

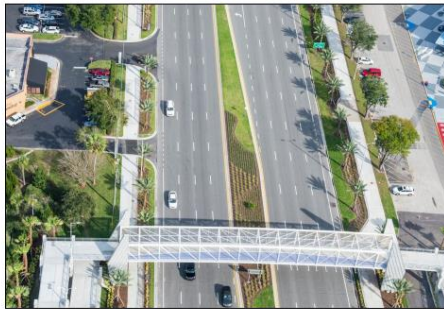
# Performance and Production Review of the Florida Department of Transportation FY 2016/17

## Performance and Production Review of the Florida Department of Transportation FY 2016/2017

A REPORT BY THE  
FLORIDA  
TRANSPORTATION  
COMMISSION

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December 7, 2017

# ***FLORIDA TRANSPORTATION COMMISSION***

## **DECEMBER 7, 2017**



# Introduction

- **How we got here**
  - History behind the measures
- **Conclusion**
- **Summary of Production and Performance**
- **The BIG Picture!**
  - Positive Outcomes
  - Cautionary Trends
- **Department and District Presentations**



# How we got here

- **Brief History of the Measures**
  - **1990 Legislation**
  - **Process Development**



# FTC Findings

**FDOT Met 15 of 17  
Primary Measures**

**88.2%**

**Solid**

**Grade-B**











# **Summary:**

## **Department's Production**

- **443 Construction contracts at \$3.8 B**
  - **242 lane miles of capacity on SHS**
  - **1,947 lane miles of resurfacing on SHS**
  - **54 bridge repair contracts**
  - **23 bridge replacement contracts**
- **1,197 Consultant contracts at \$956.6 M**
- **Closed out 327 contracts at \$2.245 B**









# Primary Measure Results






Measure	Objective	FY 16/17 Results	Meets Objective
The consultant contract dollars executed as a percentage of the original estimated amount. (See page 26)	100% + or - 5%	102.5%	
The number of ROW projects certified compared to the number scheduled for certification. (See page 30)	≥ 90%	100.0%	
The construction contract dollars executed as a percentage of the original estimated amount. (See page 36)	100% + or - 5%	98.7%	
The number of construction contracts actually executed compared against the number planned. (See page 38)	≥ 95%	97.8%	
For all construction contracts completed during the year, the percentage of those contracts that were completed within 20% above the original contract time. (See page 40)	≥ 80%	87.8%	
For all construction contracts completed during the year, the percentage of those contracts that were completed at a cost within 10% above the original contract amount. (See page 44)	≥ 90%	91.7%	



# Primary Measure Results

Measure	Objective	FY 16/17 Results	Meets Objective
The percentage of bridge structures on the State Highway System having a condition rating of either excellent or good. (See page 60)	≥ 90%	95.5%	
The percentage of bridge structures on the State Highway System with posted weight restrictions. (See page 61)	≤ 1%	0.03%	
The percentage of lane miles on the State Highway System having a Pavement Condition Rating of either excellent or good. (See page 64)	≥ 80%	91.8%	
Achieve a Maintenance Rating of at least 80 on the State Highway System. (See page 67)	≥ 80	86	
The number of lane miles of capacity improvement projects on the State Highway System let compared against the number planned. (See page 70)	≥ 90%	72.7%	
The public transit ridership growth rate compared to the population growth rate. (See page 72)	≥ 3.16%	- 7.45%	

# Primary Measure Results

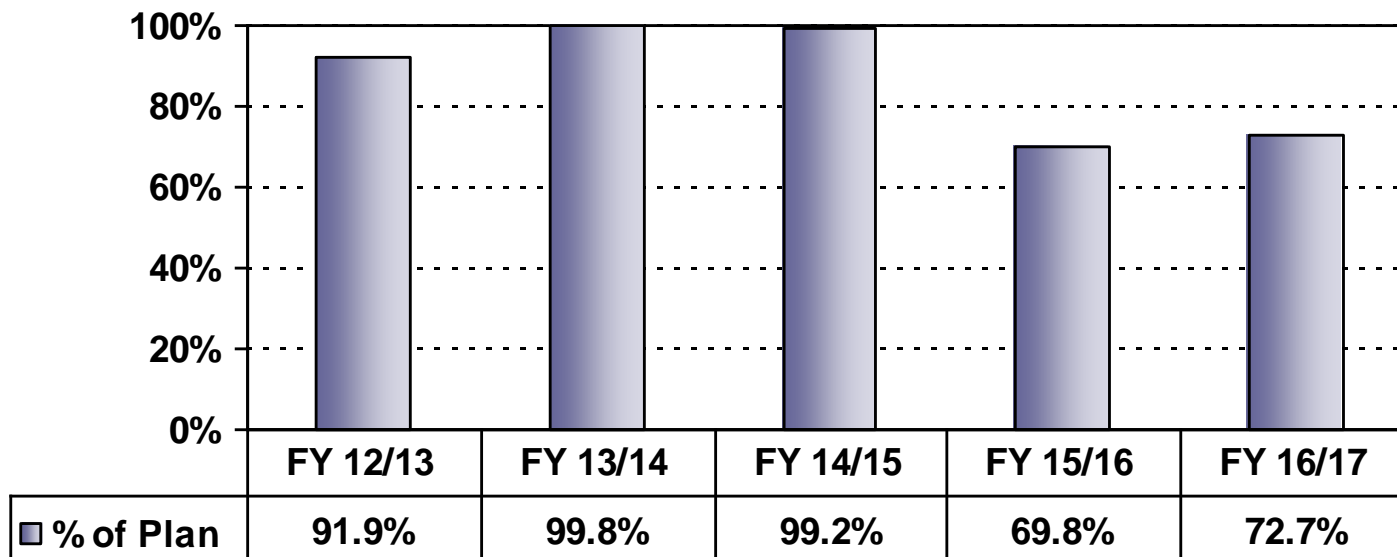
Measure	Objective	FY 16/17 Results	Meets Objective
Of the federal funds subject to forfeiture at the end of the federal fiscal year, the percent that was committed by the Department. (See page 80)	100%	100%	
The Department's dollar amount of administrative costs as a percent of the total program. (See page 84)	<2%	0.85%	
Adopt a balanced work program and manage cash within the statutory requirements. (See page 86)	Yes	Yes	
The annual dollar amount of MBE utilization. (See page 90)	Annual Increase	25.5% Increase	
The dollar volume of Disadvantaged Business Enterprise participation as a percentage of all executed Federal/State construction and consultant contracts. (See page 91)	9.91%	12.7%	



# Capacity Improvements: Highways

## Percentage of Lane Miles Added to the State Highway System Compared to the Number Planned: by Fiscal Year

(Objective is at least 90%)

