

## **Torris J. Babbs, P.E.**

12461 Veterans Memorial Hwy  
Douglasville, Ga. 30134  
Cell Phone: 256.452.2965

Email: [tbabbs@babbsengrg.com](mailto:tbabbs@babbsengrg.com) or [tjbabbs2010@gmail.com](mailto:tjbabbs2010@gmail.com)

### **Professional Summary**

More than 25 years of experience in the field of civil engineering and has been functioning as a Developer on several rural projects since 2013 and Principal Director of Global Consortium Corporation since November 2020. Background includes construction management of roadway projects, environmental studies, and also hydraulic designs for roadway and civil site projects. Knowledgeable of roadway and civil site projects from preliminary stages through final design. The largest project and most significant accomplishment of my profession thus far involve completion of the water resource sections for the Construction and Operation License Application "COLA" for an estimated construction cost \$4.5 billion dollar Nuclear Power Plant for Detroit Edison Utility Company. The proposed plant is called Fermi III; the COLA is shown on [www.nrc.gov/reactors/new-reactors/col/fermi.html](http://www.nrc.gov/reactors/new-reactors/col/fermi.html).

### **Nuclear Experience Highlights**

Successful completion of Environmental Report (ER) for "COLA" section ER 2.3.1 Hydrology, section ER 2.3.2 Water Uses, section ER 4.2 and ER 5.2 Water-Related Impacts, section 6.3 Hydrological Monitoring; some of the key references reviewed in order to properly complete these sections were the following: 33 CFR 322, 33 CFR 330, 40 CFR 6,122,124,227, and 149. The guidelines, within the NUREG-1555 provided by the Nuclear Regulatory Commission, were followed to successfully complete the Environmental Report.

Successful completion of Final Safety Analysis Report (FSAR) for "COLA" section FSAR 2.2.1 Develop Preliminary Plot Plan, section FSAR 2.4 Hydrology, section FSAR 2.4.1 Hydrologic Description, section FSAR 2.4.2 Floods, section FSAR 2.4.3 Probable Maximum Flood, section FSAR 2.4.4 Potential Dam Failures, section FSAR 2.4.5 Probable Maximum Surge and Seiche, section FSAR 2.4.6 Probable Maximum Tsunami, section FSAR 2.4.7 Ice Effects, section FSAR 2.4.8 Cooling Water Canals and Reservoirs, section FSAR 2.4.9 Channel Diversions, section FSAR 2.4.10 Flooding Protection, section FSAR 2.4.11 Cooling Water Supply/Low Water; some of the key references reviewed in order to properly complete these sections were the following: 10 CFR Part 50, 10 CFR Part 52, 10 CFR Part 100, ANSI/ANS-2.8-1992, EM 1110-2-1612, Regulatory Guides 1.27, 1.29, 1.59, 1.70, 1.102, and 1.206. The guidelines, within the NUREG-0800 provided by the Nuclear Regulatory Commission, were followed to successfully complete the Final Safety Analysis Report.

### **Transportation Construction Management Projects**

- Successful completion of designing roadway resurfacing plans with ALDOT specifications for 4 City streetscapes for the City of Eutaw AL. Managed CE&I activities and personnel during the construction resurfacing activities for all four streetscapes from start to finish.
- Successful completion of designing the roadway storm sewers in accordance to Georgia Department of Transportation roadway standards for a Two(2) miles of Gulf Stream Road Project, Chatham County- Savannah GA.
- Successful completion of managing and supervising roadway inspectors on a Six (6) mile Grade and Drain Project, Hwy 21 Munford/Oxford, AL that was constructed to meet the Alabama Department of Transportation Standards as well as Federal Highway Administration specifications on culverts and bridges.
- Successful completion of managing and supervising inspectors on numerous widening and resurfacing projects throughout central Alabama which includes AL Hwy 77, AL Hwy 21, AL Hwy 76, AL Hwy 148, National Highway System Roadway US Hwy 280, US Hwy 80, AL County Roads 12 and 9 as well as Talladega 500 Speedway Boulevard approximately totaling 120 miles constructed to meet Alabama Department of Transportation Roadway Standards, Specifications, and Best Management Practices in all phases of construction.

