

GEOSCIENCES & CIVIL ENGINEERING

Every project has unique geologic challenges. At DiGioia Gray, we leverage the expertise of our geo-professionals to develop innovative and cost-effective solutions to address these challenges. We always strive to keep the owner's perspective in mind as we build upon our site knowledge from the initial desktop review to the final deliverable. We offer unparalleled expertise in practical geotechnical engineering ranging from reliability-based foundation design and analyses to the "go-to" experts in karst, landslide and mine subsidence work.

DiGioia Gray specializes in foundation design and analysis for all types of shallow and deep foundations, using the latest design methods. Due to our extensive experience and collaborative research efforts on foundations we have become the foundation consultant of choice for many challenging projects. In addition, we have an exclusive relationship with the Electric Power Research Institute that allows DiGioia Gray to license and make technical modifications to the FAD Tools software package - a design and analysis tool for various types of deep foundations.



DiGioia Gray Geosciences and Civil Engineering Services

- Geological and geotechnical site reconnaissance
- Geological and geotechnical site characterization
- Geophysical data analysis
- Reliability-based foundation design and analysis
- Deep foundations
- Shallow foundations
- Pile / anchor load testing programs
- Embankments
- Soil / rock slope stabilization
- Soil and rock cut slopes
- Landslide remediation
- Retaining structures / temporary support
- Geotechnical instrumentation programs
- Geotechnical construction inspection
- Designing with geosynthetics
- Ground improvement design
- Grout program design
- Horizontal Directional Drilling analysis
- Karst mitigation and karst risk assessment
- Levees / dams
- Geotechnical expert witness services
- Mine subsidence studies
- Mine fire extinguishment
- Abandoned mine stabilization
- Expansive shales and slags

DIGIOIA GRAY LOCATIONS