Florida's Commercial Vehicle Information Systems and Networks (CVISN) Executive Steering Committee Meeting

September 5, 2013
Paul Clark
CVISN Program Manager

Agenda

☐ Florida's CVISN Program

☐ Core CVISN (Where we've been)

☐ Expanded CVISN (Where we are)

☐ Expanded CVISN (Where we're going)

☐ CVISN System Performance

CVISN

□ Florida's CVISN Program is a multi-agency initiative using advanced technologies to improve commercial vehicle safety, streamline regulation of the commercial vehicle industry, and improve efficiency of motor carriers and motor coach companies operating in Florida.

□ FDOT ITS
□ FDOT Permits
□ DHSMV MCS
□ DHSMV FHP/CVE
□ DOR

□ DACS
□ FMCSA
□ Florida Trucking Association

CVISN

USDOT Federal Motor Carrier Safety Administration Core CVISN Requirements:

- ◘ Safety Information Exchange
  - ◘ Electronically collecting and exchanging safety performance and credentials information within the state and among states, federal agencies, and motor carriers

- ◘ Electronic Screening
  - ◘ Deploying transponder technology to identify and electronically screen commercial vehicles at mainline speeds

- ◘ Electronic Credentialing
  - ◘ Using Web sites or computer-to-computer exchange for motor carrier companies to apply for, review and pay registration fees and returns on fuel taxes with state agencies and for states to participate in the International Registration Plan (IRP) and International Fuel Tax Agreement (IFTA) clearinghouses

Core CVISN
Program Deployment Overview

Project	Status
Advantage I-75 (Prior to CVISN)	Deployed 1996
ASPEN 2.0 Deployment	Complete 10/2001
Agriculture Electronic Pre-Clearance – AgPass/BOL	Complete 8/2002
IRP Clearinghouse	Complete 11/2002
Feasibility Study of Electronic Credentialing Needs	Complete 12/2002
Automated OS/OW Processing	Online apps 5/2002; Routing 4/2003
CVO Help Desk [Telephone System & Website]	Complete 7/2003 & 4/2004
SmartCOP OS/OW Permit Viewing Application	Complete 5/2004
Information Systems Inventory	Complete 7/2004
IFTA Clearinghouse	Complete 12/2004
OMCC Electronic Pre-Clearance HELP Inc./PrePass	Deployed 11/1999; last site 2/2005
Electronic Freight Theft Management System	Original System complete 7/2005
Punta Gorda Bypass Detection System	Deployed 9/2006
Electronic Credentialing System	Complete 12/2007
IFTA/IRP Credentials upload to SAFER Database	Complete 6/2008
CVIEW Equivalent	Complete 12/2008
Electronic Payment Options	Cancelled

Expanded CVISN Overview

- Expanded CVISN deployment builds on Core CVISN in several areas:
  - Electronic credentials administration
  - Safety information exchange
  - Electronic screening
  - Virtual roadside sites
  - Enhanced electronic OS/OW permitting

- Objectives focused on:
  - Enhancing safety, security & productivity of CVO
  - Improving access to and quality of information about commercial vehicle operations for authorized users

Expanded CVISN Overview

Project	Status
Florida Expanded CVISN Program Plan & Top Level Design Development	*Plan Approved 2/2010; **currently being updated***
Virtual Weigh Station(s) Deployment	*3 complete*
Port-of-Entry Feasibility Study	*Finalizing study based upon team recommendations*
Container Number Database Deployment	*In process*
MCSAW & DACS LPR/PRISM	*In process*
Dept of Agriculture Container Number Capture System Expansion (11 locations)	*Complete*
DACS LPR Upgrades & Camera Additions	*Scheduled for State FY 2013-14*
Automated Permitting System Upgrades	*In process*
USDOT Cameras (MCSAW)	*Scheduled for State FY 2013-14*
Permits Electronic ID Feasibility Study	*Scheduled for State FY 2013-14*
IPAS Kiosks	*Scheduled for State FY 2013-14*
Outreach to Increase CVISN System Usage	*Scheduled for State FY 2014-15*
CVISN/CVO Workshops	*Scheduled for State FY 2014-15*

Florida's Expanded CVISN Projects

Virtual Weigh Station(s)

- Virtual roadside facilities equipped with one or more ITS technologies: high-speed WIM, License Plate Readers, US DOT readers, height detection

- Data runs against several law enforcement databases (hot list, overdue citations, etc.)

