



PUGH ENGINEERING SERVICES

RESUME OF QUALIFICATIONS FOR JAMES B. PUGH

SUMMARY OF QUALIFICATIONS:

- ◆ Management/Leadership experience.
- ◆ Civil, Structural, and Facilities Engineering experience.
- ◆ Project management experience.
- ◆ Construction management experience.
- ◆ Manufacturing equipment design and redesign of existing equipment, including: Piping, Pump, Cooling Tower, Ventilation, HVAC, Motor Controls, and Compressed Air System Design.
- ◆ Project economic analysis and justification experience.
- ◆ Military leadership skills. Operation Iraqi Freedom I and Operation Iraqi Freedom 06-08 Veteran. 40% Service Disabled Veteran through the VA.

EMPLOYMENT HISTORY:

Pugh Engineering Services, Decatur, Alabama

1997-Present

Partner and Engineer in a firm, which my wife and I began in 1997. The firm is considered a Service Disabled, Veteran Owned Business (SDVOB), and is registered as such with the Small Business Administration (SBA), the Veteran's Administration, and the Defense Department's CCR. Clients include:

- ◆ Toray Carbon Fibers America (TCFA) in Decatur, AL.
- ◆ General Dynamics Land Systems at the Anniston Army Depot, AL.
- ◆ Navistar Truck and Engine Corporation in Madison, AL.
- ◆ Turner Construction Company in Huntsville, AL.
- ◆ SIMCO Construction Company in Decatur, AL.
- ◆ Hubbard and Drake Construction Company in Decatur, AL.

Active Duty: 1169th EN GP, Army National Guard in support of OIF 06-08

2006-2007

I served as the Structural Engineer for the Construction Management Section (CMS) of the 1169th Engineer Group in Baghdad, Iraq, in support of the 1st Cavalry Division. The 1169th EN GP commanded and controlled two subordinate engineer battalions, one of which had the route clearance mission for the Baghdad area, and the other which had a construction mission in the AOR. The CMS was responsible for coordinating, controlling, and design services for construction missions in the 1st Cavalry Division's AO. The CMS was responsible for numerous construction projects involving both US and Iraqi Security Forces, as well as Civil/Military Construction Operations (CMCO) to include:

- ◆ Iraqi Security Forces (ISF) Forward Operating Base (FOB) Construction
- ◆ Coalition Forces FOB Construction
- ◆ Force Protection Coordination and Design
- ◆ Baghdad Infrastructure Planning and Construction
- ◆ HWY 1 Bridge Design and Construction

Active Duty: 877th EN BN, Army National Guard in support of OIF I

2003-2004

I served as the Battalion Intelligence Officer and Engineering Project Officer with the 877th Engineer Battalion in Mosul Iraq, in support of the 101st Airborne Division. I also served on both LTG Petreus (101st ABN), and LTG Hamm's staff (Task Force Olympia) as the Engineer Liaison Officer. The 877th completed over 700 projects while in Iraq to include:

- ◆ Irbil School Remodeling and Renovations
- ◆ Mosul and Tal Afar Medical Clinic Construction
- ◆ Mosul Sewer System and Water System Projects
- ◆ Mosul, Tal Afar, and Irbil Road Construction Projects, and
- ◆ Infrastructure Improvements

National Copper and Smelting Co., Huntsville, Alabama

Engineering and Maintenance Manager

1992-1999

Responsible for the management of all Engineering, Facilities, Safety, Environmental Compliance, Tooling, and Maintenance Department functions.

- ◆ Managed the installation of numerous pieces of equipment including: a 50,000-lb. pull, five station, drawbench; a 36" spinner block; a bridge crane system; and a new levelwinder.
- ◆ Managed numerous Machinery rebuild and upgrade type projects such as; DC Drive replacement on four older blocks to include an 84" Vaughn Bull Block, mechanical rebuild of a cross-roll straightener, and replacement of the electronic package on a Reach "cut-to-length" straightener.

General Electric Company, Decatur, Alabama

Facilities Engineer

1989-1992

Responsible for managing Facilities and Manufacturing Engineering Projects and for assisting Maintenance Department personnel in troubleshooting and acquiring repair parts and materials for faulty machinery.

- ◆ Designed and installed numerous material handling systems, greatly increasing Maintenance Department efficiency.
- ◆ Supervised the installation of and wrote the program for a new robot line, which replaced an older, worn out line, and saved more than \$150,000 per year.

Vapor Corporation, Montgomery, Alabama

Plant Engineer and Maintenance Supervisor

1987-1989

Supervision of the upkeep, design, and modification of manufacturing and plant engineering systems. I supervised all Maintenance Department personnel.

- ◆ Designed and supervised the installation of a Waste Water Treatment System, keeping Vapor in compliance with ADEM (Alabama Department of Environmental Management) and EPA regulations.
- ◆ Served on the Montgomery County Emergency Planning Committee as an Advising Engineer.

Hussmann Corporation, Bridgeton, Missouri

Plant Engineer

1986-1987

Responsible for the upkeep and modification of manufacturing and facilities systems in Hussmann's 47-acre main plant.

- ◆ Sole Responsibility for Process Engineering Projects in this plant.
- ◆ Supervised numerous construction projects and environmental program projects.

Hussmann Corporation, Montgomery, Alabama

Manufacturing and Plant Engineer

1985-1986

- ◆ Designed the Montgomery plant expansion, doubling the size of the plant, including machinery layout, workstation layout, flow charts and flow patterns.
- ◆ Designed a bulk storage and pumping system for Hussmann's Foam Department.
- ◆ Designed the machinery and workstation layout of Hussmann's plant in San Antonio, Texas.

Military Experience:

US Army Reserves

2007-Present

Highest Rank: Lieutenant Colonel (LTC)

Security Clearance: Secret

Experience: I currently serve as the Assistant Operations Officer for the 412th Theater Engineer Command (TEC) in Vicksburg, Mississippi.

Alabama Army National Guard

1987-2007

Highest Rank: Major

Security Clearance: Secret

Experience: I have held positions as Line and Support Platoon Leader, Executive Officer, Company Commander, Battalion Assistant Operations Officer, and Battalion Intelligence Officer. I was called to active duty with the 877th Engineer Battalion on March 15th, 2003, and served 15 months with the Battalion in support of the 101st Airborne Division in Mosul, Iraq. I was called back to active duty on July 29th, 2006, and served 16 months as the Structural Engineer for the 1169th Engineer Group in Baghdad, Iraq.**Education:**

Civilian:

- Auburn University, Auburn, Alabama:
 - Bachelor of Science
 - Major: Physics
 - Double Minor: Mathematics

Military:

- Officer Basic Course (Engineer)
- Officer Advanced Course (Engineer)
- Command and Staff Service School
- Intermediate Level Education
- Hazardous Waste Disposal and Transportation Course
- Security Engineering Course (US Army Corps of Engineers)

Certifications/Registrations:

- ◆ Certified Plant Engineer (CPE) - (#3779)
- ◆ Professional Engineer in the State of Alabama (# 21849)
- ◆ Professional Engineer in the State of Georgia (#25014)
- ◆ Professional Engineer in the State of Mississippi (#13988)