Advanced Transportation Management System (ATMS)

A leader in intelligent transportation systems (ITS), Southwest Research Institute® (SwRI®) has over 20 years of experience developing, deploying, and maintaining small- and large-scale ITS systems.

ActiveITS is a proven and stable system, capable of obtaining 99.99%+ uptime, and can run in clustered, virtualized, and cloud-hosted configurations.

SwRI is a premier provider of ITS systems and is the only Capability Mature Model Integrated® (CMMI®) Level 5 organization in the ITS industry.

- 9 of 25 largest U.S. cities
- 10 U.S. states
- 13,000 miles of urban and rural managed roadways
- 50+ deployments
- 60+ vendor interface protocols
- 6 to 2,000 field devices per deployment
- 30+ functional modules for an integrated traffic management solution

SwRI is a leader in intelligent transportation systems (ITS).
ActiveITS Functional Modules

- Administration
- Amber Alert
- Camera Control
- Center to Center
- Computer Aided Dispatch
- Connected Vehicle
- Contact Notification
- Dynamic Message Signs
- Event Management
- Highway Advisory Radio
- Incident Detection
- Inventory & Maintenance
- Lane Control
- Managed Lanes
- Map Interface
- Oversize Detection
- Performance Measures
- Pump Station
- Railroad Crossing
- Ramp Metering
- Reversible Lanes
- Safety Barrier
- Scheduled Action
- Service Patrol
- Social Media
- Traffic Sensors
- Travel Times
- Traveler Information
- Variable Speeds
- Video Management
- Weather Data
- Weather Sensors
- Weight in Motion
- Wrong Way Driver
- Waze

We welcome your inquiries.
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Intelligent Systems Division

ActiveITS Functional Modules

Key features of the ActiveITS system include:

- **Event Management**
  Automated event management response plans for dynamic message sign (DMS) postings, email notification, traveler information alerts, highway advisory radio (HAR) messages, and more

- **Performance Measures**
  Archiving and reporting to enable performance-based oversight of event management operations, ITS field equipment maintenance, service patrol, and ATMS operations

- **Center-to-Center Connectivity**
  Interconnected operations for information sharing and control between traffic management centers

- **Integrated User Interface**
  Management of field devices, events, and other functions by an operator in a single integrated browser/map-based/application-based interface in a Windows environment

State-owned Software

By instilling a non-proprietary approach to ITS software solutions, SwRI leverages previous ActiveITS software deployments as the baseline ATMS solution and then customizes and enhances the system based on client requirements.

SwRI’s approach to develop once and deploy repeatedly provides clients additional cost value through efficiency as well as freedom to openly integrate all utilized ITS systems.