

Producing The Numbers That Drive Transportation

Presented by: Y



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Welcome to Florida!

- **Florida is now the third-most populous state in the United States**
 - *18.8 million residents*
- **Over 100 million tourists a year visit the Sunshine State**
- **In 2016 there were over 20 million registered vehicles in the state**
- **As of 2014 their were 43,593 state highway lane miles was 43**

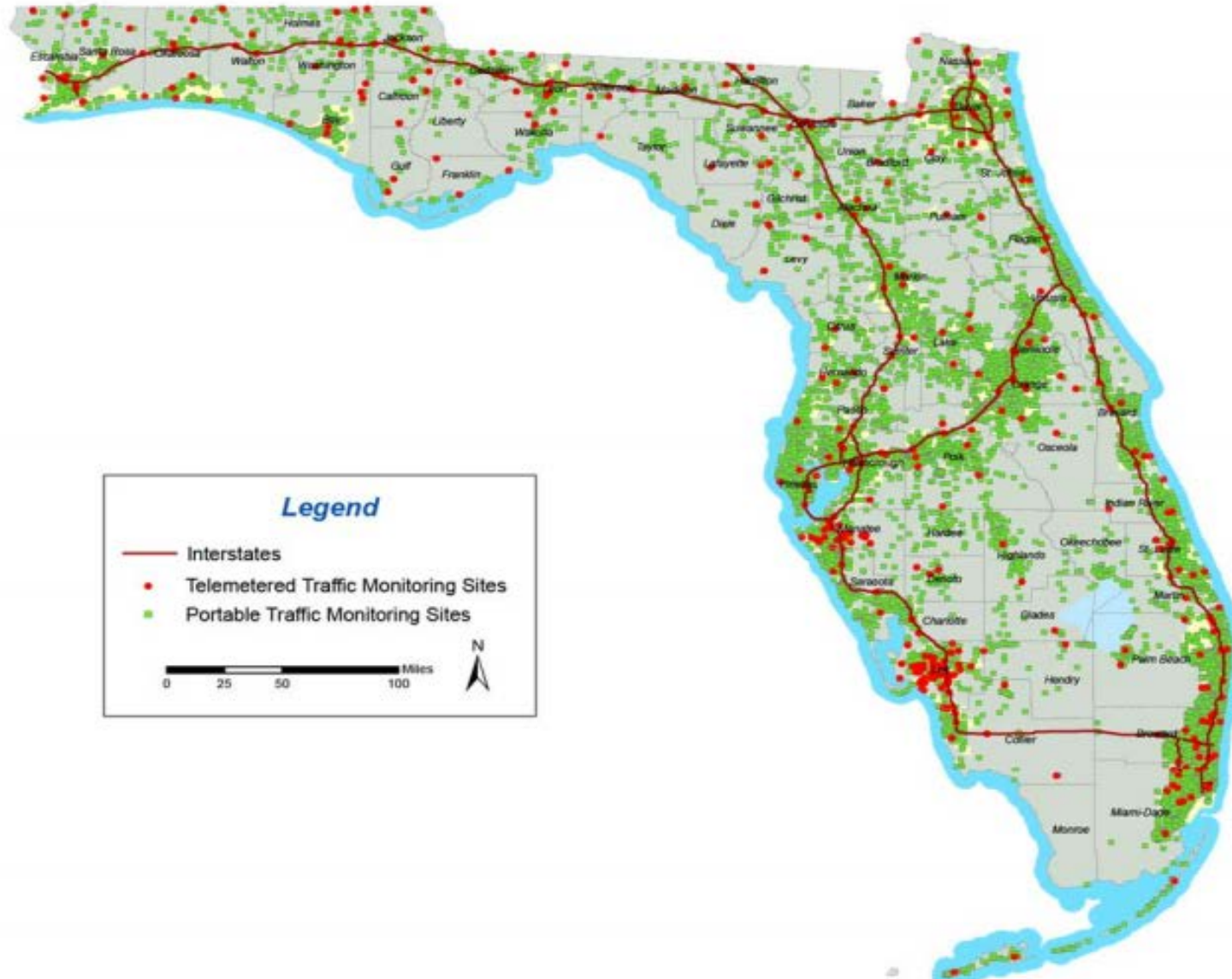


FDOT Traffic Count Program

- **There are over 15,000 Portable Traffic Monitoring Sites**
