

Missouri Department of Transportation Springfield Regional ITS Architecture Update

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Missouri Department of Transportation
Traffic Division

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Regional Concept



DISTRICT - 8

Version 1.0
July 19, 2010

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Prepared by:
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Regional Market Packages

Previously Defined Market Packages

Achieved Data Management

- AD1 ITS Data Mart
- AD2 ITS Data Warehouse

Public Transportation

- APTS01 Transit Vehicle Tracking
- APTS02 Transit Fixed-Route Operations
- APTS05 Transit Security
- APTS08 Transit Traveler Information (not currently – but within the next 4-5 years)

Traveler Information

- ATIS01 Broadcast Traveler Information
- ATIS02 Interactive Traveler Information
- ATIS04 Dynamic Route Guidance
- ATIS06 Transportation Operations Data Sharing

Traffic Management

- ATMS01 Network Surveillance
- ATMS02 Traffic Probe Surveillance (not currently – but within the next 5 years)
- ATMS03 Surface Street Control
- ATMS04 Freeway Control
- ATMS06 Traffic Information Dissemination
- ATMS07 Regional Traffic Management
- ATMS08 Traffic Incident Management System
- ATMS09 Traffic Decision Support and Demand
- ATMS13 Standard Railroad Grade Crossing
- ATMS16 Parking Facility Management
- ATMS17 Regional Parking Management

Commercial Vehicle Operations

- N/A

Emergency Management

- EM01 Emergency Call-Taking and Dispatch
- EM02 Emergency Routing
- EM04 Roadway Service Patrols
- EM05 Transportation Infrastructure Protection
- EM06 Wide-Area Alert
- EM08 Disaster Response and Recovery
- EM09 Evacuation and Reentry Management
- EM10 Disaster Traveler Information

Maintenance and Construction Management

- MC03 Road Weather Data Collection
- MC04 Weather Information Processing and Distribution
- MC05 Roadway Automated Treatment
- MC06 Winter Maintenance

- MC07 Roadway Maintenance and Construction
- MC08 Work Zone Management
- MC10 Maintenance and Construction Activity