

Great Lakes Testing



Your leader in soil testing





About Us

GLT Midwest is an AASHTO Accredited physical soils laboratory centrally located in the Midwest with experienced technicians serving construction projects nationwide.

We are committed to delivering our clients with accurate testing results in a timely manner and specialize in a wide range of construction materials, such as aggregate, asphalt, masonry, soils, spray-on fire coatings, and concrete. Our online portal provides clients with test results in real-time and the ability to efficiently manage multiple orders in a single digital dashboard.

Our lab is capable of performing the following testing services:



Atterberg Limits



Sieve Analysis



Perm Remolding



Standard & Modified Proctors



Expedited Triaxial Permeability



Falling & Constant Head Permeability

Our Services

Aggregate Services

- + Course Aggregate Sieve Analysis
- + Fine Aggregate Sieve Analysis
- + Sulfate Soundness Test on Aggregate
- + Unit Weight / Specific Gravity
- + Compression Tests Natural Stone
- + Clay Lumps & Friable Particles
- + Deleterious Materials (various)

Spray-on Fire Coatings Services

- + Field Thickness Measurements
- + Adhesion / Cohesion
- + Density
- + Ash Content

Asphalt Services

- + Asphalt Extraction and Gradation
- + Asphalt Coring

Masonry Services

- + Compression Test on Mortar Cubes
- + Compression Test on Grout Samples
- + Compression Test on Masonry Prism
- + Brick Moisture, Absorption Test
- + Brick Comparison Test
- + CMU Moisture, Absorption, Weight Test
- + CMU Compression Tests

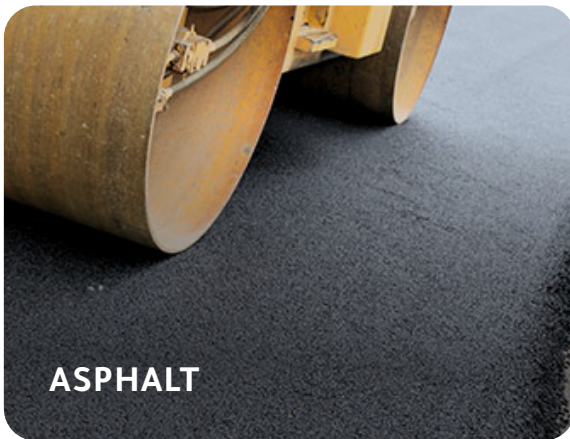
Concrete Services

- + Compressive Strength if Concrete Cylinders
- + Compressive Strength of High Strength Concrete
- + Split Tensile Strength of Concrete Cylinders
- + Compression Test on Concrete Core Sample
- + Lab Testing of Aggregate for Mix Designs
- + Air Content
- + Concrete Slump
- + Flowable Fill (CLSM)
- + Flexural Strength
- + Concrete Floor Fastness Testing
- + Unit Weight / Light Weight

Soils Services

- + Atterburg Limits (Liquid & Plastic)
- + Bearing Ratio of Lab-compacted Soils
- + Cohesive Soils, Failure Stress at Max Strain
- + Triaxial, Falling Head, and Constant Head Permeability Testing
- + Moisture-Density Relation of Soil (Std. / Mod.)
- + Nuclear / Sand Cone Field Density Testing
- + Partical Size Analysis of Soils
- + Specific Gravity of Soils
- + Unconfined Compressive Strength of Soil
- + One-dimensional Conolidation Testing
- + Triaxial Compressive Strength Testing
- + Lab Determination of Moisture Content
- + Moisture, Ash, and Organic Content
- + Visual Classification
- + Direct Shear Testing of Soils

We are an AASHTO Accredited Lab for Construction Materials Testing



Great Lakes Testing
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Visit our online portal to
place your order at
www.gltmidwest.com