  Total budget = $1,245,467

Florida's Expanded CVISN Projects

Florida's Expanded CVISN Projects

MCSAW USDOT Readers

- Deployment of cameras to capture USDOT number

- Automated checking for safety violations, out-of-service violations, delinquent fines

  Budget: $796,500
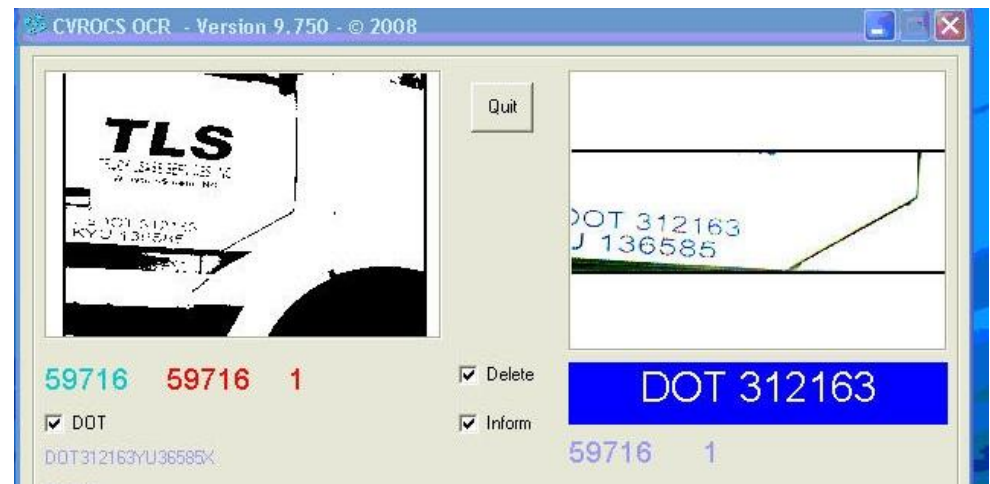
Florida's Expanded CVISN Projects

Department of Agriculture Container Number (CN) Capture Expansion

- Created user interface for manual entry of CN to 11 additional remote, low volume stations

- Added LPR/CNR cameras to station #4

- Allows larger reach of container number capture

Budget = $239,000

Florida's Expanded CVISN Projects

Container Number Database Deployment

◻ Data (LPR and/or Container #) from DACS stations, MCSAW stations and VWSs into one database for law enforcement & origin/destination info

◻ Potential for additional cameras at strategic locations

Budget: $441,532
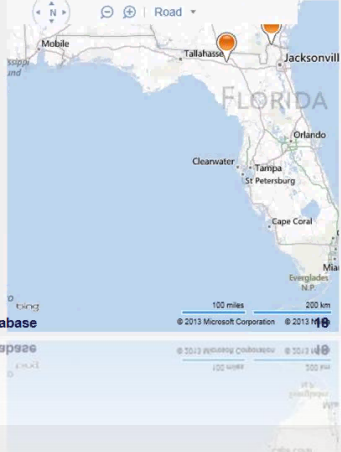
Container Number Database

Partner Agencies and Systems
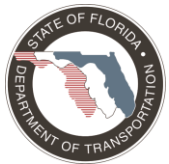
- Florida Department of Transportation (FDOT) – Motor Carrier Size and Weight (MCSAW)
  - Weigh Stations and Virtual Weigh in Motion (VWIM) System
    - License plates and USDOT

- Florida Department of Agriculture and Consumer Services (DACS)
  - Tag Recognition System (TRS)
    - License plates, USDOT, and Container Numbers

Container Number Database

Partner Agencies and Systems

- Florida Department of Highway Safety and Motor Vehicles (DHSMV)
  - Florida Highway Patrol (FHP)
    - Overdue citations (target) list (over $9 million in unpaid citations)

