

ITS ARCHITECTURE WORKSHOP MINUTES

TRANSIT AND PARKING MANAGEMENT WORKSHOP

MEETING DATE: August 29, 2007 1:30 PM – 3:30 PM

ATTENDEES:

Cheryl Beatty, City of Eudora	Tom Fowler, Kimley-Horn and Associates
Cliff Galante, Lawrence Transit System	Amy Lewis, Kimley-Horn and Associates
Anson Gock, Lawrence-Douglas County Planning	Erin Williams, Kimley-Horn and Associates
Danny Kaiser, KU Parking and Transit	Todd Fredericksen, Olsson Associates
Joel Skelley, Kansas DOT	

TRAFFIC MANAGEMENT AND TRAVELER INFORMATION WORKSHOP

MEETING DATE: August 30, 2007 9:00 AM – 12:00 Noon

ATTENDEES:

Bob Alva, FHWA	H. Wayne Riley, Lecompton Fire/Rescue/EMS
Cheryl Beatty, City of Eudora	James Risner, City of Lawrence
Barb Blue, Kansas DOT	Chuck Soules, City of Lawrence
Leslie Spencer Fowler, Kansas DOT	Sheila Stogsdill, Lawrence-Douglas County Planning
Karen Gilbertson, Kansas DOT	Jim Wisdom, City of Lawrence
Terese Gorman, Douglas County Public Works	Tom Fowler, Kimley-Horn and Associates
David Jacobson, Kansas Turnpike Authority	Amy Lewis, Kimley-Horn and Associates
Byron Low, FHWA	Erin Williams, Kimley-Horn and Associates
Lisa Patterson, City of Lawrence	Michael McKenna, Olsson Associates

EMERGENCY MANAGEMENT WORKSHOP

MEETING DATE: August 30, 2007 1:30 PM – 3:30 PM

ATTENDEES:

Bob Alva, FHWA	Ken McGovern, Douglas County Sheriff
Cheryl Beatty, City of Eudora	Ron Olin, City of Lawrence Police Department
Jillian Blair, Douglas County Emergency Management	Steve Rector, Douglas County Sherriff
Barb Blue, Kansas DOT	H. Wayne Riley, Lecompton Fire/Rescue/EMS
William Cory, City of Lawrence Police Department	Teri Smith, Douglas County Emergency Management
Michael Courtney, Lawrence Freenet	Chuck Soules, City of Lawrence
Jim Denney, Douglas County 911	Bill Stark, City of Lawrence Fire-EMS
Leslie Spencer Fowler, Kansas DOT	Tom Fowler, Kimley-Horn and Associates
Karen Gilbertson, Kansas DOT	Amy Lewis, Kimley-Horn and Associates
Chris Keapy, KU Public Safety	Erin Williams, Kimley-Horn and Associates
Byron Low, FHWA	Michael McKenna, Olsson Associates

1. Introductions

The Lawrence-Douglas County Intelligent Transportation System (ITS) architecture workshops were divided into three focus area groups: Transit and Parking Management, Traffic

Management and Traveler Information, and Emergency Management. A workshop was conducted with each focus area group over a two day period.

At each of the three workshops Tom Fowler welcomed everyone and thanked them for their continued involvement in the architecture process and briefly recapped the kick-off workshop that occurred in July. He then had everyone introduce themselves and tell which agency or organization they were representing. Kimley-Horn is under contract to the City of Lawrence to develop the Regional ITS Architecture for the Lawrence-Douglas County Region. Tom then updated the stakeholders on where the project currently is in the development process and what the remaining tasks entail.

2. Overview of ITS and Project Presentation

Tom gave a presentation that reviewed the goals of the Lawrence-Douglas County Regional ITS Architecture. The presentation included a definition of ITS and an overview of ITS architectures including training on how to develop ITS market packages. Tom explained that the purpose of the project is to develop an ITS architecture that will help the Region plan for the implementation of ITS and meet the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) requirements for federal funding of ITS projects. Tom explained how the framework provided by the National ITS Architecture is customized to meet the needs of the Region. Completion of the plan does not guarantee any funding for the Region, but does allow the Region to be eligible for future federal funding of ITS projects.

3. Architecture Development

Following the presentation, in each of the workshops Tom Fowler and Amy Lewis led stakeholders through a discussion to select and customize market packages for the Lawrence-Douglas County Region. ITS market packages are the services that ITS can provide, such as network surveillance or transit vehicle tracking. Each market package was described in detail and tailored to reflect the appropriate elements and the types of information the Region wanted to share between agencies and elements. A table of the market packages selected is included at the end of these minutes.

There are currently 91 market packages defined in the National ITS Architecture that describe the services that ITS can provide. Of those 91 services, the stakeholders in the Lawrence-Douglas County Region selected 44 to consider for implementation.