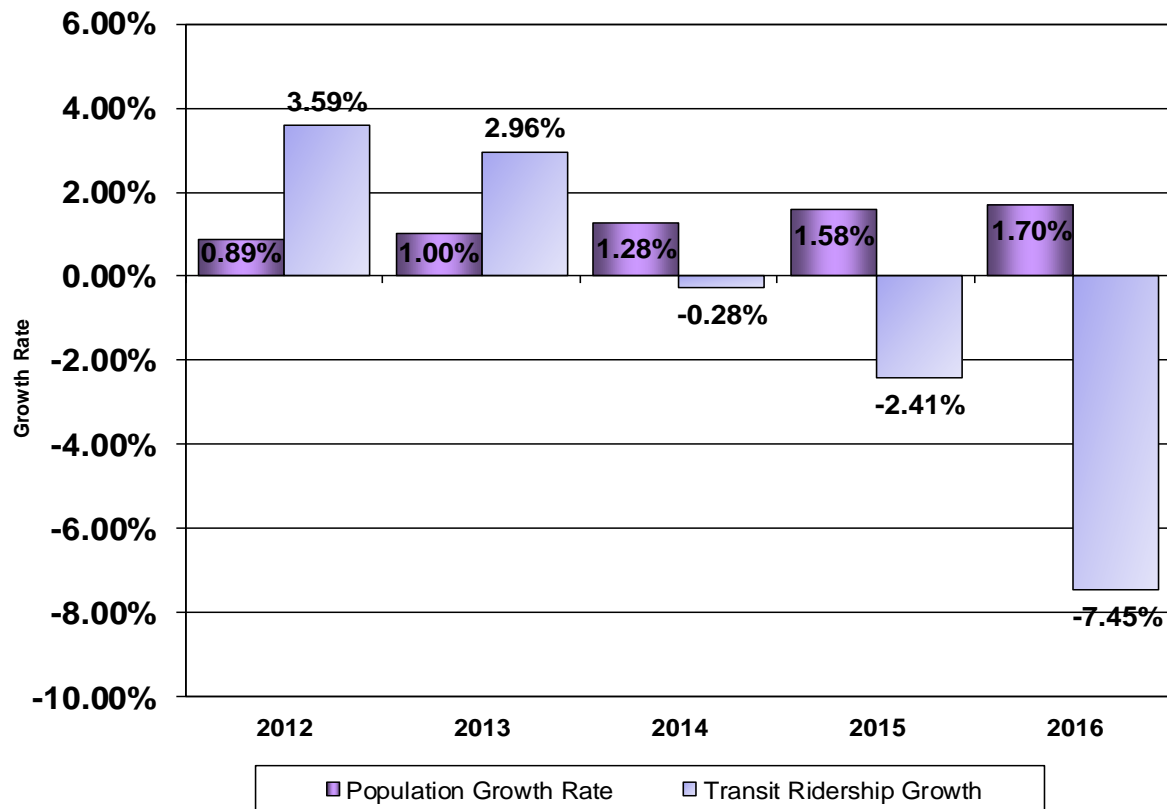


Fiscal Year

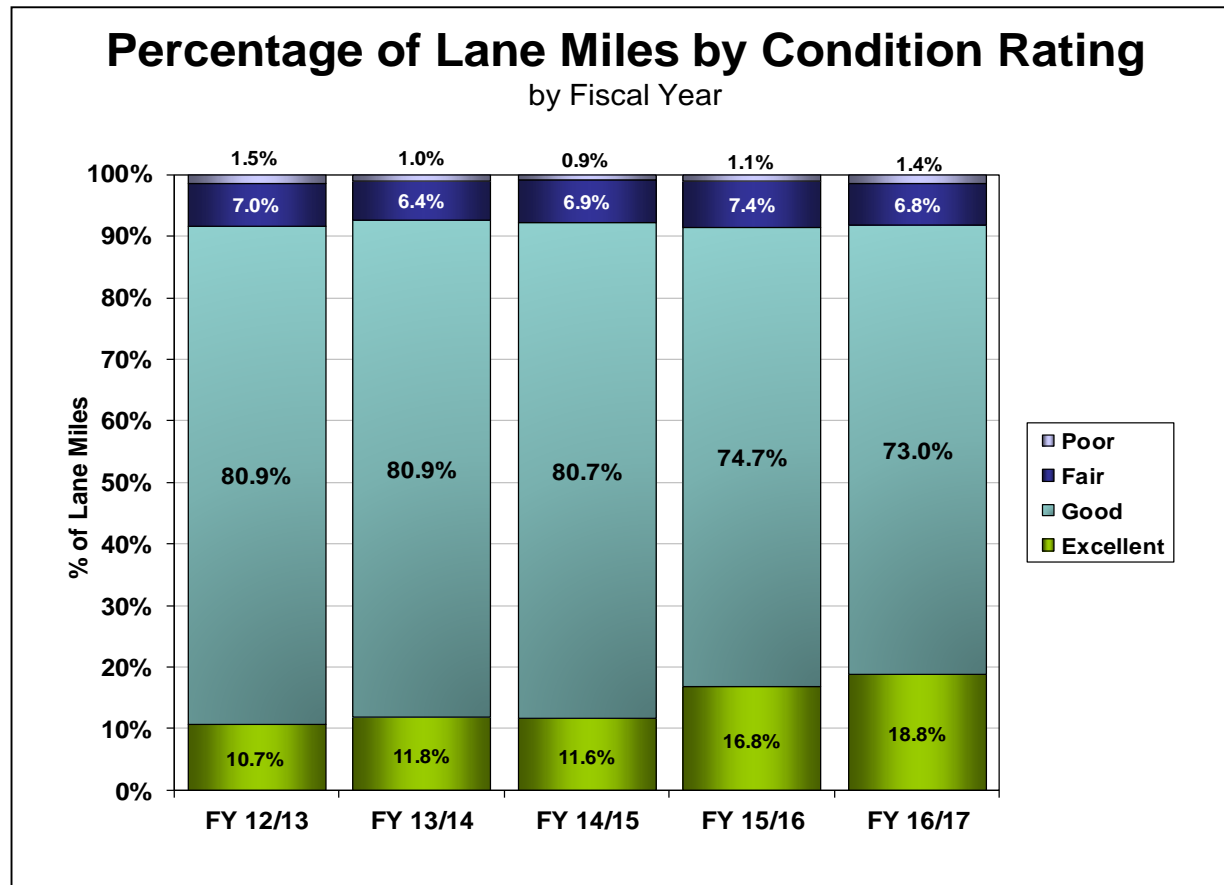


# Capacity Improvements: Public Transportation

Florida Population vs. Transit Ridership Growth Rates

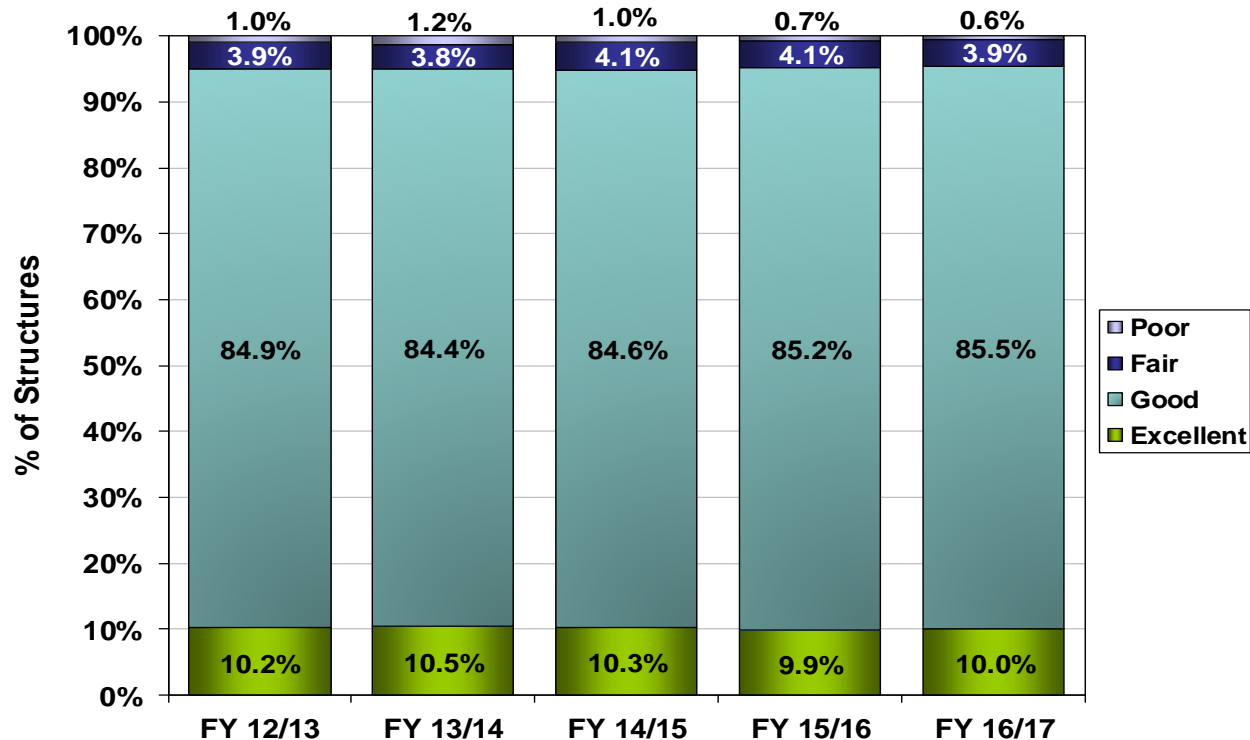


# Preservation of State Highway System: Pavement



# Preservation of State Highway System: Bridges

Percentage of Structures by Condition Rating



95.5%





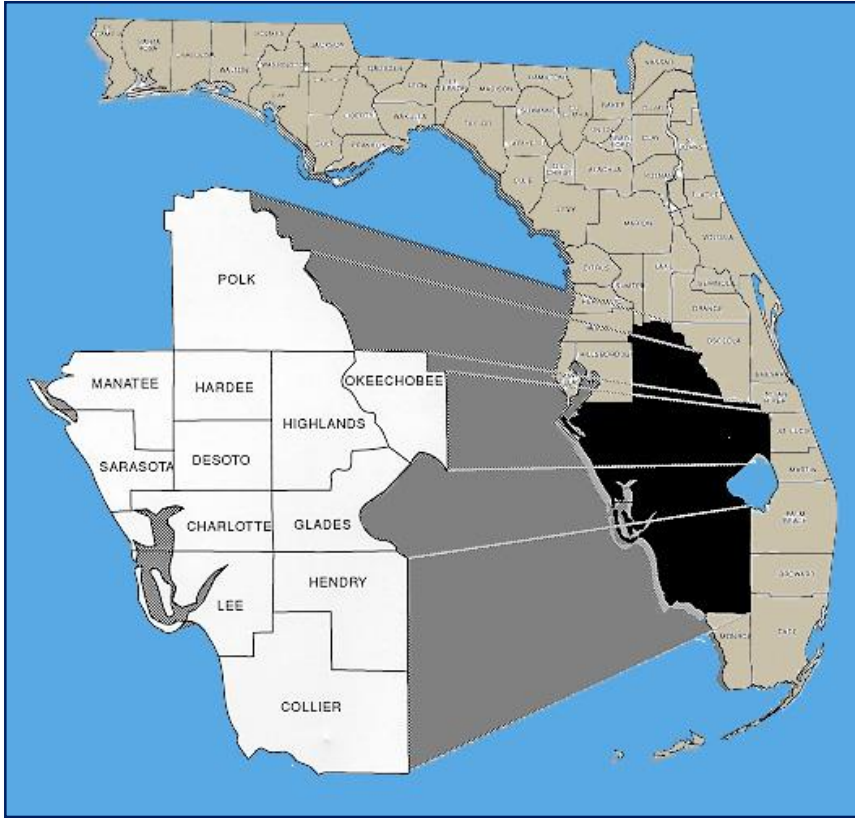
# Questions?



# Remarks from Assistant Secretary **Brian Blanchard**



# District 1



**L.K. Nandam**  
District Secretary



## Challenges and Opportunities in FY 2016/17

### Opportunities:

- >Construction is underway for the first Continuous Flow Intersection in Florida located at SR 82 and Daniels Parkway/Gunnery Road.
- >SR 37 in Polk County full depth reclamation project.
- >Will begin new Interstate Master Plans for I-4 and I-75 in FY19.

### Challenges:

- >Reducing the number of fatalities and serious injuries for Lane Departure, Intersection crashes, and Bike/Ped crashes.
- >Attraction and retention of qualified, experienced workforce.