- United States Department of Transportation (USDOT)
  - Federal Motor Carrier Safety Administration (FMCSA)
    - Performance and Registration Information Systems Management (PRISM)
      - Out of service (OOS) vehicles list

Container Number Database

Watch Lists

- ◻ Contains CVIDNs of Interest
    - ◻ PRISM Federal out-of-service / target vehicle
    - ◻ FHP overdue citations
    - ◻ User specified list of CVIDNS

- ◻ Triggers real-time notification and email
    - ◻ System watch lists notifications
    - ◻ Custom watch list notifications
        - ◻ Checks database at time of creation
        - ◻ Continues to check new incoming sightings data from readers for matches

Container Number Database

CNDB – System Architecture
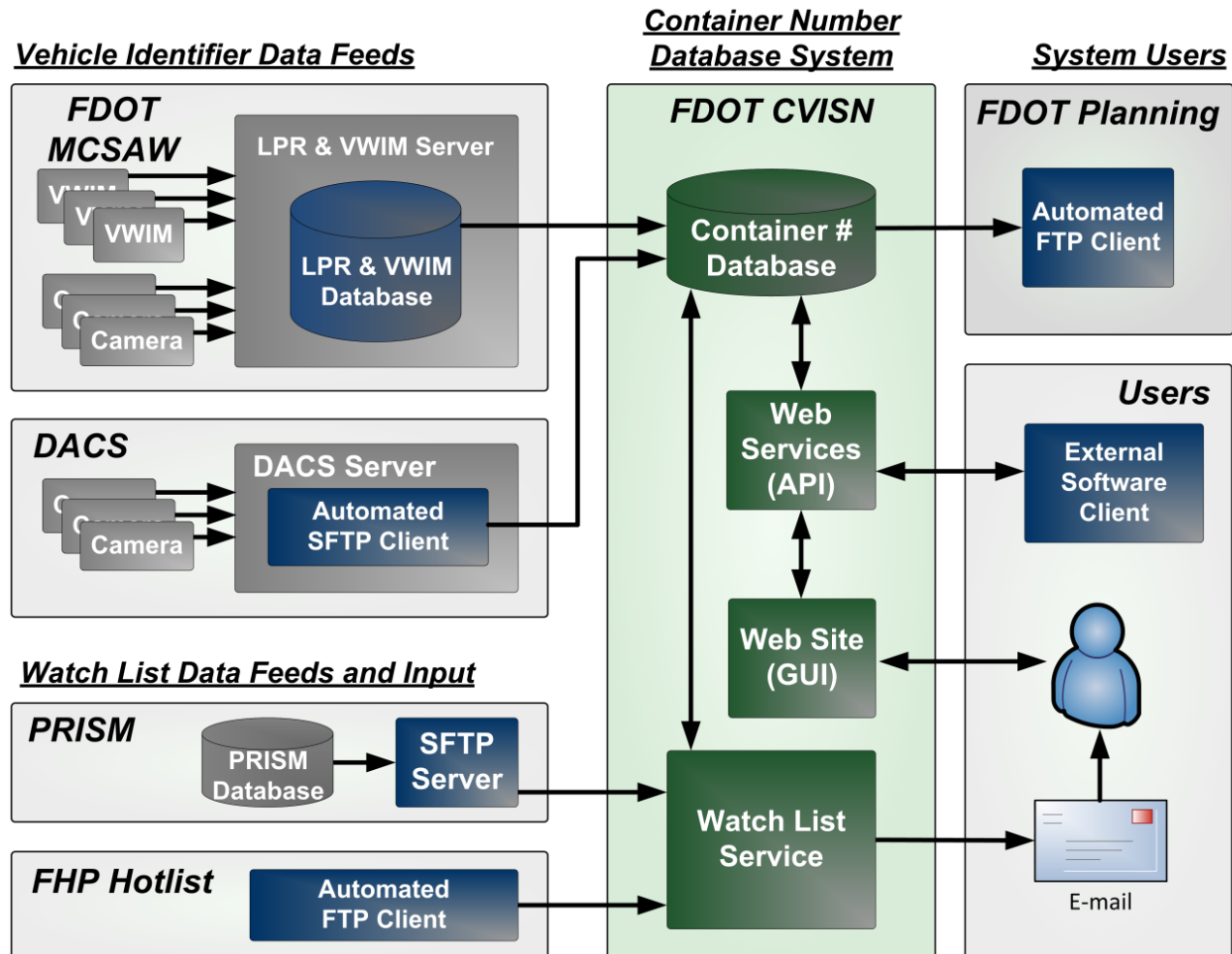
Vehicle Tracking and Plotting

