

# Statement of Qualifications



Submitted by:

**Crews Engineering, Inc.**  
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Randall S. Crews, PE  
President

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## **INTRODUCTION**

Crews Engineering, Inc. is pleased to submit our Statement of Qualifications for your consideration.

Located in Valdosta, Lowndes County, Georgia since 1998, Crews Engineering, Inc. provides consulting structural and civil engineering services to Architectural, Industrial, Governmental and Contractor / Developer clients for projects throughout the southeast including Georgia, Florida, North Carolina, South Carolina, Alabama, and Mississippi.

Crews Engineering, Inc. maintains a disciplined approach to engineering projects utilizing the latest in computer technology in conjunction with traditional design methods to produce accurate and efficient designs. Quality control procedures used for every project include the use of industry standard design checklists and Peer review by outside consultants on larger projects. In addition to the traditional quality assurance procedures, Crews Engineering, Inc. utilizes the latest in building information modeling (BIM) to identifying and eliminating conflicts in the design phase. Safety, Efficiency and Constructability are primary considerations for every project at Crews Engineering, Inc.

Crews Engineering, Inc. addresses every project's concerns and schedule at weekly project management meetings. We commit to keeping the client informed of any circumstance that may affect the schedule of their project(s).

Crews Engineering, Inc. believes that for a project to be successful, coordination of all disciplines/trades must occur. Key personnel have several years of experience as project engineer and project manager for projects involving civil, structural, mechanical, electrical and plumbing engineering. This experience continually proves to be an asset toward the successful completion of projects.

## **PROFESSIONAL SERVICES**

### **STRUCTURAL ENGINEERING**

- New commercial, institutional, industrial, healthcare and government facilities
- Evaluation of existing structures
- Renovations to accommodate new or existing structures
- Renovations to accommodate new or relocated equipment
- Renovations to accommodate change in use or occupancy
- Shallow and deep foundations including auger cast piles & caissons
- Seismic & wind analysis and design
- Supports and foundations for heavy and / or vibrating equipment
- Supports for process equipment and piping
- Bridges, culverts and hydraulic structures
- Structural rehabilitation of mechanical or chemical damaged structures
- Chemical process tanks
- Concrete, steel and timber structures
- Retrofit metal roofs over existing buildings

### **CIVIL ENGINEERING**

- Feasibility studies for commercial, residential and industrial land development
- Cursory wetlands delineation
- Development of plans for site grading
- Athletic fields (new and repair/upgrades to existing)
- Pavement design
- Storm drainage and retention systems
- Wastewater collection systems
- Regional stormwater management
- Channel and bank improvements for streams, creeks and canals
- Spill containment design
- Soil Erosion & Sediment Control Planning and Design

# **KEY PERSONNEL RESUMES**

## **RANDALL S. CREWS, PE**

President

### PROFESSIONAL EXPERIENCE

Mr. Crews' responsibilities entail design development, final design and construction administration. He is proficient in conventional and computer assisted methods for analysis and design and the application of major building codes with respect to wind and seismic forces and their effect on structures. In addition to Mr. Crews' technical abilities, he has a strong background in project management. Several projects across the Southeast requiring civil, structural, mechanical, electrical and plumbing engineering disciplines have been successfully completed under his management.

### STRUCTURAL PROJECT EXPERIENCE

Mr. Crews' structural project experience includes over twenty-four years of responsible design for various projects including commercial buildings, schools, hospitals, medical laboratory facilities, governmental buildings, pedestrian bridges, water treatment facilities and industrial structures including buildings, bridge cranes, jib cranes, various equipment support structures and repairs to insufficient or damaged structural members. Mr. Crews has a strong background in multi-story reinforced concrete and structural steel buildings as well as various foundation systems including shallow and deep foundations. Additional capabilities include design of new wood, timber and light gage metal structures as well as analysis and assessment of existing structures. Mr. Crews has been the structural engineer of record for several risk category IV structures including fire stations, 911 call centers, jails and emergency operation facilities. Additionally for several successful historic preservation, re-habilitation and adaptive re-use projects across the State of Georgia.

