No Boundaries

December 10, 2015

Kristin McCrary

Florida Department of Transportation

Office of Maintenance

STATE OF FLORIDA

- Population: almost 20 million
  - 3rd most populous state in the US
  - Behind CA & TX
- One new person every 5 minutes
- 90% commute to work by car
  - National average 87%
- 94 million annual visitors
  - Spending $76 billion
- 19% of population is over 65 years old
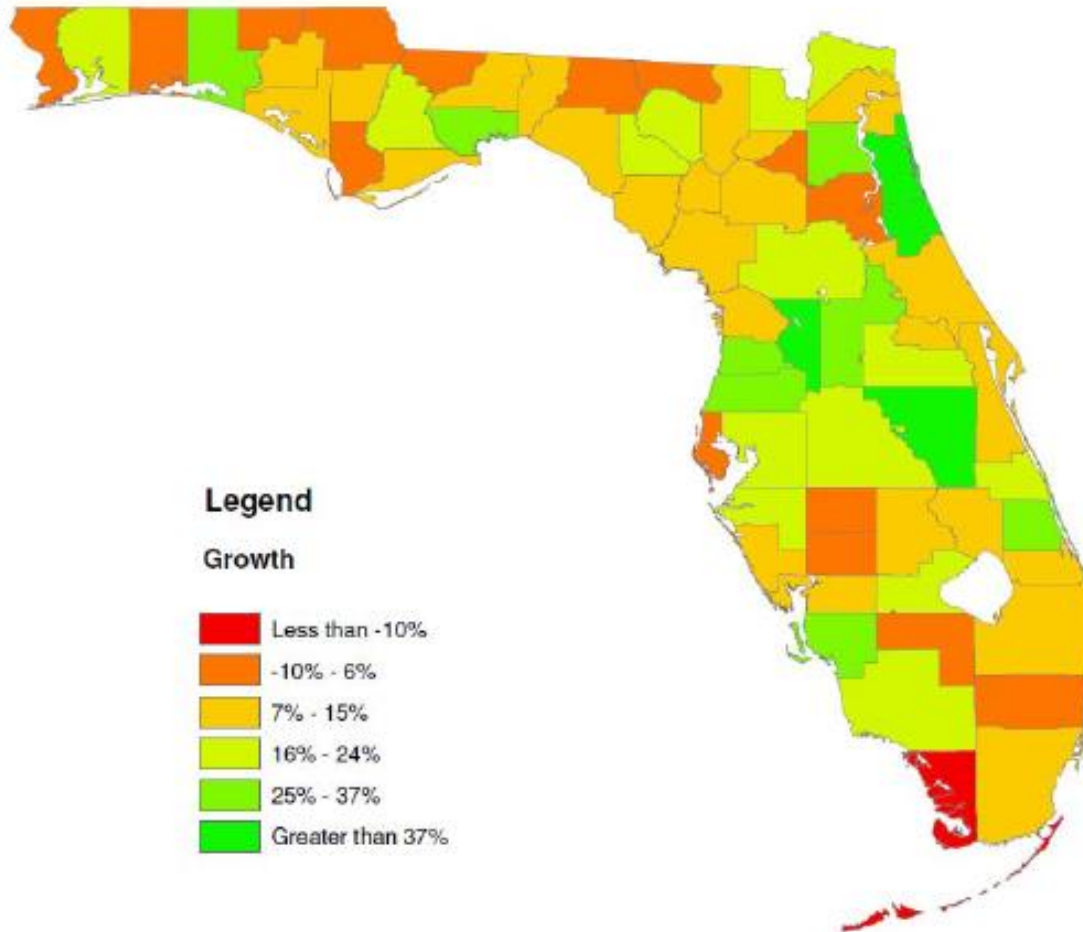
STATE OF FLORIDA

