

AECOM's ITS practice offers solutions to our transportation mobility challenges with a wide variety of expertise encompassing all phases and applications of ITS programs, including: transportation management centers; freeway management systems; urban traffic control and management systems; managed lanes systems; traffic incident management; electronic toll and road user charging systems; transit control and priority systems; bus traveler information systems; airport operations systems; and traffic surveillance and monitoring systems. Specifically, these services include the following:



Research and Development - Development and application of ITS standards; ITS policy development; business process and case consultancy; operational, process and institutional development.

Planning - System architecture, conops and strategic plans; ATMS, UTC and UTMC feasibility studies; traffic flow simulation and visualization; special event planning and management; open road tolling feasibility and development.

Systems Integration - Specification of hardware/software; software development/design; web-based tools development; systems integration, testing and training.

Design and Implementation - Advanced traffic management systems; security and communications systems; traffic controller hardware/software; transportation management centers.

Construction Engineering and Inspection - Day-to-day inspection; system testing and acceptance; claims avoidance management.

Operations and Maintenance - SOP manuals, training and certifications; control room and service patrol operations; IT/network management; traffic incident management; traveler information services; preventive, corrective and emergency maintenance; performance management.

Electronic Toll Collection Systems - Open road tolling and managed lanes systems; regulatory, political and policy analysis; traffic and revenue forecasting; technology management and procurement services.

Transit Control Systems - Signaling and train control systems; communications and electrification systems; command and control centers.

Airport Operations Systems - Airline and airside operations systems; landside operations systems; safety and security systems; IT and communications systems.

Over the past 40 years, AECOM has provided ITS and traffic systems services to clients in over 25 states, including Florida. A sampling of ITS projects that AECOM conducted in other states is presented below:

- ❖ Houston TranStar ITS GEC, Systems Engineering
- ❖ Chicago Transportation Management Center, Preliminary Engineering

- ❖ Central Ohio Transit Authority ITS Consulting Services
- ❖ Boston Regional Concept of Transportation Operations
- ❖ Honolulu Joint Traffic Management Center, Program Management
- ❖ VDOT, I-64 HOV / Reversible Lanes TMS, Design, CEI, O&M
- ❖ RIDOT, Transportation Management Center, Operations & Maintenance
- ❖ Washington, D.C., Computerized Signal System, Operations and CCTV Design Build
- ❖ Cleveland, Akron, Canton, Columbus and Dayton Freeway Management Systems
- ❖ Pennsylvania Turnpike Advanced Traveler Information System, Design
- ❖ New Orleans Computerized Signalization System
- ❖ MTA Bridges & Tunnels VMS / VSLs Design, New York
- ❖ New Jersey Highway Authority ITS, Design
- ❖ Delaware River Port Authority TMC and ITS, Design
- ❖ Syracuse and Westchester Signal Systems, New York
- ❖ New Jersey Route 1 Advanced Traffic Management System, Design
- ❖ FHWA Computerized Signal System Course, Training and Primer Manual
- ❖ San Diego Computerized Signalization System, Design
- ❖ VDOT Northern Virginia Traffic Management System, Design

A listing of ITS projects conducted by AECOM within the state of Florida is presented below.

FLORIDA ITS EXPERIENCE

FDOT District 1

- ✓ City of Naples / Collier County Advanced Traffic Management System, Group I, CEI
- ✓ Lakeland Signalization System, Package “A” and “C”, CEI
- ✓ Winter Haven Signalization System, CEI
- ✓ Manatee / Sarasota Traffic Management Center, Design Criteria Package (sub)

FDOT District 2

- ✓ Jacksonville RTMC / Multimodal Transportation Center, Design
- ✓ Lem Turner Signalization System, CEI

FDOT District 3

- ✓ Tallahassee Advanced Traffic Management System, Master Plan

FDOT District 4

- ✓ SMART SunGuide RTMC, Master Plan, Design and Operations
- ✓ FDOT District 4 ITS Training
- ✓ Palm Beach County RTMC, Master Plan (sub)
- ✓ Advanced Incident Information System, Feasibility Study
- ✓ Broward County Computerized Signalization System, Groups 2 – 4, Design and CEI
- ✓ Palm Beach County Computerized Signalization System, Groups 1 – 5, CEI
- ✓ Traffic Incident Management Team Consultant
- ✓ Fort Pierce and Port St. Lucie Signalization System, CEI

- ✓ Severe Incident Response Vehicle Program, Operations
- ✓ I-95 ITS Deployment, Northern Counties, CEI
- ✓ Northern Counties Incident Management Support, Planning & Design

FDOT District 5

- ✓ I-4 Surveillance / Motorist Information System, Phase I, System Manager

FDOT District 6

- ✓ FDOT District 6 RTMC, Operations including Managed Lanes & Ramp Metering
- ✓ I-95 SunGuide Package “A” and “B”, CEI
- ✓ Transportation Management Center, Video Wall Design Criteria Package and CEI
- ✓ FDOT District 6 ITS / Public Involvement, GEC
- ✓ FDOT District 6 ITS Maintenance (sub)
- ✓ SR 826 / Upper Keys ITS Deployment, Design Build (sub)
- ✓ US 1, SR 826, I-395, Brickell Avenue Bridge ITS Deployment, CEI
- ✓ MDX TMC Operations

FDOT District 7

- ✓ Tampa SunGuide RTMC, Design & Operations (sub)
- ✓ I-75 Motorist Aid Call Box System, CEI
- ✓ Tampa Advanced Traffic Management System, Master Plan
- ✓ Pinellas County Advanced Traffic Management System, Feasibility Study (sub)

Florida Turnpike Enterprise

- ✓ SunNav Phase III (Sawgrass Expressway), CEI
- ✓ SunNav Phase IV, CEI (sub)
- ✓ SunNav South Florida Part A, CEI (sub)
- ✓ SunNav Phase I Fiber Project, Preliminary Design and CEI
- ✓ Dynamic Message Signs, CEI (sub)