FHP Overdue Citations Hits

Container Number Database

Register | Log in

Watch List Hits | Travel Points

FHP Over Due Citation Hits

View Details

Citation Basics
Status: A
Date of Citation: June 5, 2013
Amount: $79

Vehicle Information
VIN: 2HSFHASR1XC067771
License Plate: F9189G

Carrier Information
USDOTNumber: 1455499
Name: GOTTA GO TRANSPORT
Address: 22413 NW 227 DR, HIGH SPRINGS, FL, 32643

Officer Information
Name: WIENBERG, JAMES THOMAS
Badge Number: 333
Field Office:

View Details

Citation Basics
Status: X
Date of Citation: April 20, 2009
Amount: $5000

Vehicle Information
VIN:
License Plate:

Carrier Information
USDOTNumber: 1821497
Name: M & S TRANSPORT
Address: 15205 MOTTLED OWL RD, WEEKI WACHEE, FL, 34614

Officer Information
Name: MCQUILKEN, TRACY LYNN
Badge Number: 3182
Field Office: TPA

View Details

Citation Basics
Status: A
Date of Citation: May 8, 2013
Amount: $100

Vehicle Information
VIN: 1FUYTMCB4TL613684
License Plate: 844MZM

Carrier Information
USDOTNumber: 2392490
Name: FINEST ALLTIME RECOVERY
Address: 1974 CAROLL ST SUITE H, CLEARWATER, FL, 33765

Officer Information
Name: BROXEY, JR, ISAAC
Badge Number: 638
Field Office:

View Details

Citation Basics
Status: X

Vehicle Information
VIN: 1FUYDCYB3KH358821

Carrier Information
USDOTNumber: 920814

Officer Information
Name: *HANCOCK, JR., GLENN E

FHP Overdue Citations Hits

Florida's Expanded CVISN Projects

Automated Permitting System Enhancements

▪ Provide system linkages between various permitting system components (ASABE, PAS, analysis tools modules, GIS routing)

▪ Automated routing module went online 8/18/2013

   Total budget through 3/2015 = $835,593

Create Application

Permit Application

PAS Input

During Create Application

- PAS will automatically perform some calculations and validation on the values entered from the application.

  - Gross Vehicle Weight is automatically calculated using the Axle Weights.

  - Outer Bridge is automatically calculated using the Axle Spacings.

- In this example, PAS has notified us of an **error** on the Permit & Vehicle Configuration Tab.

  1. The Travel Begin Date selected is earlier than the current date (*June 17th, 2013*).

     1. New begin date should be verified by the customer.

     2. The selection of an earlier Travel Begin Date does not guarantee a faster processing time if the application requires further review by the District Office(s) or by the Office of Maintenance.

  2. A Kingpin Distance was not entered and is a required field.

     1. The customer had not included this on the application, so they should be contacted to obtain it.

     2. When this information is entered, the system will still validate the number to ensure it is allowable.

- The system will always validate these fields each time the application is saved.

Differences in Routing Options

"Unvalidated" Route

"Validated Route"

Route changes based upon restrictions determined on route.

Create Application

Application Approved

Application Requires Review

Florida's Expanded CVISN Projects

IPAS Kiosks

- Deploy equipment at 19 MCSAW weigh stations to allow commercial vehicle operators to apply, pay for, and receive permits on site

  Budget = $150,000

Florida's Expanded CVISN Projects

Trip Permits Electronic ID Feasibility Study

- Determine best method to electronically link permit to specific vehicle so they can be verified (in automated fashion)

- Provide ability to verify at weigh stations, VWS, at roadside, or from enforcement vehicles while moving

