



BUNNELL  
LAMMONS  
ENGINEERING



ENVIRONMENTAL | GEOTECHNICAL | CONSTRUCTION MATERIALS

## TECHNICAL EXPERTISE FOR TOUGH CHALLENGES

We're a team of engineers and environmental professionals ready to tackle your challenges and turn them into successful projects. We approach each project with integrity and efficiency so that we deliver the best solution for you. Our team can assist through the entire lifecycle of a project, from environmental due diligence and geotechnical exploration prior to construction, construction materials testing and inspections during construction, commissioning and post construction services, and ongoing compliance once the project is complete. **We are your team - start to finish.**

96% of BLE clients have referred us to other companies because of our technical expertise, industry knowledge, and project team organization. We put senior staff on every project and actively collaborate with our clients and partners. With offices and laboratories in South Carolina and North Carolina, we serve clients across the Southeast and entire U.S.

### SERVICES



Environmental Engineering & Consulting



Construction Materials Testing



Solid Waste Engineering



Building Code & Inspections



Drilling & Remediation



Geotechnical Engineering



Transportation Services



Materials Laboratory



## Environmental Engineering & Consulting

Regulatory Compliance and Strategy  
Environmental Risk Management  
Phase I and II Environmental Site Assessments  
Property Condition Assessments  
Contaminant Evaluation, Design, and Remediation  
Brownfield Redevelopment Strategies  
Vapor Intrusion Testing and Mitigation  
Groundwater Evaluations, Investigations, and Modeling  
Underground Storage Tank Management Support  
Underground Storage Tank Line and Leak Detection  
Asbestos, Lead Paint, Indoor Air Quality Surveys  
Industrial Siting Permitting and Compliance  
Air Quality Engineering and Permitting  
Hazardous Materials and Waste Management  
EH&S Supplemental Services

## Solid Waste Engineering

Hydrogeological and Geotechnical Permit Support  
CQA Testing and Monitoring  
Global and Veneer Stability Analysis  
Borrow Studies  
Landfill Gas Management Support  
Statistical Analysis of Groundwater  
Geotechnical Infrastructure Support  
Electrical Leak Location  
Geotechnical Forensic Analysis  
Subsurface Lateral Drainage Analysis

## Drilling & Remediation

Hollow Stem Auger and Mud Rotary Drilling  
Air Hammer Drilling and Bedrock Coring  
Standard Penetration Testing, Undisturbed Sampling  
Continuous Soil Coring  
Monitoring Wells and Instrument Installation  
Downhole Geophysics and Packer Testing  
Direct Push and Imaging Technologies  
Remedial Compound Injections  
Aggressive Fluid Vapor Recovery  
Remediation Construction, Operation and Management

## Transportation Services

Geotechnical Analysis and Design  
Settlement and Stability Analysis for Embankments  
Reinforced Earth and MSE Wall Analysis and Design  
Pavement Condition Assessments and Structural Design  
Asphalt and Concrete Pavement Mix Design  
Soil and Bedrock Analysis  
Construction Engineering and Inspection (CE&I)  
Asphalt and Concrete Plant Inspections

## Construction Materials Engineering

Special Inspections - IBC Chapter 17  
Retaining Wall Inspections  
Subgrade Proofrolling and Site Preparation Inspections  
Soil Improvement Solutions  
Floor Flatness and Levelness Testing  
Weld Inspections (Structural & Piping)  
CEPSCI Erosion Control Inspections  
Concrete Floor Vapor Emission Testing  
Concrete Floor Relative Humidity Testing  
Masonry and Insulation Moisture Testing  
Roofing Inspection  
Anchor Bolt Load Testing  
Field Density Testing  
Asphalt Testing Services  
Quality Assurance Inspections

## Building Code & Inspections

Building Inspections  
Mechanical Inspections  
Plumbing Inspections  
Electrical Inspections  
Fire Alarm Inspections  
OSE/OSF Inspections  
Plan Review  
Accessibility Inspections  
Property Maintenance Inspections  
Temporary Assistance Inspections

## Geotechnical Engineering

Site Exploration  
Soil and Rock Testing  
Shallow and Deep Foundation Design  
Settlement Evaluation of Foundations and Embankments  
Seismic Evaluation  
Slope Stability and Seepage Modeling  
Instrumentation and Special Testing  
Reinforced Earth and MSE Wall Design  
Construction Engineering and Inspection (CE&I)

## Materials Laboratory

AASHTO Accredited Laboratory  
Concrete Testing  
Specific Gravity (Soils and Aggregate)  
Soil Classification  
Moisture Density Relationship  
California Bearing Ratio  
Hydrometer Analysis  
Flexible and Rigid Wall Permeability Testing  
Triaxial and Direct Shear Testing  
Consolidation