

# CENTRAL FLORIDA EXPRESSWAY AUTHORITY

## AGENDA

### CENTRAL FLORIDA EXPRESSWAY AUTHORITY

### BOARD WORKSHOP

September 10, 2015

Immediately following the conclusion of the 9:00 a.m. Board Meeting

Meeting Location: CFX Boardroom  
4974 ORL Tower Road, Orlando, FL 32807

#### A. CALL TO ORDER

#### B. PUBLIC COMMENT

Pursuant to Rule 1-1.011, the governing Board for CFX has set aside at least 15 minutes at the beginning of each regular meeting for citizens to speak to the Board on any matter of public interest under the Board's authority and jurisdiction, regardless of whether the public interest is on the Board's agenda, but excluding pending procurement issues. Each speaker shall be limited to 3 minutes.

#### C. PROJECT POLICY OVERVIEW – *Joseph Berenis, Chief of Infrastructure and Glenn Pressimone, Director of Engineering*

#### D. CFX SYSTEM NEEDS AND POTENTIAL CAPITAL PROJECTS – *Glenn Pressimone, Director of Engineering*

- Current CFX System Expansion/Improvements
- Other Toll Opportunities Within CFX Jurisdictional Boundaries
- Other Regional Tolling Opportunities

#### E. ALL ELECTRONIC TOLL COLLECTION – *David Wynne, Director of Toll Operations*

#### F. BOARD MEMBER COMMENT

#### G. ADJOURNMENT

This meeting is open to the public.

Note: Any person who decides to appeal any decision made at this meeting will need record of the proceedings and for that purpose, may need to ensure that a verbatim record of the proceedings is made which includes the testimony and evidence upon which the appeal is to be based, per Florida Statute 286.0105.

# PROJECT POLICY OVERVIEW

The background of the slide is a photograph of a multi-lane bridge spanning a body of water at dusk. The sky is a deep blue, and the bridge's lights and the surrounding landscape are reflected in the calm water. The Central Florida Expressway Authority logo is positioned in the upper left corner of the image.

# **CENTRAL FLORIDA** **EXPRESSWAY AUTHORITY**

## **2040 Master Plan Workshop Project Policy Overview**

September 10, 2015

## »» Purpose of Policies

- Implement CFX Vision
- Guide staff decisions on future initiatives and capital programs
- Comply with CFX Legislation

## »» CFX Legislation

- Construct, improve, maintain, operate Expressway System
- Construct extensions, additions to the system, including roads, bridges, rapid transit, trams, fixed guideways
- Multimodal / Intermodal Projects
  - Within expressway right of way
  - Will improve level of service on the expressway system

## Policy Categories

- Existing System Improvements
- New Projects
- New Markets

## »» Existing System Improvements

- Capacity Improvements
- Existing Interchanges
- Renewal / Replacement
- Toll Facilities



## New Projects

- New Interchanges
- System Expansions
- Non-system Expansions
- Other Jurisdictions



## New Markets

- Multimodal
- New Services
  - Traveler information
  - Parking
  - Fiber optic cable
  - Advertising

# Policy Profile

Range of Policy Options

All Proposed	All Proposed	All Proposed	Reduce Average Delay	All Proposed	All Proposed	All Proposed	All Proposed	All Proposed	Explore Other Transport Related Markets
Costs Equal User Benefits	Costs Equal User Benefits	Exceed 90 on FDOT MRP Score	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Focus on Emerging Markets/ Technology
Costs Equal Revenue	Costs Equal Revenue	Upgrade to reflect changes in Design Standards	Costs Equal Revenue	Costs Equal Revenue	50% Coverage	50% Coverage	50% Coverage	50% Coverage	Expand Current Services
		Meet Minimum MRP Standards	Positive Return on Investment	No Participation		No Participation	No Participation	No Participation	Maintain Current Services
CAPACITY IMPROVEMENTS	EXISTING INTERCHANGES	RENEWAL / REPLACEMENT	TOLL FACILITIES	NEW INTERCHANGES	SYSTEM EXPANSION	NON-SYSTEM EXPANSION	OTHER JURISDICTIONS	MULTIMODAL	NEW SERVICES
Existing System Improvements				New Projects				New Markets	