### CIVIL PROJECT EXPERIENCE

Mr. Crews' civil project experience includes design and preparation of site development plans for projects ranging in size from less than 5 acres to 300 acres. Civil projects include school sites, athletic complexes, food service/ restaurants, warehouses & warehouse / loading dock expansion projects.

### EDUCATION

Master of Civil Engineering  
Norwich University, 2007

Bachelor of Science, CET  
Southern Polytechnic  
State University, 1991

### ACTIVE REGISTRATIONS

Professional Engineer  
State of Georgia  
State of Florida  
State of Alabama  
State of North Carolina  
State of South Carolina  
State of Mississippi

### AFFILIATIONS

American Society of  
Civil Engineers

Structural Engineers  
Assoc. of Georgia

Honorable Discharge,  
USMC

Society of American  
Military Engineers

**Jason M. Spooner**

Project Designer

**PROJECT EXPERIENCE**

Mr. Spooner's experience as a project designer includes over eleven years of experience. Responsibilities as a project designer include preparing preliminary designs, design documents and building information modeling on a variety of structural and civil projects. Mr. Spooner utilizes MS Office, AutoCAD and Revit software to perform the duties of Project Designer. Additional responsibilities assigned to Mr. Spooner include assistance with project management relating to scheduling of manpower requirements in order to meet requirements of each project schedule. Mr. Spooner remains involved with his projects thru construction by assisting with responding to contractor questions, assistance with submittal/ shop drawing review and construction observation site visits.

**STRUCTURAL PROJECT EXPERIENCE**

Mr. Spooner's structural project experience includes new schools, additions & renovations to schools, commercial buildings, fire stations, multi-family housing projects, equipment support structures, municipal buildings and miscellaneous structure upgrade/repair projects. Example projects include jail & sheriff's office projects, schools, low and medium height hotels, and several miscellaneous structural equipment support type structures.

**CIVIL PROJECT EXPERIENCE**

Mr. Spooner's civil project experience includes standardization of surveys and preparation of site design documents for sites ranging in size from one to ten acres. Several site designs including commercial, fire stations and several school additions were completed by Mr. Spooner.

**EDUCATION**

Diploma  
Architectural Drafting  
Moultrie Tech, 2002

**Michael J. Beardon**

Cadd Operator

**PROJECT EXPERIENCE**

Mr. Beardon's responsibilities as a cadd operator include drawing standardization, preparation of design drawings and building information modeling. Mr. Beardon utilizes MS Office, AutoCAD and Revit software to perform the duties of Cadd Operator. Mr. Beardon remains involved with his projects thru construction by assisting with responding to contractor questions and assistance with submittal/ shop drawing review.

**STRUCTURAL PROJECT EXPERIENCE**

Mr. Beardon's structural project experience includes K-12 school additions, technical college/ university building structures and various commercial buildings, multi-family housing projects, equipment support structures and miscellaneous structure upgrade/repair projects. Example projects include a two story masonry middle school, a new charter school building and several miscellaneous structural projects..

**CIVIL PROJECT EXPERIENCE**

Mr. Beardon's civil project experience includes execution of mark-ups in the process of preparation of site design documents.

**EDUCATION**

Assoc. of Applied Science  
In Drafting Technology  
Bainbridge College

**Erin Pearson**

Administrative &amp; Human Resource Manager

Mrs. Pearson has eight years of administration and human resources experience with duties including communications, project administration, training and development, employee mediation and advocacy as well as management of accounts payable & receivable. She also has experience in implementing and developing high impact marketing strategies to target new business opportunities and projects. Mrs. Pearson will oversee marketing operations including maintaining project experience database and preparation of marketing information. In addition to these duties, Mrs. Pearson will be doing specification writing and assist with quality control.

Mrs. Pearson is proficient with and utilizes the latest technology to execute her duties. These include Microsoft Word, Excel and Power Point for administration, management and marketing duties along with QuickBooks for bookkeeping.

