



#### Florida DOT ITS Performance Measures

# Traffic Operations Performance Management Peer Exchange December 16, 2013



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#### **ITS Performance Measures**

#### Showing Effectiveness of Deployed ITS

Identifies areas that need improvement or meet/exceed expectations

- Output Measures
  - Services provided to the public or others
- Outcome Measures
  - Result or consequence from carrying out a program or activity







## Statewide Integrated ITS

- Reporting Operations Performance Measures since 2004
  - Output measures
    - Total annual 511 calls
    - Road Ranger stops
    - ITS miles managed

- Outcome measures
  - Incident duration
  - Travel time reliability
  - Customer satisfaction







#### **Output Measures**





#### **Total Annual 511 Calls**

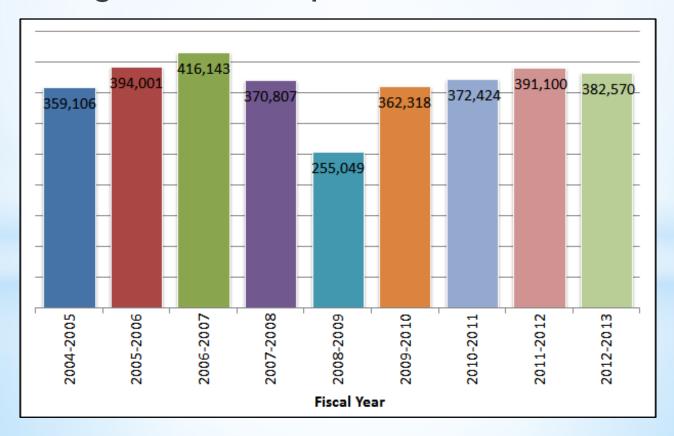
- Over 14 Million Messages, Calls, Visits, and Alerts in FY2012-13
  - 1.8 Million Calls to 511
  - 726,649 Visitors to FL511.com
  - 631,821 visits to 511 mobile apps
  - 9,308 Twitter Accounts
- Tracking 511 phone calls is no longer the sole indicator of system usage





## Road Ranger Stops

 Help Reduce Overall Travel Delay by Providing Quick Response to Motorists

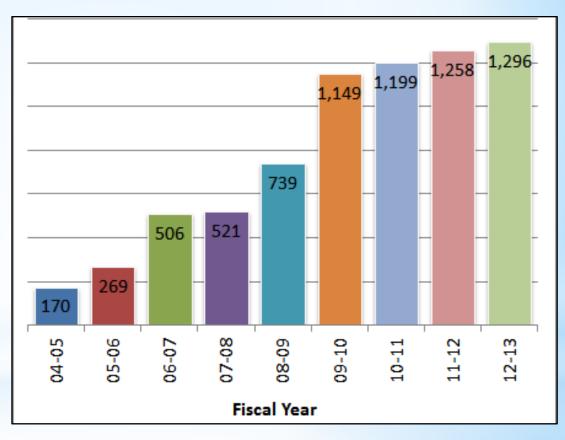






## ITS Miles Managed

- Progress in Completing Deployment of the Ten-Year ITS Cost
   Feasible Plan
  - 61.5% coverage of the limitedaccess Florida Intrastate Highway System in FY 2011-12









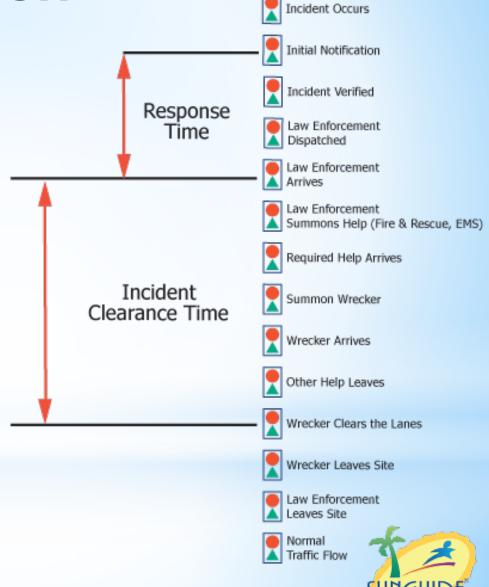
### Outcome Measures





#### **Incident Duration**

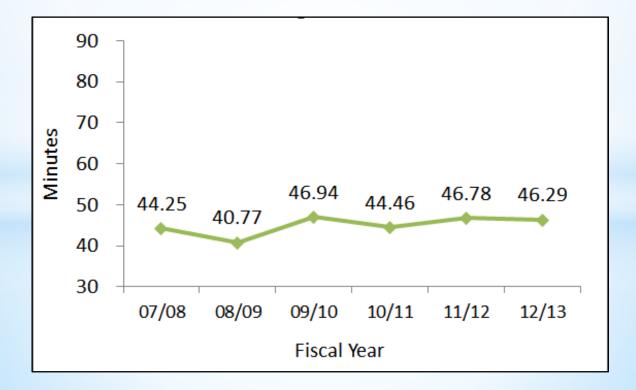
- Time Between Incident Occurrence/Clearing and Traffic Returning to Normal
  - Notification
  - Verification
  - Response
  - Open Road
  - Clearance Duration



Incident Timeline

#### **Incident Duration Results**

- Annual Average Time From All Reporting Districts - 46.29 Minutes
  - Ranging from 29 to 64 minutes







## **Travel Time Reliability**

- Variation in Travel TimesOver a History
  - Indicates effectiveness of system operations
- Reported Using Statewide
   Transportation Engineering
   Warehouse for Archived
   Regional Data







## **Travel Time Reliability**





#### **Customer Satisfaction**

- Qualitative Measure of Public Satisfaction with Services Provided
- FDOT Collected Statistically Valid Sample
   Survey Data from ITS Users Statewide
  - Random sample of drivers in each FDOT District
  - Must drive at least three times per week on freeways or Florida's Turnpike





#### **Customer Satisfaction Results**

- FL511 Traveler Information System
  - Awareness increased by 15% from FY2010-11
  - •26% use FL511 once a week or more
  - •62% use call-In; 14% use mobile app
  - 67% use FL511 on their way to a destination or while stopped in traffic; 27% before they leave
  - 58% changed their route; 23% changed departure time





#### **Customer Satisfaction Results**

- Dynamic Message Signs
  - 89% read dynamic message signs at least once a week
  - •95% feel the signs are mostly accurate
  - •91% feel the signs are easy to read
  - •91% find travel time information useful
  - 79% would likely change their route based on information on the signs





#### **Customer Satisfaction Results**

- Road Rangers
  - •69% are aware of service
  - •82% feel service is very useful
  - 74% felt driver was very helpful





## Questions?

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