

**GEOTECHNICAL CONTRACTOR PREQUALIFICATION REQUIREMENTS
(REVISED 5/1/09)**

Geotechnical contractors shall submit at least one key person per role for each work code and documentation verifying the following requirements.

- Contractor has successfully completed at least 5 projects within the last 3 years for each work code
- Experience/equipment meet the miscellaneous requirements, if applicable, for each work code
- Key personnel meet the registration/certification required, if applicable
- Key personnel meet the years of experience required

Documentation should include project lists and descriptions including names and current contact information of general contractors and owners, resumes, references, certificates, experience descriptions and details, etc. For questions about these prequalification requirements, contact Scott Hidden, P.E. or Mohammed Mulla, P.E. of the Geotechnical Engineering Unit at (919) 250-4088.

Work Code	Work Code Description	Type of Work	Key Personnel Required	Registration/Certification Required*	Years of Experience Required	Miscellaneous Requirements
070	Rock Blasting	Production, Cushion or Trim, Trench and Secondary Blasting and Pre-splitting	Blaster-in-Charge	---	5	
3020	Retaining Walls (Anchored)	Anchored and Soil Nail Retaining Walls	Design Engineer	P.E.	5	Successful completion of at least 10,000 ft ² of wall face area with a minimum of 150 anchors (e.g., ground, helical, etc.) and/or 500 soil nails within the last 3 years
			Project Manager	---	5	
			Superintendent	---	5	
3030	Foundations for Highway Signs, Luminaries and Traffic Signals		Project Manager	---	5	Experience with drilled pier construction including dry and wet placement of concrete and the use of casing or slurry
			Superintendent	---	5	
			Drill Rig Operator	---	5	
3040	Contaminated Materials Removal	Hazardous and Non-hazardous Materials	Superintendent	OSHA	5	Experience with handling, transporting and delivering contaminated soil and groundwater to a certified facility
3045	Drilling for GeoEnvironmental Investigations	Monitoring Wells and Soil and Groundwater Sampling	Lead Driller	NC Certified Well Contractor	3	Experience with air rotary, auger or direct push drilling on contaminated sites.
3050	Drilling for Geotechnical Investigations		Lead Driller	---	3	Equipment to access wooded and overgrown areas, obtain N and H size cores and drill 120 ft auger borings and 200 ft mud borings
3060	Pile Driving Analyzer (PDA)		Project Engineer	P.E.	5	Experience with PDA manufactured by Pile Dynamics, Inc and CAsE Pile Wave Analysis Program (CAPWAP)
			PDA Operator	---	1	
3070	Non-Destructive Foundation Testing	Crosshole Sonic Logging, Low Strain Integrity Testing, Gamma-Gamma, Ultra Seismic, Parallel Seismic, etc.	Project Engineer	P.E.	5	
3080	Foundation Testing	Drilled Shaft Inspection Device (SID), Caliper Logging, Static Load Tests, Osterberg Load Tests, Statnamic Load Tests and APPLE Load Tests	Project Engineer	P.E.	5	
3090	Drilled Piers		Project Manager	---	5	Experience with drilled piers a minimum of 36" in diameter, dry and wet placement of concrete and the use of temporary casing or slurry
			Superintendent	---	5	
			Drill Rig Operator	---	5	
3100	Micropiles		Design Engineer	P.E.	5	Successful completion of at least 250 micropiles within the last 3 years
			Project Manager	---	5	
			Superintendent	---	5	
			Drill Rig Operator	---	5	
3110	Continuous Flight Auger (CFA) Piles		Design Engineer	P.E.	5	Successful completion of at least 250 CFA piles within the last 3 years and experience with automated monitoring and recording equipment
			Project Manager	---	5	
			Superintendent	---	5	
			Drill Rig Operator	---	5	
3120	Vibration & Noise Monitoring	Vibration and Noise Monitoring and Pre/Post-blast or Pre/Post-construction Surveys	Project Engineer	P.E.	5	
3125	Structure Movement Monitoring		Project Surveyor	P.L.S.	3	Experience with monitoring land or structure movement, displacement, deformation, settlement, subsidence, etc. Equipment to repeatedly measure centimeter movement
3130	Ground Improvement Methods	Vertical Drains, Dynamic Compaction, Stone Columns, Grouting, etc.	Design Engineer	P.E.	5	
			Project Manager	---	5	
			Superintendent	---	5	

* Registration as a Professional Engineer (P.E.) or Professional Land Surveyor (P.L.S.) in North Carolina is required.