

# Soils and Materials Testing and Engineering 2019-2021 - Proposal Comparison

Soils and Materials Testing and Engineering  
 Date: **March 8, 2019**  
 Time: **11:00AM**

\* Not IDOT Prequalified

	Geo Services Inc. Naperville, IL	Millenia Professional Services of IL Ltd., Downers Grove, IL	CGMT, Inc. Elk Grove Village, IL	SEECO Consultants Inc., Tinley Park, IL	NASHnal Soil Testing, LLC Plainfield IL	ECS Midwest, LLC Bridgeview IL	Geocon Professional Services, Frankfort, IL
	Unit Price (Per Hour)	Unit Price (Per Hour)	Unit Price (Per Hour)	Unit Price (Per Hour)	Unit Price (Per Hour)	Unit Price (Per Hour)	Unit Price (Per Hour)
<b>Description: Personnel</b>							
1 Material Tester 1 / Level 1 ACI, HMA Technician	\$100.00	\$101.00	\$77.50	\$109.00	\$85.00	\$98.00	\$108.00
2 Material Tester 2 / Level 2 PCC, HMA, Soil Technician	\$103.00	\$103.00	\$80.50	\$114.00	\$90.00	\$98.00	\$108.00
3 Prevailing Wage Administrator	\$60.00	\$65.00	\$35.00	No Charge	\$72.00	\$60.00	\$40.00
4 Field Engineer	\$105.00	\$115.00	\$70.00	\$115.00	\$85.00	\$115.00	\$110.00
5 Staff (graduate) Engineer	\$105.00	\$98.00	\$80.00	\$110.00	\$90.00	\$140.00	\$110.00
6 Project Engineer or Materials Consultant, P.E.	\$110.00	\$115.00	\$90.00	\$120.00	\$125.00	\$160.00	\$125.00
7 Geotechnical Engineer	\$165.00	\$115.00	\$85.00	\$130.00	\$90.00	\$160.00	\$155.00
8 Principal Engineer	\$175.00	\$180.00	\$125.00	\$170.00	\$110.00	\$205.00	\$185.00
	<b>\$923.00</b>	<b>\$892.00</b>	<b>\$643.00</b>	<b>\$868.00</b>	<b>\$747.00</b>	<b>\$1,036.00</b>	<b>\$941.00</b>
<b>Description: Laboratory Services</b>							
<b>Soils and Backfill</b>							
1 Aggregate Gradation – Washed Sieve Analysis ASTM C 117	\$105.00	\$130.00	\$75.00	\$110.00	\$90.00	\$125.00	\$50.00
2 Aggregate Gradation – Mechanical Analysis ASTM C 136	\$125.00	\$115.00	\$65.00	\$95.00	\$75.00	\$90.00	\$50.00
3 Aggregate Gradation – Bulk Density & Voids ASTM C 29	\$75.00	\$225.00	\$40.00	\$125.00	\$90.00	\$35.00	\$75.00
4 Soils Gradation, Combined Sieve & Hydrometer	\$125.00	\$165.00	\$140.00	\$190.00	\$140.00	\$225.00	\$225.00
5 Atterberg Limits	\$125.00	\$135.00	\$85.00	\$95.00	\$75.00	\$110.00	\$125.00
6 Moisture-Density Relationship ASTM D 698	\$200.00	\$175.00	\$135.00	\$180.00	\$140.00	\$225.00	\$175.00
7 Moisture-Density Relationship ASTM D 1557	\$225.00	\$195.00	\$145.00	\$190.00	\$165.00	\$240.00	\$225.00
8 Illinois Bearing Ratio, w/Moisture-Density, AASHTO T 193 IL Modified	\$475.00	\$225.00	\$400.00	\$500.00	\$365.00	\$600.00	\$300.00
9 Unconfined Compressive Strength of undisturbed soil samples							
Rimac (IDOT) Method	\$15.00	\$25.00	\$10.00	\$10.00		\$200.00	\$10.00
Stress-Strain curve, ASTM D 2166	\$55.00	\$150.00	\$45.00	\$30.00	\$90.00	\$300.00	\$10.00
10 Moisture Content of Soil/Aggregate, ASTM D 2216/566	\$7.50	\$9.00	\$4.00	\$5.00	\$8.00	\$12.00	\$10.00
11 Total Organic Matter by Wet Combustion Method, AASHTO T 194	\$125.00	\$150.00	\$85.00	\$85.00	\$65.00	\$60.00	\$45.00
12 pH of Soil, ASTM D 4972	\$25.00	\$18.00	\$30.00	\$25.00	\$65.00	\$60.00	
	<b>\$1,682.50</b>	<b>\$1,717.00</b>	<b>\$1,259.00</b>	<b>\$1,640.00</b>	<b>\$1,368.00</b>	<b>\$2,282.00</b>	<b>\$1,300.00</b>
<b>Concrete and Masonry</b>							