**EDUCATION**

Masters of Human  
Resource Management  
Webster University-2014

Bachelor of Education  
Miami University-2004



# **STAFF PROJECT EXPERIENCE**

## **EDUCATIONAL**

### **Valdosta Board of Education**

Valdosta, Georgia

- New Sallas Mahone Elementary School
- Renovations to Bazemore-Hyder Stadium
- New Lomax-Pinevale Elementary School
- New West Gordon Elementary School
- New W. G. Nunn Elementary School
- Addition to Sallas Mahone Elementary School
- New SL Mason Elementary School
- New Westside Elementary School

### **Lowndes County Board of Education**

- Additions & Renovations to Lowndes Middle School, Copeland Road
- Additions & Renovations to Clyattville Elementary School
- Additions to Hahira Elementary School
- Additions to Moulton Branch Elementary School
- New Westside Elementary School
- New Pine Grove Elementary School
- Clyattville Elementary School Re-Roof

### **Colquitt County Board of Education**

- Additions & Renovations to Colquitt County Senior High School
- Additions & Renovations to Okapilco Elementary School
- Additions & Renovations to Doerun Elementary School
- Additions & Renovations to Stringfellow Elementary School
- Additions & Renovations to Hamilton Elementary School
- Additions & Renovations to Funston Elementary School
- Additions to R.B. Wright Elementary School
- A New Athletic Field House, Colquitt County High School

### **Thomasville and Thomas County Board of Education**

Thomasville, Georgia

- New Middle School
- New Hand-in-Hand Primary School
- Additions to Harper Elementary School
- Additions to Macintyre Park Middle School
- Additions to 9<sup>th</sup> Grade Academy
- Additions to Macintyre Park Middle School (2 story building)
- Additions to Thomas County Middle School
- New Brookwood Gym
- New Thomasville High School Gym

### **Valwood School**

Valdosta, Georgia

- New School – Old Hwy. 41 North

### **St. John Catholic Church & School**

Valdosta, Georgia

- New Kindergarten Classroom and Library Addition

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## **BOARD OF REGENTS - UNIVERSITY SYSTEM OF GEORGIA**

### **Valdosta State University**

- Chiller Refrigerant Conversions (P.E. Complex, Langdale, Pound & West Halls)
- Old Gym, Univ. Union HVAC Upgrades
- Powell Hall Roof Evaluation
- New Plant Operations – Structural Assistance
- Palms Dining – Structural Evaluation & Repair Recommendations
- Nevins Hall – Renovations & Roof Access Stairwell Addition
- University Center – Roof top Equipment Support Evaluation & Design
- Converse Hall – Roof top Equipment Support Evaluation & Design
- Renovation to Ashley Hall
- New Psychology Building

### **Abraham Baldwin Agricultural College**

- Structural Evaluation and Repairs to Conger Hall
- New Nursing Education Building
- Renovation to Tift, Lewis, & Herring Hall
- New Lab Science Building

### **Georgia Southern University**

- Builders Memorial Monument

### **Medical College of Georgia**

- Research Laboratory Building
- Children's Medical Center
- Sports Medicine Center

### **Georgia Southwestern State University**

- Sanford Hall – Elevator Connector

### **University of Georgia**

- Renovations and Additions to Veterinary Medicine School
- Renovations to Old Creamery Building
- New Auditorium and Conference Center Additions at the Tifton, GA RDC

### **Department of Technical & Adult Education**

- New Allied Health, Business and Conference Center Buildings at Moultrie Tech's Tifton Campus
- Altamaha Tech, Library Addition at Baxley Campus
- Altamaha Tech, Renovations to Alma Center
- Augusta Tech, New EMT Training Center, Augusta Campus
- Moultrie Tech, New IST Building, Tifton Campus
- Altamaha Tech, New Vehicle Maintenance Shelter, Baxley Campus
- Altamaha Tech, Renovations to Cook Center, Hazelhurst Campus
- Augusta Tech, New Columbia County Campus
- Altamaha Tech, New Glynn County Campus & Classroom Building, Brunswick, Ga.

