



Global Technology And Business Solution Engineering Incorporated

Statement of Qualifications & Capabilities

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Company Overview

GTABS Engineering is a certified minority owned engineering firm that provides electrical, civil and signal engineering solutions to the freight and light rail transportation industry. GTABS has successfully established its presence within the market as a premier engineering solutions provider. In so doing, the company has enlisted partners with extensive engineering education and knowledge which also includes over half a century of railroad engineering experience with industry leaders such as *CSX Transportation*, *Conrail* and *Norfolk Southern* railroads. Additionally, the company has recruited and employed individuals with proven backgrounds in project management, cost analysis and construction management.

As GTABS continues to carve its space in the rail engineering marketplace, the reputation for providing unparalleled customer satisfaction has become our most valuable asset. Undoubtedly, we take tremendous pride in completing our projects on schedule, under budget and injury free. Additionally, we are proud to provide a vast pallet of services which are detailed in the following sections.



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Signal and Rail Engineering Services

➤ Preliminary Engineering

GTABS' skilled professionals provide initial project consultation, crossing and wayside signal design, detailed site surveys and extensive cost analysis to our customers which assists in determining and accomplishing their needs and expectations.

➤ Project Management

Our project management teams are headed by experienced, certified project management professionals (PMPs). These project managers are seasoned and can manage rail and signal engineering projects from conception until the project is placed in service. We provide technical input and coordinate with various teams throughout the life of the projects. Our project managers are also intricately involved in the design, estimating, compiling bill of material, scheduling, construction, and in-service testing of projects. We strive to ensure that customer needs are met and quality solutions are provided. Our pool of experience within the railroad industry enables us to provide technically sound, cost effective, and user-friendly solutions to our customers



➤ Construction Management

GTABS provides a wide range of construction management services through a staff with numerous years of training and experience as construction supervisors, managers and engineers for class 1 railroad companies. With this experience, we provide initial engineering budgeting, design and plans review, quality assurance, on-site supervision and quality control for all phases of rail and signal engineering. We are also able to provide technical assistance during installation and FRA required in-service testing and documentation.



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➤ **Support Services**

GTABS provides many additional support services. Our electrical engineers have experience in electrical distribution and we are able to conduct power surveys, obtain electrical/power permits and coordinate installation of power services with local companies. We will also provide initial site surveys used for preliminary engineering and design. With experience in signal construction and maintenance, our surveyors provide detailed, technical surveys. Additionally, GTABS is able to supply in-service testing for crossing and wayside signal projects. We conduct all required FRA tests and inspection while competing and providing necessary documentation for the required test. Our staff is also equipped with design engineers and CADD operators to generate and update necessary plans for various projects.



➤ **Consulting Services**

GTABS offer a number of consulting services to railroad companies as well as municipal, state, and federal transportation agencies. Our engineers have experience in performing crossing diagnostic reviews for various state departments of transportation. Also, our signal engineers are able to provide technical assistance in support of state funded and mandated DOT projects. We are able to review plans submitted by railroad companies to determine technical soundness and feasibility of the design. We also perform numerous types of rail studies and provide extensive data collection to assist in volume and development planning.

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Current and Previous Projects

CSX Rocky Mount, NC Intermodal

GTABS is currently providing construction management and cut-in support for several signalization upgrades for the Rocky Mount Intermodal project. Our efforts enabled CSX Transportation to provide regional industries with convenient access to rail, helping connect products to consumers nationwide.



Florida's Brightline High Speed Rail

GTABS is currently providing system test engineering and cut-in support for WabTec on phase I of Florida's Brightline High Speed Rail project. Brightline is actively constructing a new rail line to bring passengers from our Miami, Fort Lauderdale and West Palm Beach stops to Orlando. Our team is hard at work to continue our excited expansion plans. Service connecting South Florida to Central Florida is expected to open in 2022.



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Current and Previous Projects



CSX/MARC Carroll Street Interlocking

GTABS is currently providing construction management services to CSX Carroll Street Interlocking project in Baltimore, MD. The expansion plays a paramount role in improving MARC train service for the Maryland Transit Authority.

