

## EXAMPLES OF ITS PROJECTS/ELEMENTS BY CATEGORY:

### Traveler Information Services:

- Travel Reporting system (Condition Acquisition & Reporting System/511 Travel Info)
- Low Power FM
- Highway Advisory Radio
- Dynamic Message Signs
- Portable Message Signs
- Smart Call Boxes

### Traffic Management:

Signal Control System, Traffic detectors/sensors, Signal Preemption System, Interconnecting Traffic Signals, CCTV cameras & video image processing systems, Freeway ramp metering systems, Traffic Management Center, Dynamic Message Signs, Grade crossing warning systems, Over Height Warning Systems, parking management system, barrier systems

Traffic signal update? Please see FHWA's explanation at:

[http://www.ops.fhwa.dot.gov/its\\_arch\\_imp/faq.htm#its10](http://www.ops.fhwa.dot.gov/its_arch_imp/faq.htm#its10)

### Archived Data Management:

Archived roadway data management (Crash Notification System)

### Public Transportation:

Automated Vehicle Location System, Transit Management System, Electronic On-board Payment System, Transit Security Systems, Transit Maintenance Management System, Transit Signal Priority System, On-board & Remote Transit Information System

#### Vehicle Safety:

Intersection Collision Warning System, Overheight Warning Devices, Grade Crossing Warning System, Animal/Vehicle Warning System, Intelligent Specialty Vehicle System [Smart Snowplow/Snow Blower, Teleoperated & Automated Maintenance Equipment Robotics (TAMER)]

#### Commercial Vehicle Operations:

Weigh In Motion Systems, Electronic Screening, Credentials Administration System, Safety Information Exchange, Infrared Inspection System, DMS, Fleet and Freight Management System, Onboard Safety and Security System, Roadside HAZMAT Detection

#### Emergency Management:

Emergency/Incident Management System, Roadway Signal Priority, Automated Vehicle Location, Transportation Infrastructure Monitoring System, Emergency Alert System, Traveler Notification System, Emergency Early Warning System, Smart Call Boxes

#### Maintenance & Construction Management:

Automated Vehicle Location, Fleet Management System, Vehicle and Maintenance Management System, Vehicle Safety Monitoring System, Roadway Environmental Monitoring Systems (Road Weather Information System, Avalanche Detection, Bridge Scour Detection) Environmental Information Processing System, Roadway Automated Treatment (Anti-icing Systems), Maintenance Decision Support System, Work Zone Management System, Roadway Work Zone Traffic Control System, Land Mobile Radio Communications

Communications:

Standalone communications projects such as fiber, DSL, satellite, microwave, etc. will be considered as an ITS Project and are subject to the federal requirements.

**PLEASE NOTE:** This is not a complete list of ITS projects. For more information, please see the National ITS Architecture – Market Packages (<http://itsarch.iteris.com/itsarch/html/mp/mpindex.htm>)