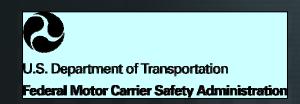


Federal Motor Carrier Safety Administration

# **Technology Accomplishments**

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# **Employer Notification Service**

#### <u>Purpose</u>

 Examine the benefits of deploying a national employer notification service when there is a change in driver CDL status

#### <u>Accomplishments</u>

Feasibility study has been completed

## Next step

 Conduct two-year pilot tests in two states to further examine cost/benefit assumptions from the first phase of research

# **Enhanced Rear Signaling**

#### <u>Purpose</u>

- Reduce rear end collisions with heavy trucks
- Identify and evaluate technologies that will warn following drivers to take evasive actions

#### <u>Accomplishments</u>

 Research underway to determine the causal factors of these crashes

## Next step

Develop and evaluate countermeasures in 2005

# **Untethered Trailer Tracking System**

#### <u>Purpose</u>

Test and evaluate an untethered trailer tracking system to determine how this technology can improve safety, security, and efficiency in the movement of high-value or high-security risk loads

## <u>Accomplishment</u>

Initiated 3-month pilot test with 75 trailers and 3 carriers

- Complete pilot test at the end of January 2005
- Complete final evaluation report in May 2005

# **Deployment Planning**

#### <u>Purpose</u>

 Disseminate information and facilitate widespread deployment of onboard safety systems

#### **Accomplishments**

 Established partnerships with stakeholders to facilitate the deployment of onboard safety technology by the industry

- Complete voluntary requirements for 3 projects by July 2005 (Roll Stability System, Forward Collision Warning System, Lane Departure Warning System)
- ◆ In 2005, compute cost-benefit for industry

# Wireless Inspections of Trucks and Buses

#### <u>Purpose</u>

 Utilize ITS (wireless) technologies to make truck and bus inspections more effective and efficient

#### **Accomplishments**

Project initiated (September 2004)

- Development of new operational concepts (March 2005)
- Concept Feasibility Evaluation (May 2005)
- System Development and Deployment Plan (August 2005)

# **CDL 3rd Party Anti-Fraud**

#### <u>Purpose</u>

- Develop technology to deal with fraudulent CDLs
- Develop specifications and pilot test software to be used by motor vehicle administrators for detecting fraud among 3<sup>rd</sup> party testers

#### <u>Accomplishments</u>

Finalized data requirements and specifications document

#### Next Step

 Design, develop, and pilot test software in 3 States by the end of 2005

#### **SmartPark**

#### <u>Purpose</u>

 Develop, test, and demonstrate effective and innovative technology for conveying real-time information on parking availability at truck/rest stops

#### <u>Accomplishments</u>

White paper discussing SmartPark issues completed

- Publish Broad Agency Announcement of the solicitation for concept papers, early 2005
- Phase I: Select 2-3 offerors for feasibility study or more detailed proposal
- Phase II: Select best proposal for funding of demonstration and evaluation

# **CVISN** Deployment Program

#### <u>Purpose</u>

- Increase highway safety by improving the quality, timeliness, and access to motor carrier safety and credentials data
- Develop and deploy integrated, cost-effective information systems and communications networks using state-of-the-art technologies

# <u>Accomplishments</u>

- 2 more States completed core deployment
- 3 States completed CVISN workshops (design step)

- Complete core deployment in up to 5 States
- Select 2-3 expanded capabilities for national deployment
- Host ITS/CVO Deployment Showcase February 22-23, 2005 (www.2005showcase.com)

# **Publications 2004**

- CVISN Electronic Credentialing for Commercial Vehicles in Connecticut
  - See cvisn.fmcsa.dot.gov "What's New"
- CVISN Electronic Credentialing for Commercial Vehicles in Washington State
  - See <u>cvisn.fmcsa.dot.gov</u> "What's New"
- CVISN: Partnerships for Safer, Simpler and Smarter Transportation Systems (Brochure)
  - Contact jeff.secrist@fmcsa.dot.gov

