
1)	Daily Rate - Includes rig, testing, analysis	Day	\$5,000.00
4.	<i>ROCK SAMPLING</i>		
A)	NX/NQ-2 Size		
1)	0 to 100 feet in depth	L.F.	50.00
2)	100+ feet in depth	L.F.	60.00
B)	HQ Size		
1)	0 to 100 feet in depth	L.F.	45.00
2)	100+ feet in depth	L.F.	55.00
5.	<i>CONCRETE CORING</i>		
A)	6-8" Concrete/Masonry Core	Ea	80.00
B)	3-6" Concrete/Masonry Core	Ea	60.00
C)	Generator Rental	Day	50.00
D)	Coring Machine Rental	Day	150.00

RATES VALID THROUGH NOVEMEBR 30, 2018