

# Welcome from U.S. DOT / RITA

## Open Seminar for EU-Japan-U.S. Cooperation on ITS

Dr. Robert L. Bertini, Deputy Administrator  
Acting Director, ITS Joint Program Office

Ministry of Land, Infrastructure, Transport and Tourism  
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# U.S. and Global Problems

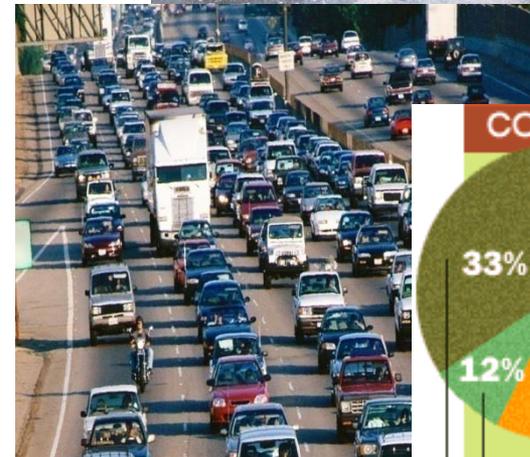
## Safety (2009)

- 33,808 fatalities/year
- 2.22 million injuries/year
- 5.51 million crashes/year
- **Leading cause of death for ages 4 to 34**



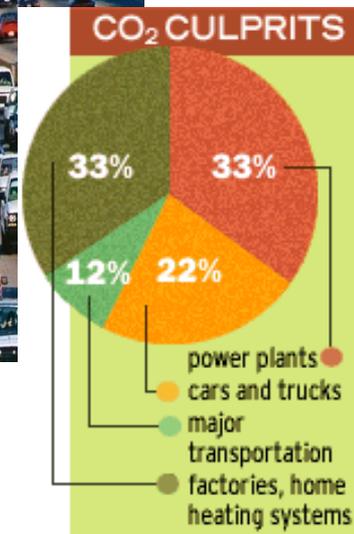
## Accessibility and Mobility

- 4.2 billion hours of travel delay
- \$78 billion cost of urban congestion



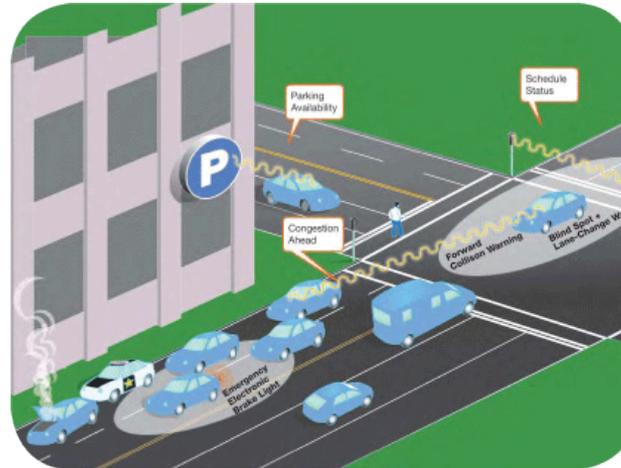
## Environment

- 2.9 billion gallons of wasted fuel



# Critical Issues

- Safety
- Distracted driving
- High-speed rail
- Alternative fuels
- Livability
- Sustainability
- Nanotechnology
- Land use planning
- Connected vehicles
- Next generation 9-1-1
- Traffic congestion
- Innovative financing
- Marine highways
- Climate change



