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## ITS CAPABILITIES

A charter member of ITS-America, HNTB has more than 30 years of ITS experience. Harnessing the power of technology for surface transportation is an HNTB specialty. We pioneered the planning, design and implementation of comprehensive intelligent transportation systems in the 1960s, and we have completed more early deployment plans than any other firm.

Today, HNTB uses innovative technology to improve the efficiency of surface transportation systems nationwide. We deploy the most sophisticated technology available for advanced traffic management and traveler information, virtually fitting it into America's backyard.

### TRAFFIC MANAGEMENT SYSTEMS

HNTB is known for our innovative system design capabilities, and we are nationally recognized for the design and implementation of traffic management systems, incident management programs, and computerized traffic control systems. Our design teams balance state-of-the-art technologies with the application of conservative system analysis and design based on the requirements of existing and projected system characteristics.

HNTB's innovative traffic management system designs have incorporated the National Transportation Communications for ITS Protocol as well as the National ITS Architecture. Our talented engineering professionals have designed complex systems that use the latest technologies and include elements such as dynamic message signs, CCTV cameras, ramp signals, incident detection, and Internet-based traveler information systems. Our national pool of experts enhance our ITS teams with specialized expertise and services ranging from custom traffic management software development to traffic management center design.

# HNTB

### SERVICES AND CAPABILITIES

- Feasibility Studies/Preliminary Engineering
- Advanced Traffic Management, Traveler Information and Public Transportation Systems
- ITS Early Deployment Studies
- ITS Architecture Development
- Public Involvement
- System Evaluation
- Incident Management Coordination and Design
- Detailed System Design
- Implementation Support and Monitoring
- Construction Inspection
- HOV/HOT Facilities
- Electronic Toll Collection
- Commercial Vehicle Operations

### PROJECT EXPERIENCE

- ITS General Consultant for Florida's Turnpike Enterprise
- Bay County System Management Project for FDOT District 3
- I-95 Hurricane Evacuation System Design-Build for FDOT District 5
- Traffic Incident Management for FDOT District 6
- I-275 Dynamic Message Sign System Design-Build for FDOT District 7
- Tampa Bay SunGuide Freeway Management System for FDOT District 7
- ATMS Feasibility Study/Implementation Plan for Orange County
- ITS Early Deployment Studies for more than 12 metropolitan areas

Our team's familiarity with both national and regional ITS architecture and communication standards and protocols means we can develop flexible, integrated system designs that are consistent with our clients' current and future requirements.