Overview of Florida’s Smart Roadside

FLORIDA VIRTUAL WEIGH STATION, SNEADS REMOTELY OPERATED COMPLIANCE SYSTEM (ROCS) AND JAXPORT ROCS

presented to
2008 National Rural ITS Conference

presented by
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September 3, 2008
Virtual Weigh Station – Punta Gorda, Florida
  - I-75 & US-41
ROCS (Remote Operated Compliance System) – Sneads, Florida
  - I-10
Jacksonville Port WIM – Jacksonville, Florida
  - Blount Island Marine Container Terminal
Next Steps - Florida Expanded CVISN
The Challenge

How can governments ensure the safe and secure movement of a growing commercial vehicle industry with limited resources considering the following.

- Freight volume is expected to double by 2035
- Truck vehicle miles traveled are forecasted to increase 60% by 2020
- State infrastructure and resources to conduct enforcement/regulatory activities already are “overwhelmed” in many states

How can the government improve the productivity and mobility of the commercial vehicle industry?

- Support key economic sector
- Improve customer service
Punta Gorda Virtual Weigh Station

Punta Gorda, Florida
Punta Gorda Virtual Weigh Station
Punta Gorda Virtual Weigh Station
Punta Gorda Virtual Weigh Station
Sneads ROCS

Remote Operated Compliance System (ROCS) – Sneads, Florida
Sneads ROCS

- WIM SITE
Sneads ROCS

- **Equipment**
Sneads ROCS

- ROCS Viewer
JaxPort Project
JaxPort Project

- JaxPort Site
JaxPort Project

Compliance and Regulation

- Data Acquisition
  - Gross Weight
  - Axle Weight
  - Vehicle Picture
  - DOT # (automated OCR capture)
  - Dimensioning
  - Container # (automated OCR capture)
JaxPort Project

- Weight Indicator via WIM
JaxPort Project

- Camera Capture
JaxPort Project

- 3-Dimensional Measuring
JaxPort Project

Container # Capture
JaxPort Project

- Container # Capture
JaxPort Project

- **System Capture**
Intermodal Freight Technology

- **Envelope Vehicle**
  - Marrying existing technology with automated chassis number capture will allow for ‘next generation’ freight flow data collection
  - *US DOT #, Cont. #, Chassis #, AVI, (License Plate?)*
JaxPort Project

- Weather Station
JaxPort Project

- JaxPort Technology Station
JaxPort Project

- JaxPort Technology Station
Expanded CVISN

- Expanded CVISN - Next phase of CVISN after completion of CVISN core capabilities
- Florida began formal planning in 2007
- Met w/ partner agencies, developed list of 9 Potential Expanded CVISN projects that build on CVISN Core deployments
Expanded CVISN

9 Florida Expanded CVISN Projects

1. Virtual Weigh Station(s)
2. Port-of-Entry Feasibility Study & Best Practices Report
3. Enhanced Thermal Eye Monitoring System
4. Dept of Agriculture LPR System Expansion
5. Enhance DACS LPR System - PRISM DB query
6. Container Number Database Deployment
7. Expand AgPass to Western Florida (Pensacola IB)
8. Electronic Credentialing System Enhancements
9. Automated Permitting System Enhancements
Questions

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