

Defining the Regional Subsystems

The following briefly describe subsystem elements used in the Springfield region and their role. The subsystems are broken down by Center, Field, Travelers, and Vehicle.

Center Subsystems

Traffic Management

The Traffic Management subsystem operates within a traffic management center or other fixed location and generally performs the following roles:

- *Communicates with the roadway field equipment to monitor and manage traffic flow.*
- *Communicates with other Traffic Management centers **and emergency management agencies** to coordinate traffic information*
- *Detects and verifies incidents and incident information*
- *Provides incident information to Emergency Management, travelers, and other third parties*

Regional “Traffic Management” centers include:

- [Missouri Department of Transportation - Traffic Division](#)
- [City of Springfield Department of Public Works](#)
- [OzarksTraffic TMC](#)

Emergency Management

The Emergency Management subsystem operates in various emergency centers including fixed and mobile sites. Generally performs the following roles:

- *Supports public safety agencies, including police, fire, EMS, and HAZMAT response*
- *Supports incident management, disaster response and evacuation operations*
- *Manages sensor and surveillance equipment used to enhance transportation security*
- *Tracks and manages emergency vehicle fleets*
- *Coordinates activities with Traffic Management centers*

Regional “Emergency Management” centers include:

- [Christian County 911](#)
- [Christian County Sheriff’s Office](#)
- [Cox Health Systems \(EMS\)](#)
- [Greene County Sheriff’s Office](#)
- [Missouri Highway Patrol](#)
- [Springfield Fire Department](#)
- [Springfield Police Department](#)
- [Springfield-Greene County Emergency Communications \(911\)](#)
- [Springfield-Greene County Office of Emergency Management](#)
- [St. John’s Regional Health Systems \(EMS\)](#)
- [Stone County Emergency Services 911](#)
- [Taney County 911 Administration](#)
- [Western Taney County Fire District](#)

Information Service Provider

This subsystem collects, processes, stores, and disseminates transportation information to system operators and the traveling public. Generally performs the following roles:

- *Collects traffic information from varied sources and redistributes to other service providers*
- *Delivers traveler information to subscribers and the public at large*
- *Provides basic advisories, near real time traffic condition, transit schedule, event information etc.*

Regional “Information Service Provider” centers include:

- [CityView \(Government Access Channel\)](#)
- [Springfield Business Journal \(Local Press\)](#)
- [Springfield News Leader \(Local Press\)](#)
- [KRZK \(Local Radio\)](#)
- [KTTS \(Local Radio\)](#)
- [KSPR 33 \(Local Television\)](#)
- [KY 3 \(Local Television\)](#)

Transit Management

Transit Management subsystem manages transit vehicle fleets and coordinates with other modes and transportation services. Generally performs the following roles:

- *Provides operations, maintenance, customer information, planning functions*
- *Provides dispatch and multi-modal management operations*
- *Supports fixed route, flexible route, and paratransit services*
- *Shares information with emergency response services and traffic management systems*
- *Tracks and manages vehicle fleets*

Regional “Transit Management” centers include:

- [City Utilities of Springfield – Transit](#)
- [Missouri State University - Transit](#)

Maintenance and Construction Management

The subsystem represents both public and private contractors that manage activities associated with vehicle fleets, construction, maintenance, and general infrastructure support. Generally performs the following roles:

- *Manages fleets of maintenance, construction, or special service vehicles*
- *Participates in incident response, deploying maintenance and construction resources*
- *Manages field devices that monitor weather, environment, and surface conditions*
Monitors
- *Manages work zones, provides alerts on pending closures or hazardous conditions*
- *Coordinates activities with Traffic, Emergency Management, and Information Service Providers*

Regional “Maintenance and Construction Management” centers include:

- [Missouri Department of Transportation – Incident Response](#)
- [City of Springfield Department of Public Works](#)
- [Greene County Highway Department](#)
- [City of Branson](#)
- [City of Lebanon](#)
- [City of Marshfield](#)

- [City of Nixa](#)
- [City of Ozark](#)
- [City of Republic](#)
- [City of Willard](#)

Archived Data Management

Subsystem typically in a fixed and secure location that provides resources to collect, archive, distribute, and perform analysis on a variety of traffic related data sources. Generally performs the following roles:

- *Collects traffic data from varied sources within the region*
- *Perform as a general data clearinghouse of those with data requests*
- *Provide input into transportation administration, policy evaluation, safety, and planning*
- *Coordinate with Emergency, Traffic, Transit, Maintenance and Construction Management agencies*

Regional “Achieved Data Management” centers include:

- [Ozark Transportation Organization](#)
- [Southwest Missouri Council of Governments \(SMCOG\)](#)

Commercial Vehicle Administration

Commercial Vehicle Administration Subsystem will operate at one or more fixed locations within a region. Generally performs the following roles:

- *Supports credentials checking, tax, and enforcing safety regulations*
- *Handles permitting for special oversize/overweight and HAZMAT operations*
- *Manages roadside field devices that interact with motor carriers*
- *Coordinates activities with Emergency Management agencies*

Regional “Commercial Vehicle Administration” centers include:

- [NONE](#)

Rail Operations

This subsystem is responsible for coordinating all rail traffic management and maintenance operations. This can include light and heavy rail services. Regional rail operators include:

- [Burlington Northern/Santa Fe Railway](#)
- [We weren't sure where to include this stakeholder under any of the other provided categories. So, I added the “Rail Operations” subsystem to your list.](#)