

KICK - OFF WORKSHOP MINUTES

MEETING DATE: October 18, 2007

MEETING TIME: 9:00 AM

MEETING LOCATION: Virginia Department of Transportation Bristol District Office

ATTENDEES:

Kingsport Region

Bill Albright, Kingsport MPO
Wayne Anderson, Sullivan County Sheriff
John Benditz, Tennessee DOT
Mark Best, Tennessee DOT
Chris Campbell, Kingsport MPO
Deborah Fleming, Tennessee DOT
Don Gedge, Federal Highway Administration
Jack Qualls, Kingsport MPO

Joseph Roach, Tennessee DOT
Danny W. Talley, Tennessee Highway Patrol
Michael Thompson, City of Kingsport
Tom Fowler, Kimley-Horn and Associates
Amy Lewis, Kimley-Horn and Associates
Erin Williams, Kimley-Horn and Associates
Jonathan Moore, Kimley-Horn and Associates

SUBJECT: Kingsport Regional ITS Architecture and Deployment Plan Kick-Off Workshop

1. Introductions

Tom Fowler welcomed everyone and thanked the stakeholders for their participation in the development of the Regional ITS Architecture. Tom introduced himself and the other Kimley-Horn team members present at the workshop. 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 regional intelligent transportation system (ITS) architectures and deployment plans for the Bristol and Kingsport Regions.

2. Overview of ITS and Project Presentation

Tom then gave a presentation on the Regional ITS Architecture and Deployment Plan project. The presentation included an overview of ITS. Tom explained that the purpose of the project is to develop a Regional ITS Architecture that conforms with the National ITS Architecture and satisfies the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) requirements. 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. Regional Boundaries

The stakeholders agreed that the Kingsport Metropolitan Planning Organization (MPO) boundaries should be used to define the geographic region for the Kingsport Regional ITS Architecture. As the process continues, the Region will coordinate with the adjacent regional ITS architectures developed in northeast Tennessee.

4. ITS Inventory

Amy Lewis and Tom led a discussion on the ITS inventory that overlapped between the Bristol and the Kingsport Regions since both are located in Sullivan County, Tennessee and TDOT Region 1. After that discussion stakeholders were then broken into groups based on the region they represented and were asked to identify existing and planned ITS inventory elements within their region. A summary of all ITS inventory items identified for the Kingsport Region is included at the end of the minutes. The inventory will assist the project team in preparing a rough draft of the regional ITS architecture for the next workshop.

5. ITS Needs

Tom led a discussion on the Kingsport Region's ITS needs. 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.

6. Concluding Comments and Next Steps

Tom thanked everyone for their participation. He encouraged the ITS stakeholders to contact any member of the team if they had 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 ITS Architecture Development Workshop. The purpose of this workshop is to select the desired ITS services for the Kingsport Region and identify what types of information need to be exchanged between agencies. The workshop will begin with a joint session for both Regions and once again split into separate groups for detailed region specific discussions. The ITS Architecture Development Workshop will be held on Thursday, November 29, 2007 from 9:00 AM – 3:00 PM at the Virginia DOT Bristol District Office.

Kingsport Regional ITS Inventory

Travel and Traffic Management

System, Technology or Capability	Status	Primary Operating Agency
Traffic signal system with 100 signals, half on closed loop system	Existing	City of Kingsport
Highway advisory radio (HAR) on I-81 at the I-26/I-81 interchange and at I-40/I-81 split	Existing	TDOT
Portable HAR at Regional Office	Existing	TDOT
Dynamic Message Signs (DMS) on I-81	Existing	TDOT
Portable DMS	Existing	City of Kingsport
Knoxville – Region 1 TMC	Existing	TDOT
GoSmart Kiosks at rest areas	Existing	TDOT
Video detection – local to signal cabinet	Existing	City of Kingsport
Tennessee 511	Existing	TDOT

Emergency Management

System, Technology or Capability	Status	Primary Operating Agency
Sullivan County Dispatch – dispatches Bluff City Police Department, County EMS, and volunteer fire department	Existing	Sullivan County
Kingsport 911 Dispatch – dispatches City of Kingsport police, fire and EMS	Existing	City of Kingsport
Mobile data terminals (MDTs) on THP vehicles	Existing	THP
Automated vehicle location (AVL) on THP vehicles	Existing	THP
MDTs in Sheriff and county public safety vehicles	Existing	Sullivan County
AVL on police and fire vehicles	Planned	City of Kingsport
Reverse 911 for chemical spills or AMBER Alerts	Existing	City of Kingsport Sullivan County

Public Transportation Management

System, Technology or Capability	Status	Primary Operating Agency
AVL on buses and paratransit vans	Existing	Kingsport Transit
CCTV cameras for local record only	Existing	Kingsport Transit

Maintenance and Construction Operations

System, Technology or Capability	Status	Primary Operating Agency
Portable closed circuit television (CCTV) cameras for use in work zones (not operational)	Existing	TDOT
Road weather information system (RWIS) stations	Existing	TDOT
Portable DMS and arrow boards	Existing	TDOT
Tennessee SmartWay Information System (TSIS)	Existing	TDOT
Arrow boards	Existing	City of Kingsport

Commercial Vehicle Operations

System, Technology or Capability	Status	Primary Operating Agency
Fixed weigh facility	Existing	THP
Virtual weigh in motion scales	Existing	THP

Kingsport ITS Needs

Travel and Traffic Management Needs

- Need CCTV cameras along I-26 and I-81
- Need portable and permanent DMS on secondary roads to help guide detour routes
- Need to be able to program and operate DMS locally
- Need to expand CCTV camera detection and surveillance
- Need improved traffic information dissemination
 - Explore dissemination through new outlets such as radio, reverse 911 or ONSTAR
 - Advance notification about problems on the interstate before getting onto the interstate
 - Improved dissemination from TDOT to local cities about detour routes

Public Transportation Management Needs

- Need video camera surveillance on Kingsport Transit Vehicles and bring back to a central location for short term recording
- Need DMS at transit stations to display bus arrival times and real time route schedules

Emergency Management Needs

- Need emergency vehicle signal preemption for City of Kingsport fire and police vehicles
- Need TDOT HELP patrol on duty in Kingsport area

Maintenance and Construction Management Needs

- Need additional weather detection, especially at Sam's Gap which ices over multiple times a year