# **DISTRICT 1**

## **Successes in FY 2016/17**

- **I-75 at University Parkway DDI – Opened the diverging diamond interchange, as committed, prior to the World Rowing events that occurred in September 2017 (see photos).**





# DISTRICT 1





# DISTRICT 1



MetInc Engineering - I-75 Diverging Diamond Interchange  
Camera 1 - November 28, 2017 09:03:39



# **DISTRICT 1**

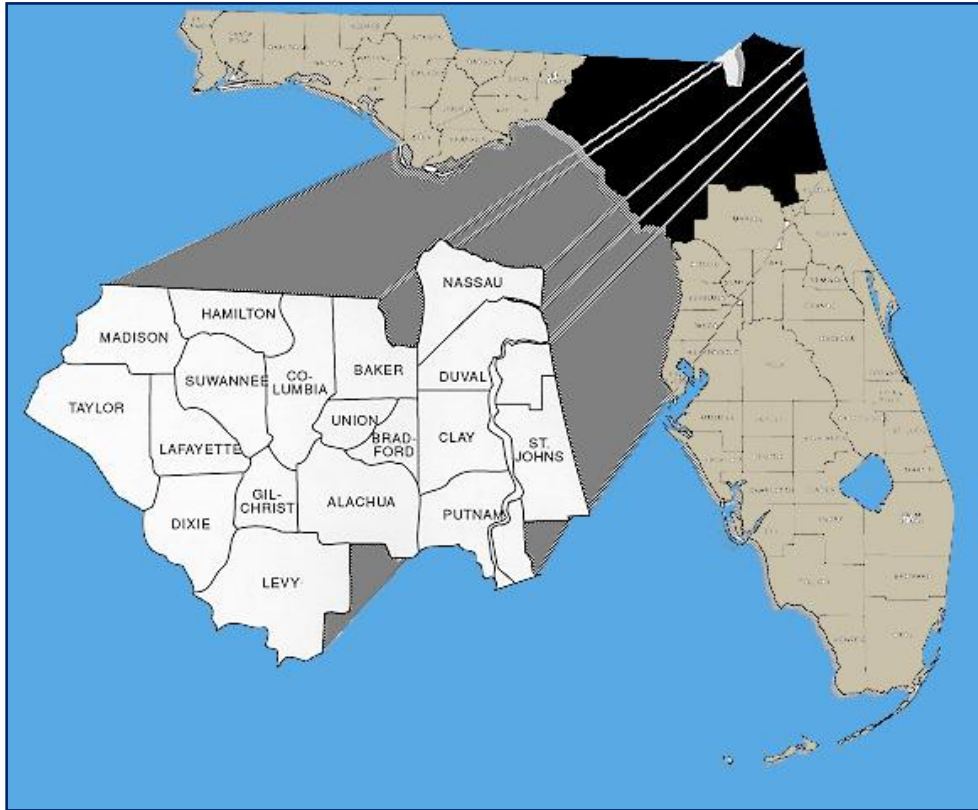
## **Successes in FY 2016/17 (Continued)**

- **I-75 from Jones Loop to US 17 – On schedule to complete the 6-laning of the last section of I-75 in District One by the end of 2018.**
- **US 17 in Hardee County – On schedule to complete the 4-laning of the last section of US 17 in District One this fiscal year.**





# District 2



**Greg Evans**

**District Secretary**



## Challenges and Opportunities in FY 2016/17

### Challenges:

- Right of Way and Legal support remain the critical path for production
- Funding for utility hardships
- Utility companies - continue to have difficulty funding additional work due to budgetary constraints and limited staff resources.
- Large Design Build projects – several at once and coordination issues