- 67 Counties
- 410 Incorporated Municipalities
  - Largest: Jacksonville
  - Smallest: Lake Buena Vista
- 12 Public Universities
- 29 Private Colleges & Universities
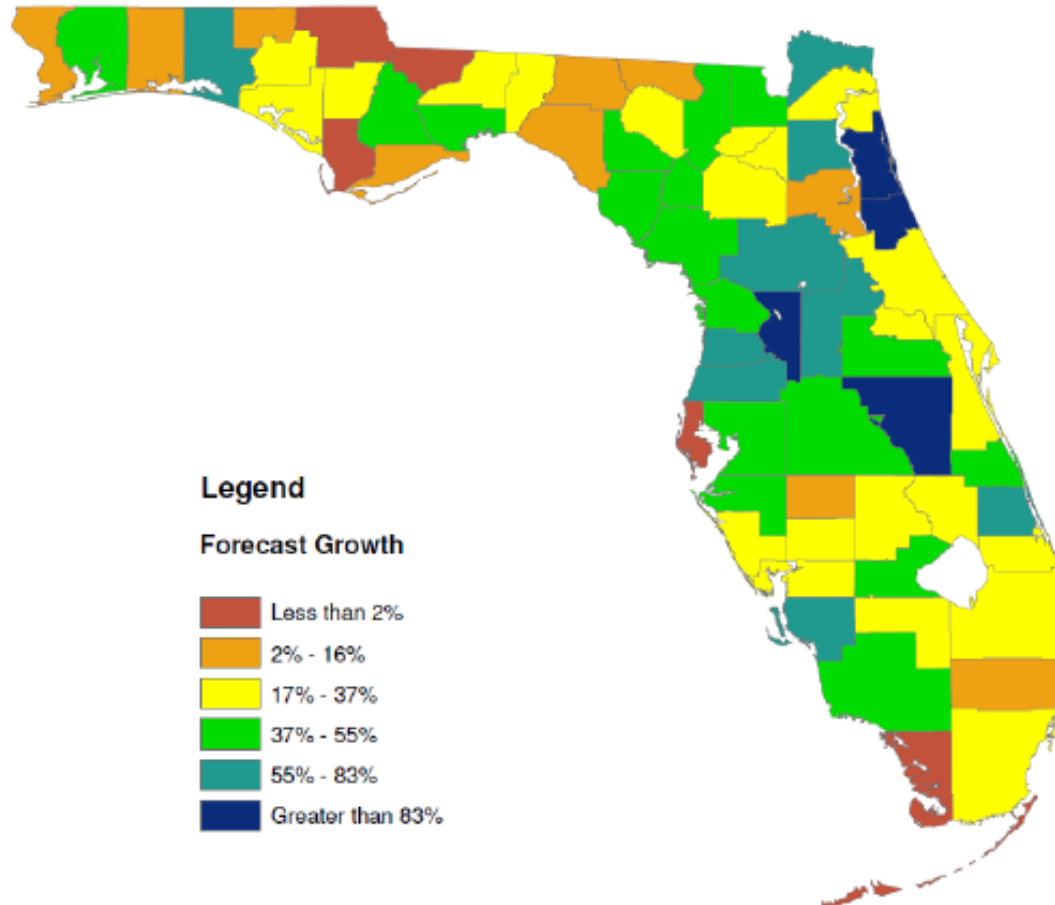- 10 Professional Sports Teams
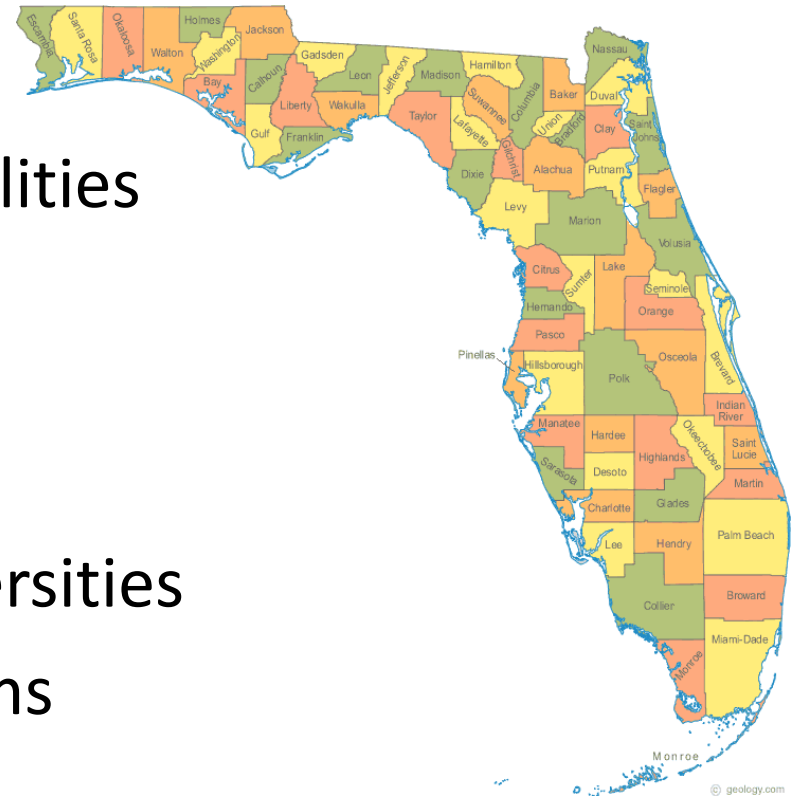
FASTEST GROWING COUNTIES

