

Cristin M. Faircloth, P.E.

Education: University of South Alabama - 1998
Mobile, AL
Bachelor of Science Civil Engineering

Certifications: Professional Engineer (AL License #26308)
OSHA 10-hr Safety Training

July 2005 - Present **Owner/Principal Engineer**
FMS Engineering, LLC Mobile, AL

Project Management and engineering review and oversight for industrial and commercial clients.

Van Aller Office Complex: Designed all structural components for a two story concrete masonry block structure with steel bar joists and timber roof trusses.

Blue Heron Condominiums: Designed all structural components for a three story wood and steel framed condominium complex.

The Wharf Marina, Orange Beach, AL: Designed retrofit solution for concrete cap on a bulkhead failure.

Standard Concrete, Theodore, AL: Designed pile-supported concrete foundations for a new batch plant.

Bella Vista Condominiums, Gulf Shores, AL: Designed all structural components for a two-story timber condominium.

Remax Realty, Orange Beach, AL: Designed all structural components for a two-story timber office building.

RJ Baggett, Theodore, AL: Designed concrete foundation and overhead crane runway beam for a new 4,000 s.f. mechanic shop. Also procured all required permits and coordinated crane design with pre-engineered metal building manufacturer.

Oceaneering Multiflex, Panama City, FL: Designed steel structures to support hyperbaric chambers.

2003 - 2005 **Structural Engineer**
Gulf States Engineering, Inc. Mobile, AL

Commercial duties include concrete, steel and timber design for Mobile County schools and surrounding area senior centers and office buildings. Projects include, but not limited to:

Sea, Sand and Stars: Designed steel mezzanine and multilevel concrete foundation for a learning center with attached planetarium.

Saraland Senior Center: Designed structural components for new timber senior citizen facility.

Satsuma High School: Designed new gymnasium CMU addition for existing high school.

Industrial duties include concrete and steel structural design, construction management, and project management.

Ipsco Steel, Saraland, AL: Designed reinforced concrete foundations and pits for all equipment installations for rolling steel plant addition.

Millard Refrigerated Service, Theodore, AL: Designed 1600 LF Reinforced Concrete and sheet pile dock with relieving platform and pile supports.

GE Plastics Port Bienville, MS: Designed barge dock access platform and multiple maintenance access platforms throughout plant.

Oceaneering Multiflex, Panama City, FL: Designed concrete foundations for equipment carousels and building additions.

1998 - 2003

Staff Civil/Structural Engineer
Thompson Engineering

Mobile, AL

Duties included project design on structural and environmental projects related to industrial services, commercial property development, and hydrogeological assessments, experience in onsite construction management coordinating civil, structural, mechanical, electrical and instrumentation disciplines. Experience Includes:

Retirement Systems of Alabama (RSA Tower) Performed finite element analysis of pile supported foundation for a 35 story office building located in Mobile, Alabama.

Alabama Department of Transportation Provided QAQC on more than 80 lightpole and foundation designs. Also performed finite element analysis on various lightpole baseplates to determine an effective stress area to be used in future designs.

Coflexip Stena Offshore, Inc. Provided design for concrete pipe support foundations to resist large lateral loads associated with pipe spooling process for one mile continuous lengths of steel pipe.

Bredero-Price Provided structural engineering design for concrete foundations supporting all electrical equipment located at pipe coating facility in Theodore, Alabama.

EOTT Energy, Project Engineer Structural engineering/design for the crane addition to an existing steel ship dock tower. Tasks included structural study, finite element analysis (using RISA software), design drawings (using AutoCAD), and recommendation of structural modifications.

Homestead Air Reserve Station in Miami, Florida Provided onsite engineering support for runway and pavement design.

Rohm and Haas Construction Management and on-site Engineering Representative for a \$1 million Morton bleach unit installation into two paper mills in Houston, TX.

Keesler AFB Structural engineer responsible for a breakwater design, including all hydraulic data calculations, and pier designs for a marina located in Biloxi, MS.

Boise Cascade Project Manager on a re-grading and paving project at paper mill in Jackson, AL. Project Engineer responsible for designing a temporary bulkhead. Also responsible for the design of monorail beams.

Alabama Department of Transportation Performed structural Best Management Practices inspections and prepared reports in accordance with NPDES compliance. These services have been performed under the supervision of a Registered Professional Engineer.

Design and preparation of Spill Prevention Control and Countermeasure Plans, Facility Response Plans, and NPDES permits for several industrial clients in the Mobile area.

**Professional
Affiliations**

American Society of Civil Engineers