  Budget = $75,000

Florida's Expanded CVISN Projects

CVISN Systems Operations & Maintenance

- Funds to keep previously deployed systems operational

- Equipment upgrades/replacements

- Software upgrades

  Total budget through 8/2015 = $691,795

Additional CVO Accomplishments

CVO Help Desk
www.FloridaTruckingInfo.com

- Telephone **850-414-4700**
  - One number to remember
  - Transfer to all CVISN regulatory agencies including FMCSA

CVISN System Performance

◻ MCSAW Weigh Stations Electronic Clearance HELP Inc./PrePass

◻ Department of Agriculture Pre-Clearance (AgPass)

◻ Department of Revenue BOL Program

◻ Electronic Credentialing System

◻ Permit Application System (PAS)

HELP Inc./PrePass Bypasses
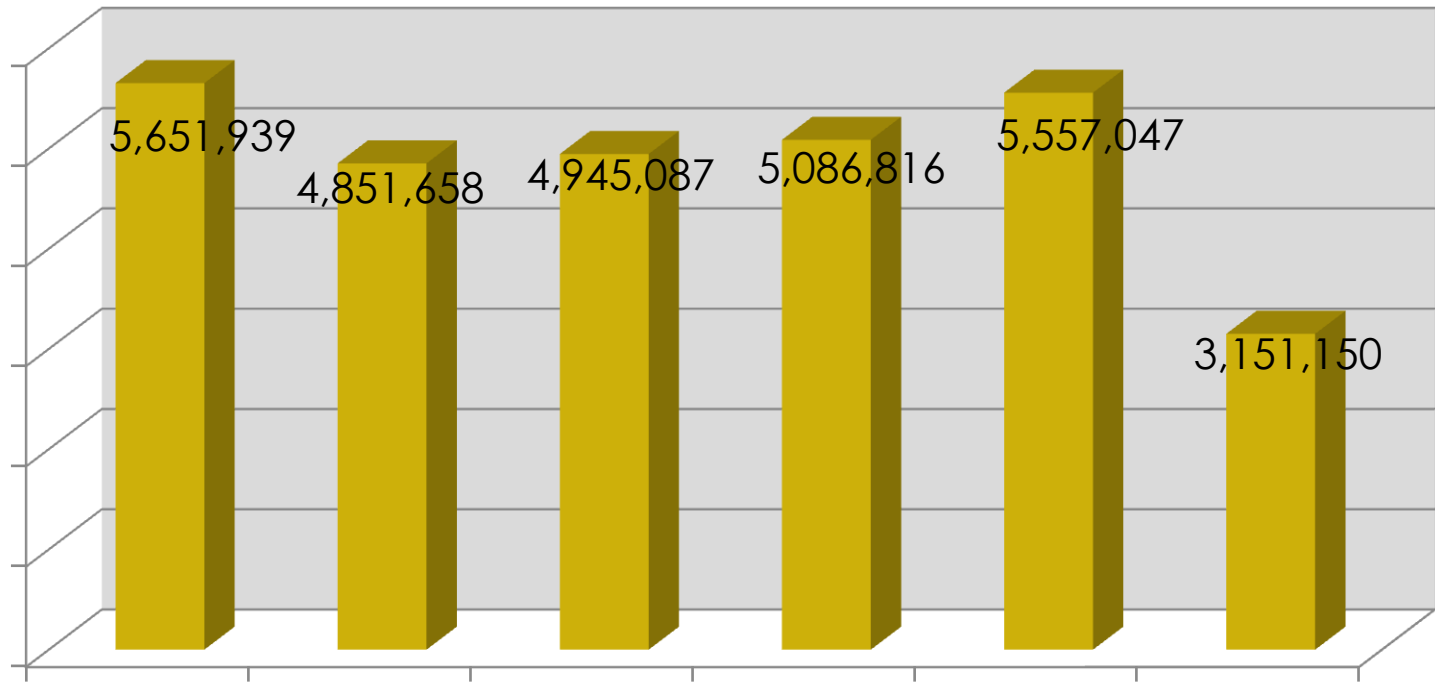
July 2013 YTD = 3,151,150; on target for over 5M this year

