

Type Your Firm's Name Here

SAVE AND SUBMIT AS AN EXCEL FILE

The Contractor will furnish all labor, materials, tools, transportation and equipment necessary to provide Geologic and Hydrogeologic services to Lake County on an as-needed basis. Actual hours are unknown and are estimated for evaluation purposes only.

Alterations to locked cells may result in disqualification of submission.

1. Semi-Annual Report:

ITEM #	DESCRIPTION	ESTIMATED NUMBER OF HOURS	HOURLY RATE	TOTAL
1	Professional Geologist	18	\$175.00	\$3,150.00
2	Staff Geologist	16	\$165.00	\$2,640.00
3	Drafting Services	3	\$68.00	\$204.00
4	Clerical / Administration Services	3	\$55.00	\$165.00

2. Central LF Biennial Report:

ITEM #	DESCRIPTION	ESTIMATED NUMBER OF HOURS	HOURLY RATE	TOTAL
5	Professional Geologist	90	\$175.00	\$15,750.00
6	Staff Geologist	20	\$165.00	\$3,300.00
7	Drafting Services	10	\$68.00	\$680.00
8	Clerical / Administration Services	8	\$55.00	\$440.00

3. Other (List category w/ estimated number of hours and hourly pricing):

ITEM #	DESCRIPTION	ESTIMATED NUMBER OF HOURS	HOURLY RATE	TOTAL
9	See Attacehd Fee Schedule		\$0.00	\$0.00
10			\$0.00	\$0.00
11			\$0.00	\$0.00
12			\$0.00	\$0.00
13			\$0.00	\$0.00
14			\$0.00	\$0.00

Lake County is exempt from all taxes (Federal, State, Local). A Tax Exemption Certificate will be furnished upon request for any direct purchasing. Contractor will be responsible for payment of taxes on all materials purchased by the Contractor for the project.

Lake County will not accept nor authorize payment for travel time or expenses of service personnel to any of Lake County's facility locations. The hourly rate must commence on the job site. Billable time will be for service work performed.

This is an indefinite quantity contract with no guarantee use of services. The County does not guarantee a dollar amount to be expended on any contract resulting from this solicitation.

FEE SCHEDULE
ANDREYEV ENGINEERING, INC.
(Effective January 1, 2021)

PROFESSIONAL SERVICES

A. Professional Services

The following hourly rates will be applicable for time spent by Professionals for project coordination, direction, management, consultations, evaluations of field and laboratory data, preparation of engineering reports, conferences and inspections related to geotechnical, groundwater, environmental and materials testing engineering services.

1.	Expert Witness by Professional Engineer/Geologist	\$250.00/hour
2.	Principal Engineer	\$195.00/hour
3.	Chief Engineer/Geologist/Modeler	\$175.00/hour
4.	Senior Project Engineer/Manager/Geologist	\$165.00/hour
5.	Project Engineer/Modeler/Geologist	\$150.00/hour
6.	Field Engineer/Geologist	\$125.00/hour
7.	Senior Environmental Technician	\$75.00/hour
8.	Senior Geotechnical Engineering Technician	\$75.00/hour
9.	Engineering Technician	\$65.00/hour
10.	Licensed Threshold Agent	\$150.00/hour
11.	Chief Structural Technician	\$145.00/hour
12.	Senior Structural Technician	\$100.00/hour

B. Word Processing and CADD Services

1.	CADD/GIS Technician	\$68.00/hour
2.	Word Processing Services	\$55.00/hour

C. Phase I Environmental Site Assessments

1.	ASTM E1527-13 Standard, Local (Local: Site is within 1.5 hours from AEI Project Office)	\$1,950.00/each
2.	ASTM E1527-13 Standard, Non-Local (Non-Local: Site is located greater than 1.5 hours from AEI Project Office)	\$2,250.00/each
3.	ASTM E1527-13 Standard, (for Properties >25 acres)	Per Project

4. **Chain of Title Search (One Parcel)** \$ 400.00/each
5. **ASTM Non-Scope Items, (Asbestos, Lead Based Paint Sampling, Radon Testing, etc.)** Per item and per project basis

