SERVICES

Soil, Rock, and Geosynthetic Testing Services

GeoTesting EXPRESS
A Sercel Business

GeoTesting Express automation lab / geotesting.com

Geotechnical Testing

GeoTesting Express (GTX) provides state-of-the-art testing facilities to measure the mechanical and physical properties of soil, rock, geosynthetics, aggregate, concrete, and other geo-materials. We utilize industry best practices and advanced testing equipment to provide fast, accurate results for our clients.

Why Choose GeoTesting Express?

When you choose GTX, you choose the highest quality and fastest testing turnaround time in the industry. Working closely with our clients, we provide expert field and laboratory testing services to provide the best overall value to any project team.

- **Fast Turnaround** - Industry-leading turnaround times for prompt results.
- **Unmatched Quality** - Accredited labs delivering precise, reliable results.
- **Expertise You Can Trust** - Recognized leaders with top-tier technical staff.
- **Comprehensive Services** - The widest range of testing capabilities available.
- **Scalable Solutions** - Equipped to manage projects of any size, on time.
- **Trusted Reputation** - The go-to lab for exceptional value and reliability.

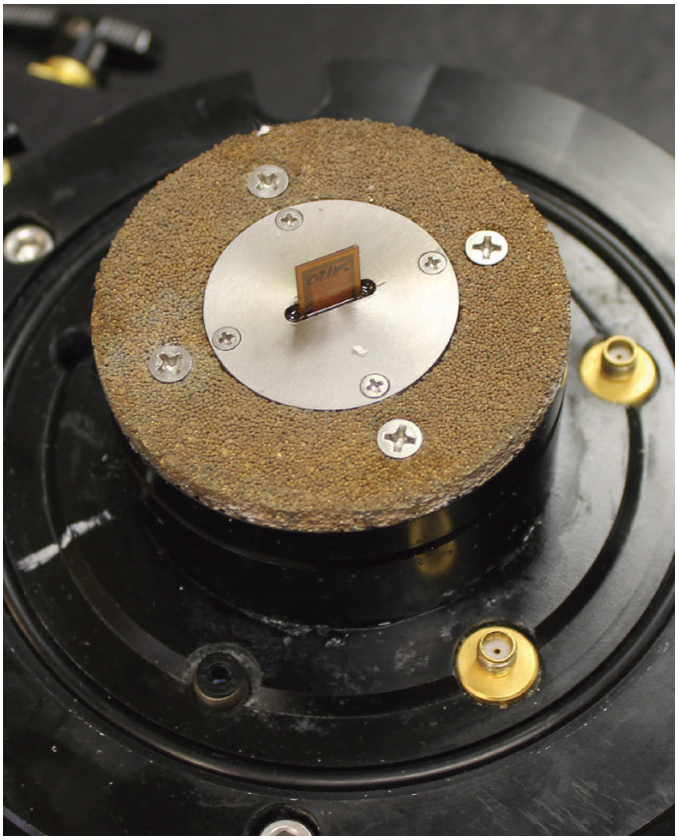
ACCREDITED

GAI-LAP

AASHTO ACCREDITED

NQA-1 Compliant

Validated by the U.S. Army Corps of Engineers

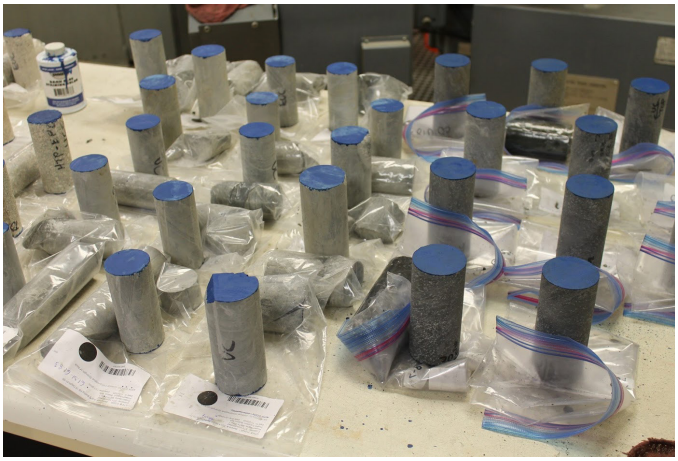


Soil testing bender element triaxial cell

Testing Across Multiple Sectors

GTX delivers supporting evidence with complete test data, ensuring that clients can maintain safety and integrity across diverse projects.

