

Missouri Department of Transportation Springfield Regional ITS Architecture Update

Prepared for:
Project ID:
D8ITS-01



Missouri Department of Transportation
Traffic Division

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Regional Agreements



DISTRICT - 8

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**Missouri Department of Transportation
Springfield Regional ITS Architecture Update**

“Regional Agreements”

June 25, 2010

Prepared by:
Missouri Department of Transportation



Agreement Summaries

1. Agreement Name: ITS Planning Document for Springfield Region

Project Number: Contract No. 99-141

Date: May 25, 1999

Partner Agencies: Missouri Highway and Transportation Commission; City of Springfield, Missouri

Lead Stakeholder: City of Springfield, Missouri

Type of Agreement: Interagency Agreement

Description: The agreement established the cost sharing responsibilities between the City and the Commission for consulting services required for developing the ITS planning document, including enhancements to the existing system, for the Springfield region. The agreement was for the equal sharing of costs between the City and the Commission for the development of the ITS planning document for the Springfield urban area. No costs were shown in the agreement.

2. Agreement Name: Partnership Agreement for the Integration Component of the ITS Deployment Program for Springfield

Project Number: ITS-0029(801)

Date: October 11, 2000

Partner Agencies: Federal Highway Administration; Missouri Department of Transportation; City of Springfield; City of Branson

Lead Stakeholder: Missouri Department of Transportation

Type of Agreement: Partnership, Memorandum of Understanding

Description: FHWA provided federal assistance to the State of Missouri for ITS projects in Springfield. The specific ITS activities included incident response and congestion management, development of ITS architecture (user requirement definitions, system requirements, and system architecture), and the development of an implementation phasing plan for the Springfield and Branson systems. The project stipulated that the state develop a Memorandum of Understanding (MOU) executed by the partner organizations. The federal share for the project was 50%, with the federal contribution not to exceed \$786,421.

3. Agreement Name: ITS Preliminary Design (System Engineering Process) for Springfield Region

Project Number: FY 2000 Earmark ITS-0029(801)

Date: January 10, 2001

Partner Agencies: Missouri Highway and Transportation Commission; City of Springfield, Missouri

Lead Stakeholder: City of Springfield, Missouri

Type of Agreement: Interagency Agreement

Description: The agreement established the cost sharing responsibilities between the City and the Commission for the preparation of the ITS preliminary design (system engineering process) documents for the Springfield Region, enhancements to the Springfield and Branson system, and the development of the Branson/Springfield interconnect system. The agreement was for the equal sharing of costs (each partner's share was \$151,500) for consulting services required for the preliminary design.

4. Agreement Name: Partnership Agreement for ITS Integration Projects and Rural Deployment Projects

Project Number: ITS-0129(801)

Date: September 19, 2001

Partner Agencies: Federal Highway Administration; Missouri Department of Transportation

Lead Stakeholder: Missouri Department of Transportation

Type of Agreement: Partnership, Memorandum of Understanding

Description: FHWA provided federal assistance to the State of Missouri for specific ITS activities and to maximize the involvement of the State and other project participants in the ITS program. The specific ITS activities include software development (CAD, signal, congestion and incident management, Branson TRIP communication, and ATIS), firmware and hardware to support the software, deployment of VMB's, detectors, and communication hardware for Branson TRIP and CAD systems, software testing and integration, fiber optic installation for Regional communication, and a CCTV system upgrade. The project stipulated that the state develop a Memorandum of Understanding (MOU) executed by the partner organizations (which was attached as Appendix C). The federal share for the project was 50%, with the federal contribution not to exceed \$595,211.

5. Agreement Name: Federal Aid Project Agreement

Project Number: ITS-0329(801)

Date: July 9, 2003

Partner Agencies: Federal Highway Administration; Missouri Department of Transportation - District 8

Lead Stakeholder: Missouri Department of Transportation - District 8

Type of Agreement: Funding

Description: FHWA obligated funds to the Missouri Department of Transportation Intelligent Transportation Systems (ITS) Program specifically for integration activities in the Springfield Region. The federal share for the project was 100% and the total project allocation was \$1.49 million dollars.

6. Agreement Name: Springfield-Branson Regional Advanced Traffic Management System Deployment (Deployment and Support Services)

Project Number: FY 2001 Earmark ITS-0129(801)

Date: February 10, 2005

Partner Agencies: Missouri Highway and Transportation Commission; City of Springfield, Missouri

Lead Stakeholder: Missouri Highway and Transportation Commission

Type of Agreement: Interagency Agreement

Description: The agreement established the cost sharing responsibilities between the City and the Commission for the development, deployment, and support of the Springfield-Branson Regional Advanced Traffic Management System (ATMS). The project consisted of review of existing ITS initiatives, concept of operations review and update, communications link with Branson TRIP, ATMS development, and operation/maintenance development. The agreement was for the equal sharing of costs (each partner's share was \$119,042) for the consulting services required for the development, deployment and support of the Regional ATMS.

7. Agreement Name: ITS Program Design and Integration of the Springfield Regional Transportation Management Center (TMC) and Field Deployment Project

Project Number: FY 2004 Earmark ITS-0429(801)

Date: July 28, 2005

Partner Agencies: Missouri Highway and Transportation Commission; City of Springfield, Missouri

Lead Stakeholder: City of Springfield, Missouri

Type of Agreement: Interagency Agreement

Description: The agreement established the cost sharing responsibilities between the City and the Commission for the design and integration of a new Regional Transportation Management Center (TMC) located in downtown Springfield, Missouri and the deployment of field devices with the Springfield urban area. The field devices included CCTV, DMS, system detection, and communication

infrastructure. The agreement was for the equal sharing of costs (each partner's share was \$344,633) for the design and integration of a new TMC.

8. Agreement Name: ITS Program Construction and Integration of the Springfield Regional Transportation Management Center (TMC) and Field Deployment Project

Project Number: FY 2003 Earmark ITS-0329(801)

Date: July 28, 2005

Partner Agencies: Missouri Highway and Transportation Commission; City of Springfield, Missouri

Lead Stakeholder: City of Springfield, Missouri

Type of Agreement: Interagency Agreement

Description: The agreement established the responsibilities between the City and the Commission for the construction and integration of a new Regional Transportation Management Center (TMC) located in downtown Springfield, Missouri and the deployment of field devices with the Springfield urban area. A joint steering committee was formed to review all project documents. The field devices included CCTV, DMS, system detection, and communication infrastructure. The costs were funded 100% by FHWA.

9. Agreement Name: Partnership Agreement for Springfield Missouri Regional ITS

Project Number: ITS-0429(801)

Date: September 15, 2005

Partner Agencies: Federal Highway Administration; Missouri Department of Transportation

Lead Stakeholder: Missouri Department of Transportation

Type of Agreement: Partnership, Memorandum of Understanding

Description: FHWA provided federal assistance to the State of Missouri for ITS projects in Springfield. The specific ITS activities included design and construction of a Regional Transportation Management Center, integration of Regional ATMS, and the integration of CCTV, DMS, and vehicle detection stations. The project stipulated that the state develop a Memorandum of Understanding (MOU) executed by the partner organizations (Appendix C). The federal share for the project was 50%, with the federal contribution not to exceed \$1,723,164.