

GEOTECHNICAL TESTING LABORATORY(847) 844-1895 f(847) 844-3875 office@msetinc.com**SCHEDULE OF SERVICES & FEES****LABORATORY SERVICES**

Classification of Soils for Engineering Purposes (ASTM D 2487) (Requires Grain Size Analysis and Atterberg Determination)	\$ 10.00/test
Moisture Content Test (ASTM D 2216) (Above test charged when not part of other test method)	\$ 6.00/test
Unconfined Compressive Strength (RIMAC)	\$ 15.00/test
Unconfined Compressive Strength (ASTM D 2166), with curve	\$ 45.00/test
Particle Size Analysis of Fine & Coarse Aggregates (ASTM C 136)	\$ 65.00/test
Particle Size Analysis of Sieve and Wash Method (ASTM C 136 & D 1140)	\$ 75.00/test
Particle Size Analysis of Soils by Combined Analysis (ASTM D 422)	\$ 95.00/test
Particle Size Analysis of Large Aggregate, PGE, Rip Rap, etc.	\$ 150.00/test
Atterberg Limits Determination (ASTM D 4318)	\$ 85.00/test
Shelby Tube, 3inch diameter	\$ 65.00/each
Shelby Tube Handling, Extruding, Visual Classification & Preparation	\$ 30.00/tube
Density Determination on Shelby Tube or Split Spoon Specimen Includes Moisture Content (ASTM D 2937)	\$ 15.00/test
Specific Gravity Test, Fine Grained Sample (ASTM D 854)	\$ 75.00/test
Organic Content, by Wet Combustion Method (AASHTO T 194)	\$ 90.00/test
Organic Content, by Loss on Ignition Method (D 2974)	\$ 80.00/test
Soil pH (ASTM D 4972)	\$ 30.00/test
Soil Resistivity – soil box (ASTM G 187)	\$ 250.00/test
Topsoil Qualification Testing (IDOT, ISTHA) Grain size, atterberg, Total Organic Matter, pH	\$ 260.00/samp.
Topsoil Qualification w/ Fertilizer Recommendations	\$ 315.00/samp.
Resistance to Degradation by Abrasion and Impact in L.A Abrasion (C 131)	\$ 325.00/test
Aggregate Soundness, (5 cycle Sodium Sulfate) (ASTM C 88, AASHTO T 104)	\$ 385.00/test
Lightweight & Deleterious Particles in Aggregate (AASHTO T 113, ITP 103)	\$ 250.00/test
Index Properties of Soils (Requires Combined Analysis) Effective Grain Size Uniformity Coefficient Coefficient of Curvature	\$ 20.00/samp.
Weight-Volume Relationships of Soils includes Specific Gravity, Porosity, Void Ratio, Degree of Saturation, Density and Moisture Content	\$ 115.00/samp.
Moisture Density Relationships (Proctors) Standard proctor (ASTM D 698, AASHTO T 99)	\$175.00/each
Modified Proctor (ASTM D 1557, AASHTO T 180)	\$195.00/each
Bearing Ratio Determination (AASHTO T 193 IL Modified) includes MDR	\$ 325.00/each

Permeability Tests - By Triaxial Back Pressure Saturated Method (ASTM D 5084)		
Tube Sample (2" or 3" nominal diameter)		\$ 315.00*/test
Asphalt Pavement, 4"		\$ 325.00/test
Remolded Bulk Sample		\$ 330.00/test
<i>Notes: *Add tube handling/preparation charge (25.00) where applicable. #Tests run at low gradient ($i < 5$) quoted upon request.</i>		
Permeability Tests (By Falling Head Method, coarse grained samples only)		
Prepared sample from Bulk or Shelby Tube (U.S. Army Corp of Engineers, Engineer Manual, EM 1110-2-1906, Appendix VII)		\$ 250.00/test
Permeability Tests (By Constant Head Method, coarse grained samples only)		
Prepared sample from Bulk or Shelby Tube (ASTM D 2434)		\$ 250.00/test
(All Permeability Tests quoted above assume using Tap water as permeant, tests using other liquids or leachate quoted on individual basis)		
Consolidation Properties of Soils (2-1/2" Dia. Specimen)		
Regular Load Increments to 16 tsf		\$ 450.00/test
Additional Unload-Reload Cycle		\$ 75.00/cycle
Plots of Time Rate of Curves, Per Load Increment		\$ 50.00/each
Direct Shear, Fast- Sand sample (ASTM D 3080)		\$ 330.00/Mohr Circle
Direct Shear Interface (ASTM D 5321)	0.20 in/min	\$ 330.00/ Mohr Circle
	0.04 in/min	\$ 380.00/ Mohr Circle
	0.004 in/min	\$ 480.00/ Mohr Circle
Direct Shear Geosynthetic Clay Liner, GCL (ASTM D 6423)	0.20 in/min	\$ 330.00/ Mohr Circle
	0.04 in/min	\$ 380.00/ Mohr Circle
	0.004 in/min	\$ 480.00/ Mohr Circle
Triaxial Testing (2.8" Nominal Diameter Sample)		
Unconsolidated, Undrained (ASTM D 2850)		\$ 250.00/Mohr Circle
Consolidated, Undrained, w/ Pore Pressure Measurements (ASTM D 4767)		\$ 450.00/Mohr Circle
<i>Note: Minimum three (3) Mohr Circle per test.</i>		
Mix Design * (varies by state specification bid)		(estimated)
Lime/Flyash/Cement Modification Mix Design, IDOT Method A		\$ 2,800.00 /design
Lime/Flyash/Cement Stabilization Mix Design, IDOT Method B		\$ 2,800.00 /design
Lime/Flyash/Cement Stab/Mod Mix Design, ORD/MDW		\$ 3,000.00 /design
Full Depth Reclamation Mix Design, IDOT FDR w/ cement		\$ 2,800.00 /design
Cold In Place with Emulsion Mix Design		\$ 7,000.00 / design
Cold In Place with Foamed Asphalt Mix Design		\$ 15,500.00 / design
<ul style="list-style-type: none"> • Sample collection extra charge 		

GENERAL REMARKS

(Handling and preparation of contaminated samples may be subject to additional charges, depending on the time and equipment needed. All Hazardous Samples will be returned to the client after testing for ultimate disposal.) Services and fees not listed above will be quoted upon request.

Unit Rate Tests listed above are applicable to samples delivered to our location. Pickup of samples at remote locations in the Chicago Area available at \$75.00 each.

RUSH test requests will be charged up to 1.50 times the quoted rate.

Invoices will be submitted once a month for services performed during the prior month.

The prices listed above include the report distributed and mailed in accordance with client's instructions.