- **Vehicle classification data is collected at about 25% of these sites**
- **Data is collected continuously at over 300 solar-powered Telemetered Traffic Monitoring Sites (TTMS)**
- **About 33 active TTMS can also measure vehicle weights in motion (WIM)**



FDOT Traffic Monitoring Sites





Florida Transportation Information DVD

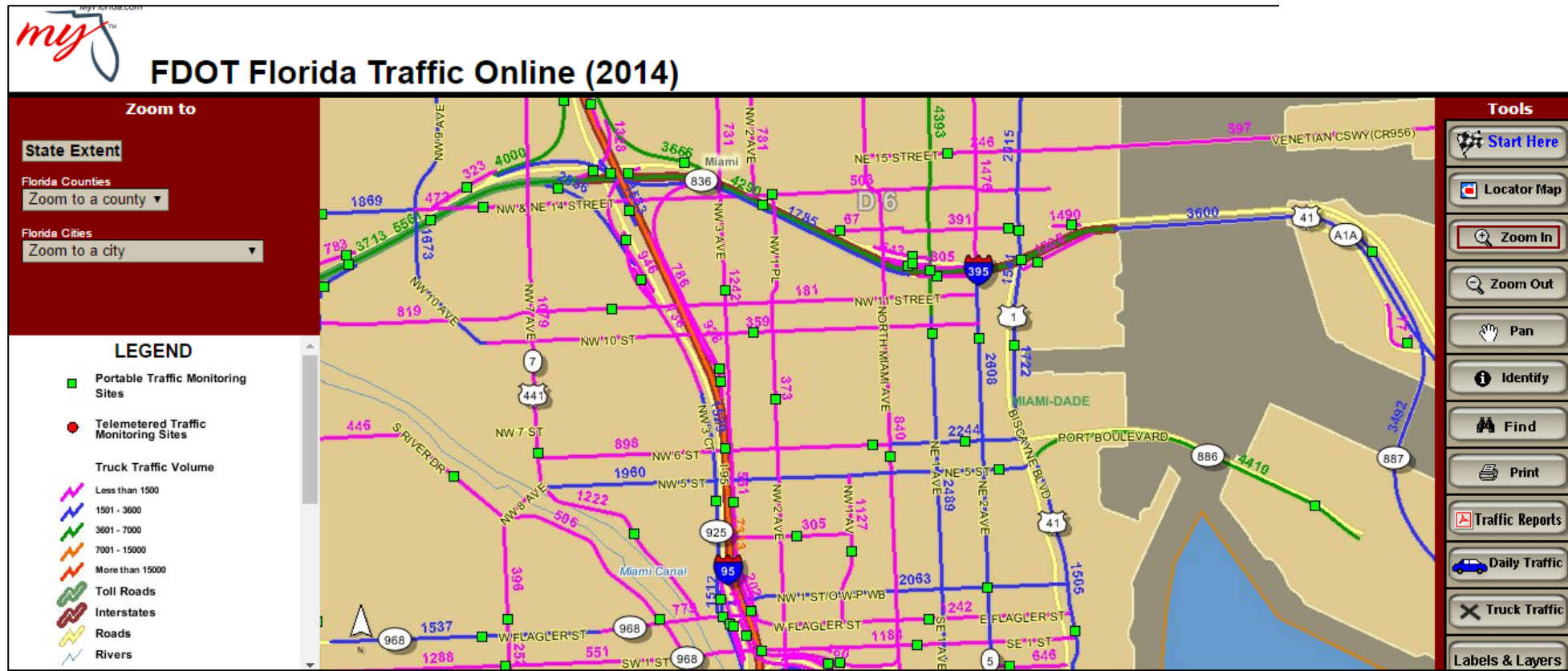
- Traffic data is collected from January through December of each year
- Once Collected data is converted into annual statistics during the 1st quarter of the next year.
- The annual traffic statistics are posted to the website by April of each year.





