



Gannett Fleming
The VANUS Group

Intelligent Transportation Systems (ITS)

The VANUS Group of Gannett Fleming is a leader in the application of technology to solve transportation problems and issues. Our broad offering of planning, engineering, system integration, construction management, and software development services ensures that we are uniquely positioned to meet any project challenge.

In today's ever-changing world, the focus of transportation agencies has evolved. The focal point has expanded beyond building and maintaining transportation networks to include improving the efficiency of existing operations. It is a well-established belief that slowly adding infrastructure will not meet future demands in transportation network capacity. Improving mobility and safety, reducing fuel consumption and emissions, and providing effective traveler information are prime concerns in today's market. As a result, transportation operations have become the primary focus to efficiently manage the transportation network. ITS makes this possible.

OUR ITS EXPERIENCE AND CAPABILITIES INCLUDE:

- Strategic Planning and ITS Architecture Development
- Freeway Management Systems (FMS)
- Advanced Transportation Management Systems (ATMS)
- Advanced Traveler Information Systems (ATIS)
- Advanced Public Transportation Systems (APTS)
- Traffic Management Centers (TMCs)
- System Management
- Traffic Signal Corridor and Arterial Management Systems
- Transit Signal System Improvements
- Commercial Vehicle Operations (CVO)
- Electronic Payment and Pricing
- Web-Enabled Software Solutions
- Asset Management Systems
- Systems Integration
- Telecommunications Systems
- Incident and Event Management
- Work Zone Safety and Mobility
- Construction Engineering and Inspection (CEI).

ITS PLANNING

Our planning deliverables provide a blueprint to guide ITS implementation. Our comprehensive approach to ITS planning ensures that deployments meet the needs of the geographic region in which we are working. We have repeatedly shown that a properly executed ITS planning effort drastically increases the probability of success. Proper planning ultimately reduces risk and project costs by identifying key issues early in the project development process.



ITS ENGINEERING

Our approach builds upon the planning stages of the systems engineering process. We work directly with clients during the requirements definition phase to develop a true picture of what a system must provide. We then make that vision a reality by continuing the partnership in preliminary design, final design, and into construction management and acceptance testing services.

SYSTEMS INTEGRATION

Systems integration is essential to providing a seamless ITS system, allowing multiple technologies to work together and communicate effectively. The VANUS Group of Gannett Fleming has the necessary expertise to ensure all ITS components, including hardware, software, field devices, computers, and communications equipment, work together efficiently. This provides our clients the most effective management of traffic and transportation infrastructure. Our ITS engineers and technicians have extensive experience in implementing, inspecting, and troubleshooting software, device installations, and communications networks.

ITS SOFTWARE SOLUTIONS

For more than 20 years, the GeoDecisions division of Gannett Fleming has provided innovative and cost-effective software solutions for more than 35 transportation agencies across the U.S. GeoDecisions' diverse offerings and customized solutions have enabled our clients to improve the safety and efficiency of roadways and transit systems, maintain highways, and plan for capital improvements. Its software experience spans the entire lifecycle of software applications, from the initial planning efforts through system requirements definition, system design, development, integration, implementation, hosting, and maintenance.



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