### Opportunities:

- Project scoping
  - Early community vetting
  - Consistency in project costing and assessment of potential delivery risks
  - Reduction in design supplements
- District Retention Task Team, “KEEP”=**K**ee**P** **E**xperienced **E**mployees in **P**lace
  - Supports retention of high impact employees
  - Includes “Lunch and Learn” knowledge sharing sessions
  - Introduction and highlighting of Department’s roles and responsibilities
  - Mentorship Program
- A lot of large projects being built



## Accomplishments:

- ✓ Many major projects have been advanced and will be let in the current five years
  - I-95 @ SR 202 (JTB) flyover - **now open to traffic**
  - I-295 from Buckman Bridge to I-95 - Managed Lanes - to complete this fiscal year
  - I-95 S Hampton & Hendricks Ave (Overland Bridge) – to complete this fiscal year
  - I-10 Interchange at SR10 (US 90) and SR 23 – to complete this fiscal year
  - SR 201 from S of Baldwin to N of Baldwin (Baldwin Bypass) – construction underway
  - SR 200(A1A) from I-95 to W. of Still Quarters Rd (with Diverging Diamond)– construction underway
- ✓ Heavy engagement of Public Information Office with ongoing construction projects

## Starting Soon:

- I-295 (SR 9A) Arterial Traffic Mgmt (Buckman Bridge SR 13 to US 17(SR 15), Speed Harmonization/Queue Warning/Vehicle Detection System - \$12.9M, (Duval County) - February 2018 – three unique safety features in a single traffic management system
- SR 15 (US17) From W. of Dunns Crk to Horse Landing Road, Add Lanes & Reconstruct, \$39.3M, (Putnam County) - October 2017 – Adds capacity on SIS system
- I-10 (SR 8) From E. of I-295 in Duval Co to US 90 in Leon County, Adv Traveler Information System, \$18.2 - October 2017 – will complete the statewide ITS interstate connection



# District 3



**Phillip Gainer**

**District Secretary**

## Challenges and Opportunities in FY 2016/17

### Opportunities:

- Continue efforts to look at ways to enhance the quality and delivery of our products
- More engagement with public through social media and other outlets
- Building momentum in major east/west corridors
- Emergency response and preparedness

### Challenges:

- Maintaining quality with high volume of production
- Demand on transportation industry in panhandle with limited work force
- Maintaining public support amidst unprecedented construction activity
- Demand on utility companies and project delays due to relocation activities
- Low temperatures during the winter and high traffic volumes during the summer months restricts some construction activities to summer night work only (night time paving conditions unsuitable between November and April)
- Meeting emergency response expectations with the current level of state employee responders (or current state work force levels)





# **DISTRICT 3**

## **SR 30 (US 98) Pedestrian Safety Improvements**

**Reduced pedestrian  
crossing fatalities**

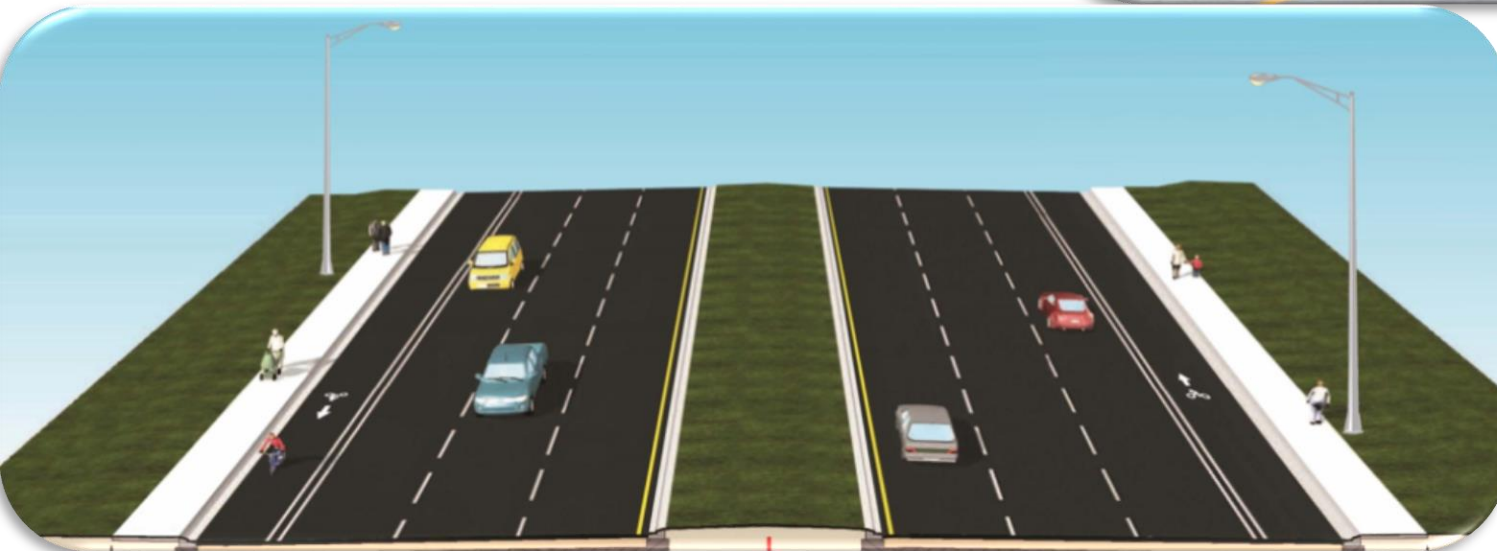


**Signalized  
crossings within  
confined right of  
way**

# **DISTRICT 3**

## **SR 390 Widening from CR 2312 (Baldwin Rd) to Jenks Ave**

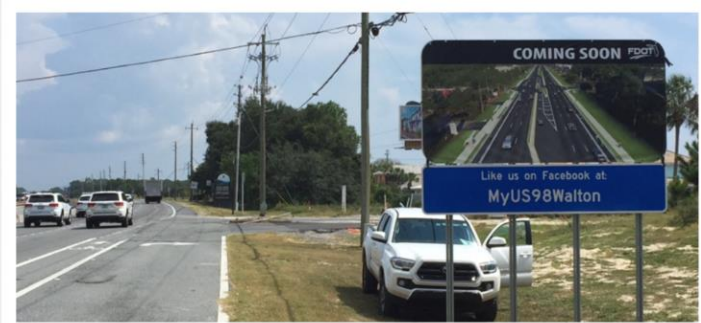
**Widening from 2 lanes  
to 6 lane urban facility**





