



QUICK STATS

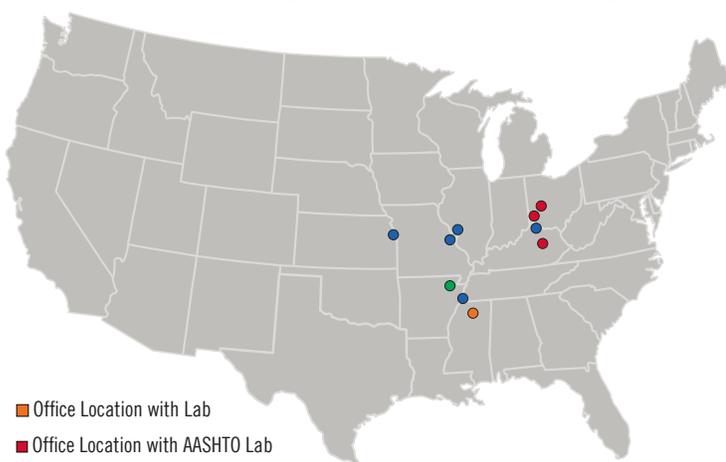
- Over 215 Employees
- 38 Professional Engineers
- 10 Environmental Scientists
- 13 Registered/Professional Geologists
- 3 Geophysicists
- OSHA recordable incident rate nearly 70% less than our industry's average
- Serving clients in the Midwest and Midsouth since 1984
- 20 exploration rigs plus our Cone Penetrometer Testing (CPT) rig, GeoProbe 3230 Combo rig, GeoProbe 7822DT Combo rig and Terra Sonic 1500CC Sonic Drill services through Geotechnology Exploration, LLC
- See our map below for our laboratory locations and accreditations/validations

Geotechnology, LLC is a limited liability company founded in 1984. Our Corporate Headquarters is in St. Louis and our locations in Overland Park, Kansas; and Fairview Heights, Illinois allow us to effectively serve clients in the Central Region of the country. Other locations include: Erlanger and Lexington, Kentucky; Cincinnati and Dayton, Ohio; Memphis, Tennessee; Oxford, Mississippi and Jonesboro, Arkansas.

Geotechnology acquired Memphis-based Hall, Blake & Associates in 2010, EOI - Illinois in 2013 and Thelen Associates, Inc. with offices in Ohio and Kentucky in 2015, expanding our geographic service area and enhancing the services we can provide our clients to include a comprehensive range of consulting services in applied earth and environmental sciences; exploration; geotechnical engineering; underground consulting services; soils, rock, and construction materials testing; non-destructive testing; special inspections; geophysics and deep foundation testing. Technical expertise, thorough knowledge of regulations, and strong management capabilities form a solid foundation for resolution of the most complex and challenging engineering issues. Geotechnology joined Universal Engineering Sciences, LLC, headquartered in Orlando, Florida, in 2021 as their Midwest Division, giving us the additional resources and availability required to expand our reach further and the capability to assist clients nationwide.

Geotechnology focuses on providing the professionals and resources that best fit our client's goals and are necessary to successfully accomplish their projects. This approach allows us to provide more flexibility to our schedule, develop cost efficiencies and better manage day-to-day processes and challenges on site. In addition to over 215 associates and ten offices, Geotechnology makes capital investments to provide responsive services. This includes a fleet of 20 exploration rigs through Geotechnology Exploration, LLC (a single member limited liability company founded in 2020), our comprehensive USACE validated and AASHTO-approved construction materials and QA/QC soils testing laboratories, and our own non-destructive testing and geophysical equipment.

LABORATORIES & CERTIFICATIONS



- Office Location with Lab
- Office Location with AASHTO Lab
- Office Location with USACE Lab
- Office Location with AASHTO/USACE Lab

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Geotechnology At A Glance continued

ONE-STOP-SHOP

Our goal is to understand the client's business so they can rely on one firm for an integrated package of services from environmental due diligence through construction materials testing. We want to be with you from the ground up. With a large staff, fleet of drill rigs, soils and materials laboratories and expertise that includes geophysics, steel testing and natural systems permitting we can control a project's schedule and quality.

UNCOMPROMISING SERVICE

Comprehensive and diverse services are fundamental elements in our business, and we work diligently to satisfy project demands and exceed client expectations. Each of our service groups provides a customized service plan that addresses the unique needs of the client's project. We have distinguished ourselves in the industry through our responsiveness, expertise, and knowledge of our client's business objectives. As a result we provide professionally designed, well-executed plans that keep projects on schedule and within budget.

SAFETY

Geotechnology is committed to the health and safety of its employees as evidenced by the accomplishments of our technical groups throughout the company. Our OSHA recordable incident rate is nearly 70% less than our industry's average. Geotechnology is a proud member of the National Safety Council.