FDOT Florida Traffic Online

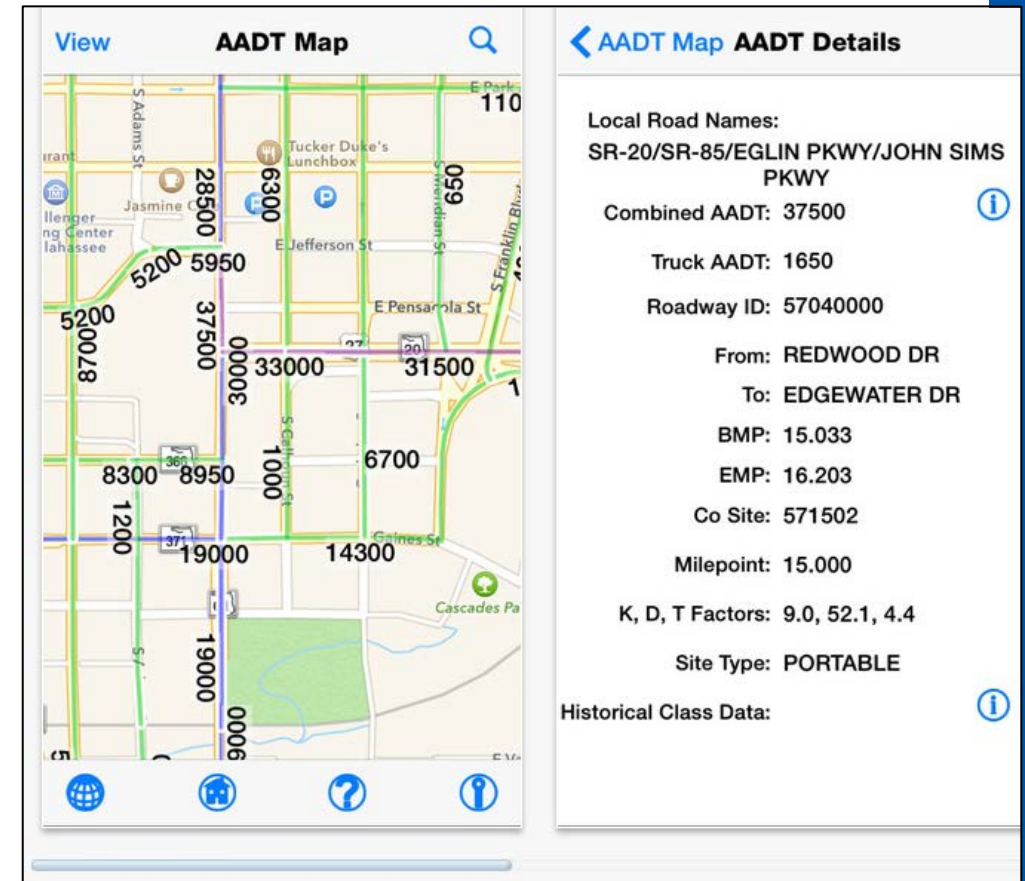
- Web-based mapping application -- Provides traffic count site locations & historical traffic count data.





Florida DOT Florida Traffic Information Mobile Application

- App features Traffic Station & Annual Average Daily Traffic (AADT) maps
- Data includes:
 - County, Location Description Combined AADT volume
 - Historical AADT Report Historical Classification Report Roadway ID
 - Station milepoint
 - Traffic volume factors
 - Station site type





New Approaches to Collect Data

- **Managed Lanes Gantries**
- **Using cameras for volume and classification counts**
- **Bicycle and Pedestrian Counting**
- **Infrared**
- **Connected Vehicles**





