

Design-Build
Transportation



gai consultants

Transforming the
Way We Travel

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Design-Build

Streamlining Solutions

Design-build takes a more practical approach to projects, relying on a single team to efficiently move projects from concept to completion. Knowledge sharing between engineering and contractor team members, as well as early and continuous coordination throughout all phases of the project, provides clients with innovative design solutions that result in significant cost savings and efficient, accelerated project schedules.

GAI partners with reputable construction firms to “value engineer” clients’ projects. When design, engineering, construction, and permitting activities are integrated under one team, project timelines are decreased significantly. Built over several decades, GAI’s trusted relationships and familiarity with agencies streamline approvals, reduce risk, and lower costs.

From complex infrastructure improvements to local roadway upgrades, our teams use innovative scheduling and strategic planning to develop preliminary and final designs that meet project goals. Backed by more than 55 years in business, GAI is a design-build partner dedicated to building superior projects.





GAI's success is built on trusted relationships and respected professional reputations.

What Distinguishes GAI

- Transportation engineering staff throughout the Northeast, Midwest, and Southeast create a trusted team of design-build professionals
- Proven record of partnerships with premier construction firms that benefit clients and their projects
- Value engineering, innovative approval processes, and a faster delivery system, based on years of building trusted relationships with regulatory and permitting agencies that results in long-term cost reductions
- Proven design-build project delivery process that achieves winning results for clients

Design-Build Services

Technical Proposal Preparation

- Collaboration with design-build team, owner, and other stakeholders
- High technical scores due to strategic combination of innovative design approach, cost efficiency, and project goals
- Proven success, earning high technical scores on all design-build delivery methods

Conceptual Design

- Design development through collaboration with all project stakeholders
- Proactive evaluation of plans
- Creative design concept modifications
- Utilization of value engineering
- Strategies to maintain good public relations

Construction Cost Estimating

- Detailed construction cost estimates
- Consideration of all required agency permits
- Coordination with entire design-build team
- Accurate construction pricing

Preliminary and Final Engineering

- Drafting of preliminary plans based on conceptual designs
- Finalized plans following designated design standards
- Constructability reviews
- Safe, efficient, and innovative traffic control plans
- Construction sequencing optimization

Permitting

- Agency permitting addressed during conceptual design review
- Thorough understanding of agency regulations and standards
- Strong relationships with local, state, and federal permitting agencies
- Permitting that begins immediately upon notice-to-proceed

Construction Scheduling

- Early review of construction scheduling and milestones
- Schedules based on conceptual design objectives
- Understanding of permitting and agency review impact on scheduling
- Expedited permitting processes

Constructability Review

- Potential areas of conflict identified in conceptual design
- Examination of value engineering potential
- Discussion of potential challenges, material deliveries, and equipment maneuvering

Value Engineering

- Incorporation of value engineering concepts into every stage of design
- Proactive focus on cost reduction throughout the project



SR-9B Design-Build, Jacksonville, FL

Prime consultant for 3.5 miles of new alignment along Interstate 295 in Jacksonville, FL, including 13 bridge structures over waterways and wetlands, and active Interstate highways. The System-to-System interchange at the intersection of I-295 and SR 9B will accommodate future build-out.

San Sebastian River Bridge, St. Augustine, FL

The FTBA and DBIA award-winning structure is a new 4-lane bridge along US-1 over the San Sebastian River with an aggressive 665-day design and construction schedule and a no-excuses complete date, to meet the historic city's 450th anniversary celebration.



About GAI Consultants, Inc.

Transforming ideas into reality[®] since 1958, GAI is an employee-owned engineering, planning, and environmental consulting firm providing local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets.



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