

Civil Engineering

To address the many and diverse civil engineering and infrastructure demands found in both the public and private sectors, Dragon GI's civil engineering team puts responsiveness and client focus to the forefront. The firm's commitment is to provide the best quality project within the budget that is technically accurate, in compliance with governing agency requirements, environmentally sensitive, and meets the needs of clients.

- Land Development Services
- Pipeline Engineering Services
- Transportation Engineering Services

Dragon GI's capabilities in these areas include:

Land Development Services

- Site investigations
- Infrastructure analysis
- Due diligence & feasibility studies
- Drainage studies & engineering
- Grading design
- Storm water drainage system design
- Water & wastewater system design
- Wastewater collection systems & treatment facilities
- Street & roadway design
- Land boundary surveying
- Topographic & utility surveying
- Construction staking
- Construction management

Dragon GI provides custom engineering services for a wide variety of pipeline problems concerning design, construction, and operation of pipelines. Our mission is to design efficient solutions to pipeline problems at the lowest possible cost.

Pipeline Engineering Services

- Site investigations
- Infrastructure analysis
- Route investigation and selection
- Surveying and staking
- Pipeline geotechnical management
- Pipeline engineering / design
- Earthworks Control System
- Pipeline crossings solutions
- Station facilities

Transportation Engineering Services

- Roads and Streets
- Railways and High speed Rails
- Light rails – Urban transport
- Metros – stations and terminals

Architecture Services

Dragon GI maintains a solid reputation for delivering exceptional architectural and interior design services to government, private sector, and industrial clients. The firm's extensive resume ranges from the planning and design of technically sophisticated high containment laboratories and research facilities to government office buildings, quality-of-life facilities, and private sector industrial, office, manufacturing, and warehouse projects.

Merrick's architects and interior designers are experienced at clearly identifying client needs and program requirements and translating that knowledge into responsive design solutions. Communication is the key: through workshops, charrettes, and client interaction as well as tapping into the extensive knowledge base found within the multiple disciplines in the firm, Merrick's architects and interior designers consistently deliver functional, aesthetically pleasing, sustainable architectural solutions.

Architecture & Interior Design Services:

- Programming
- Feasibility analysis
- Existing facility analysis
- Site planning
- Space planning
- Budgeting & cost estimating
- Specialty consulting
- Schematic & conceptual design
- Design development
- Contract documents
- FF&E specification/selection/procurement/installation coordination
- Contractor pre-qualification

- Bid/contract award assistance
- Construction administration
- Building commissioning
- Warranty review

LEED® & Sustainable Design

Merrick's talented architects, in close collaboration with the firm's mechanical, electrical, civil, and structural engineers, incorporate sustainable design principles into projects on an ongoing basis. As a member of the U.S. Green Building Council (USGBC), the firm currently has over 40 LEED® Accredited Professionals who have been involved in the design and construction of LEED® qualified facilities.

CAD & Building Information Modeling (BIM)

Project design, animation, visual databases, site integration tools, and BIM are all components of Merrick's architecture and interior design capabilities and services. The firm maintains the latest technology in order to allow clients to clearly visualize the end product during the planning and design phases and utilize highly intelligent BIM models for ongoing operations and maintenance functions.