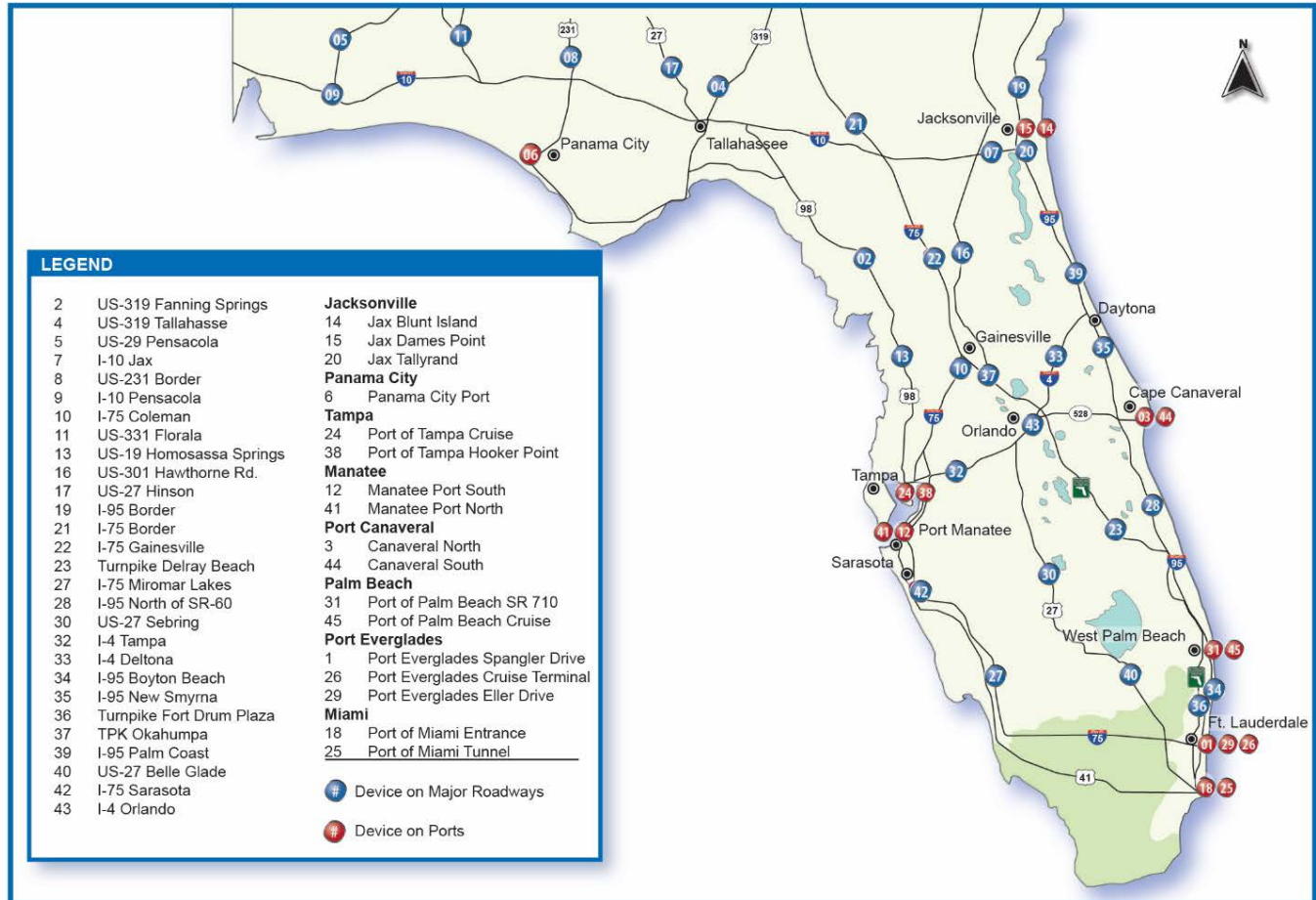
Statewide Vehicle Bluetooth Data Collection Study

- **Measure the impacts of past investments and enhance strategic planning and future investment**
- **Pilot project deployed a system of Bluetooth devices across the State**
- **Goal was to detect vehicles as they crossed the border, traversed the State and interacted with Florida's major seaports.**



Statewide Vehicle Bluetooth Data Collection Study

Monitored Inter-Regional & Inter-State Truck Traffic Associated with Florida Seaports.