- Wind Farms
- Dams & Levees
- Bridges
- Deep Foundations
- Buildings
- Tunnels
- Mines
- Railways



Rock sample testing

GeoTesting EXPRESS
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Soil

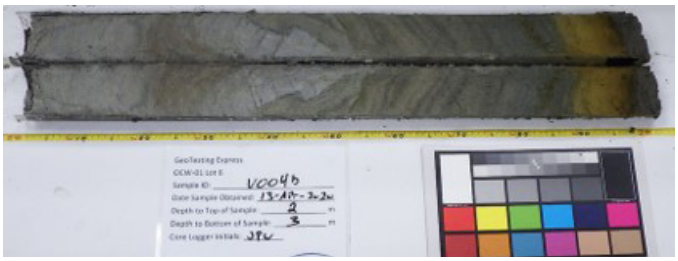
We provide soil testing services for all types of earthwork applications. Our laboratories perform more than 100 standard soil tests according to the appropriate American Society for Testing and Materials (ASTM), American Association of State Highway and Transportation Officials (AASHTO), International Organization for Standardization (ISO) and the United States Army Corps of Engineers (USACE) standards. Our automated testing equipment and experienced staff allow us to provide rapid, high-quality test results, measuring strength, compressibility and permeability of soils.

Rock

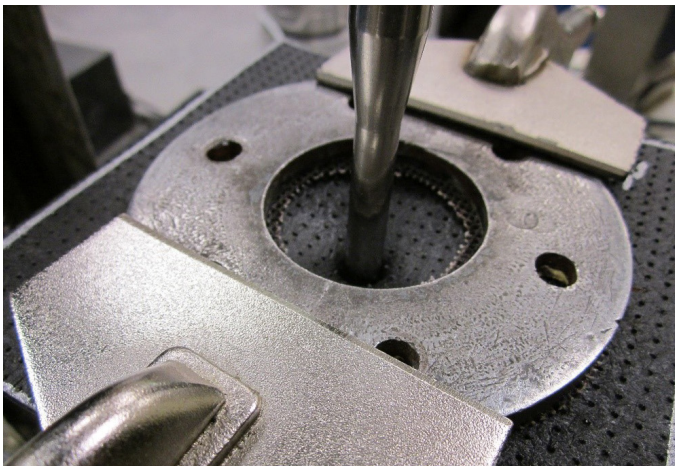
Performing a full range of rock tests, we prepare and test specimens in-house, servicing geotechnical, tunneling, mining, and excavation projects. We can prepare test specimens from cobbles, boulders, blocks, or cores with our equipment. Utilizing state-of-the-art automated testing equipment, GTX can perform high-end strength testing of rock and drillability by determining its brittleness, surface hardness, and wear capacity.

Reliable. Trusted. Value-driven. Innovative.

For more than 40 years, Geocomp has been a trusted partner in advising clients on risk identification and mitigation.



Offshore soil sample



Geosynthetics pin puncture test

Geosynthetics

GTX performs more than 85 standard geosynthetic tests according to the appropriate Geosynthetic Research Institute (GRI), Federal Test Method Standard (FTMS), ASTM , and ISO standards. Our accredited laboratories work 24/7 to provide the most responsive service in the industry for geosynthetics. We offer in-house and on-site sampling of geosynthetic materials for landfills, MSE walls, berms, slopes, and more.