HELP Inc./AgPass Bypasses

Chart showing bypass values: 1,141,077; 1,083,051; 1,153,043; 1,095,699; 1,250,028; 885,735
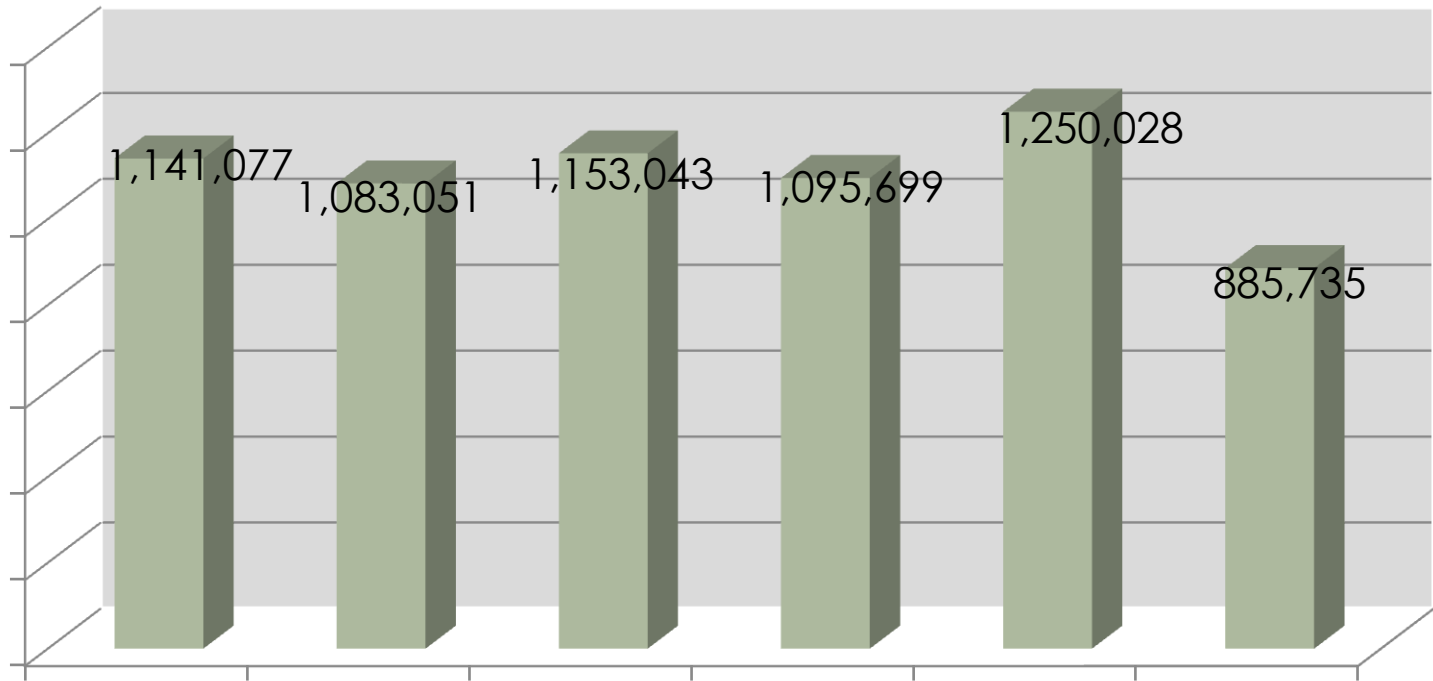
July 2013 YTD = 885,735; on target for over 1M this year