Current Freight & Modal Data Resources

- **Responsible for acquiring, analyzing, reporting & disseminating Freight Data**
- **Define datasets, how to use, differences**
 - *i.e., FAF vs. Transearch*
- **Turn big data into manageable data**
 - *FAF, HERE and NPMRDS*
 - *Transearch*
 - *ATRI*
 - *Warehouse and Distribution Centers Database*
 - *County Freight Profiles (County, District, State)*
 - *Bluetooth Data*



Connected Vehicles Data Collection Potential

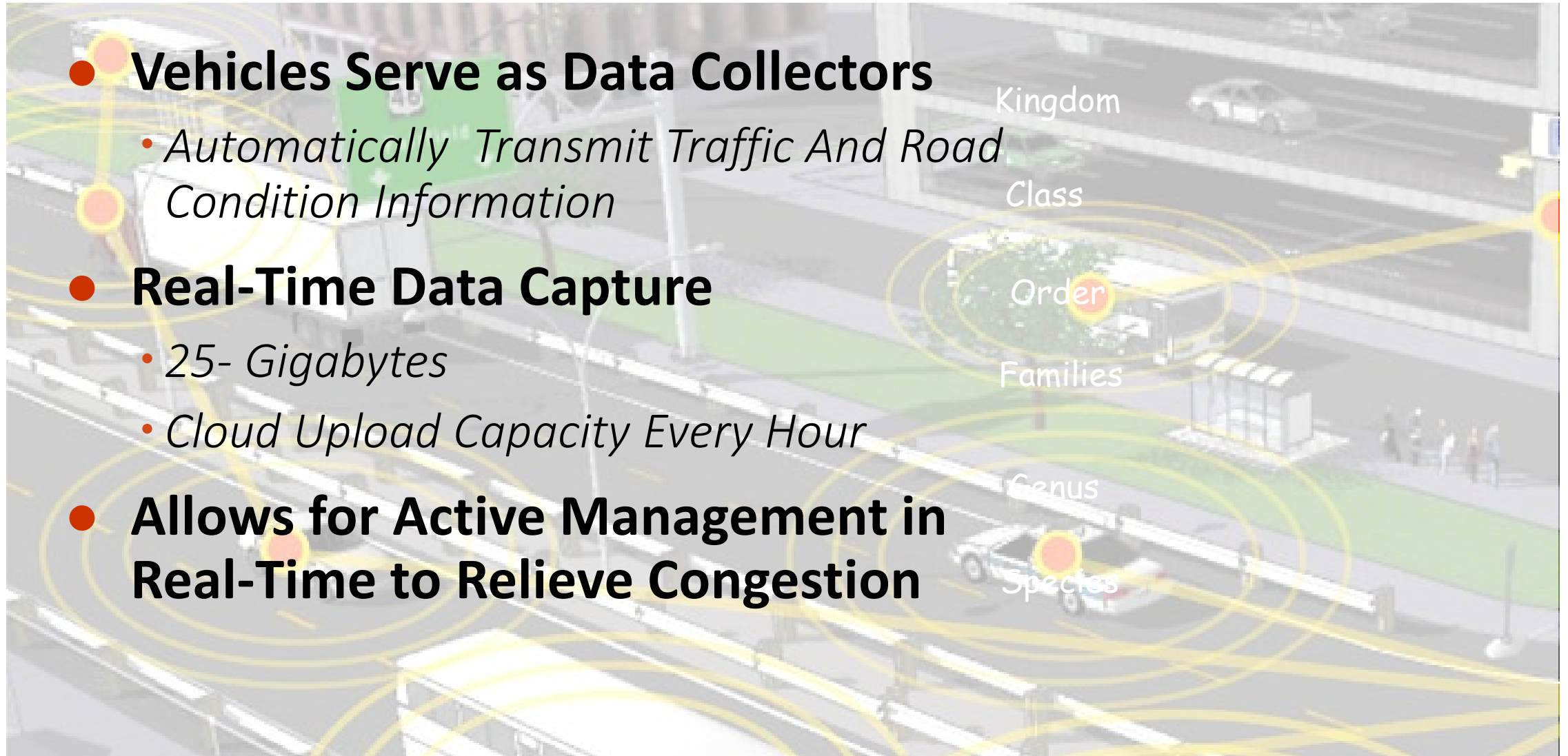
- **Vehicles Serve as Data Collectors**

- *Automatically Transmit Traffic And Road Condition Information*

- **Real-Time Data Capture**

- *25- Gigabytes*
- *Cloud Upload Capacity Every Hour*

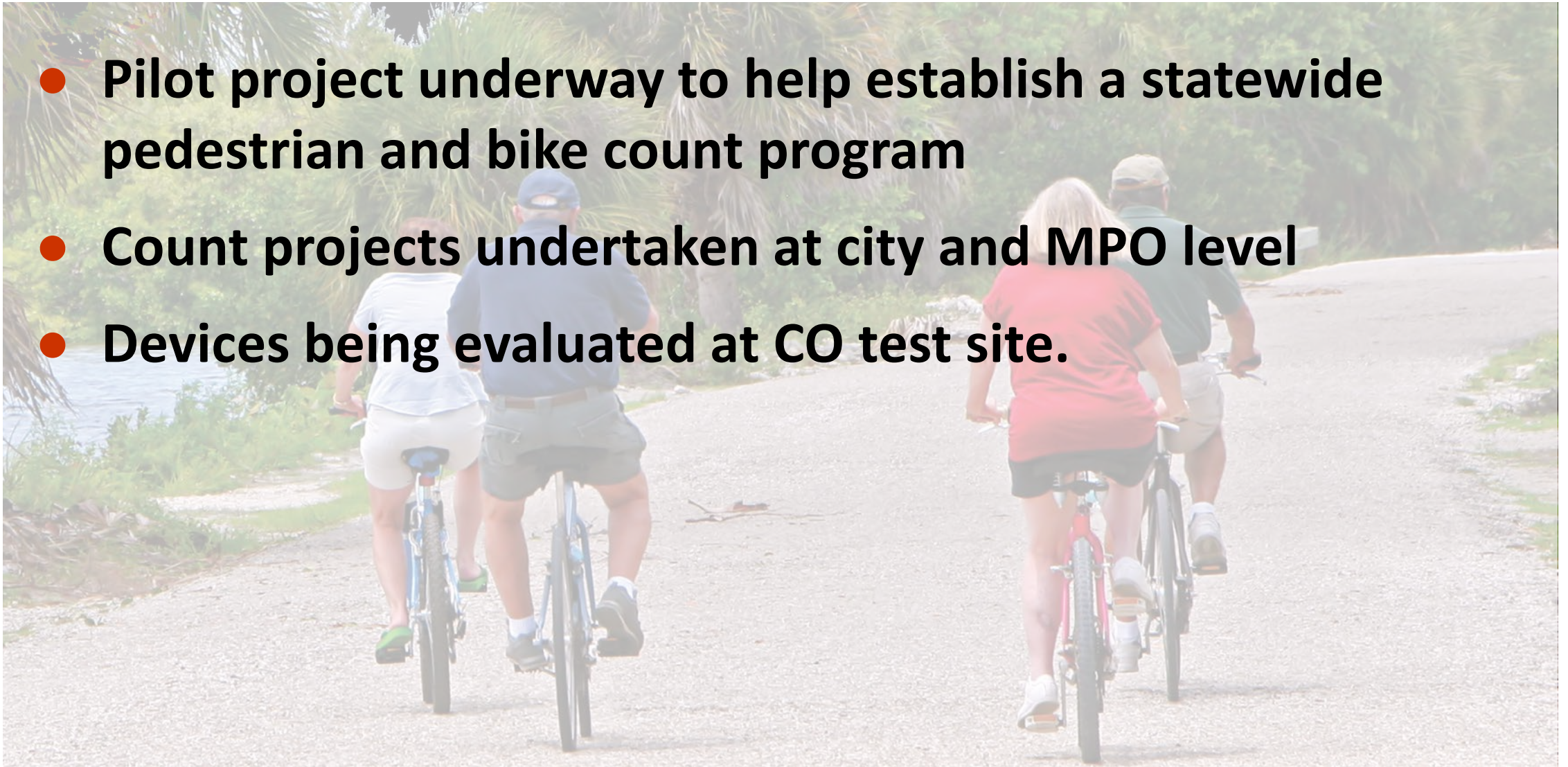
- **Allows for Active Management in Real-Time to Relieve Congestion**