## Professional Experience

### Global Consortium Corporation

1. Reorganizing Corporation for nationwide rural community developments 03/25 to current  
Received Lead Certification in April 2024 to support the **HUD HEALTHY Homes Program** of the West Anniston Foundation in Anniston Alabama.
2. Completed VA residential Home app. 2100 sq.ft. house for disabled veteran family located on 181 Gladys Court Talladega, AL. 35160. May 2024
3. Received VA Homebuilder Certification March of 2024.
4. Completion of app. 2400 sq.ft. residence on 7021 County Road 191 Union , Alabama 35462. February 2023
5. Completion of app. 1100 sq.ft. residence on 510 Springfield, Ave. Eutaw, AL. 35462. September 2022
6. Alabama Homebuilders License in 2021. The Corporation received the license Homebuilding status as an entity in 2021.
7. 2021 Currently working on 150- acre development in Halifax County Virginia. Titled Reflective Gateways Community Co-Op.

12/08-current

### Babbs Engineering Consultants, LLC

**09/2024 through current Working on Projects of Rural Development in Counties in West and South Georgia. Small Residential & Commercial civil site design tasks in urban and rural areas.**

**05/01/2024** received clearance from Georgia Department of Natural Resources to develop a small housing development under the ordinance of Community Service Use of Athens-Clarke County GA. The development will consist of 38 small houses on a 17.28-acre estate. **Project Pending Grant Approval**

- **Received Onsite Wastewater Certification as Septic Installer in Alabama in June 2022 and also in Georgia in 2021.**
- **Over 200 soil analysis tests and reports completed in Georgia and Alabama since 2021.**
- Project manager for multiple commercial and residential development projects in Alabama & Georgia.
- 2022 leading civil site development on several projects in the state of GA, also certified as GDOT subcontractor for roadway projects.
- 2022 Contracted to work on Island of St. Thomas from December 2022 through March 2023
- 2021 Received Homebuilders Certification for ALABAMA currently building several houses in the state.
- 2021 completion of GIS Mapping for City of Eutaw AL sanitary sewer, fire hydrant, and portions of stormwater system. Brought utility infrastructure from 1975 mapping up to 2022 ALABAMA STATEPLANE COORDINATES WITH N/E and NAVD 1988 for elevations for streetscape and sanitary sewer system. Reviewed 2 federal funded multi-family housing projects in city of Eutaw, AL.
- 2021 Lead Development Firm on 150 Acre Development in Alton Virginia in Partnership with non-profit Volunteer Community Incorporated.
- **Level 1A & Level II Trainer for the Georgia Water & Soil Conservation Commission since 2009.**

*Functioned as Project Manager*

**December 2018- current:** Civil Site Lead Designer on new Gym facility for the Tabernacle of Praise Church International located in McDonough Ga.

**September 2018- current:** Principal Engineer and Designer for all civil Site concerns for app. 3500squareft. ranch home located in Shelby County Alabama on 4.55acres.

**March 2018 – December 2018:** Managing sanitary sewer project existing topographic survey on relocation of two relocation lift station projects for a Water Authority Entity in Mobile Alabama.

**June 2016- November 2018:** Preliminary through Final Design Phase 2 for Commercial Civil Site plan for Newnan Storage Facility Parking Lot that was located near a state water and floodplain and required Erosion & Sedimentation Plan under GESA and NPDES and FEMA regulations.

**January 2015- current:** Program Manager and Principal Engineer for Preliminary through final design for app. 2.0million Church Facility for Greater Ebenezer Missionary Baptist Church located in Talladega, Alabama.

**October 2013- 2015:** Professional Civil Engineering Services for new proposed industrial Facility located in Jacksonville, AL. Performed field engineering and preparing full set of civil site design plans for proposed 200ft x 300ft industrial plant for Shelco Plant (WH Industries). The site is approximately 3 acres which BEC performed topographic survey to assure successful completion of the construction of this design/build project.

**May 2012- July 2012:** *Highway 50, Brule County, SD Road Repair*

Construction staking (slope, grade and miscellaneous) services were performed on a 8.8 mile section 50 in Brule County, SD for road repair. Services included using point staking to establish the location of slope stakes at 100' offsets as well as grade stakes on the centerline and 12' offset for the right and left lanes on a 0.378 mi, 0.620 mi and 0.114 mi sections on Highway 50. Miscellaneous Staking was used for pipe staking, temporary fence easements and permanent signage in various locations throughout 8.8 mile section of Highway 50.