AgPass Carrier Account Growth

Total Approved Applications

Department of Revenue (DOR)
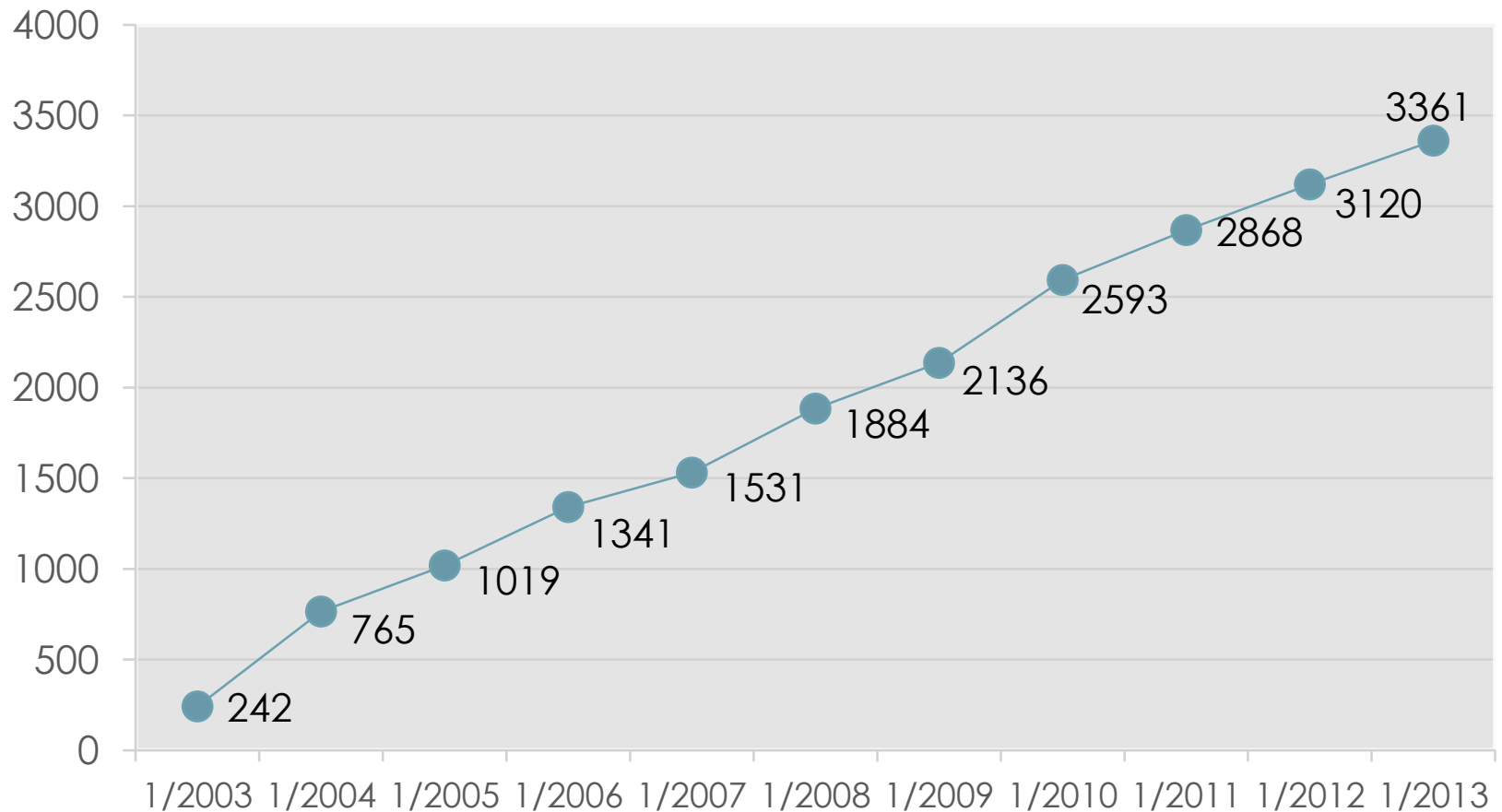# Bill of Lading (BOL) Program

In conjunction with CVISN and Agriculture AgPass

◻ FY 2012-13, the Department of Revenue collected $1,091,094 using the electronic CVISN BOL data

(Total collections = $12,050,622)

Electronic Credentialing System

- ☐ The highest utilization – Electronic request for IFTA tax return refund (on average, 94% are processed online)

- ☐ Number of CVISN online accounts has increased significantly over the past 5 years; total accounts on 4/2013 = 14,727