# DISTRICT 3

## SR 30 (US 98) from Emerald Bay Dr to Tang-O-Mar Dr Widening from 4 lanes to 6 lanes





# **DISTRICT 3**

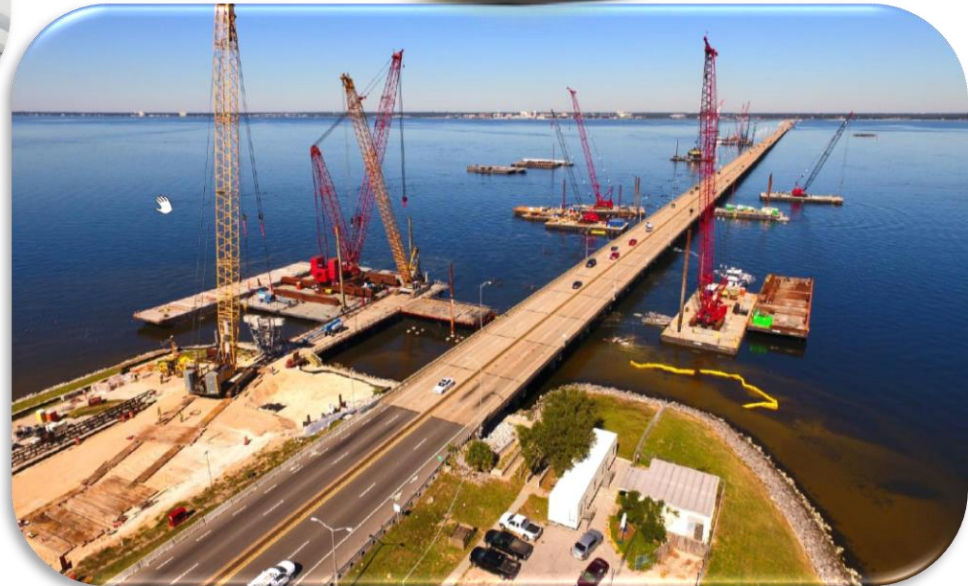
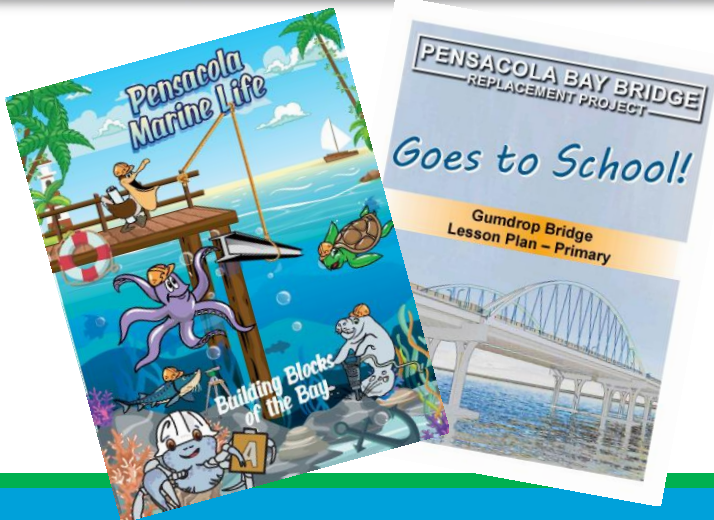
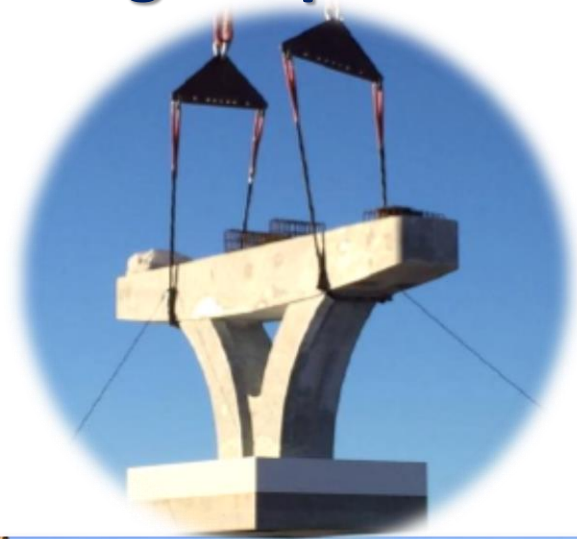
**SR 30 (US 98) from CR 30F (Airport Rd) to Walton Co.**

**Widening from 4 lanes to 6 lanes**



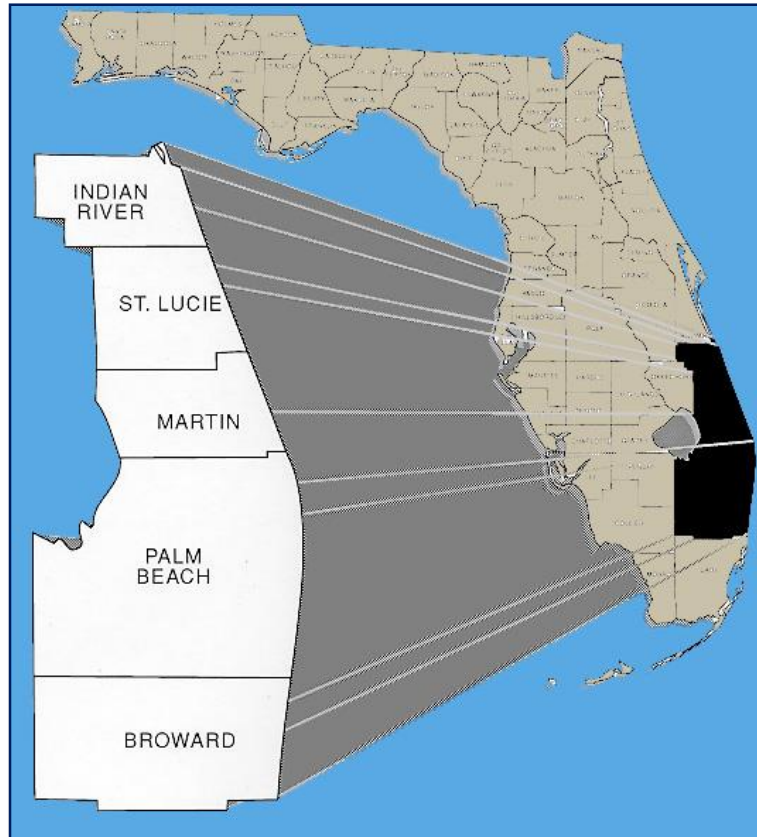
# DISTRICT 3

## SR 30 (US 98) over Pensacola Bay – Bridge Replacement





# District 4



**Gerry O'Reilly**

**District Secretary**



# DISTRICT 4

## Challenges and Opportunities in FY 2016/17

- State Road 7 Extension in Palm Beach County
- Complete Streets / Local Initiatives / Off-system projects
- Safety
- Accelerating SW 10<sup>th</sup> Street