GEOTECHNICAL SERVICES:

- Site Evaluation
- Seismic Site Assessment & Earthquake Engineering
- Subsurface Exploration
- Foundation Engineering
- Excavation & Shoring
- Mining and Underground Development Consultation
- Tunnel Exploration
- Building Distress Evaluation
- Soil, Rock & Materials Laboratory
- In-situ Soils Testing & Instrumentation
- Groundwater Pumping Tests
- Pavement Design
- Slope Stability
- Settlement Monitoring
- Plate Load Testing

ENVIRONMENTAL SERVICES:

- Remedial Investigations & Feasibility Studies
- Remedial Design & Construction Observation
- Brownfields Program Management
- Landfill Permitting
- Hazardous Waste Management
- Environmental Compliance & Auditing
- Underground Storage Tank (UST) Management
- Groundwater Modeling/Monitoring
- Wetland Assessment & COE Permitting
- Threatened & Endangered Species Habitat Surveys
- Phase I & II Environmental Site Assessments
- Asbestos, Lead, HHW & Mold Management
- Geology/Hydrogeology
- NEPA Environmental Assessments

DEEP FOUNDATION TESTING:

- Static Load Tests
- Crosshole Sonic Logging
- Downhole Camera Observation
- High-Strain Dynamic Testing
- Low-Strain Integrity Testing

CONSTRUCTION MATERIALS TESTING SERVICES:

- Concrete Testing – Field Services
- Concrete Testing – Laboratory Services
- Asphalt Testing
- Soil Testing
- Steel Testing
- Fireproofing
- Paint Thickness
- Roofing Materials
- Plastic Pipe & Reinforced Concrete Pipe
- Special Inspections as per IBC

GEOPHYSICAL SERVICES:

- Geologic Profiling & Mapping
- Karst, Mine & Seepage Investigations
- Crosshole/Downhole & Surface Seismic Shear Wave Surveyings
- Downhole Geophysical Logging
- Subsurface Utility Engineering (SUE)
- Pavement Analysis
- Steel & Conduit Mapping in Concrete
- Void Mapping
- UST, Buried Debris & Foundation Locating
- Vibration Monitoring
- Surface & Borehole Geophysics

GEOTECHNOLOGY EXPLORATION, LLC SERVICES:

- Foundations & Earthen Structures
- Materials Exploration & Evaluation
- Aquifer Testing
- Resource Exploration
- Grouting
- Soil Sampling, Rock Coring & In-Situ Testing
- Soil & Groundwater Contamination Assessment
- Instrumentation Installation
- Floating Platform Drilling
- Monitoring & Recovery Well Installation & Decommissioning
- Cone Penetrometer Testing (CPT)

Missouri Department Of Transportation - MoDOT

Geotechnology, LLC has provided geotechnical engineering, geophysics, construction observation and materials testing, environmental engineering and drilling services on a large number of road and bridge projects across Missouri as both a prime and sub-consultant on MoDOT projects as well as projects for Transportation Departments in the states of Illinois, Kansas, Arkansas, Tennessee, Alabama, Mississippi, Oklahoma, Louisiana, Kentucky, Ohio and Minnesota. These services have included:

- Design-build capabilities to provide geotechnical engineering support during procurement, design, and construction on transportation infrastructure projects and familiarity with the design-build method of delivery.
- Geotechnical design projects involving interstate overcrossings and construction services related to deep foundation testing (i.e. drilled shafts and driven piles) for new bridge and existing bridge rehabilitation projects.
- Subsurface Utility Engineering Quality Levels D, C, B and A including record searches, site reconnaissance, geophysical surveys, and vacuum excavation (a drilling technique using high pressure air and vacuum to remove soil without harming subsurface structures), all combined with land surveying, and GIS to produce a final map depicting locations of identified utilities.
- Geophysical surveys and analyses related to proposed roadway alignment geology including karst and mine subsidence; structural condition of existing bridge support systems, bridge subsidence investigations and analyses, and investigation of pavement subgrade systems including the potential presence of voids.
- Quality Management Services oversight of all facets of project quality control from chairing pre-activity meetings, arranging quality control testing, performing follow-up site observations, checking delivered materials, noting and documenting resolution of deficiencies and general management of the quality control documentation between the general contractor and MoDOT representatives.
- Materials testing services for new and existing asphalt and concrete pavement, including concrete and asphaltic concrete mix design; verification of aggregate quality and compaction testing; slump and air content testing; compressive strength testing of samples; flexural strength testing of beams and structural components; testing of welded and bolted connections; and developing temperature models to predict temperature variations on main bridge cast-in-place elements in order to control cracking. The laboratories are certified and approved by AASHTO, and the U.S. Army Corps of Engineers. AASHTO certifications listed in the AAP Directory of Accredited Laboratories include testing procedures for Hot Mix Asphalt, Soil, Aggregate, and Portland Cement Concrete.
- Environmental assessments, NEPA assessments, threatened and endangered species studies, asbestos and lead-based paint surveys, waste characterization, disposal permitting, and underground storage tank management related to proposed roadway alignments.
- Water resource management including wetlands consulting, delineation and permitting (under Sections 401 and 404 of the Clean Water Act).
- Drilling, sampling, laboratory testing, and engineering analyses to develop foundation and site design parameters for proposed roadway alignments, new and existing bridge structures, renovation and repair of existing pavements, new asphalt and concrete pavements, and seismic retrofit evaluations of existing bridge structures.