

M E M P H I S U R B A N A R E A
R E G I O N A L I T S A R C H I T E C T U R E
U P D A T E
W O R K S H O P M I N U T E S

MEETING DATE: March 11, 2010

MEETING TIME: 9:00 AM – 11:30 AM

MEETING LOCATION: Memphis Urban Area Metropolitan Planning Organization (MPO)
1075 Mullins Station Road, Memphis, TN 38134

ATTENDEES:

Becky Bailey, City of Bartlett
Eddie Brawley, West Memphis Metropolitan Planning
Organization (MPO)
Gary Dalporto, FHWA Arkansas Division
Laura Evans, Gresham, Smith and Partners
Dan Frazier, Memphis Area RPO
Don Gedge, FHWA Tennessee Division
John Gilligan, Mississippi DOT
Terry Gladden, Tennessee Department of
Transportation (TDOT)
Johanna Harrell, Shelby County Office of
Preparedness
Sajid Hossain, Memphis Urban Area MPO
Ed Johnson, TDOT Region 4
Mark King, Town of Collierville

John Lancaster, Memphis Area Transit Authority
(MATA)
Carlos McCloud, Memphis Urban Area MPO
Richard Merrill, City of Memphis
Tim Moreland, Memphis Urban Area MPO
Paul Morris, Memphis Urban Area MPO
Mike Presley, TDOT
Michael Rebick, TDOT-TMC
Dorothy Rhodes, AHTD
Brett Roler, Memphis Urban Area MPO
Pragati Srivastava, Memphis Urban Area MPO
Cheryl Yarbo, Shelby County Office of Preparedness
James Collins, Kimley-Horn and Associates
Tom Fowler, Kimley-Horn and Associates

SUBJECT: Memphis Regional ITS Architecture Update – ITS Deployment Plan Workshop

Introductions

Paul Morris of the Memphis Urban Area Metropolitan Planning Organization (MPO) welcomed everyone and thanked the stakeholders for their continued participation in the update of the Memphis Urban Area Regional Intelligent Transportation System (ITS) Architecture. Everyone in attendance introduced themselves and identified the agency or organization they were representing.

Project Overview Presentation

Tom Fowler provided an overview of the project and updated everyone on the remaining steps. Tom noted that the workshop was the third of four workshops scheduled in Memphis to update the Regional ITS Architecture and Deployment Plan. The last workshop is scheduled for April 20, 2010 from 9:00 AM to 11:00 AM. The Draft Regional ITS Architecture document has been posted on the project website at the address below:

<http://www.kimley-horn.com/Projects/TennesseeITSArchitecture/memphis.html>

Comments on the Draft Regional ITS Architecture were requested by March 31, 2010. Comments can be provided to Tom Fowler at Kimley-Horn or Sajid Hossain at the Memphis Urban Area MPO. A Draft Regional ITS Deployment Plan will be developed based on the input gathered in the March Workshop and will be available to stakeholders by the middle of April.

ITS Market Package Prioritization

The Draft Regional ITS Architecture document that Kimley-Horn developed included a prioritization of the ITS market packages that were selected by stakeholders at the workshop in January 2010. Market packages represent the services that ITS can provide, such as network surveillance or traveler information dissemination. Market packages were prioritized as high, medium, or low based on the level of activity existing or planned for the market package and the overall impact that the market package was expected to have on meeting regional needs.

Tom led the stakeholders in a discussion at the workshop on the prioritization of the market packages that were initially suggested by Kimley-Horn in the Draft Regional ITS Architecture. It was decided by the stakeholders to keep the initial prioritization of the ITS market packages that were presented in the Draft Regional ITS Architecture. A copy of the ITS market package prioritization table is included at the end of these minutes.

ITS Architecture Maintenance

The stakeholders in attendance discussed a process for updating and maintaining the Regional ITS Architecture. It was decided that the Memphis Urban Area MPO would serve as the lead agency for maintaining and updating the Regional ITS Architecture. A form will be developed for use in documenting any changes requested to the Regional ITS Architecture for projects to show conformity. The MPO will keep those forms for use in the next ITS Architecture update. It was noted that ITS Architecture conformity is required by the Federal Highway Administration (FHWA) and Federal Transit Agency (FTA) for any ITS projects that use federal funds or any projects that integrate into a project that was implemented using federal funds. For example, if an agency were implementing closed circuit television (CCTV) cameras using local funds but those cameras were going to be controlled by a traffic management center (TMC) that was constructed with federal funds, then the CCTV camera project would need to conform to the Regional ITS Architecture.