# DISTRICT 4

## Successes in FY 2016/17

### Major projects

#### Flagler Bridge



# DISTRICT 4

## Successes in FY 2016/17

### Major projects

#### Southern Blvd Bridge

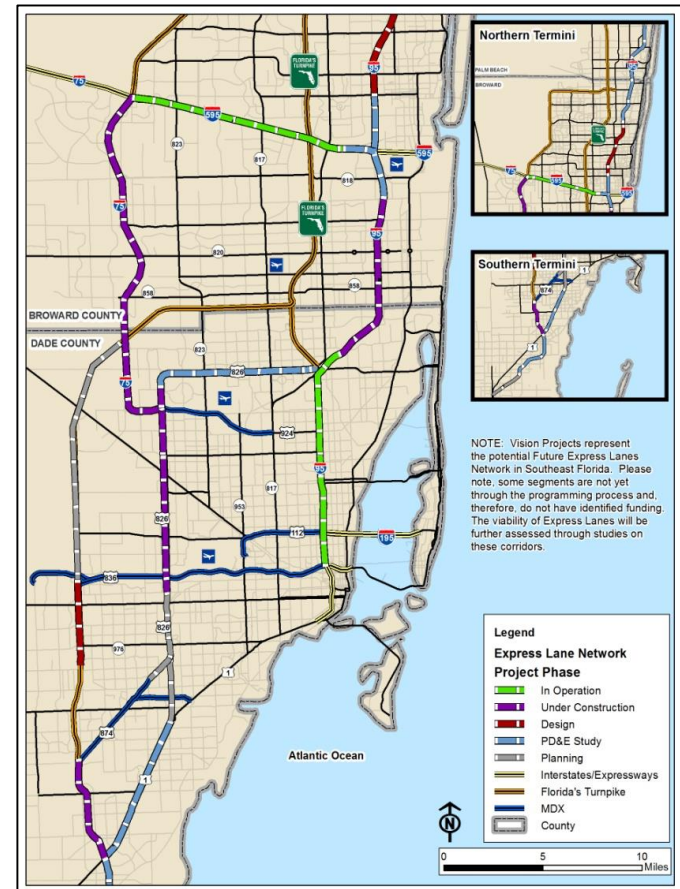




## Successes in FY 2016/17

### Major projects

## I-95 Express in Broward and Palm Beach counties



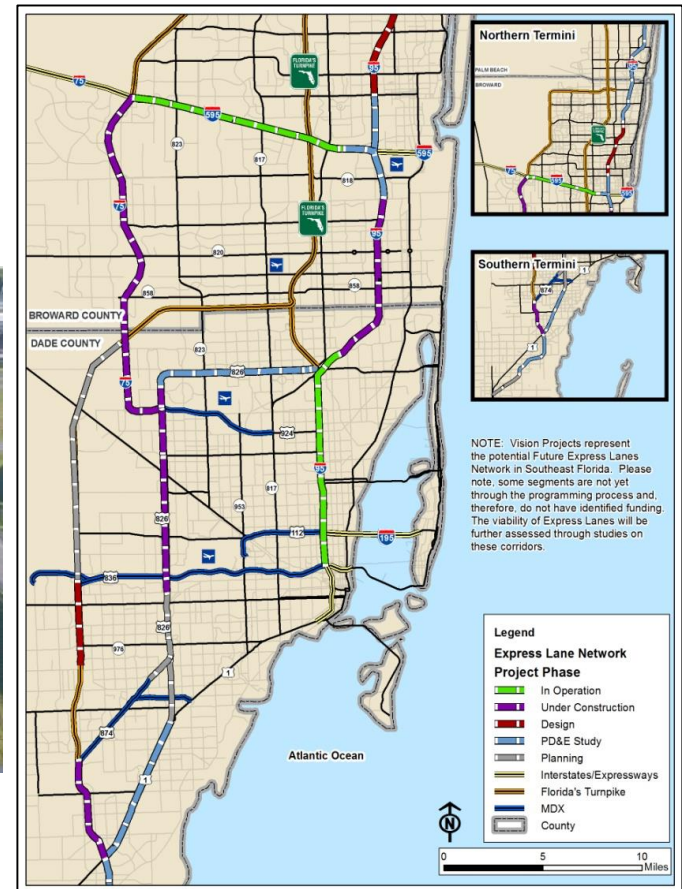
# DISTRICT 4

## Successes in FY 2016/17

### Major projects

#### I-75 Express

- From NW 170<sup>th</sup> Street to I-595





# DISTRICT 4

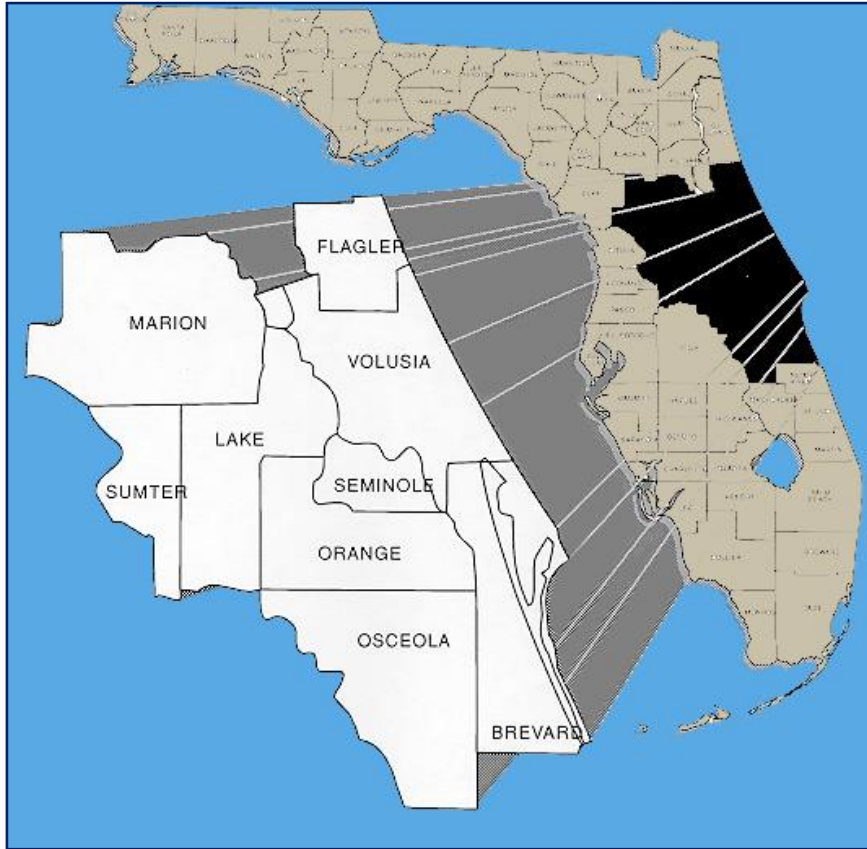
## Successes in FY 2016/17

### Major projects

#### I-95 at Spanish River Blvd



# District 5



**Steven Martin**  
**District Secretary**



## Challenges and Opportunities in FY 2016/17

### Opportunities:

- I-4 BTU Procurement
- Intersection Lighting
- AV/CV w/Lynx & City of Orlando

### Challenges:

- I-4 Right of Way
- Cost Escalations
- Space Port Infrastructure





# DISTRICT 5

## Successes in FY 2016/17

### I-4 ULTIMATE/ GRAND NATIONAL OPENING



# DISTRICT 5

## Successes in FY 2016/17

**WEKIVA PARKWAY SECTION SIX  
INCLUDES MAJOR BRIDGE/PEDESTRIAN  
BRIDGE OVER WEKIVA RIVER**





# DISTRICT 5

## Successes in FY 2016/17

### PORT CANAVERAL



# DISTRICT 5

## Successes in FY 2016/17

### AVIATION / SPACEPORT





# DISTRICT 5

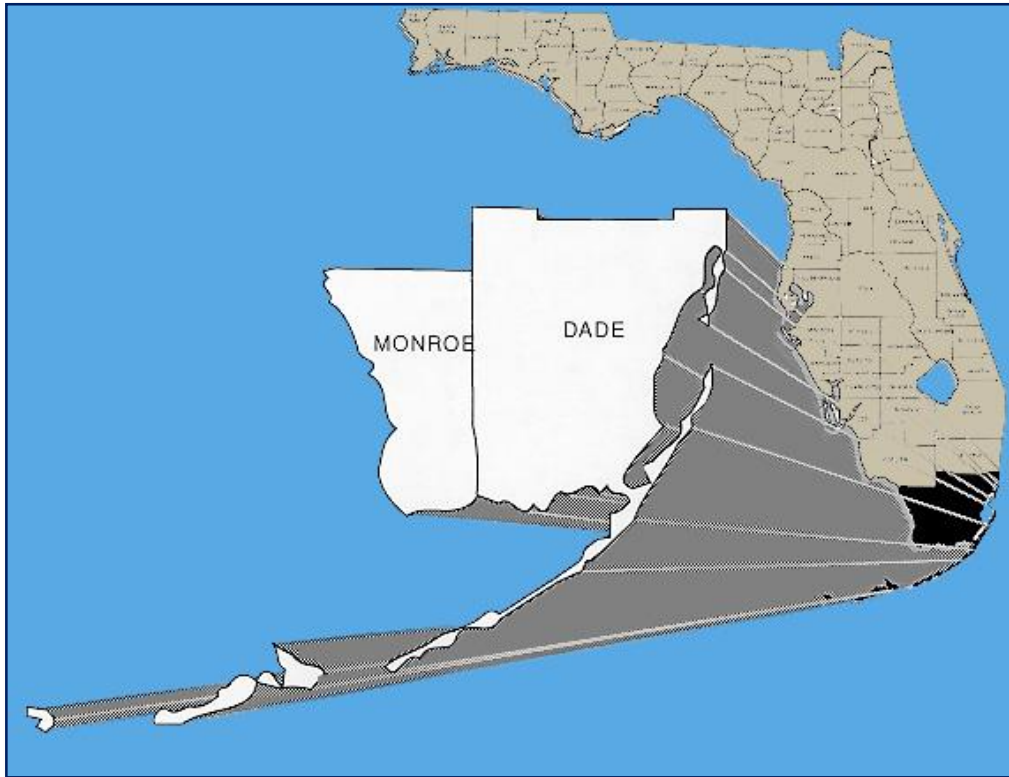
## Successes in FY 2016/17

### COCOA / BREVARD OPERATIONS CENTER





# District 6



**Jim Wolfe**

**District Secretary**



## **Challenges and Opportunities in FY 2016/17**

### **Opportunities:**

**Fastrack recommendations**

**Transit in Miami-Dade**

**Social media**

**Connected and autonomous vehicles**

### **Challenges:**

**Attraction and retention of qualified, experienced workforce.**

**Disruptive technology**

**Long range planning**

**I-395 “Signature Bridge” protest**



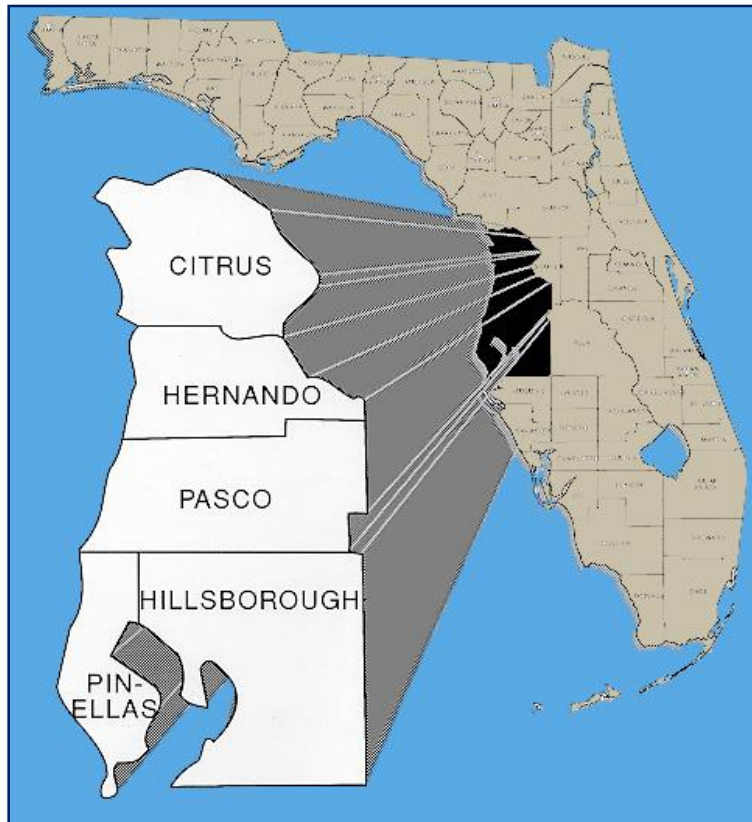