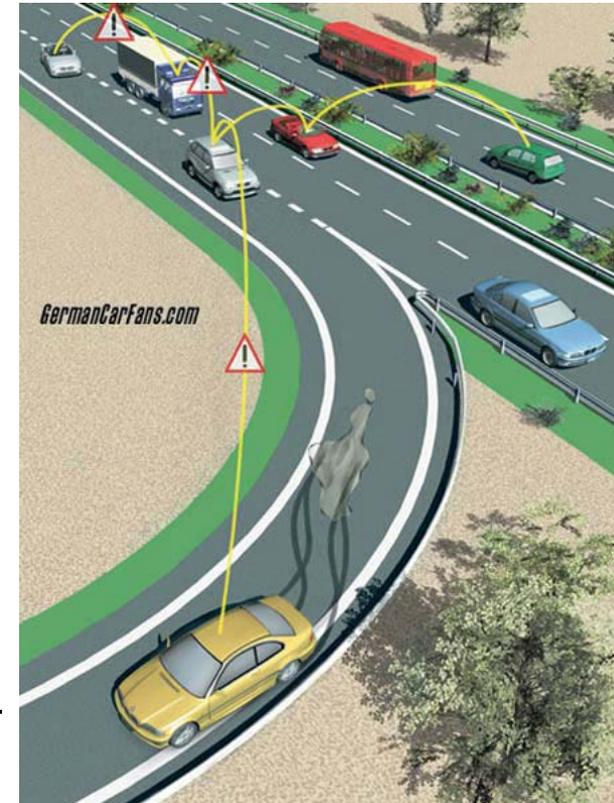
# International Cooperation

- U.S. DOT leadership recognizes that national transportation systems are bound together in a multinational community.
- Technological advances and interpersonal collaboration foster an interconnected environment.
- Transportation leaders must address ways to harness technology for common goals.
- This forum exemplifies opportunities for interaction / cooperation among leaders.
- U.S. DOT – starting at the top – believes that sound transportation research and data driven analysis will point the way to future successes in collaborative initiatives.
- Commitment to international harmonization of cooperative systems standards.



# Vision for the Future

- National, multi-modal surface transportation system—with connectivity as its central core.
- Vehicles (cars, trucks, buses, fleets of all kinds), the infrastructure and mobile devices.
- Leveraging technology to maximize safety, mobility and the environment—enabled through wireless communications—in all modes.
- First priority is safety: crash and injury prevention.
- Foster technological advances across borders—for benefit of all international partners.
- Open platform for vehicle-to-vehicle (V2V) and vehicle-to-Infrastructure (V2I) communications is the major driving technology.



# Secretary LaHood Priorities

- **Safety:** Improve public health and safety by reducing transportation-related fatalities and injuries.
- **State of Good Repair:** Ensure the U.S. proactively maintains its critical transportation infrastructure in a state of good repair.
- **Economic Competitiveness:** Promote transportation policies and investments that bring lasting and equitable economic benefits to the nation and its citizens
- **Livable Communities:** Foster livable communities through place-based policies and investments that increase transportation choices and access to transportation services
- **Environmental Sustainability:** Advance environmentally sustainable policies and investments that reduce carbon and other harmful emissions from transportation sources



# ITS Breaking Down Silos

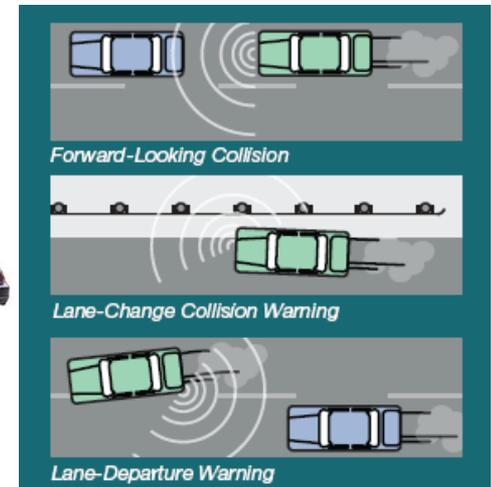
- More cross modal
- Now including rail and maritime
- Cars, trucks, buses, fleets, and vehicles of all kinds
- Commitment to dedicated short range communications (DSRC)
- Safety → Mobility → Environment
- Increased outreach and involvement of stakeholders
- Broadening of participation of public and private sectors and universities
- Distracted driving
- International cooperation and standards harmonization



# DSRC Commitment

“We’re fully committed to Dedicated Short Range Communications, which deliver real-time information and data to – and between – vehicles. We know that this technology will not only achieve new safety benefits, but also create a platform for innovations with countless commercial applications.”

*Ray LaHood  
U.S. Secretary of Transportation  
May 5, 2010, Houston, Texas*



# Europe – U.S. Cooperation

RITA and EC DG Information, Society and Media signed agreement in Cooperative Systems addressing five areas:

## ▪ **Applications:**

- V2V Cooperative Forward Collision Avoidance
- V2I Red light and stop sign violation warning and emergency braking caused by pedestrian detection
- Sustainability application – addressing eco-driving and traffic systems management to reduce emissions

## ▪ **Harmonized standards**

▪ **Assessment tools and methods:** using the same measures in the same ways to create comparable and mutually useful data)

▪ **Human factors:** focused on distracted driving

▪ **Glossary of terms:** defining those terms which are used in our bilateral documents



# Thank You for Your Attention

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[robert.bertini@dot.gov](mailto:robert.bertini@dot.gov)  
[www.rita.dot.gov](http://www.rita.dot.gov)  
[www.its.dot.gov](http://www.its.dot.gov)  
[www.intellidrive.org](http://www.intellidrive.org)

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