

GEOTECHNICAL ENGINEERING

Triad was originally formed in 1975 as a geotechnical engineering firm, and our expertise in this discipline is superior. The combined education and professional experience of our staff provides our clients with cost-effective and practical solutions for the most difficult soil, rock and groundwater problems. Our clients include industrial and mining companies, governmental agencies, contractors, architects, engineers, developers, owners and commercial organizations. Geotechnical projects have included investigations for hospitals, churches, hotels, schools, shopping centers, communication towers, wind turbines, water and petroleum product storage tanks, coal and mineral processing facilities, landslides, bridges and highways, parks and recreation facilities, river docks and impoundments of all types.



Our Geotechnical Engineering Services Include:

- Shallow and Deep Foundation Evaluation and Recommendations
- Landslide Analysis and Remedial Design
- Slope Stability Analysis
- Earth and Earth/Rock Dam Evaluation and Design
- Mine Subsidence Studies
- Flexible and Rigid Pavement Evaluation and Design
- Groundwater and Seepage Analysis
- Shored and/or Braced Excavation Evaluation
- Foundation Underpinning Recommendation
- Forensic Studies
- Expert Witness Testimony
- Hydrogeologic Studies
- Fracture Trace Analysis
- Karst Studies
- Geophysical Explorations (2-Dimensional Electrical Resistivity Imaging, Ground Penetrating Radar (GPR) Testing)
- Laterally Loaded Pile Analysis
- Pile Driveability Studies
- Seismic Site Analysis
- Geotechnical Explorations (Soil, Rock)
- Geotechnical Laboratory Testing Services
- Streambank Erosion Control Measures
- Engineering During Construction
- Settlement Analysis