GEOTECHNICAL AND HYDROGEOLOGICAL SERVICES

A. Field Investigation

1. Subsurface Soil Investigation:

- a. Mobilization of Drilling Equipment:
- | | | | | |
|-------------------------------------|--------------|----------|----------------|-------------|
| Truck Mounted | (0-50 miles) | \$450.00 | (50-100 miles) | \$495.00 |
| Mud Bug | (0-50 miles) | \$480.00 | (50-100 miles) | \$595.00 |
| Go Track (Trailer Rig) | (0-50 miles) | \$525.00 | (50-100 miles) | \$750.00 |
| DPT Rig | (0-50 miles) | \$750.00 | (50-100 miles) | \$900.00 |
| Long Distance (Depends on Location) | | | | Per Project |

- b. Trailer/Minimum Access Rig \$2,700.00/day
 Sand Grout Rig: \$3,600.00/day

- c. Soil Borings:
- Shallow Auger Borings (<15ft),
 2 - man crew with equipment \$950.00/crew-day
 3 - man crew with equipment \$1,150.00/crew-day

	Truck Rig	Mud Bug	Trailer Rig (Go Track)
Power Auger Borings:			
0 - 50 foot depth	\$9.75/LF	\$10.00/LF	\$10.25/LF
50 - 100 foot depth	\$12.50/LF	\$13.00/LF	\$13.25/LF
Standard Penetration Test Borings:			
0 - 50 foot depth	\$11.75/LF	\$12.75/LF	\$15.00/LF
50 - 100 foot depth	\$13.50/LF	\$13.75/LF	\$18.00/LF
100 - 150 foot depth	\$17.75/LF	\$18.25/LF	\$24.25/LF
Installation of Casing:			
0 - 50 foot depth	\$6.00/LF	\$6.50/LF	\$8.50/LF
50 - 100 foot depth	\$7.50/LF	\$8.50/LF	\$10.75/LF
100 - 150 foot depth	\$9.75/LF	\$10.75/LF	\$13.25/LF
Seal Bore Holes with Cement/Bentonite:			
0 - 50 foot depth	\$5.75/LF	\$5.75/LF	\$5.75/LF
50 - 100 foot depth	\$6.00/LF	\$6.00/LF	\$6.00/LF
100 - 150 foot depth	\$7.00/LF	\$7.00/LF	\$7.00/LF
Extra Split Spoon Samples:			
0 - 50 foot depth	\$31.00/each	\$32.50/each	\$35.00/each
50 - 100 foot depth	\$39.00/each	\$37.50/each	\$40.00/each
100 - 150 foot depth	\$47.00/each	\$50.00/each	\$55.00/each
Undisturbed (Shelby Tube) Samples:			
0 - 50 foot depth	\$175.00/each	\$195.00/each	\$205.00/each
50 - 100 foot depth	\$225.00/each	\$235.00/each	\$250.00/each
101 - 150 foot depth	\$350.00/each	\$365.00/each	\$385.00/each

d.	Direct Push Sampling:	
	Full day	\$2900.00
	½ day	\$1500.00

2. Installation of Piezometers and Wells

		Truck Rig	Mud Bug
a.	Shallow Piezometers (<12 foot)	\$25.00/LF	\$26.50/LF
b.	Grouted Piezometers (2" Diameter)		
	0 - 50 foot depth	\$27.00/LF	\$34.00/LF
	50 - 100 foot depth	\$37.00/LF	\$46.00/LF
c.	Groundwater Monitoring Wells (2" diameter)		
	0 - 50 foot depth	\$40.00/LF	\$42.00/LF
	50-100 foot depth	\$44.00/LF	\$49.00/LF
d.	Groundwater Monitoring Wells (4" diameter)		
	0 - 50 foot depth	\$44.00/LF	\$47.00/LF
	50-100 foot depth	\$54.00/LF	\$57.00/LF
e.	Locking Protection Assembly (Riser):	\$350.00/each	\$350.00/each
f.	Locking Protection Assembly (Flush Mount):	\$300.00/each	\$300.00/each
j.	Surface Casing for Double Wall Wells (6"):		
	0 - 25 foot depth	\$35.00/LF	\$37.50/LF
	25 - 50 foot depth	\$40.00/LF	\$42.50/LF
	50 - 75 foot depth	\$52.00/LF	\$55.00/LF
	75 - 100 foot depth	\$65.00/LF	\$70.00/LF
h.	Clear/Development Wells for Sampling:	\$225.00/hour	\$250.00/hour
i.	Sampling of Wells/Delivery to Water Quality Laboratory:	\$75.00/hour	\$75.00/hour