Figure 10 – Percentage Growth by County, 2002-2012

Legend

Growth

- Less than -10%
- -10% - 6%
- 7% - 15%
- 16% - 24%
- 25% - 37%
- Greater than 37%

Source: University of Florida – Bureau of Economic and Business Research, *Estimates of Population by County, 2002 - 2012*

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FASTEST GROWING COUNTIES

Figure 12 – Forecast Growth by County, 2012 – 2040

Legend

Forecast Growth

- Less than 2%
- 2% - 16%
- 17% - 37%
- 37% - 55%
- 55% - 83%
- Greater than 83%

Source: U.S. Census Bureau, *U.S Census*, 2010; University of Florida – Bureau of Economic and Business Research, *Projections of Florida Population by County*, 2012-2040.

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FLORIDA'S TRANSPORTATION SYSTEM

- 780 Airports
  - 129 Public
  - 651 Private
- 2,753 Railway miles
- 15 Seaports
- 30 Urban Transit Systems
- 2 Commuter Rail Systems
- 2 Spaceports
  - 10 Launch Facilities
- 14 million registered vehicles

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FLORIDA'S HIGHWAYS

- State Highway System (FDOT Maintained)
  - 12,099 centerline miles
  - 43,402 lane miles of roadway
  - 10% of the state roadway network
  - Carries more than 54% of all traffic in state
  - 6,783 bridges
- Local Governments:
  - 109,730 centerline miles
  - 5,091 bridges
- Federal Government:
  - 2,315 centerline miles
  - 290 bridges

DEPARTMENT OF TRANSPORTATION

- 1915 State Road Department
- 1969 Department of Transportation

- The Department is a Decentralized Agency with Seven Districts, Two Enterprises (Turnpike and Rail), and a Central Office

- 6,504 Employees
- 1,946 Maintenance Employees

District Offices

District 1 - Bartow
District 2 - Lake City
District 3 - Chipley
District 4 - Fort Lauderdale
District 5 - DeLand
District 6 - Miami
District 7 - Tampa

Turnpike Enterprise - Orange County

Western Beltway
Bee Line Expressway
Seminole Expressway (Project 1 & 2)
Southern Connector Extension
Florida's Turnpike
Suncoast Parkway
Veterans Expressway
Polk Parkway
Sawgrass Expressway
Homestead Extension Florida's Turnpike

- **CONTRACT MANAGEMENT**
- **MOTOR CARRIER SIZE AND WEIGHT**
- **NPDES STORMWATER**
- **PERFORMANCE MANAGEMENT**
- **PROGRAM RESOURCES**
- **ROADWAY MAINTENANCE**
- **STRUCTURES MAINTENANCE**

- **ONE STOP PERMITTING SYSTEM**

- **CUSTOMER COMMENT SYSTEM**

- **SELF SERVICE MOTOR POOL**

- **FUTURE PROJECTS**

ONE STOP PERMITTING SYSTEM

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ONE STOP PERMITTING SYSTEM

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CUSTOMER COMMENT SYSTEM

- 7 Questions

- Rating of 1 to 5

- System generated e-mail sent for any rating less than 3

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SELF SERVICE MOTOR POOL SYSTEM

