

Soils and Materials Testing and Engineering- Proposal Comparison

Soils and Materials Testing and Engineering
 Date: **May 13, 2013**
 Time: **11:00AM**

	<i>Testing Service Corp., Carol Stream, IL</i>	<i>CGMT, Inc., Elk Grove Village, IL</i>	<i>Material Service Testing, Inc., Chicago, IL</i>	<i>SEECO Consultants Inc., Tinley Park, IL</i>	<i>Interra, Inc., Bolingbrook, IL</i>	
	Unit Price					
Description: Personnel						
	(Per Hour)					
1	Material Tester I / Level 1 ACI, HMA Technician	\$120.00	\$75.00	\$89.00	\$97.00	\$92.00
2	Material Tester 2 / Level 2 PCC, HMA, Soil Technician	\$123.00	\$80.50	\$92.00	\$99.00	\$92.00
3	Prevailing Wage Administrator	\$0.00	\$35.00	\$28.00	\$100.00	\$95.00
4	Field Engineer	\$130.00	\$70.00	\$84.00	\$105.00	\$95.00
5	Staff (graduate) Engineer	\$120.00	\$80.00	\$88.00	\$95.00	\$95.00
6	Project Engineer or Materials Consultant, P.E.	\$130.00	\$90.00	\$109.00	\$110.00	\$135.00
7	Geotechnical Engineer	\$120.00	\$85.00	\$109.00	\$120.00	\$115.00
8	Principal Engineer	\$175.00	\$125.00	\$145.00	\$150.00	\$150.00
Description: Laboratory Services						
	(Per Test)					
Soils and Backfill						
1	Aggregate Gradation – Washed Sieve Analysis ASTM C 117	\$85.00	\$75.00	\$95.00	\$100.00	\$150.00
2	Aggregate Gradation – Mechanical Analysis ASTM C 136	\$65.00	\$65.00	\$155.00	\$90.00	\$135.00
3	Aggregate Gradation – Bulk Density & Voids ASTM C 29	\$110.00	\$40.00	\$55.00	\$125.00	\$110.00
4	Soils Gradation, Combined Sieve & Hydrometer	\$140.00	\$145.00	\$208.00	\$185.00	\$120.00
5	Atterberg Limits	\$65.00	\$85.00	\$155.00	\$95.00	\$100.00
6	Moisture-Density Relationship ASTM D 698	\$165.00	\$135.00	\$195.00	\$160.00	\$180.00
7	Moisture-Density Relationship ASTM D 1557	\$175.00	\$145.00	\$235.00	\$175.00	\$200.00
8	Illinois Bearing Ratio, w/Moisture-Density, AASHTO T 193 IL Modified	\$250.00	\$400.00	\$500.00	\$495.00	\$500.00
9	Unconfined Compressive Strength of undisturbed soil samples					
	Rimac (IDOT) Method	\$20.00	\$10.00	\$50.00	\$10.00	\$50.00
	Stress-Strain curve, ASTM D 2166	\$60.00	\$42.50	\$50.00	\$40.00	\$95.00
10	Moisture Content of Soil/Aggregate, ASTM D 2216/566	\$8.00	\$4.00	\$27.00	\$5.00	\$10.00
11	Total Organic Matter by Wet Combustion Method, AASHTO T 194	\$10.00	\$85.00	\$98.00	\$65.00	\$100.00
12	pH of Soil, ASTM D 4972	\$7.50	\$30.00	\$50.00	\$20.00	\$75.00
Concrete and Masonry						
1	Compressive Strength tests of concrete cylinders, including expendable supplies (molds), curing (pick-up additional)	\$16.25	\$14.00	\$24.00	\$15.00	\$23.00
2	Compressive Strength tests of concrete cylinders, including expendable supplies (molds), curing made by others (pick-up additional)	\$25.00	\$14.00	\$24.00	\$15.00	\$23.00
3	1. Compressive Strength of grout cylinders (3"x6") or mortar cubes (2"x2") including molds, supplies, curing (pick-up additional)	\$16.25	\$18.00	\$60.00	\$15.00	\$23.00
4	Strength of masonry units, prisms (pick-up additional)	\$30.00	\$45.00	\$190.00	\$50.00	\$200.00
Hot Mix Asphalt						
1	Theoretical Maximum Density	\$190.00	\$85.00	\$205.00	\$95.00	\$180.00
2	Asphalt Content by Reflux Extraction with Gradation	\$190.00	\$140.00	\$250.00	\$200.00	\$195.00
3	Asphalt Content by Ignition Oven with Gradation	\$190.00	\$130.00	\$160.00	\$185.00	\$180.00
4	Bulk Specific Gravity of Gyratory Specimen (set of two) and air voids	\$190.00	\$80.00	\$205.00	\$195.00	\$260.00
5	Tensile Strength Ratio, per mix	\$350.00	\$125.00	\$460.00	\$450.00	\$250.00
6	Core Density and Thickness, lab test	\$45.00	\$30.00	\$65.00	\$40.00	\$60.00
Field Sampling						
1	Mobilization of Core Rig and Personnel	\$450.00	\$125.00	\$300.00	\$150.00	\$200.00
2	Bituminous Pavement Core, 4" diameter, including 1 subgrade sample with water content, dry unit weight, patch hole	\$650.00	\$150.00	\$118.00	\$185.00	\$100.00
3	Concrete pavement Core, 4" diameter, including 1 subgrade sample with water content, dry unit weight, patch hole	\$650.00	\$150.00	\$262.00	\$260.00	\$150.00
4	Mobilization of Drill Rig and Personnel	\$1,000.00	\$450.00	\$600.00	\$200.00	\$500.00
5	Subgrade Soil Probe, 5 ft. deep, including sampling at 2.5' intervals with water content, dry unit weight	\$650.00	\$105.00	\$157.00	\$200.00	\$30.00
6	Subgrade Soil Probe, 10 ft. deep, including sampling at 2.5' intervals with water content, dry unit weight	\$750.00	\$195.00	\$314.00	\$383.00	\$25.00
Miscellaneous Services						
1	Provide Correlated Nuclear gauge on job site (daily flat fee)	\$35.00	\$35.00	\$75.00	\$56.00	\$30.00
2	Concrete cylinder pick (dedicated trip)	\$60.00	\$95.00	\$129.00	\$50.00	\$60.00
3	Phase One Environmental Site Assessment (Village utility repair/excavation stockpile)	\$2,400.00	\$1,500.00	TBD	\$1,200.00	\$2,250.00