3. Cone Penetrometer/Sounding:

a.	Cone Penetrometer Drill Rig	
	0 - 100 foot depth	\$11.75/LF
	100 - 200 foot depth	\$13.75/LF

4. Other Field Services:

a.	Muck Probe Survey (2-Man Crew) (3-Man Crew)	\$950.00/day \$1,150.00/day
b.	Collection of Shallow Depth Permeability Tube Sample:	\$150.00/each
c.	Field Bore Hole Permeability: 0 - 5 foot depth 5 - 10 foot depth	\$275.00/each \$325.00/each
d.	Decontamination:	\$225.00/hour

e.	Stand-By Time:	\$225.00/hour
f.	Clearing to Access Difficult Areas:	cost plus 25%
g.	Signs and Cones:	cost plus 25%
h.	Traffic Control:	Per project
i.	Rock Coring	
	0-50 foot depth	\$36.00/LF
	50-100 foot depth	\$40.00/LF
	100-150 foot depth	\$48.00/LF

B. Laboratory Soil Testing

1. Identification and Classification

Natural Moisture Content	\$17.50/each
Percent passing #200 sieve (-200)	\$30.00/each
Unit weight and moisture content (Undisturbed Sample)	\$40.00/each
Liquid and Plastic Limits	\$175.00/each
Specific Gravity	\$45.00/each
Grain Sized Determination:	
• Full Grain Size (8 sieves)	\$75.00/each
• Wash Through #200 or #270	\$30.00/each
• Hydrometer Analysis	\$100.00/each
Organic Content by Dry Weight	\$75.00/each
Soil Resistivity Laboratory	\$70.00/Sample
Soil Corrosivity (pH, sulfate, chloride, resistivity)	\$250.00/Sample
Soil pH	\$35.00/Sample

2. Consolidation

Test on undisturbed sample, including loading to overburden pressure, unloading and reloading.	\$750.00/each
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3. Shear Strength

Unconfined compression test on Shelby Tube Sample	\$260.00/each
Direct Shear Test	\$280.00/each
Triaxial Compression Test – CD/point	\$575.00/point
Triaxial Compression Test – UU/point	\$475.00/point

4. Laboratory Permeability (Collection of Soil Sample Not Included)

On Undisturbed Shelby Tube	\$195.00/each
On Re-Molded Sample	\$225.00/each
Triaxial Permeability Test	\$575.00/each

CONSTRUCTION MATERIALS INSPECTION AND TESTING SERVICES

A. Soil Test

1. **Standard or Modified Proctor on Soil**
(AASHTO T-99 or T-180 4" Mold) \$90.00/each
2. **Subgrade or Limerock Base Thickness** \$20.00/each
3. **Modified Proctor on Limerock**
(AASHTO T-180, 6" Mold) \$90.00/each
4. **Laboratory LBR or CBR including Modified Proctor Test** \$275.00/each
5. **Florida Bearing Value** \$60.00/each
6. **Compaction Tests**
 - a. Nuclear Gauge Method \$25.00/each
 - b. Calibrated Drive Sleeve Method \$30.00/each
 - c. Sand Cone Method \$30.00/each