# **DISTRICT 6**

## **Successes in FY 2016/17**

- **Safety on Krome Avenue**
- **Safety on 95 Express Phase 1**
- **Focus on transit in Miami-Dade**
- **Hurricane Irma response**



# District 7



**David Gwynn**

**District Secretary**

## Challenges and Opportunities in FY 2017/18

- Continuing the progress of the Tampa Bay Next Program
- Continual pressure on D7 for transit improvements, yet limited local agency participation.
- Meeting the transportation needs given the rapid growth combined with the land use/growth patterns that tax the capacity of the state roads.
- Balancing the needs of regional and local mobility with the desires and preferences of MPO's and local communities
- Recruitment and retainage impacts are increasing (losing to County, retirement, private sector) and then recruitment of talent (especially with around 10 years of experience) is extremely difficult given the salary structure.





# **DISTRICT 7**

## **Successes in FY 2017/18**

- **Tampa Bay Next process has developed a culture of trust, transparency, and willingness to look at potential mobility solutions through a different lens, resulting in much better public relations with the community**



# DISTRICT 7

## Successes in FY 2016/17

Gateway Expressway underway (first managed lanes in Tampa Bay region)



# DISTRICT 7

## Successes in FY 2016/17

Jackson Street cycle track (first on State Road) is under construction and is an example of looking at solutions differently (lane diet involved)





# DISTRICT 7

## Successes in FY 2016/17

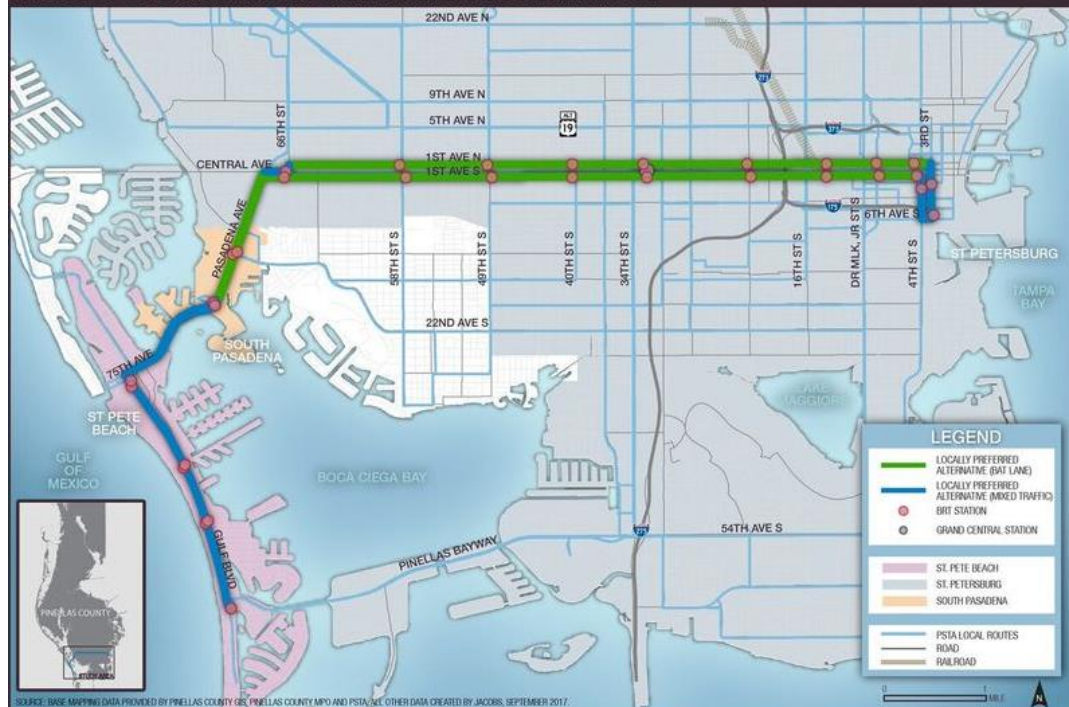
Central Avenue BRT – First regional transit project to go to FTA



PSTA CENTRAL AVENUE BRT

PROJECT LOCATION AND LOCALLY PREFERRED ALTERNATIVE

ST. PETERSBURG FLORIDA



SOURCE: BASE-MAPPING DATA PROVIDED BY PINELLAS COUNTY GIS, PINELLAS COUNTY MPO AND PSTA, ALL OTHER DATA CREATED BY JACOBS, SEPTEMBER 2017.