- On-line vehicle requests
- Self-service key pickup and return
- Reporting capabilities
- 19% increase in utilization measure from April 2014 to April 2015
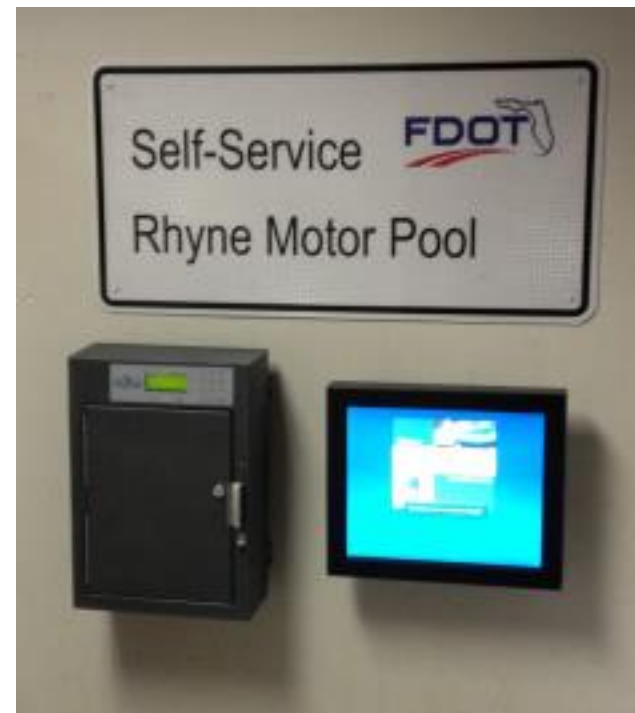
Future Projects

- Electronic forms to record and upload inspection information

- Data Warehouse

- Roadway Characteristics Inventory Update

Roadway Characteristics Inventory

- RCI is a depository of the Departments roadway assets

- This includes the amount of lane miles, guardrail, mowing, sidewalk and other items that are part of the State Highway System.

Roadway Characteristics Inventory

- There are three major offices that maintain the data in the RCI system.

- Planning (Owners of the system)

- Maintenance

- Traffic Operations

Roadway Characteristics Inventory

- The Office of Maintenance's budget program depends on the accuracy of the RCI data.

- Maintenance is responsible for inputting data into RCI.

- The district area maintenance offices input features and characteristics.

- 29 Features (description of the characteristic group)

- 118 Characteristics

Roadway Characteristics Inventory

ROADWAY CHARACTERISTICS INVENTORY

- An example of a feature: 480 Highway Signs

- 6 Characteristics

- The type of sign or message is not included in RCI.

Feature 480 - Highway Signs

This feature describes the type of sign including the structures, supports, and number of panels.

- **CANTSTR** — **Number of Cantilever Structures**
  unit=EA, value=4, decimal=0, offset=none, roadside=R/L
  Code the total number of cantilever structures.

- **CNPANG30** — **Number of Panels To Construct All Overhead Signs and Ground Signs Greater Than 30 Square Feet**
  unit=EA, value=3, decimal=0, offset=none, roadside=R/L
  Code the total number of construction panels that make up all overhead signs and ground signs greater than 30 square feet. Also record the overlay panels, logo panels, and overhead cable mounted signs.

- **GRPSTG30** — **Number of Ground Sign Posts That Support Signs Greater Than 30 Square Feet**
  unit=EA, value=3, decimal=0, offset=none, roadside=R/L
  Code the total number of posts supporting ground signs greater than 30 square feet. Do not include full overlane or cantilever sign supports.

- **GRPSTL30** — **Number of Ground Sign Posts That Support Signs Less Than Or Equal To 30 Square Feet**
  unit=EA, value=3, decimal=0, offset=none, roadside=R/L
  Code the total number of posts supporting ground signs that are less than or equal to 30 square feet.

- **OVRLNSTR** — **Number of Full Overlane Structures**
  unit=EA, value=4, decimal=0, offset=none, roadside=R/L
  Code the total number of full overlane structures.

- **PANLLT30** — **Number of Panels To Construct A Ground Sign Less Than Or Equal To 30 Square Feet**
  unit=EA, value=4, decimal=0, offset=none, roadside=R/L
  Code the total number of ground construction panels that make up a sign less than or equal to 30 square feet. This would not include logo panels inventoried under larger signs.

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Roadway Characteristics Inventory Update

- RCI system is currently being reviewed

- Joint application requirement meetings are being held with stakeholders.

- One goal is to have a central repository of information related to maintenance features that can be accessed from anywhere in the state.

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Thank You

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