

MINUTES
JOHNSON CITY REGIONAL ITS ARCHITECTURE AND DEPLOYMENT PLAN
Kick-Off Workshop

June 1, 2006
City Hall
Johnson City, Tennessee

ATTENDANCE

Joe Armstrong, Tennessee DOT	Steve Neilson, Johnson City Planning Department
John Benditz, Knoxville TMC/Kimley-Horn and Associates	Eddie Newcomb, Tennessee DOT - HELP
Glenn Berry, Metropolitan Planning Organization	Mike Potter, City of Elizabethton
Mark Best, Tennessee DOT	Andy Russell, Tennessee DOT - Knoxville TMC
Donna Bridwell, Johnson City Transit	Anthony Todd, Johnson City Public Works - Traffic
Teresa Estes, Tennessee DOT	James Collins, Kimley-Horn and Associates
Jane Fillers, Johnson City Transit	Tom Fowler, Kimley-Horn and Associates
Matt Garland, First Tennessee Development District	Amy Lewis, Kimley-Horn and Associates
Pete Hiatt, Tennessee DOT	

MINUTES

1. Introductions

Amy Lewis welcomed everyone and thanked the stakeholders for their attendance. She introduced herself and the other Kimley-Horn team members present at the meeting. Everyone in attendance introduced themselves and identified the agency or organization they were representing. Kimley-Horn is currently under contract with the Tennessee Department of Transportation (TDOT) to develop a regional intelligent transportation systems (ITS) architecture and deployment plan for the Johnson City Region.

2. Overview of ITS and Project Presentation

Amy then turned the meeting over to Tom Fowler who gave a presentation on the Johnson City Regional ITS Architecture and Deployment Plan project. The presentation included an overview of ITS. Tom commented that the purpose of the project is to update the existing Regional ITS Architecture for the Region and ensure that the plan conforms with the National ITS Architecture. The update will include an expansion of the geographic Region, addition of several new stakeholders, inclusion of additional ITS market packages from the National ITS Architecture, and the development of an ITS deployment plan. 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. Upcoming Workshop Dates

Dates for the three remaining workshops were discussed. Stakeholders did not indicate any problems with the following workshop dates:

ITS Architecture Workshop: July 12, 2006 9 AM – 4 PM
ITS Deployment Plan Workshop: August 30, 2006 9 AM – 12 Noon
Comment Resolution Workshop: September 26, 2006 9 AM – 12 Noon

4. Regional Boundaries

The stakeholders agreed that the Johnson City Metropolitan Statistical Area (MSA) boundaries should be used to define the geographic region for the Johnson City Regional ITS Architecture.

5. ITS Inventory

Amy Lewis led a discussion on the ITS inventory for the Johnson City Region. Stakeholders were asked to identify existing and planned ITS inventory elements. A summary of all ITS inventory items identified is included at the end of these minutes. The inventory will assist the project team in preparing a rough draft of the regional ITS architecture for the workshop in July.

6. ITS Needs

Amy also led a discussion on the Johnson City Region's ITS needs. All stakeholders were asked for input on their agency's ITS needs. A summary of all ITS needs identified at the workshop is attached at the end of these minutes. The needs will also be incorporated into the materials presented at the next workshop.

7. Concluding Comments

Tom and Amy thanked everyone for their participation. They encouraged the ITS stakeholders to contact either of them if they had any questions or if they would like to add additional items to the ITS inventory or needs.

All stakeholders will be sent minutes from the Kick-Off Workshop and invited to the next workshop. The ITS Architecture Development Workshop will be held on July 12, 2006 from 9 AM – 4 PM.

Johnson City Region Summary of ITS Inventory

Travel and Traffic Management

System, Technology or Capability	Status	Primary Operating Agency
Closed loop signal system	Existing Planned	Johnson City Elizabethtown
Traffic Management Center (TMC)	Existing	Johnson City
Video detection	Existing	Johnson City Elizabethtown
Dynamic message signs (DMS) on I-81	Existing	TDOT
DMS at the I-26/I-81 interchange and I-40/I-81 split	Planned	TDOT
Highway advisory radio (HAR) transmitter	Existing	TDOT
Knoxville TMC	Existing	TDOT
Region 1 portable HAR transmitter	Existing	TDOT

Public Transportation Management

System, Technology or Capability	Status	Primary Operating Agency
CCTV cameras at Transit Center	Existing	Johnson City Transit

Emergency Management

System, Technology or Capability	Status	Primary Operating Agency
Emergency vehicle traffic signal preemption	Existing Existing	Elizabethton Johnson City
Washington County emergency dispatch for County Sheriff and Johnson City Police, Fire, and emergency medical services (EMS)	Existing	Washington County/ Johnson City
Carter County emergency dispatch for County Sheriff and Johnson City Police and Fire	Existing	Carter County/ Elizabethton
Washington County Emergency Operations Center (EOC)	Existing	Washington County Emergency Management Agency
Carter County EOC	Existing	Carter County Emergency Management Agency

Maintenance and Construction Operations

System, Technology or Capability	Status	Primary Operating Agency
Stream gauges and rain gauges (many are currently not operational, no maintenance planned at this time)	Existing	Johnson City
Portable DMS	Existing	Johnson City
Road weather information system (RWIS) stations (TDOT RWIS are implemented outside the Region, but information about approaching weather conditions could be valuable to the Region)	Existing	TDOT
HELP trailers (stationed at TDOT maintenance facilities for rapid deployment of traffic control devices in case of an incident)	Existing	TDOT
Portable DMS and arrow boards	Existing	TDOT
Portable DMS	Existing	Johnson City
Tennessee SmartWay Information System (TSIS)	Existing	TDOT
Portable CCTV cameras for use in work zones (available in 2007)	Existing	TDOT

Johnson City Region Summary of ITS Needs

Travel and Traffic Management Needs

- Need automated vehicle location (AVL) for TDOT HELP vehicles
- Need to provide traveler information to TDOT for 511
- Need CCTV cameras for Johnson City
- Need DMS to provide traveler information for events and incidents in Johnson City
- Need video detection in the City of Elizabethton
- Need regional communications system assessment

Public Transportation Management Needs

- Need AVL for Johnson City Transit
- Need passenger counters for Johnson City Transit to allow passenger counting and automate archiving
- Need demand response scheduling and call back system for Johnson City Transit
- Need smart card electronic fare collection (long term need)
- Need real time arrival information for buses at transit center and on East Tennessee State University campus
- Need computer aided dispatch (CAD)

Commercial Vehicle Operations Needs

No needs identified at this time

Emergency Management Needs

- Need CCTV camera video feeds shared with Washington County 911 Dispatch (fiber already exists between Johnson City Traffic and 911 Dispatch)

Maintenance and Construction Management Needs

- Need portable DMS for the City of Elizabethton
- Need road weather information systems (RWIS) for Johnson City
- Need AVL on Johnson City maintenance fleet for snow removal
- Need AVL on Elizabethton maintenance fleet for snow removal
- Need AVL for tracking TDOT snow plows
- Need to upgrade existing and install additional stream gauge sensors in Johnson City

Archive Data Needs

- Need traffic count information from TDOT for Johnson City Metropolitan Transportation Planning Organization (MTPO) planning purposes
- Need transportation data archive to store transit and traffic information