2014 NRITS Conference

ITS JPO Update

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Earlier this year the ITS JPO was “elevated” to the Office of the Assistant Secretary for Research and Development. Our work is still the same, but the program has a higher presence within USDOT. This slide illustrates how we work cooperatively with other agencies with USDOT. It also lists some of our main research activities.
At the NRITS conference in 2013 we had a very productive session about the ITS Strategic Plan.
We expect to see the report out this fall.
We really appreciate the input from the rural ITS Community.
The key themes of the report include:

**Enable Safer Vehicles and Roadways** by developing better crash avoidance, performance measures, and other notification mechanisms, commercial motor vehicle safety considerations, infrastructure-based, and cooperative safety systems.

**Enhance Mobility** by exploring methods and management strategies that increase system efficiency and improve individual mobility.

**Limit Environmental Impacts** by better managing traffic flow, speeds, congestion, and using technology to address other vehicle and roadway operational practices.

**Promote Innovation** by fostering technological advancement and innovation across the ITS Program, continuously pursuing a visionary/exploratory research agenda, and aligning the pace of technology development, adoption, and deployment to meet future transportation needs.

**Support Transportation Connectivity** through the development of standards and systems architectures, and the application of advanced wireless technologies that enable communications among and between vehicles of all types, the infrastructure, and portable devices.
If you are planning to attend the ITS World Congress make sure you participate in the on site demonstrations and visit the USDOT booth.

**USDOT @ the ITS World Congress**

- ITS JPO will be offering:
  - Connected Vehicle safety and Road Weather demonstrations
  - Connected Vehicle simulators at the USDOT Booth
  - Workshops on the Connected Vehicle Test Beds
  - Discussions about the Connected Vehicle Pilots Program
  - New Connected Vehicle animation
  - Free Connected Vehicle 101 session on September 7th
The Demonstration sites, San Diego and Dallas, continue operating their systems and testing out the capabilities of their decision support systems.

As part of the ICM demonstration and evaluation, traveler surveys will commence after Labor Day. The success of ICM depends on the ability of transportation operators to work together and for travelers to modify their behavior. This survey will help the USDOT understand the effect that ICM has on the traveling public.

The award of ICM deployment planning grants is pending.

Knowledge and technology transfer continues with hands-on technical workshops to locations across the country that are interested in deploying ICM or have already begun.

We are also conducting four ICM Deployers’ Roundtable Webinars over the next two years. The first webinar is scheduled for October/November 2014.
The **GOALS** of the CV Pilots Program are to

- accelerate early deployment of Connected Vehicle technology
- understand and estimate benefits associated with deployment
- identify and solve key issues related to technical and institutional barriers
Here is a list of Connected Vehicle Training sessions coming this fall
2014 CV101 In-person Courses offered:
   Sept 7 – ITS World Congress
   Oct 1 – ITS Alaska (remotely)
   Oct 15 – ITS California
   Oct 28-30 – ITS Rocky Mountain
   Nov 12 – ITS Texas

Other additional FREE Trainings

Improving Highway Safety with ITS – Sept 16 – ITS 3C Summit in Mobile, AL

Consortium for ITS Training and Education (CITE) online courses (FREE for public agency staff):
   Managing High Technology Projects in Transportation (Sept-Oct)
   Principles and Tools for Road Weather Management (Sept-Oct)

ITS Resources:
ITS ePrimer
ITS Standards Training
The ITS Professional Capacity program has been a big part of our success in building capacity at local levels. The program offers training and learning opportunities on a variety of topics in the form of webinars and classroom lessons taught by practitioners and experts with hands on experience. Here is a sample of what we are offering (refer to the slide contents).

The ITS ePrimer provides transportation professionals with fundamental concepts and practices related to ITS technologies. This online resource can help practicing professionals and students better understand how ITS is integrated into the planning, design, deployment, and operations of surface transportation systems. The ITS ePrimer is both a stand-alone reference document for the practitioner as well as a text for education and training programs.
MSAA Deployment Planning proposals are currently under review. We anticipate making our recommendations and selections of successful projects this Fall.
The Connected Vehicle test bed will have regular data collection opportunities on a weekly basis (time still being schedule) where we’ll have vehicles collecting and transmitting data through the Southeast Michigan implementation of the CVRIA (probably 3 hours every Tuesday and Wednesday) for use by the industry in testing connectivity to the CVRIA and development of new Third Party applications that are part of the “Situation Data Processing Center.”

The Test Bed team is available for Ad-Hoc plugfest testing activities of devices and applications. There will be (at least) one upcoming Test Bed hack-a-thon for testing and application development that is yet TBD for location and time.
We provide a wealth of information about our program on the ITS JPO website. You can also sign up to receive updates through our e-mail newsletter, Facebook page and Twitter. We hold numerous free webinars, trainings and public meetings throughout the year, which are advertised through our website and communication media. We have had active participation from Transport Canada in many of those forums and welcome your continued participation in our activities.