1 Compressive Strength tests of concrete cylinders, including expendable supplies (molds), curing (pick-up additional)	\$18.00	\$18.00	\$14.00	\$19.00	\$15.50	\$15.00	\$17.00
2 Compressive Strength tests of concrete cylinders, including expendable supplies (molds), curing made by others (pick-up additional)	\$15.00	\$16.00	\$14.00	\$19.00	\$15.50	\$15.00	\$17.00
3 1. Compressive Strength of grout cylinders (3"x6") or mortar cubes (2"x2") including molds, supplies, curing (pick-up additional)	\$15.00	\$35.00	\$18.00	\$20.00	\$15.50	\$15.00	\$18.00
4 Strength of masonry units, prisms (pick-up additional)	\$300.00	\$300.00	\$45.00	\$225.00	\$165.00	\$200.00	\$18.00
	<b>\$348.00</b>	<b>\$369.00</b>	<b>\$91.00</b>	<b>\$283.00</b>	<b>\$211.50</b>	<b>\$245.00</b>	<b>\$70.00</b>
<b>Hot Mix Asphalt</b>							
1 Theoretical Maximum Density	\$160.00	\$175.00	\$85.00	\$95.00	\$80.00	\$130.00	\$75.00
2 Asphalt Content by Reflux Extraction with Gradation	\$250.00	\$195.00	\$140.00	\$200.00	\$120.00	\$100.00	\$220.00
3 Asphalt Content by Ignition Oven with Gradation	\$250.00	\$195.00	\$130.00	\$190.00	\$120.00	\$150.00	\$95.00
4 Bulk Specific Gravity of Gyrotory Specimen (set of two) and air voids	\$325.00	\$150.00	\$80.00	\$200.00	\$80.00	\$650.00	\$100.00
5 Tensile Strength Ratio, per mix	\$325.00	\$500.00	\$125.00	\$450.00	\$160.00	\$270.00	\$500.00
6 Core Density and Thickness, lab test	\$40.00	\$35.00	\$30.00	\$45.00	\$40.00	\$100.00	\$55.00
	<b>\$1,350.00</b>	<b>\$1,250.00</b>	<b>\$590.00</b>	<b>\$1,180.00</b>	<b>\$600.00</b>	<b>\$1,400.00</b>	<b>\$1,045.00</b>
<b>Field Sampling</b>							
1 Mobilization of Core Rig and Personnel	\$300.00	\$150.00	\$125.00	\$175.00	\$250.00	\$500.00	\$350.00
2 Bituminous Pavement Core, 4" diameter, including 1 subgrade sample with water content, dry unit weight, patch hole	\$275.00	\$250.00	\$150.00	\$200.00	\$50.00	\$250.00	\$250.00
3 Concrete pavement Core, 4" diameter, including 1 subgrade sample with water content, dry unit weight, patch hole	\$350.00	\$250.00	\$150.00	\$225.00	\$50.00	\$275.00	\$290.00
4 Mobilization of Drill Rig and Personnel	\$550.00	\$750.00	\$450.00	\$175.00	\$1,200.00	\$650.00	\$350.00
5 Subgrade Soil Probe, 5 ft. deep, including sampling at 2.5' intervals with water content, dry unit weight	\$275.00	\$250.00	\$105.00	\$200.00	\$40.00	\$137.50	\$275.00
6 Subgrade Soil Probe, 10 ft. deep, including sampling at 2.5' intervals with water content, dry unit weight	\$500.00	\$395.00	\$195.00	\$400.00	\$80.00	\$250.00	\$400.00
	<b>\$2,250.00</b>	<b>\$2,045.00</b>	<b>\$1,175.00</b>	<b>\$1,375.00</b>	<b>\$1,670.00</b>	<b>\$2,062.50</b>	<b>\$1,915.00</b>
<b>Miscellaneous Services</b>							
1 Provide Correlated Nuclear gauge on job site (daily flat fee)	\$35.00	\$45.00	\$35.00	\$30.00	\$45.00	\$45.00	\$45.00
2 Concrete cylinder pick (dedicated trip)	\$125.00	\$75.00	\$95.00	No Charge	\$65.00	\$75.00	\$220.00
3 Phase One Environmental Site Assessment (Village utility repair/ excavation stockpile)	\$2,700.00		\$1,000.00	\$1,200.00	\$1,100.00	\$4,100.00	\$2,000.00
	<b>\$2,860.00</b>	<b>\$120.00</b>	<b>\$1,130.00</b>	<b>\$1,230.00</b>	<b>\$1,210.00</b>	<b>\$4,220.00</b>	<b>\$2,265.00</b>