- ☐ DHSMV reports high usage from third party carrier service providers

Online Permit Application Growth

% Online Applications
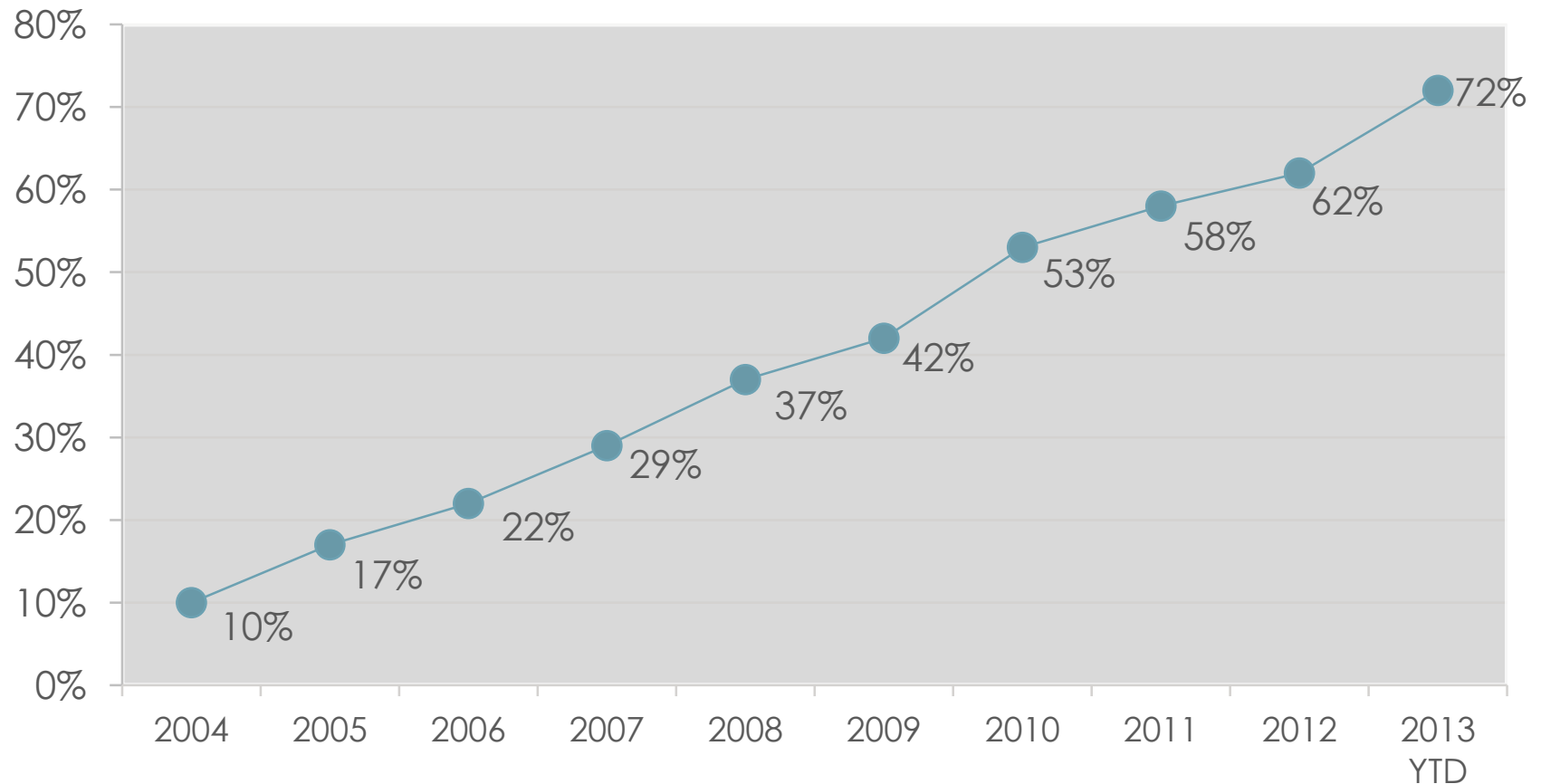
CVISN Program Benefits

- Safer roadways

- More efficient use of limited staff resources

- Supports Florida's CVO industry

- Decreased highway maintenance costs due to illegal overweight truck induced damage

- Decreased emissions

- Decreased fuel costs for carriers

- Ability to gather origin/destination data for freight planning

FLORIDA'S CVISN PROGRAM

Questions/Discussion