



U.S. Department of
Transportation

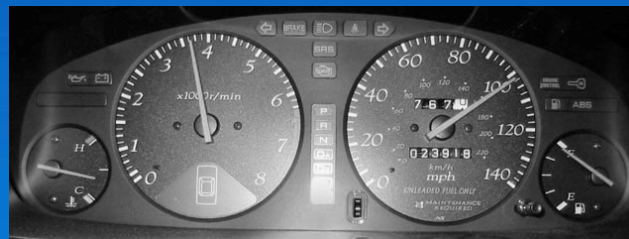
Technology and the Future of Transportation

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Previous World



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From Previous World to Now



The Continuing Trends

- Explosion of Technology
- Limited Public Resources
- Ever-growing expectations for instant information



We Need



**Private Sector Sandbox
Enables Creativity**

- Ensures Public Good
 - Reduce Congestion
 - Improve Safety

Previous World

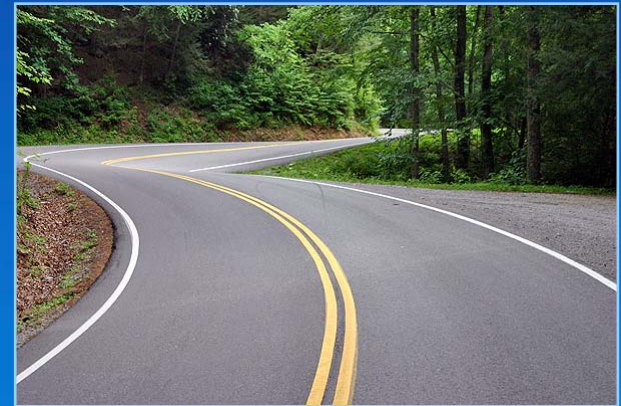


Future World

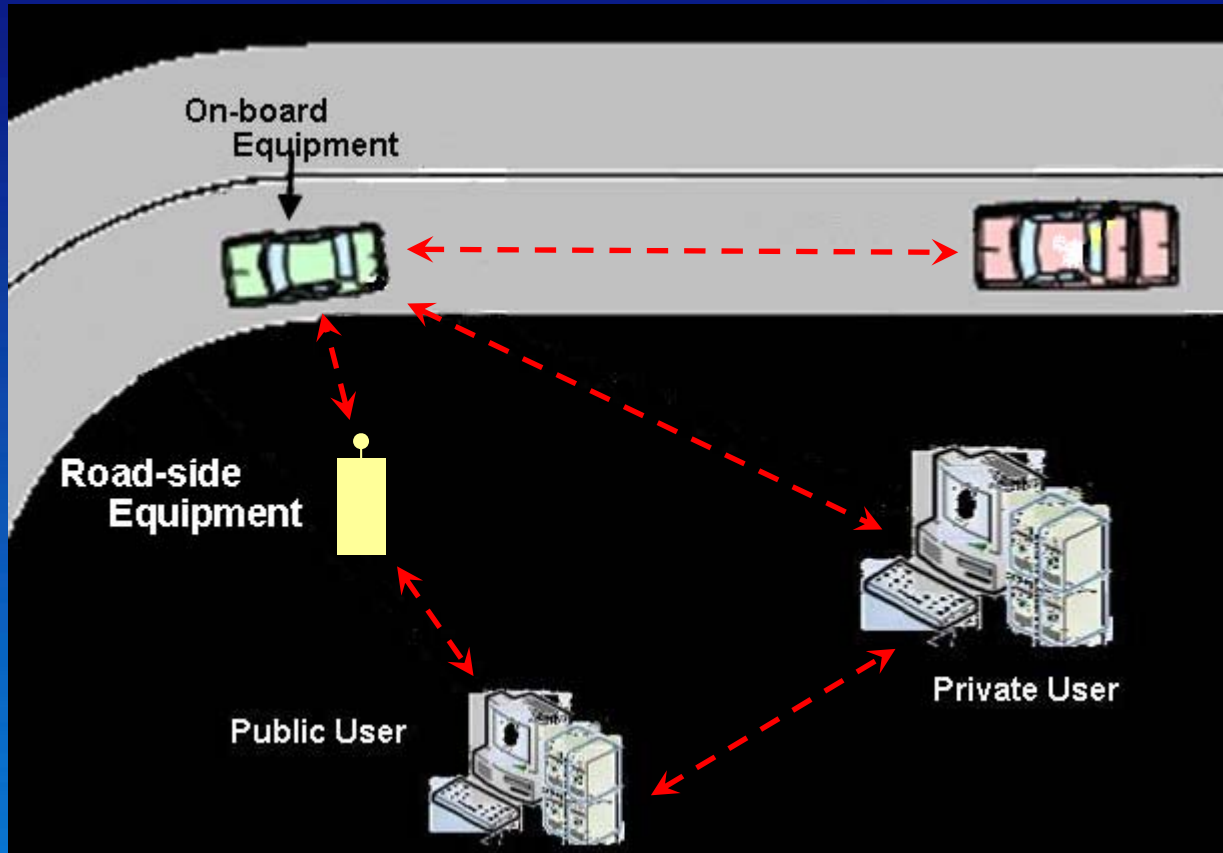


Internet provides backbone for many applications and IS the sandbox

Previous World



Future World



Future Transportation Vision

Communications framework to connect vehicles, roadways, and drivers to enable technology innovation for safety and mobility



Vehicle Infrastructure Integration

- VII is the new sandbox for transportation
- VII will happen – it's only a matter of when and how
- VII gives us new ways to address:
 - Congestion
 - Safety



Vehicle Infrastructure Integration

- Imagine:
 - Traffic information on all roads, all the time



- Vehicles wrapped in information



- VII enables new services for private sector and new capabilities for public sector

VII Under Market Influences Only

- Multiple, competing, proprietary sandboxes
- Only in commercially viable areas



VII and the Federal Role

The Federal role is to foster development of one sandbox that:

- Ensures open systems (standards)
- Maximizes creativity
- Maximizes applications
- Ensures the public good
- Ensures cooperative infrastructure deployment, ownership, operations and maintenance



Conclusion

- The “Previous World” is gone forever
- We are leveraging today’s technologies to prepare the vision for the future
- The Federal role in this process is to create and foster the environment for successful technology innovation