## HEALTH CARE

### South Georgia Medical Center

Valdosta, Georgia

- Convenient Care – Additions & Renovations
- Doctors Office Building – Structural Evaluation & Recommendations
- Operating Room No. 2 Equipment Support – Structural Assistance
- Renovations to First Floor Labor & Delivery – Administration
- New Outpatient MRI Facility
- New Emergency Department / Expansion
- New Ambulatory Surgery Center
- New Medical Office Building
- Renovation & Addition to Outpatient MRI Facility

### Medical College of Georgia

Augusta, Georgia

- Research Laboratory Building
- Children's Medical Center
- Sports Medicine Center

### VA Medical Center

Augusta, Georgia

- New Cath Lab
- New Spinal Cord Injury Unit
- Unit 6D renovation
- Renovation to Lab 801

### University Hospital

Augusta, Georgia

- West Augusta Surgical Center
- South Augusta Medical Center
- North Augusta, SC Medical Center
- Professional Office Building No. 4
- Kentwood Nursing Home Addition
- Westwood Nursing Home

### Glynn County Board of Commissioners

Brunswick, Georgia

- New Glynn County Health Department

### Hughston Clinic / Valdosta Physical Therapy

Valdosta, Georgia

- New Facility

### Tift County Board of Commissioners

Tifton, Georgia

- New Tift County EMS
- Renovations to Pickett Building

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## MUNICIPAL – LOCAL GOVERNMENT PROJECTS

### Augusta – Richmond County

- New Fire Station No. 1
- New Fire Station No. 7
- New Fire Station No. 8
- New Fire Station No. 12
- New Fire Station No. 19
- New Fire Station No. 15
- New Marshals Office
- New FBO at Augusta Aviation
- New Fire Department Admin. Bldg.

### City of Valdosta

- New Fire Station, East Park Ave.
- New Fire Station, Enterprise Drive
- New Fire Station Headquarters, Savannah Avenue
- Community Center Renovation & Addition, Gornto Road
- New Fry Street Community Center
- New Retaining Walls, Sunset Cemetery at Oak Street

### Lowndes County

- Elevated Fire Water Storage Tank, Naylor, Georgia
- Skipper Bridge Road Bridge Replacements
- New Emergency Operations Center
- New Fire Training Tower
- Shade Pavilions

## CHURCH PROJECTS

### First Baptist Church

Valdosta, Georgia

- Steeple Evaluation & Repairs
- New Children's Building & Fellowship Hall
- New Multi-purpose Building

### Park Avenue United Methodist Church

Valdosta, Georgia

- New Multi-Purpose Building

### Conyers Apostolic Church

Conyers, Georgia

- New Sanctuary & Fellowship Hall

### Heritage Church

Moultrie, Georgia

- New Sanctuary & Fellowship Hall

### First Baptist Church

Thomasville, Georgia

- Roof and Masonry wall repairs

**Tabernacle Baptist**

August, Georgia

- New Family Life Center
- Re-Design

**Bonaire United Methodist Church**

Bonaire, Georgia

- New Sanctuary & Multi-Purpose Facility

**First Baptist Church**

Lyons, Georgia

- New Fellowship Hall & Classroom Building

**Calvary Baptist Church**

Lake Park, Georgia

- New Fellowship Hall

**First Baptist Church**

Ft. Valley, Georgia

- New Family Life Center

**St. John Catholic Church & School**

- Sanctuary Addition
- New Two Story Office & Library Building
- Convent Renovations

**INDUSTRIAL PROJECTS****Halocarbon Products Corporation**

North Augusta, South Carolina

- New 3 Story Process Building
- Pipe Bridge Design

**Fresh Beginnings Bakery**

Valdosta, Georgia

- Warehouse Expansion Structural Assistance

**Univ. of Nebraska**

- 100' Steel Stack and Equip. Support Frame

**Monsanto**

Fayetteville, NC

- 80' Steel Stack and Equip. Support Frame

**P & G**

Augusta, Georgia

- Long Span Roof Truss Evaluation, New Baghouse Support & Misc. Equipment Structures