The stakeholders set a goal of updating the Regional ITS Architecture every four years in the year prior to the update of the Long Range Transportation Plan.

Draft ITS Project Discussion

James Collins led the group in a discussion of potential ITS projects to include in the Regional ITS Deployment Plan. The ITS Deployment Plan will identify a set of potential ITS projects related to traffic, transit, public safety, and emergency management needs. Projects were categorized by Tennessee Department of Transportation (TDOT), Municipal/County, Transit, and Memphis Urban Area MPO projects. Individual cities were identified under the Municipal category based on input from stakeholders.

The projects that will be included in the ITS Deployment Plan will include the following information:

- Project name and description;
- Responsible agency;
- Probable cost (detail will vary by project depending on level of planning that has occurred...in some cases only a unit cost will be provided to guide future planning);
- Funding status;
- Deployment timeframe ; and
- Applicable market packages.

In order to show ITS Architecture conformity, it is not necessary to include a project in the ITS Deployment Plan. However, by including the project in the ITS Deployment Plan Kimley-Horn can check for ITS Architecture conformity and identify the applicable market packages. If a project does not conform

to the Regional ITS Architecture it is relatively easy for Kimley-Horn to modify the Draft Regional ITS Architecture while it is still in draft format before the end of the project.

Concluding Comments and Next Steps

The final Regional ITS Architecture Workshop will be held on Tuesday, April 20, 2010 from 9:00 AM – 11:00 AM. The following next steps were identified for the project:

End of March

- Draft Regional ITS Architecture comments due

Early April

- Draft Regional ITS Deployment available for review

End of April

- Draft Regional ITS Deployment Plan comments due
- Final Regional ITS Architecture Workshop (Tuesday, April 20, 2010 from 9:00 AM – 11:00 AM)

May

- Final Draft Regional ITS Architecture and Regional ITS Deployment Plan available for review

June

- Final documents delivered including Executive Summary, Draft Regional ITS Architecture and Deployment Plan, and Turbo Architecture Database

Tom thanked everyone for their participation and encouraged them to contact him or Sajid Hossain with any questions or comments. Sajid will be sending out notices when the Draft ITS Deployment Plan is available for review as well as when the Revised Draft Regional ITS Architecture and Deployment Plan are available for review.

Memphis Urban Area ITS Market Package Prioritization by Functional Area

High Priority Market Packages	Medium Priority Market Packages	Low Priority Market Packages
Traffic Management		
ATMS01 Network Surveillance ATMS03 Surface Street Control ATMS06 Traffic Information Dissemination ATMS07 Regional Traffic Management ATMS08 Traffic Incident Management System	ATMS04 Freeway Control ATMS13 Standard Railroad Grade Crossing ATMS17 Regional Parking Management	ATMS02 Traffic Probe Surveillance ATMS10 Electronic Toll Collection ATMS11 Emissions Monitoring and Management ATMS19 Speed Monitoring
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		
MC08 Work Zone Management MC10 Maintenance and Construction Activity Coordination MC12 Infrastructure Monitoring	MC01 Maintenance and Construction Vehicle and Equipment Tracking MC03 Road Weather Data Collection MC04 Weather Information Processing and Distribution	MC05 Roadway Automated Treatment MC06 Winter Maintenance
Public Transportation Management		
APTS01 Transit Vehicle Tracking APTS02 Transit Fixed Route Operations APTS03 Demand Response Transit Operations APTS08 Transit Traveler Information APTS09 Transit Signal Priority	APTS04 Transit Fare Collection Management APTS05 Transit Security APTS07 Multi-Modal Coordination APTS10 Transit Passenger Counting	APTS06 Transit Fleet Management
Traveler Information		
ATIS01 Broadcast Traveler Information ATIS02 Interactive Traveler Information		
Commercial Vehicle Operations		
	CVO10 HAZMAT Management	
Archived Data Management		
	AD1 ITS Data Mart	AD2 ITS Data Mart AD3 ITS Virtual Data Warehouse