## Successes in FY 2016/17

SR 56 innovative project is well under construction (FDOT funding, developer ROW donations, and County SIB loan funding)

Aerial  
view  
facing  
west  
BEFORE



Aerial  
view  
facing  
west  
CURRENT





# DISTRICT 7

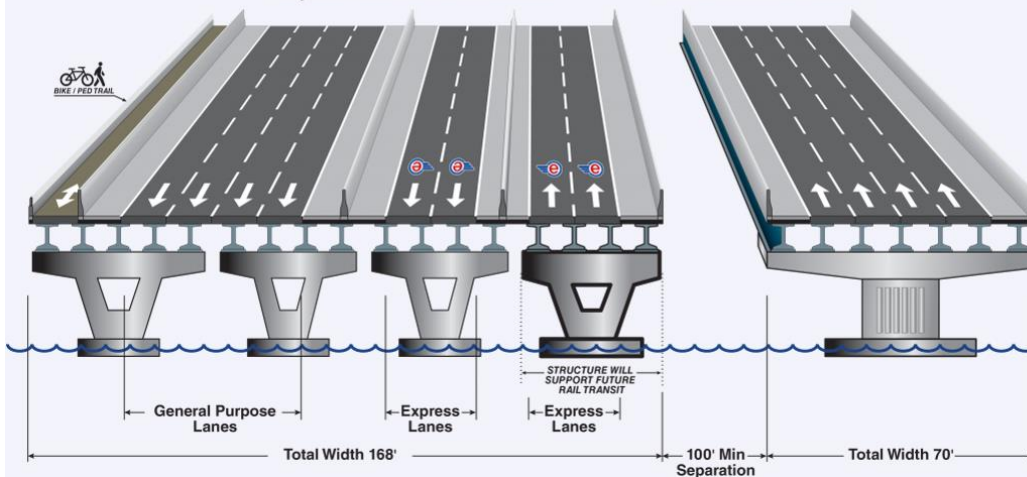
## Successes in FY 2016/17

Continuing with various phases of major corridor improvements for mobility and economic growth (I-75, SR 52, SR 50, US 19, US 301) –  
Howard Frankland Bridge funded

### Howard Frankland Bridge This is what we are proposing to build in 2020.

New Bridge with Bike/Ped Trail on the Outside and  
2 Express Lanes in each Direction

Existing Southbound  
Converts to Northbound



## Successes in FY 2016/17

Large investments in Tampa International Airport and Tampa Port to facilitate movement of people and goods

Automated People Mover Construction at TIA



Crane delivery to Port Tampa Bay





# Florida's Turnpike Enterprise



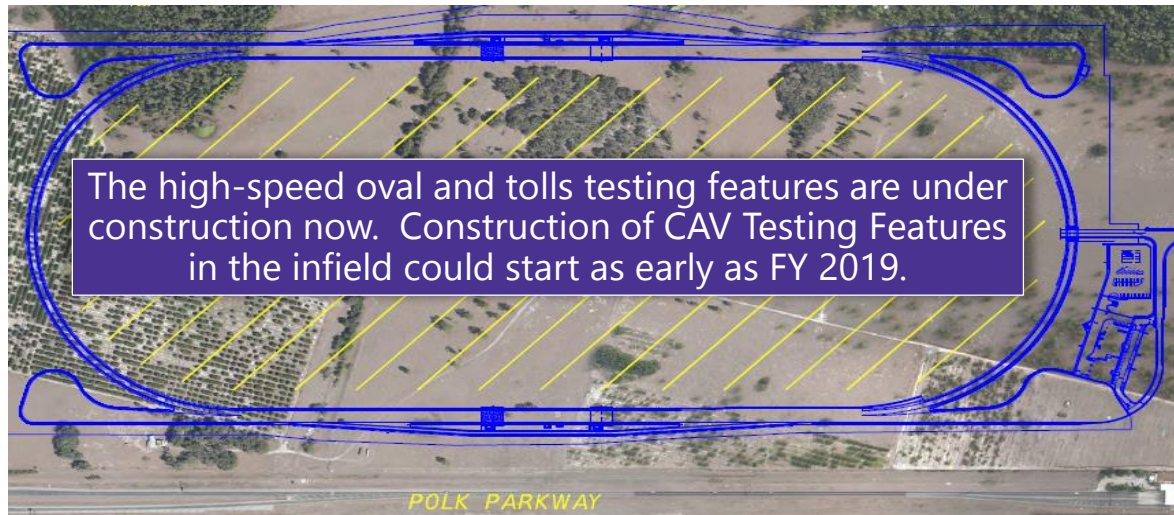
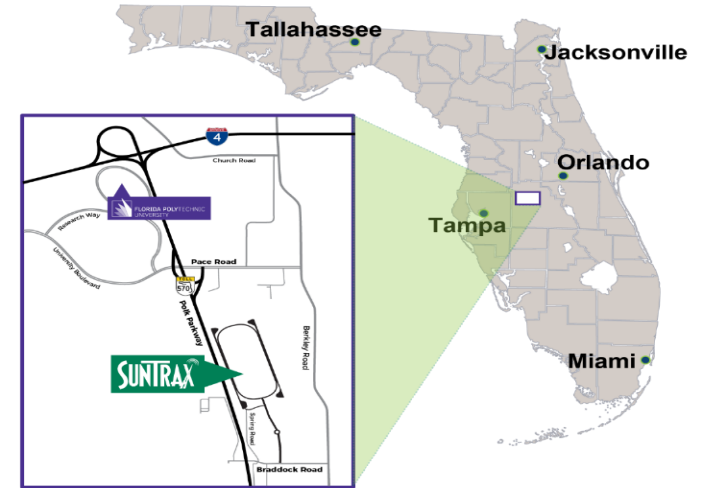
**Diane Gutierrez-Scaccetti**

**Executive Director**



# Turnpike Enterprise: Major Project SunTrax

- 475 Acre Closed Test Facility
- 2.25 Mile High-Speed Track with 5-Lane Straightaways
- 4 Re-Configurable Toll Gantries
- 12,000 SF Operations Building & 9,000 SF Storage Building





# Turnpike Enterprise: Major Project Minneola Interchange @ MP 279 Innovative Design-Build Delivery

- Opened: 6/10/17
- 4 Major Stakeholders
- Innovative Approach to ROW
  - R/W minimized by 62% from D/B RFP
- 3D Technology
  - Design Delivered
  - 3D technology used in Construction Machinery



# Turnpike Enterprise: Major Project

## Suncoast Parkway 2

- 12 mile extension of Suncoast Parkway
  - US 98 to SR 44 in Hernando and Citrus Counties
- All Electronic Toll (AET) Facility
- 4 lanes (2 each direction) median divided + 12 foot multi-use trail within 350 foot ROW
- 3 Interchanges:
  - US 98, Cardinal Street and SR 44
- Majority of new corridor traverses State Lands
  - Significant multi-agency coordination and cooperation
  - Extensive environmental needs/constraints successfully satisfied
- Project awarded for construction Fall 2017
  - \$135 M Winning Bid



# Turnpike Enterprise: Major Project Veterans Expressway

- 12 mile corridor widening from 4 to 8 lanes
  - 6 general use lanes + 2 express lanes (3 + 1 in each direction)
- All Electronic Toll (AET) collection corridor-wide
- Delivered with six (6) construction contracts:
  - 4 Design-Bid-Build, 2 Design-Build
  - \$258 million investment
- 8 miles completed Summer 2017, remaining 4 miles to be complete Spring 2018
- Express Lanes – Open to Traffic (tbd)



For More Information:

[www.ftc.state.fl.us](http://www.ftc.state.fl.us)

(850) 414-4105