**DSM Chemical Co.**

Augusta, Georgia

- Structural Analysis & Repairs

**Philadelphia Quartz**

Augusta, Georgia

- New Process Storage Tank and Related Piping Support

**SAFT America**

Valdosta, Georgia

- New Loading Dock with Spill Containment & Misc. Equipment Structures

**Microflo**

Sparks, Georgia

- New four story equipment mezzanine structure
- Structural evaluations, Load ratings, Upgrades & OSHA Evaluations

**BASF Sparks**

Sparks, Georgia

- Structural Evaluations, New Platforms, OSHA Evaluations

**PCA**

Valdosta, Georgia

- Structural Evaluations, Load Rating, and Modifications

**ADM**

Valdosta, Georgia

- Structural Evaluations, Load Rating, and Modifications, New Platforms and Catwalks

**JUDICIAL – COURTHOUSE PROJECTS****New Appling County Courthouse**

Appling County, Georgia

**Renovations to the Pierce County Courthouse**

Blackshear, Georgia

**New Berrien County Administration Building & Courtroom**

Nashville, Georgia

**JAIL – DETENTION CENTER PROJECTS****Liberty County Jail Expansion**

Hinesville, Georgia

**Heard County Jail & Animal Control Facility**

Franklin, Georgia

**Miller County Jail Expansion**

Colquitt, Georgia

**Brantley County Jail**

Nahunta, Georgia

**Bryan County Jail**

Pembroke, Georgia

**Washington County Jail**  
Sandersville, Georgia

**Treutlen County Jail**  
Soperton, Georgia

## **MULTI-FAMILY PROJECTS (HOTEL & APARTMENT)**

**Northwind Apartments**  
Valdosta, Georgia

**Suburban Lodge**  
Charlotte, North Carolina

**Crestwood Suites**  
Cobb County, Georgia

**Holiday Inn Express**  
DeKalb County, Georgia

**Crestwood Suites**  
Jacksonville, Florida

**Suburban Lodge**  
Gautier, Mississippi

**Suburban Lodge**  
Pensacola, Florida

**Windtree Heights Apartments**  
Greensboro, South Carolina

**Suber Mill Village Apartments**  
Greer, South Carolina

**Camellia Heights Apartments**  
Anderson, South Carolina

**Aberdeen Chase Apartments**  
Easley, South Carolina

**Carolina Oaks,**  
Myrtle Beach, South Carolina

**The Point at Blythewood**  
Blythewood, South Carolina

**Southfork Apartments**  
Camilla, Georgia

**Holiday Inn & Suites**  
Valdosta, Georgia

**Comfort Inn & Suites**

Valdosta, Georgia

**Hilton Garden Inn,**

Valdosta, Georgia

**SITE DEVELOPMENT PROJECTS**

**Scruggs Company**

Lowndes County, Georgia

- New Office Building on Old U.S. 41

**Larry Rodgers Investment**

Lowndes County, Georgia

- New Office and Shop

**Valdosta - Lowndes YMCA**

Valdosta, Georgia

- Structural Assistance

**Cook County Public Library**

Adel, Georgia

- Light Gage Metal Retrofit Roof

**Bainbridge High School**

Bainbridge, Georgia

**Cook County High School**

Adel, Georgia



## **DESIGN AUTOMATION TECHNOLOGY**

### **DRAFTING**

- Revit Structure Suite 2015 by Autodesk
- AutoCAD 2015 by Autodesk

### **ADMINISTRATION**

- Microsoft Word
- Microsoft Excel

### **STRUCTURAL**

- STAAD Pro
- STAAD Foundation
- Microsoft Excel

### **CIVIL**

- Hydraflow by Intelisolve
- Hydroflow Storm Sewer by Intelisolve