

# **Applying Past Experience To Achieve Future Success:**

**Preview of Day 3 of Industry Forum on Connected Vehicles**

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# Welcome

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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...

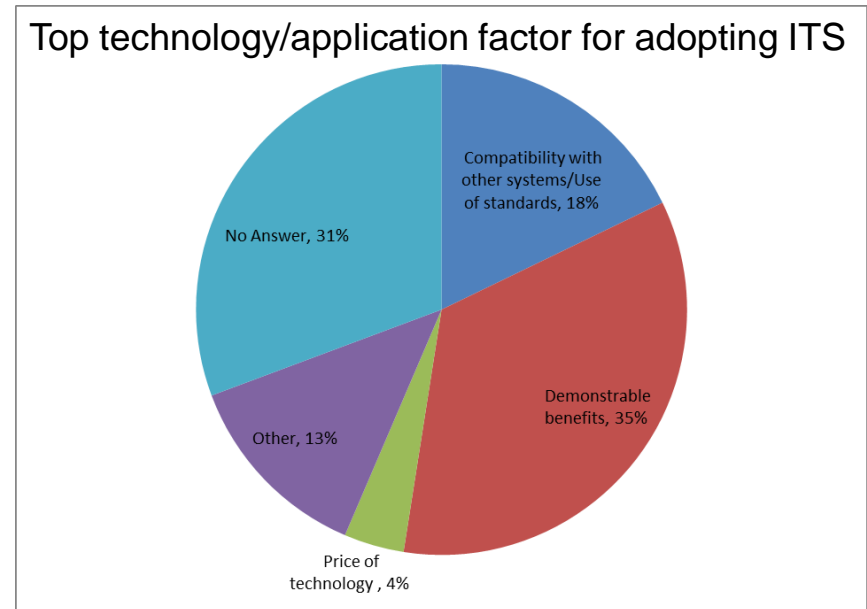
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- The price of technology is the most important factor that agencies use when deciding to deploy ITS.
- The same big agencies lead early ITS deployment – and everyone else follows.
- Connected Vehicles are 15 years in the future – state and local agencies 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.



Poll results from June 7, 2012 webinar.

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

# Preliminary research shows...

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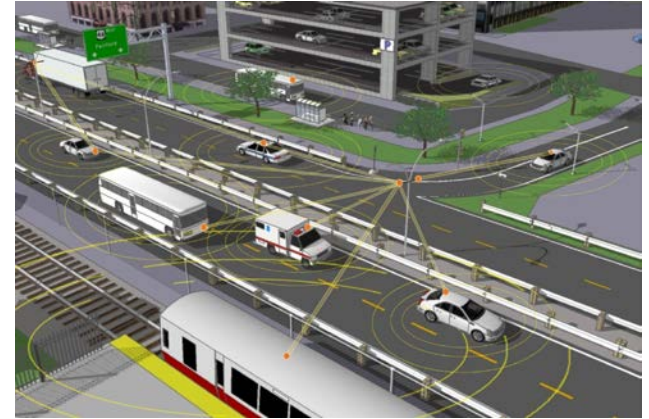
- Many agencies look to their regional peers for the 'right fit' in implementing ITS.
- Innovative ITS deployment is happening in many areas, but documented benefits specific to regional characteristics can be lacking.
- Multi-state coordination plays a significant role in accelerating impact of ITS 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

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## 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

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- 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

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# Thank you!

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