Applying Past Experience
To Achieve Future Success:
Preview of Day 3 of Industry Forum on Connected Vehicles

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Welcome

The mission of the ITS evaluation program is to:

- *Determine the effectiveness and benefits of deployed ITS*
- *Assess the value of ITS Program investments*
- *Use these findings to make adjustments and refinements to the USDOT ITS Program*

Visit the ITS JPO website at: http://www.its.dot.gov
Conventional wisdom says…

- The price of technology is the most important factor that agencies use when deciding to deploy ITS.
- The same big agencies lead early ITS deployment – and everyone else follows.
- Connected Vehicles are 15 years in the future – state and local agencies don’t need to think about it yet.
Preliminary research shows...

- Demonstrable benefits, followed by system compatibility were two biggest factors cited by state/local agencies.

- Operating cost is a significant factor in decision to expand or maintain ITS deployments.

- Available expertise was cited as major decision factor. Lack of expertise seen as most significant barrier to adoption.

**Theme:** Performance-based management and demonstration of benefits emerging as key decision factors in budget challenged times.
Preliminary research shows…

- Many agencies look to their regional peers for the ‘right fit’ in implementing ITS.

- Innovative ITS deployment is happening in many areas, but documented benefits specific to regional characteristics can be lacking.

- Multi-state coordination plays a significant role in accelerating impact of ITS deployment as in the case with 511.

*Theme: State, regional and local agencies need better, clearer information on ITS performance specific to their environment.*
Preliminary research shows…

- Agencies are interested in learning about how connected vehicle technologies can promote safety and mobility.

- States that are testing connected vehicle technologies:
  - Arizona, California, Florida, New York, Michigan, Virginia

- High priority areas: traveler information, incident response, congestion

“We feel that connected vehicle projects would be well received by public.” – State transportation agency senior engineer.
Study of ITS Implementation

Objectives:

- Identify motivating factors for adopting and expanding use of ITS technology
- Determine if continued implementation produced measurable effects
- Understand what information best supports decision makers needs and how best to deliver it
- Recommend actions the U.S. DOT can take to accelerate ITS technology adoption and deployment, moving toward connected vehicle technology and next generation ITS.
Moving towards a Connected Vehicle Environment

- Implementation decisions to be made by public and private sector.
- Requires demonstration of benefits and technology maturity.
- Multiple levels of education – including state/local agency staff, consumers, and automotive dealers.
- What connected vehicle applications will solve public sector challenges in safety and mobility?

Discussion: What are the implications of past ITS deployments on the future connected vehicle environment?
Join the conversation
Thank you!

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