EXAMPLE PROJECTS

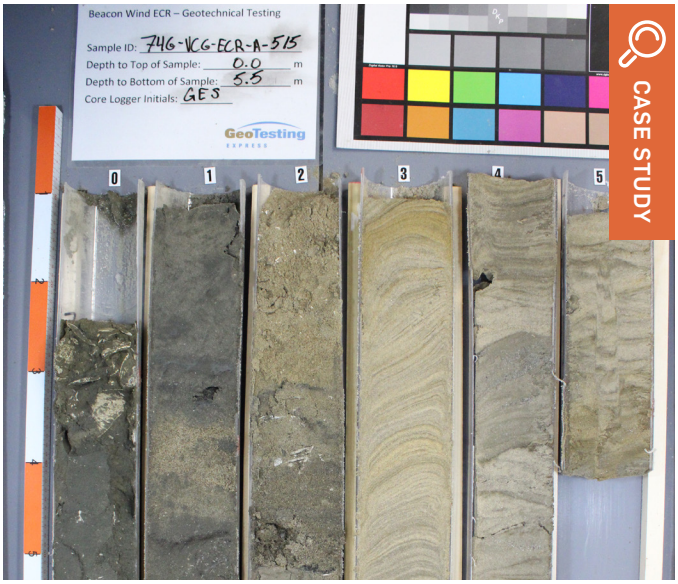
Access to Regions Core (NJ)
Baltimore Red Line (MD)
Beacon Wind (MA)
Catskill Aqueduct (NY)
Compressed Cold Gas (NY)
Nuclear Site (MD)
Hampton Roads (VA)
Isabella Dam (CA)
MTA Purple Line (MD)
Nuclear Power Plant (Europe)
Pownal Tannery (VT)
Pueblo Viejo Gold Mine (DR)
Quarry Hills (MA)
Rocky Mountain Arsenal (CO)
Safe Harbor (PA)
Salt Waste Facility (SC)
Samra Sludge (Jordan)
Sonatrach Loading Buoys (Algeria)
South Hartford Tunnel (CT)
Tren Urbano (Puerto Rico)
Woodrow Wilson Bridge (D.C.)

Experience you can trust

At GeoTesting Express, we pride ourselves on being trusted experts in geotechnical testing. With decades of experience, our team delivers precise, reliable data that informs critical infrastructure projects. From soil and rock testing to advanced lab and field services, we provide clients with the insights they need to make informed decisions. Our commitment to accuracy, innovation, and quality assurance makes us the go-to trusted partner.

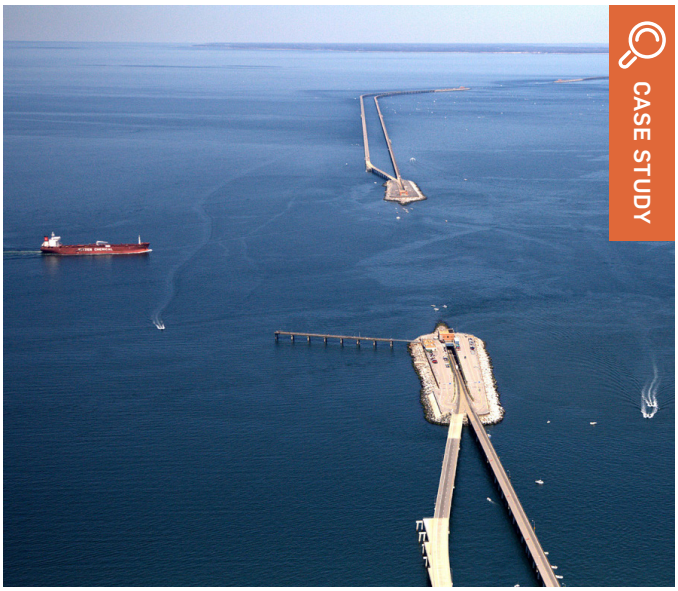
Beacon Wind Offshore Project

GeoTesting Express (GTX) provided comprehensive geotechnical laboratory testing services on more than 1,000 meters of vibracore soil samples for the proposed export cable route (ECR) that would transport energy from an offshore substation to the substation on shore. In addition to testing, GTX handled sample pickup and transportation from various locations in New England and provided the client access to laboratory space for core splitting and log preparation. The testing program included index/classification, corrosion, and strength tests, such as moisture content, pH, grain size, and triaxial tests. GTX efficiently processed over 1,000 samples in-house, completing more than 4,000 tests within the client's required schedule.



Hampton Roads Bridge/Tunnel

The Hampton Roads Bridge-Tunnel (HRBT) Expansion, a $3.8 billion project and the largest in Virginia's history, aimed to reduce congestion on one of the region's busiest corridors by adding twin two-lane tunnels west of the existing eastbound tunnel. The expansion also included 14,000 feet of new marine bridges and the reconstruction of over a dozen bridge structures, enhancing emergency evacuation, safety, and capacity. GeoTesting Express (GTX) supported the project by providing rapid turnaround on hundreds of samples for the client, coordinating a prioritized testing program to meet client needs. GTX conducted various tests, including triaxial, direct shear, and swell testing, following VDOT guidelines, and issuing weekly results.



Geocomp provides cutting-edge solutions leveraging the latest technological advancements to help clients achieve their goals.
To learn more visit geocomp.com

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