Confronted with both “clean” and environmentally-challenged sites, TRC employs proven and innovative investigative techniques to determine your site’s subsurface complexities.

TRC’s geotechnical and geological professionals provide you with a “window to the underground” that helps you take a proactive approach to project planning and design. Our experts analyze the physical and structural properties of soil and rock, then formulate an effective plan of action for you to successfully build on and within those materials. Typical services include:

Our valued service offerings include:

**ENGINEERING**
- Foundation investigations
- Geotechnical site assessments
- Earthquake engineering
- QA/QC field inspection / testing
- Liquefaction analysis
- Pavement evaluation and design
- Slope stability studies
- Site stabilization/ground modification programs
- Levee evaluation
- Claims / litigation support
- Soil and rock mechanics
- Fault investigations
- Air photo analysis

**SPECIALIZED ANALYSIS**
- Pile Dynamic Analysis testing
- CAPWAP and WEAP pile analysis
- Vibration monitoring

**DRILLING (Test Borings)**
- Earth drilling and sampling
- Rock coring (N or H sizes)
- Instrumentation installation
- Pavement / slab coring
- In-situ testing
- Well installation (up to 4” OD)

**LABORATORY TESTING**
- Visual and laboratory classification
- Permeability tests
- Direct shear tests
- Triaxial shear tests
- Unconfined compression tests
- Consolidation tests
- Compacting testing
- Determination of moisture-density relationships
Why TRC?

- In-house drilling and laboratory testing capabilities facilitate cost control, enhance schedule flexibility, and ensure sample integrity.
- With decades of experience in the geotechnical field, TRC can leverage the benefits of lessons learned across a broad spectrum of project applications.

TRC was retained to conduct a comprehensive geotechnical investigation and evaluation for a new 167-acre marine terminal on the Delaware River in NJ.

TRC provided geotechnical consulting for the $800 million I-10 replacement bridges over Lake Pontchartrain near New Orleans, LA in the wake of hurricane Katrina.

Traditionally, a compaction grouting program was used by TRC to mitigate the potential for liquefaction-induced settlement at the site of this Police Headquarters addition in Santa Clara, CA.

TRC executed a geotechnical investigation for an $80 million section of WV Route 10 in Logan County, WV that required large rock cuts through mountainous terrain.

LARGE DEVELOPERS / CORPORATIONS
- Avalon Bay Communities
- Bristol Myers Squibb
- Intel
- Merck & Co. Pharmaceuticals
- Millennium Hotels and Resorts
- Pulte Homes
- Toll Brothers
- Wal-Mart
- Western Digital
- Yahoo!

EDUCATION / HEALTHCARE
- Children’s Hospital of Philadelphia
- County of Santa Clara Valley Health Care Centers
- Drexel University (PA)
- Santa Clara University (CA)
- Stanford University
- University of Pennsylvania

MAJOR UTILITIES
- Calpine Energy Corporation (CA)
- Pennsylvania Power and Light
- Public Service Electric and Gas (NJ)
- Sunpower Corporation (CA)

GOVERNMENT AGENCIES
- LA Dept. of Transportation & Development
- NJ Dept. of Transportation
- San Jose Redevelopment Agency
- Santa Clara Valley Water District
- SC Dept. of Transportation
- U.S. Army Corps of Engineers
- VA Dept. of Transportation
- WV Division of Highways

About TRC

A pioneer in groundbreaking scientific and engineering developments since the 1960s, TRC is a national engineering, consulting and construction management firm providing integrated services to the power, oil and gas, environmental and infrastructure markets. We serve a broad range of clients in government and industry, implementing complex projects from initial concept to operations. TRC delivers results that enable clients to achieve success in a complex and changing world.

TRC includes over 4,000 technical professionals and support personnel in more than 120 offices throughout the U.S. Our clients depend on TRC’s multidisciplinary teams to design solutions to their toughest business challenges.

Nationally, TRC can leverage the expertise of more than a dozen geotechnical and geologic professionals, many of whom possess advanced degrees in the geotechnical field. During construction, more than two dozen field engineering technicians provide oversight of the contractor’s activities to ensure the proper implementation of recommendations in the field.

In support of our professional staff, we regionally operate sixteen (16) drill rigs (track-, truck-, skid- and ATV-mounted applications) that can mobilize in all types of land- and water-based situations, including navigable waterways, streams, mountainous terrain and marsh-like soils. Our soils and concrete laboratory is AASHTO/ASTM-accredited, while Instantel® seismographs and PAK Model Pile Driving Analyzers® facilitate our delivery of reliable vibration monitoring and pile testing results as a compliment to our geotechnical engineering staff.