



## CLIENT FOCUS CONTRACTORS



*Geotechnical and structural design services for temporary support of excavation in a 45-foot-deep cut*

**GZA is proactive by design.** Solely focused on the construction industry, GZA's Contractor Services Division is intimately familiar with the complexities of heavy civil, heavy highway, and marine construction projects and can address upcoming activities, as well as unforeseen factors, swiftly. We are boots on the ground with you, solving issues in the field and offering timely and cost-effective solutions to help keep your project moving forward. Focused primarily on horizontal construction projects, we have successfully completed countless bridge, foundation, tunnel, utility, road and highway projects since 1964, working for some of the largest general contractors and specialty subcontractors in the country.

Strengthened by the support of GZA's full complement of services, our Contractor Services Division has the ability to go beyond traditional services to address geotechnical, structural and civil engineering requirements as well as environmental, water, and ecological issues without needing to go out of house. When searching for a partner for your construction support needs, choose one firmly rooted in the tradition of providing value at every turn. **Choose GZA.**

## CONTRACTORS SERVICES

- Excavation design support
- Deep foundation testing (PDA, TIP, PIT and CSL)
- Geotechnical instrumentation
- Groundwater control
- Hazardous waste and contaminated materials management
- Structural construction engineering (rigging, hoisting, staging, controlled demolition)
- Foundation design
- Pre- and post-construction structural condition surveys
- Air quality, noise and vibration monitoring/analysis
- Construction field control and monitoring
- Environmental permits
- Health and safety monitoring and plans
- Pre-bid and value engineering



*GZA engineers installing instrumentation in a drilled shaft cage in preparation for thermal integrity profile (TIP) testing*



Proactive by Design

CONTRACTORS



**Proactive by Design. Our Company Commitment.** Excelling as a multi-disciplinary, multi-office firm of proactive, bright, and dedicated people, GZA supports our clients and our profession through demonstrated expertise in each of our five core service areas. Woven together, these services integrate with each of our client-focused markets, providing unparalleled value from a single company. **We are Proactive by Design. We are One Company. We are GZA.**



### Geotechnical Services

- Subsurface Investigations
- Deep and Shallow Foundation Solutions
- Rock Slope Characterization, Stability Assessment, Rock Fall Mitigation
- Soil Slope Analysis and Stabilization Design
- Tunneling and Underground Construction
- Earth Support Design and Dewatering
- Seismic Evaluation
- Geothermal System Design
- Landfill Design
- Instrumentation and Deep Foundation Testing



### Environmental Services

- Environmental Site Assessment and Investigation
- Site Remediation
- Environmental Health and Safety Regulatory Compliance
- Air Quality
- Hazardous Materials Management / Demolition
- Sustainability Advisory Services



### Ecological Services

- Wetland Delineation, Assessment and Design
- Biodiversity, Habitat and Rare Species Assessment
- Aquatic Toxicity Testing
- Environmental Impact Studies
- Natural Resource Permitting
- Erosion and Sedimentation Control Design and Compliance Monitoring
- Ecological Restoration Design
- Invasive Species Management
- Water Quality Assessment and Planning
- Marine and Freshwater Habitat Analysis



### Water Consulting Services

- Marine and Waterfront Structures
- Dams and Levees
- Water Resources
- Climate Change and Hazard Planning



### Construction Management Services

- Project Management
- Program Management
- Demolition and Decommissioning
- High Risk Remediation/ Specialty Clean Construction
- Construction-related Building Services
- Asbestos, Lead, PCB's, and Mold Abatement



Geotechnical and structural design services for temporary steel sheet cofferdams, precast bridge pier walls and support of excavation of bridge abutments