Providing Superior Engineering

WATER
WASTEWATER
ENVIRONMENTAL
GEOTECHNICAL
TRANSPORTATION
ARCHITECTURAL
SITE-CIVIL
PROJECT MANAGEMENT
SURVEYING

GD&F
GWIN DOBSON & FOREMAN ENGINEERS
Superior engineering and superior performance have been Gwin, Dobson & Foreman trademarks for over 60 years. Our full service engineering capabilities are highly respected and widely known for uncompromising integrity and topnotch quality. While many of our projects have been recognized for their design and innovation, our primary goal is to ensure that projects meet or exceed the expectations of our clients.

From planning and design to construction and commissioning, GD&F’s expert and experienced staff is ever mindful of project cost, function and operation. Our dedicated professionals are committed to delivering the best work on time and within budget.

We invite you to find out more about our superior engineering services. Log on at gdfengineers.com, email us at info@gdfengineers.com, or call us at 814-943-5214.
Water Supply

Meeting the demands of all customers at all times is a never-ending challenge for the water industry. For over sixty years, Gwin, Dobson & Foreman has met these demands with innovative water supply solutions.

GD&F provides complete services for the planning and development of water resources projects. This work includes groundwater exploration, studies for intakes, dams and reservoirs, regional water supply planning, watershed protection, flood control and dam safety improvements.

Our design experience covers the full range of water supply facilities including new dams, spillways, intake structures, levees and floodwalls, transmission systems, channels and diversions, well field development and reservoirs. GD&F also prepares watershed protection studies, vulnerability assessments and emergency response plans for many public water suppliers.
Water Treatment

Gwin, Dobson & Foreman understands the current regulatory environment and the increased significance of creativity and flexibility in treatment plant design. We have become an industry leader in the effective use of new water treatment processes and technologies including membrane filtration.

GD&F emphasizes “multiple barrier” protection for treatment plant design and regulatory compliance. We also use the latest technology in process treatment, system operations, monitoring and process control.
Wastewater Systems

As a leader in the planning and design of wastewater projects, Gwin, Dobson & Foreman sets the pace in technological innovation.

Highly trained, skilled in the most current technologies and well versed in regulatory standards, our engineers and scientists apply years of experience to each project.

TREATMENT – From headworks to disinfection and fixed film to suspended growth systems, GD&F knows wastewater treatment. GD&F is at the forefront of biological nutrient removal (BNR) treatment systems. Our award winning BNR designs include a plant recognized with a Superior Achievement Award by the American Academy of Environmental Engineers and Scientists.

CONVEYANCE – GD&F excels in the design of conveyance systems such as interceptor sewers, pumping systems and sewer overflow control.

COLLECTION – Along with sewer diagnostics methods, GD&F quantifies hydraulic conditions through flow monitoring and modeling for cost-effective sanitary sewer system design.

GD&F is fully qualified in the design of trenchless technologies for sewer system rehabilitation including slip-lining, pipe bursting, directional borings, cured-in-place pipe (CIPP) and sealing and grouting systems.
Environmental & Geotechnical Engineering

Gwin, Dobson & Foreman’s staff of environmental engineers and scientists are certified specialists in their fields. From wetland delineation and mitigation to environmental assessments and permitting, GD&F has the know-how and experience.

Our environmental expertise includes urban drainage systems, erosion and sedimentation control, BMPs, stormwater management, stream restoration and NEPA studies.

Geotechnical engineering has taken on increased significance as landslides, ground subsidence, structure settlement, ground water intrusion and foundation stability problems have become all too common occurrences. We are experienced in all geotechnical design techniques and applications. Our engineers use time-tested geological and soil engineering methods for subsurface investigations and foundation analysis. GD&F has designed heavy civil structures including ground and rock anchor systems, drilling and grouting programs, ground stabilization and mass concrete structure foundations.

We provide these and many other combined professional services to the oil and gas industry for waste containment, environmental assessment and remediation, geochemistry, hydrogeology, and contaminate cleanup and closure reports.
Transportation & Bridges

Gwin, Dobson & Foreman’s in-depth experience includes the design of major roadway and bridge projects and related transportation improvements. Our full range of transportation engineering services includes roadway planning and design, traffic studies and signalization, geotechnical engineering, foundation and structure design, hydraulic and hydrologic engineering, environmental studies and permitting, surveying and construction inspection.

GD&F’s experienced staff has planned and designed many single and multi-span bridges, railway facilities and urban streetscapes. With our extensive DOT experience comes a thorough familiarity with the latest design standards and project management techniques.
Gwin, Dobson & Foreman has served as an architectural engineer for many institutional, industrial and commercial building projects. Our full-service capabilities ensure a cost-effective, yet fully functional building system. GD&F also supports the efforts of architects through structural, environmental and H-P-E design.

The increasing demands of land use planning and best management practices require the utmost in civil engineering skill and creativity. Integrating site development appropriate to its use and setting is a priority at GD&F. Our personnel are fully experienced in drainage and utility systems, stormwater BMPs, traffic control and parking and urbanscape design.

From environmental assessments and master planning to stormwater management and civil-site design, we provide the full range of site engineering capabilities.
Project Management & Surveying

Knowledgeable professionals, customer service, teamwork – these are hallmarks of the Gwin, Dobson & Foreman project management philosophy. Our process emphasizes quality and accountability. Our experienced team of construction managers and inspectors uses the latest quality assurance and cost control techniques. The result is an innovative, functional and affordable project that meets each client’s expectations.

GD&F knows the importance of conveying accurate and up-to-date project information. We use such techniques as public participation, newsletters and social media to keep clients and the public informed.

With full service capabilities in property, topographic and construction surveying, GD&F has completed hundreds of surveying projects including the layout of infrastructure, roadways, bridges and railroad lines to exacting specifications using the latest in GPS, robotic and unmanned survey technology.
FROM PROJECT PLANNING AND DESIGN, TO CONSTRUCTION AND OPERATION, YOU CAN COUNT ON GWIN, DOBSON & FOREMAN FOR SUPERIOR ENGINEERING AND PERFORMANCE.