**February 2012- Current:** *Mountainview Estates*

Provided surveying and field engineering services to check the boundary and control points for a 20 acre site to be developed into a subdivision, Mountainview Estates, in Oxford, AL. Information from the survey was used to set the grade for the site, design the streetscape and lots for the subdivision as well as perform hydraulic analysis for the site.

**September 2010:** Successful completion of Federal Emergency Management Agency project for the City of Anniston Alabama National Flood Insurance Program. The project consisted of 31 (thirty-one) commercial and residential properties that were in violation of FEMA standards for properties located in a Special Flood Hazard Area. The properties were in need of full evaluation and updating in the City's National Flood Insurance database. In order to complete tasks survey crew was implemented; flood analysis completed using HEC-4, AutoCAD 2010, and Arc-GIS 9.3.1 software. In addition all documentation was implemented in accordance with FEMA standards and regulations.

02/07-12/08

**Black & Veatch, Inc**

*Civil Site Lead Engineer "Successfully Completed Projects"*

Responsible for reviewing all proposed Best Management Practices for all phases of construction

Fermi III Project -Detroit , Michigan

Riverbend Project- South Louisiana

Spruce Project Unit 2 San Antonio Texas

Plant Crist – Florida Power and Light

11/05-02/06

**Carr and Associates Inc**

*Civil Design Engineer "Successfully Completed Project"*

Coffee Creek Subdivision, Bibb County, AL

07/02-11/05

**Khafra Engineering Consultants, Inc**

*Project Engineer "Successfully Completed Projects"*

Responsible for all Traffic Control, Erosion and Sedimentation Control measures on all construction projects

Widen Level and Resurface County Roads 12 & 9 from Middletons to US Highway 80, Lowndes County, AL

Resurfacing and Traffic Stripe US 80, Lowndes County, AL

Bridge Replacement (Bridge Culverts) On Perdue Road At Three Run Creek And On Reed Road At Avinger Branch East Of Fort Deposit, AL

City of Pritchard Community Center, Pritchard, AL

06/01-03/02

**Lowe and Associates Inc**

*Senior Roadway Design Engineer "Successfully Completed Projects"*

Forum at Peachtree Parkway, Norcross, GA

Harrisonburg Crossing Roadway Improvements, Harrisonburg, PA

Gulf stream Road, Chatham County- Savannah GA

Erosion & Sedimentation Control & Comprehensive Monitoring Plan Greene County

12/93-05/01

**Alabama Department of Transportation**

*Project Engineer "Most noted Successfully Completed Projects beyond standard resurfacing projects"*

Supervised Inspectors on all traffic control, erosion and sedimentation control measures used throughout projects

Underground Storage Tank Removal, Hwy 21, and Munford/Oxford, AL

6 mile Grade and Drain Project, Hwy 21 Munford/Oxford, AL

## **Education**

1994, Bachelor of Civil Engineer at Auburn University, Auburn AL

## **AFFILIATIONS AND CERTIFICATIONS**

Veteran Affairs Contractor 2024  
English Lead Safety Certification 2023 (GCC Alabama)  
Basic Installer Certifications ( Conventional Septic Tank) (GCC for Alabama & Georgia)  
Qualified Credentialed Inspector”ADEM” 03/2018 Alabama  
Georgia Soil & Erosion Certification 2009 Level 2 Design Professional  
United Nations Global Millennium Development Foundation member 2011  
Georgia Soil & Erosion Certification 2009 Level 2 Design Professional  
American Society of Civil Engineers (ASCE) 2009  
Local Government Project Procedures (LGPP) TXDOT 2011  
Professional Engineering License **AL 2007**, AZ 2011, FL 2011, HI 2011, SC 2011, SD 2011,  
TN 2011, TX 2011, KY 2011, MS 2011, KS 2010, **GA 2009 & VA 2021**  
NCEES International Registry Certificate 08/2010  
NCEES Record Certificate 04/2010  
GSWCC Level II Certification 2010  
Alabama Bridge Certification, 2006  
Qualified Credentialed Inspector (2003)  
Re-Certification Hazpower 2002  
Worksite Erosion & Sediment Control Certification 2001  
Hazpower Certificate 2001

- Boldness in P.E. licensure means license is currently active in state.