Based on the discussions held in each workshop, Kimley-Horn will develop a Draft Regional ITS Architecture document that will be sent to stakeholders in October. Stakeholders will be asked to review the Draft Regional ITS Architecture and provide comments to Kimley-Horn.

4. Concluding Comments and Next Steps

Tom thanked everyone for participating in the workshops and discussed the next steps of the ITS architecture development process. The information collected at the workshops will be used to revise the ITS market packages and a Draft Regional ITS Architecture document will be developed and sent to stakeholders for review in October.

The next workshop scheduled for the development of the Regional ITS Architecture will be the ITS Deployment Plan Workshop, which will be held on Thursday, November 8, 2007 from 9:00 AM to 12:00 Noon at the Lawrence City Hall. The purpose of the workshop will be to discuss potential ITS projects for the Lawrence-Douglas County Region that could be implemented in the future.

Lawrence-Douglas County ITS Architecture Market Package Selection

Selection	Market Package	
Traffic Management Service Area		
X	ATMS01	Network Surveillance
X	ATMS02	Traffic Probe Surveillance
X	ATMS03	Surface Street Control
	ATMS04	Freeway Control
	ATMS05	HOV Lane Management
X	ATMS06	Traffic Information Dissemination
X	ATMS07	Regional Traffic Management
X	ATMS08	Traffic Incident Management System
	ATMS09	Traffic Forecast and Demand Management
X	ATMS10	Electronic Toll Collection
	ATMS11	Emissions Monitoring and Management
	ATMS12	Roadside Lighting System Control
X	ATMS13	Standard Railroad Grade Crossing
	ATMS14	Advanced Railroad Grade Crossing
	ATMS15	Railroad Operations Coordination
X	ATMS16	Parking Facility Management
	ATMS17	Regional Parking Management
	ATMS18	Reversible Lane Management
X	ATMS19	Speed Monitoring
	ATMS20	Drawbridge Management
X	ATMS21	Roadway Closure Management
Emergency Management Service Area		
X	EM01	Emergency Call-Taking and Dispatch
X	EM02	Emergency Routing
X	EM03	Mayday and Alarms Support
X	EM04	Roadway Service Patrols
	EM05	Transportation Infrastructure Protection
X	EM06	Wide-Area Alert
	EM07	Early Warning System
X	EM08	Disaster Response and Recovery
X	EM09	Evacuation and Reentry Management
X	EM10	Disaster Traveler Information
Maintenance and Construction Service Area		
X	MC01	Maintenance and Construction Vehicle and Equipment Tracking
	MC02	Maintenance and Construction Vehicle Maintenance
X	MC03	Road Weather Data Collection
X	MC04	Weather Information Processing and Distribution
X	MC05	Roadway Automated Treatment
X	MC06	Winter Maintenance
X	MC07	Roadway Maintenance and Construction
X	MC08	Work Zone Management
X	MC09	Work Zone Safety Monitoring
X	MC10	Maintenance and Construction Activity Coordination

Selection	Market Package	
X	MC11	Environmental Probe Surveillance
X	MC12	Infrastructure Monitoring
Public Transportation Service Area		
X	APTS01	Transit Vehicle Tracking
X	APTS02	Transit Fixed-Route Operations
X	APTS03	Demand Response Transit Operations
X	APTS04	Transit Fare Collection Management
X	APTS05	Transit Security
X	APTS06	Transit Fleet Management
X	APTS07	Multi-modal Coordination
X	APTS08	Transit Traveler Information
X	APTS09	Transit Signal Priority
X	APTS10	Transit Passenger Counting
Commercial Vehicle Operations Service Area		
	CVO01	Fleet Administration
	CVO02	Freight Administration
	CVO03	Electronic Clearance
	CVO04	CV Administrative Processes
	CVO05	International Border Electronic Clearance
	CVO06	Weigh-In-Motion
	CVO07	Roadside CVO Safety
	CVO08	On-board CVO and Freight Safety and Security
	CVO09	CVO Fleet Maintenance
	CVO10	HAZMAT Management
	CVO11	Roadside HAZMAT Security Detection and Mitigation
	CVO12	CV Driver Security Authentication
	CVO13	Freight Assignment Tracking
Traveler Information Service Area		
X	ATIS01	Broadcast Traveler Information
X	ATIS02	Interactive Traveler Information
	ATIS03	Autonomous Route Guidance
	ATIS04	Dynamic Route Guidance
	ATIS05	ISP Based Trip Planning and Route Guidance
X	ATIS06	Transportation Operations Data Sharing
	ATIS07	Yellow Pages and Reservation
	ATIS08	Dynamic Ridesharing
	ATIS09	In Vehicle Signing
	ATIS10	VII Traveler Information
Archive Data Management Service Area		
X	AD1	ITS Data Mart
X	AD2	ITS Data Warehouse
	AD3	ITS Virtual Data Warehouse