CSX I-26 Corridor Upgrade

GTABS provided construction management and project management services to CSX on the I-26 Corridor Switch and Rail Upgrade project. CSX Transportation appropriated approximately \$14.4 million to upgrade track and signal infrastructure in the Sea Board region along Interstate-26.



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Current and Previous Projects

CSX Birmingham Double Track

GTABS provided construction management services for a three-phased CSX double tracking project along the company's mainline through Birmingham's terminal. Nestled in the heart of Alabama's largest city, the \$2 million project increased rail capacity and eased highway traffic. GTABS is managing the construction aspect of the entire project which encompasses supervising CSX signal team, reviewing design plans, coordinating essential materials and equipment, and organizing the daily duties for the construction team.



RCL - BNSF Wyoming Switch Upgrade

As a subcontractor, GTABS successfully provided construction management, project supervision and cut-in support for the large scale signalization upgrade project in Wyoming. Our efforts enabled BNSF to convert previous dark territory to signal territory, thereby increasing track speed while decreasing delivery times for its clients along the mid-west corridor. Because the corridor serves as the gateway between the east and the west for freight rail transportation, the signalization project was paramount to the industry.



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Key Personnel and Management Staff

- **Jerome Hall**, *Chief Executive Officer*, (MS Management of Technology, Georgia Institute of Technology) initially founded GTABS International as an information technology consulting firm for small to medium businesses. He has over 15 years of extensive information technology and project management experience in various industries to include federal, healthcare, logistics and education. Since the business's inception at the turn of the century, his vision has been to provide superior technology solutions by becoming an integral part of the clients' day-to-day operations. In so doing, the clients are able to focus on their core competencies while leaving the technology and engineering solutions to a vital, customer conscience business partner – GTABS Incorporated.
- **Lamar Hall**, *President*, (BSEE, Florida A&M University) started in the engineering industry as an electrical engineer trainee with the U.S. Army Corp Engineers 1992. He also served as an engineer officer for the U. S. Army. Upon leaving active duty after 4 years of service, he started in the railroad industry with CSX Transportation as General Supervisor of Signal Construction. Lamar worked seven years at CSX Transportation as a field supervisor/engineer for numerous construction projects. After serving as a project manager and signal designer for Southwest Signal Engineering, Lamar became a co-founder of GTABS Incorporated.
- **Walt Patterson**, *Executive Vice President*, (Banking, Southern Methodist University), has over 30 years of management experience including 27 years of contract negotiation experience, and four years with the Arkansas State Government at the executive level directing the efforts of 13 divisions and offices consisting of more than 8,000 employees. He has extensive project management experience including the Georgia Healthcare Partnership (GHP) which entailed the total redesign of the state operated Medicaid system, supporting over 3 million Georgians and thousands of healthcare providers.



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Key Personnel and Management Staff

- **Craig Thomas**, *Senior Project Engineer*, (BS, Civil Engineering, University South Alabama), has over eighteen years experience in Transportation & Municipal Civil Engineering; Experience with personnel management and construction project management on various types of engineering project.
- **Bobby Evans**, *Senior Signal Engineer*, has over 41 years of signal engineering and maintenance experience with industry leaders such as Conrail and Norfolk Southern. He managed up to 42 men in the installation of over 35 miles of Electro Code cab signals from Alliance, OH to Macedonia, OH, 2 complete interlockings with HVLC controls and assisted in numerous signal cut-overs from Chicago, IL to Harrisburg, PA.



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Current & Past Client-base



GTABS has provided field surveys, design, preliminary engineering, construction management cut-ins and as-in-service support for CSX Transportation.



GTABS has provided construction management and cut-ins support for Railroad Controls Limited.



GTABS, as a subcontractor, has provided construction management and cut-ins support for Burlington Northern Santa Fe Railway.



GE
Transportation

GTABS has provided field surveys, preliminary engineering and as-in-service for GE Transportation.



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Professional Affiliations



Conference of Minority
Transportation Officials
(COMTO)



Georgia Department of Transportation
Certified Disadvantage Business
Enterprise (GA DBE)



Florida Department of Transportation
Certified Disadvantage Business
Enterprise (FL DBE)



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