B. Concrete Quality Control, Inspection and Testing

1. **Mold, transport, cure and test all cylinders**
 - a. Up to 4 cylinders per set
(Including 1 slump test per set) \$95.00/set
 - b. Additional cylinders per set \$20.00/each
 - c. Concrete beams \$80.00/each
 - d. Extra slump test (ASTM C-143) \$15.00/each
 - e. Air content-Volumetric Method (ASTM C-231) \$20.00/each
 - f. Unit Weight and relative yield of fresh concrete \$20.00/each
2. **Evaluation of In-Place Hardened Concrete**
 - a. Obtaining and Testing Hardened-Concrete Cores
 - i. Coring \$175.00/hour
 - ii. Compressive Strength Testing (ASTM C-42) \$40.00/core
 - iii. Difficult Coring Locations – Quoted on Per Project Basis

3. Masonry Compressive Strength Tests

a.	Grout Prisms (3 per set)	\$85.00/set
b.	Mortar Cubes (3 per set)	\$75.00/set
c.	Concrete Block	\$55.00/block
d.	Concrete Block - Mortar Prisms (made by mason)	\$130.00/prism
e.	Engineering Technician Time To Pick Up Cylinders/samples, etc.	\$65.00/hour

C. Asphalt Mixtures

1.	Bitumen Extractions	\$90.00/each
2.	Graduations of Extracted Aggregates	\$60.00/each
3.	Marshall Stability (includes density, flow and stability of 3 specimens)	\$150.00/set
4.	Items 1, 2 and 3 above	\$295.00/set
5.	Field density and thickness determination	\$50.00/each
6.	Lab Density Testing	\$45.00/each
7.	Thickness Measurement	\$17.00/each
8.	Asphalt Cores 4" (2)	\$28.00/each
9.	Asphalt Cores 6" (2)	\$38.00/each

D. Structural Steel Inspection

1.	Field Engineer	\$125.00/hour
2.	Bolt Torque Testing	\$105.00/hour
3.	Ferrosan Steel Locator	
a.	Equipment Charge (1-day minimum)	\$175.00/day
b.	Operator	\$85.00/hour (3)
c.	Computer Printout	\$25.00/each

E. Other

1.	Crack Monitor Test	\$60.00/each (1)
2.	Dynamic Soil Penetrometer	\$75.00/hour
3.	Fire Proof Thickness Check	\$75.00/hour (3)
4.	Paint Thickness Inspection	\$75.00/hour (3)

5.	Pavement Base Material Cores (4")	\$35.00/each (2)
6.	Pavement Base Material Cores (6")	\$40.00/each (2)
7.	Roof Inspection	\$75.00/hour (3)
8.	Sample Pick Up	\$65.00/hour
9.	Soil Cement Pills	\$48.00/each (1),(2)
10.	Swiss Hammer Test	\$75.00/test
11.	In-place Concrete Moisture Testing	
	a. Relative Humidity Test	\$130.00/each
	b. Moisture Vapor Emission Rate Test	\$ 75.00/each
12.	Water Tests	
	Coliform	\$45.00/each (1)
	Chlorine	\$35.00/each (1)
	Turbidity	\$35.00/each (1)
	Weld NDT	\$75.00/hour (3)

Notes: (1) plus technician time
(2) minimum charge of 3 per site visit
(3) minimum charge of 2 hours per site visit

Remarks

- A. Additional Tests will be in accordance with regular rates and quoted upon request
- B. Cancellation without notice will be invoiced at the appropriate Representative's hourly rate (minimum of 2 hours)
- C. Overtime rate will apply for work conducted in excess of 8 hours per day or 40 hours per week or work before 7:00am or after 5:00pm during business days, Saturday, Sunday or company holidays at 1.4 times applicable technician normal unit time.
- D. Standby time during re-compaction, due to late arrival of concrete, etc. and concrete monitoring will be invoiced at the appropriate Representative's hourly rate.
- E. Soil Sample pick up and concrete cylinder pick up will be scheduled to coincide with other testing whenever possible; however, when not on site for other testing, sample pick up will be invoiced at the technician's hourly rate.
- F. Minimum charge of four-in-place density tests per trip.
- G. Hourly rates are portal to portal.