

Driven Engineering, Inc.

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Avalisha Fisher, P.E.

Education: University of South Alabama
Mobile, Alabama BSCE, 1993 (Cum Laude)

Certifications: Professional Engineer Licensed in the following States:
Alabama, Arkansas, Mississippi, Georgia, and Florida

Professional Associations:
TAU BETA PI Engineering Honor Society, Greater Gulf Coast Alumnus Chapter-President
American Society of Civil Engineers (ASCE),
University of South Alabama Civil Engineering Department Advisory Board
University of South Alabama Engineering Alumni Association – Treasurer
National Association of Women In Construction (NAWIC)
National Society of Professional Engineers (NSPE)
Partners for Environmental Progress (PEP)

Firm Experience: **President, Project Manager, & Civil Engineer**
Driven Engineering, Inc., Semmes, Alabama
February 2006 to present
Owner/operator of a project and purpose driven engineering firm with capability of completing projects including but not limited to: civil engineering design of highways and streets, traffic studies, rail spurs, small bridges, culverts, drainage improvements including lined and unlined open channels, site grading and drainage plans ranging from 0.25 acres to hundreds of acres, industrial site designs, facility/port security planning, hydraulic and hydrologic studies, water and sanitary sewer systems, wastewater treatment plants, FEMA flood map revisions, Coastal and stormwater permitting, Corps permitting, pipeline routing and detailed design, and related infrastructure.

Civil Engineer, Project Manager
Gulf States Engineering, Inc., Mobile, Alabama
March 2004 to February 2006
Civil engineering design of sites, highways and streets, railroads, small bridges, drainage improvements including lined and unlined open channels, site grading and drainage, hydraulic and hydrologic studies, water and sanitary sewer systems, FEMA flood map revisions, Coastal and stormwater permitting, Corps permitting, and related infrastructure.

Civil Engineer, Project Manager
Rowe Surveying and Engineering Company, Inc., Mobile, Alabama
May 1993 to March 2004
Grading and Drainage designs and permitting through Mobile County, Baldwin County, City of Mobile, and ALDOT; Hydraulics & Hydrology using numeric analysis (SCS, HEC-2, HEC-RAS) for FEMA review and approval; design of streets, highways, small bridges, drainage, and related infrastructure; permit applications for stormwater discharge and coastal zone permits; monitoring BMP's throughout the life permits, environmental permitting for civil engineering projects and CBMPP plans, Design and plan water supply systems including analysis of head loss for required fire flows in looped systems, design and plan sanitary sewer systems, including gravity mains, force mains, and lift stations, and design of drainage structures: concrete, gabion, and other lined channels, box culverts, and conduits utilizing both computerized and traditional methods.

Project Management and Design Experience:

Standard Concrete, Theodore, Alabama Industrial Access Road Design: Design of over 1 mile of access road for Standard Concrete plant site in Theodore, Alabama to meet load and turning requirements of the specialized vehicles that will be transporting completed product from the site, and meeting Mobile County road requirements. Project had to be designed to meet client's requirements as well as Mobile County's requirements to accept the road for maintenance.

Gulf Atlantic Operations - design of several rail spurs and truck-rail transloading areas, certification of containment volumes for five distinct tank farm areas on three individual sites in Chickasaw and City of Mobile, and rail condition survey with recommendations to improve maintenance costs.

IPSCO Steel Heat Treat facility, Axis, Alabama: Site grading and drainage design and commercial site plan for Mobile County approval for a 23 acre area for a new \$60 M TIC, 126,000 sf heat treat facility at the existing IPSCO steel mill site including heavy haul roads, utilities, and rail spur improvements.

Millard Refrigerated Services: Site grading and drainage of a \$60M TIC, 19 acre waterfront site for the largest refrigerated warehouse in the State of Alabama. Railroad and access road design to complete the site's intermodal access for product shipping, and port security planning per Coast Guard requirements are also included in this project.

Dunhill Terminals – grading and drainage and heavy haul road design of new \$36M, 850,000 barrel storage expansion, 15 acre tank farm on Blakeley Island with City of Mobile permitting and ALDOT permitting of entrances, fire code requirements, and No-Rise Flood Study of the Mobile River using HEC-RAS.

Millard Refrigerated Services, McAllen, Texas: Site grading and drainage of a 30+ acre industrial site for the Phase IV expansion of an existing refrigerated warehouse including storm drainage detention design per City of McAllen requirements.

Tate and Lyle Saltstream Pipeline to Ciba Routing and Design: Design of Pipeline routing and necessary borings to cross under several roadways, existing utilities, other pipelines, and Norfolk Southern's railroad.

Tate and Lyle Sucralose Plant Expansion: Civil site planning and design for plant expansion including storm water drainage design, topographic mapping, and roadway design.

Oceanering Multiflex Facility Site Grading: Site grading and drainage design checking and modifications for a waterfront plant in Panama City, Florida, site for the largest undersea umbilical pipe manufacturing plant in the world.

GE Road and Storm Drainage Improvements: Design of access road and storm water drainage for GE Plant in Mississippi to allow for loading of railcars.

University of South Alabama - design of a new practice fields and football field house site grading and drainage for the new Jaguar Football team. Project was time-sensitive and construction-driven to meet timeline for start of new football season.

Street and Drainage Improvements for Rock Road- design and construction management of GDBP of a one-mile industrial road which was accepted for maintenance by Mobile County, Alabama.

University of South Alabama Intramural Fields: Grading and drainage of a 34 acre site for six terraced ball fields through an old creek bed with an underground stormwater detention system.

Bellcase Development: Conceptual site layout/land planning for an **898** acre development planned for Prichard, Alabama. Using wetland delineation by Barry Vittor & Associates, LIDAR contours for Mobile County, and a preliminary flood map revision of Branch "A" (completed in house), a preliminary layout of a mixed use development was prepared for the first 200 acres. Once the preliminary layout that meets City of Prichard Subdivision Regulations was prepared, Autodesk Impression was used to create a publicity/marketing sketch of the development.

Flood Studies and/or Flood Map Revisions – HEC-2 and HEC-RAS river modeling to evaluate impacts on flood zones, provide no-rise certifications, or to revise published flood zone lines along the following creeks and establish new regulatory floodways in the vicinity of proposed projects: Rabbit Creek, Mobile River, Alabama River, Twelvemile Creek, Second Creek, Montlimar Creek, Dog River, Tributaries to Dog River, Rattlesnake Bayou, Magnola Branch, Tributary to Bell Branch, Tributary to Coden Bayou, Alligator Bayou, Muddy Creek, Milkhouse Creek, Three Mile Creek, Big Stickney, Little Stickney, Eslava Creek, and others...

Ramey Road and Tanner Road: design of 1.2 miles of grade-drain-base and pave roads design for Mobile County, Alabama.

Mason Ferry Road: Grade-drain-base-pave design of 2.0 mile segment of a Mobile County Road.

Jack Williams Road, Snow Road North, and Wulff Road South: Widening and resurfacing design of approximately 8 miles of Mobile County roads, part of the 2004 Pay-As-You-Go Program including superelevation design, accident studies, and computation of cost per accident eliminated for various design schemes

Schillinger Road North - design and construction management of **5 miles** of widen and resurface on a 2-lane road for Mobile County, Alabama including accident study and computation of cost per accident eliminated for various design schemes.

Wilmer-Georgetown Road – design and construction management of **8 miles** of widening and resurfacing of an existing paved rural road for Mobile County, Alabama including superelevation design, accident study, and computation of cost per accident eliminated for various design schemes.