Bike & Ped Data Collection

- **Pilot project underway to help establish a statewide pedestrian and bike count program**
- **Count projects undertaken at city and MPO level**
- **Devices being evaluated at CO test site.**





2014 Data Symposium Attendance

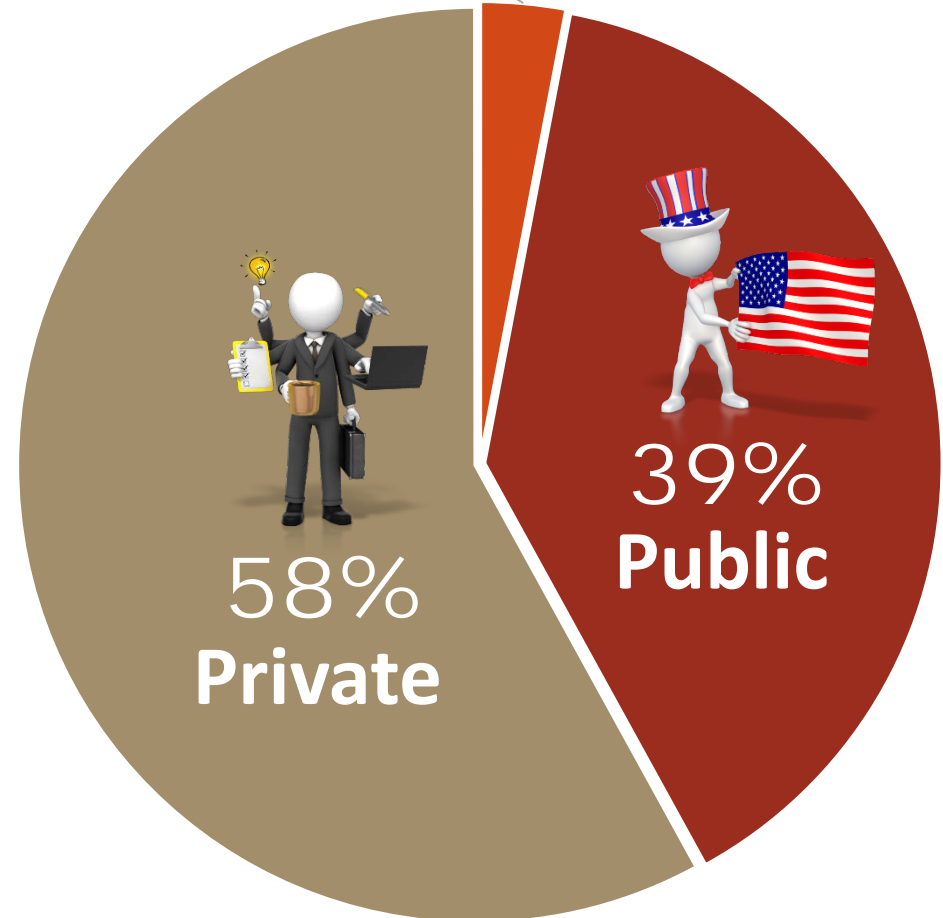


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DATA SYMPOSIUM

BIG DATA FOR BETTER BUSINESS DECISIONS





Questions?