



## FIRM PROFILE

**F&ME Consultants, Inc. (FME)** is a South Carolina-owned and operated firm offering a comprehensive range of geotechnical, environmental, materials sampling and testing, and construction services. Established in 1980 and headquartered in Columbia, South Carolina, FME has offices in Columbia and Beaufort, as well as an operations center in Chester County. For over 40 years, we have built a reputation as a trusted consultant with the technical expertise and resources to implement innovative solutions on a range of projects.

Since inception we have been committed to providing a high level of service for the many challenges clients face in the design and construction of a variety of projects. Our clients have come to appreciate our solution-based approach delivered with principals and associates actively involved in performing and reviewing all stages of project work.

FME has a successful history providing quality services to a diverse client base that includes counties, municipalities, state agencies, federal agencies, educational institutions, private developers, as well as industry and design-build contractors. We offer clients traits earned only through years of direct experience on projects involving a wide range of scopes, budgets, and unique challenges. FME has a reputation of being a practical problem-solver, with a solution-based approach that will provide economical and technically sound solutions. We take pride in working with our clients and providing solutions regardless of the size of the project.



### HEADQUARTERS

1825 Blanding Street  
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(803) 254-4540



### COLUMBIA OFFICE

3112 Devine Street  
Columbia, SC 29205  
(803) 888-3972



### BEAUFORT OFFICE

1613 Paris Avenue, Ste. A  
Port Royal, SC 29935  
(843) 473-6211

# SERVICES

## GEOTECHNICAL ENGINEERING

### GEOTECHNICAL EXPLORATION

FME has an experienced team of field geologists, engineers, and engineering technicians who have performed pavement explorations across South Carolina. These individuals have a detailed understanding and knowledge of the technical and logistical aspects of coring, drilling, traffic control, laboratory testing, and pavement condition assessment. They understand that their efforts in the field are critical to providing effective and efficient pavement engineering solutions.

### GEOTECHNICAL ANALYSIS AND DESIGN

FME's staff of licensed engineers has decades of experience analyzing subsurface data and providing geotechnical engineering throughout the state. These individuals have a comprehensive understanding of the prevailing geology, as well as the major factors that influence analysis and design on site development, economic development, buildings, and infrastructure projects. They also have a working knowledge of the SCDOT GDM, AASHTO LRFD Bridge Design Specifications, SCDOT Seismic Design Specifications for Highway Bridges, SCDOT Pavement Design Guidelines, and the International Building Code standards. Our design staff has a wide array of experience ranging from developing designs for mitigating low residual strengths of liquefiable soils in the Lowcountry, to dealing with highly erodible and difficult to compact micaceous soil in the Midlands and Upstate.



- Subsurface Investigations
- In-Situ Testing
- Geophysical Testing
- Soil and Rock Lab Testing
- Shallow and Deep Foundation Design
- Retaining Structure Design
- Slope Stability Design
- Ground Modification Design
- Pavement Design
- Seismic Analysis and Design
- Geostructural Analysis and Design
- Geotechnical Instrumentation

## ENVIRONMENTAL CONSULTING

FME provides a variety of environmental services associated with hazardous materials, all of which are performed by highly qualified environmental professionals with the necessary certifications, required technical expertise, and years of hands-on experience to assist clients on all phases of their project. Our team provides a wide range of services to include asbestos, lead-based paint, mold, indoor air quality, remediation design, air monitoring, environmental site assessments, underground storage tanks, brownfields assessments and management, and project management.

Our combined team of professionals maintain excellent working relationships with state and federal regulatory environmental agencies. Additionally, they are skilled and experienced in communicating with architects, engineers, and other consultants associated with a project, in conjunction with the client, to establish clear objectives to assure a successful project.



- Phase I/II Environmental Site Assessments
- Asbestos and Lead-Based Paint Investigations
- Abatement/Remediation Design and Management
- Indoor Air Quality
- UST Assessments and Management
- Brownfields Assessments and Management

## CONSTRUCTION SERVICES

Quality construction is critical to the success of a project. Serving as our client's representative during construction, FME offers a wide array of services to assure projects are completed on time, within budget, and to the client's satisfaction. These services include construction management, contract administration, quality assurance inspection and testing, value engineering, and design review. In addition, FME provides other specialized services to monitor construction work, such as nondestructive testing, destructive testing, pipe inspections, structure foundation testing, and vibration monitoring.

### CONSTRUCTION MANAGEMENT AND ADMINISTRATION

Our construction managers have experience with the daily coordination, management, administration, and oversight of construction projects to assure each project is built in accordance with the plans, specifications, and contract documents. With their extensive involvement in the design and construction of various projects, they are able to identify issues before they develop into problems, thereby minimizing schedule delays and additional costs.

### CONSTRUCTION INSPECTIONS

FME technicians maintain the necessary certifications and have experience performing on-site inspection and testing duties for construction projects in the areas of concrete, foundations, soils and earthwork, asphalt roadway, asphalt plant, erosion control, and traffic control. In addition, our technicians regularly perform materials tests in our AASHTO-accredited laboratory under the supervision of geotechnical engineers and laboratory technicians, giving them an in-depth understanding of the technical aspects of the tests and the significance of the results. This perspective makes our technicians keenly aware of their ethical responsibility to perform all tests in accordance with standard procedures, and to report all data and results accurately.

### SPECIAL INSPECTIONS

FME's inspectors maintain International Code Council (ICC) certifications to perform International Building Code (IBC) Chapter 17 Special Inspections. Our Special Inspectors are also licensed by the state of South Carolina's Labor, Licensing and Regulation's (SCLLR) Building Codes Council, as required by state law. FME inspectors and project managers have experience working on a variety of projects ranging from small commercial retail buildings, to multi-family high rises and large industrial facilities. Our staff takes pride in being proactive and strives to identify quality issues ahead of time and resolve them before they affect the project. This approach has proven successful in delivering high-quality projects.



- Construction Management
- Contract Administration
- Document Control
- Construction Inspection and Testing
- Special Inspections
- Materials Laboratory Testing
- Non-Destructive Testing
- Destructive Testing
- Pipe and Culvert Inspections
- Pile Dynamic Analysis (PDA) Testing
- Crosshole Sonic Logging (CSL)
- Vibration and Crack Monitoring
- Value Engineering
- Geotechnical Design Review

## MATERIALS SAMPLING AND TESTING

FME's in-house AASHTO-accredited laboratory provides a full range of aggregate, asphalt, concrete, metal, and soil testing. Our laboratory is inspected and accredited through AMRL and CCRL. Our laboratory technicians perform tests in accordance with ASTM and AASHTO procedures and are supervised by geotechnical engineers with years of soil mechanics and materials property experience. Additionally, FME participates in the AMRL and CCRL Proficiency Sample Programs to assure our laboratory and technicians continue to produce accurate and reliable results.



- Aggregate Testing
- Asphalt Mixture Testing
- Concrete Testing
- Iron & Steel Testing
- Soil Testing
- Reporting for Sampling & Testing