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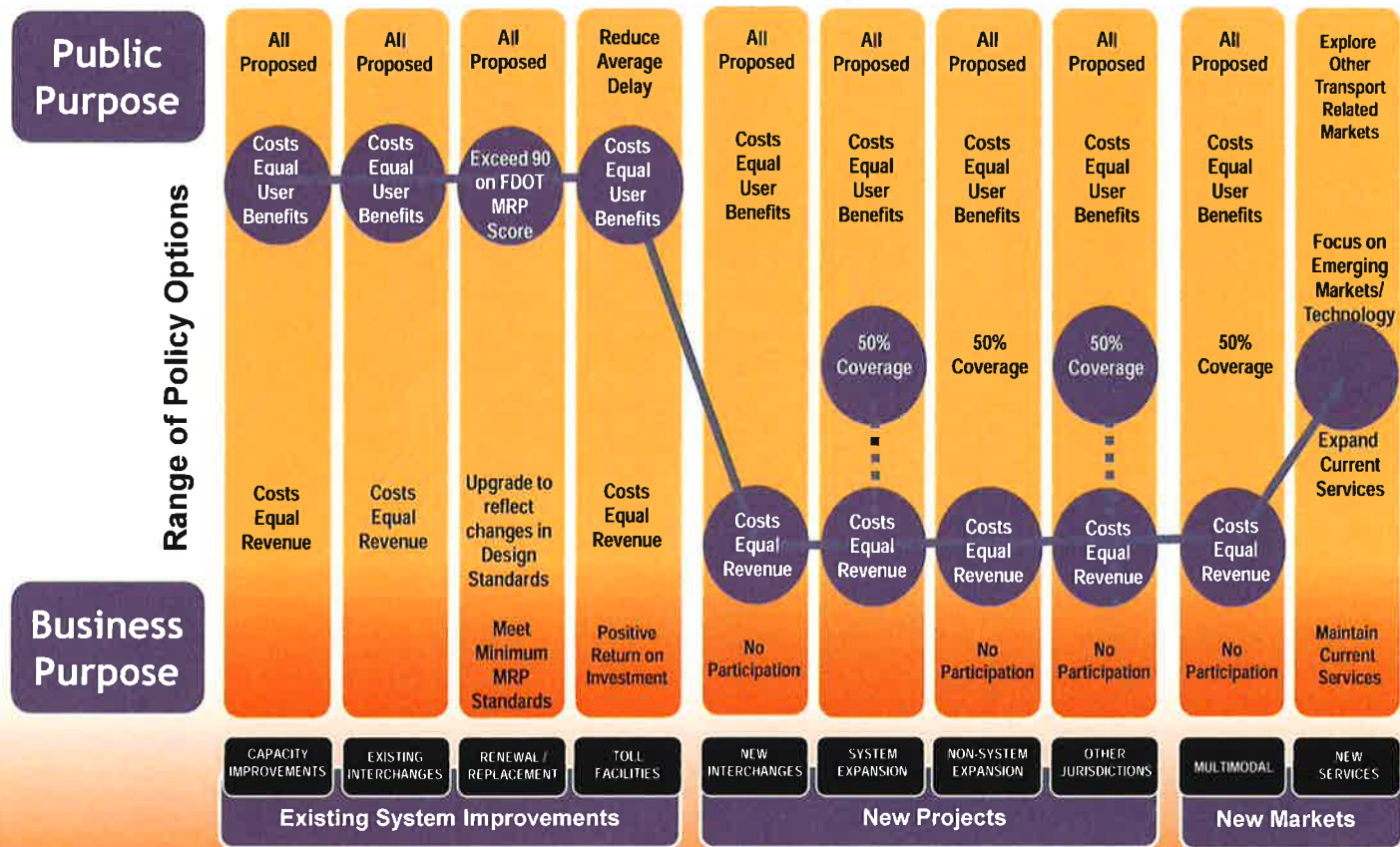
Slide #8

# Policy Profile

Public Purpose	All Proposed	All Proposed	All Proposed	Reduce Average Delay	All Proposed	All Proposed	All Proposed	All Proposed	All Proposed	Explore Other Transport Related Markets
	Costs Equal User Benefits	Costs Equal User Benefits	Exceed 90 on FDOT MRP Score	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	Costs Equal User Benefits	
Range of Policy Options						50% Coverage	50% Coverage	50% Coverage	50% Coverage	Focus on Emerging Markets/ Technology
	Costs Equal Revenue	Costs Equal Revenue	Upgrade to reflect changes in Design Standards	Costs Equal Revenue	Costs Equal Revenue	Costs Equal Revenue	Costs Equal Revenue	Costs Equal Revenue	Costs Equal Revenue	Expand Current Services
Business Purpose			Meet Minimum MRP Standards	Positive Return on Investment	No Participation		No Participation	No Participation	No Participation	Maintain Current Services
CAPACITY IMPROVEMENTS   EXISTING INTERCHANGES   RENEWAL / REPLACEMENT   TOLL FACILITIES				NEW INTERCHANGES   SYSTEM EXPANSION   NON-SYSTEM EXPANSION   OTHER JURISDICTIONS				MULTIMODAL   NEW SERVICES		
Existing System Improvements				New Projects				New Markets		



# Current Policy Profile



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## »» Existing System Improvements

Public  
Purpose

Reduce  
Average  
Delay

Costs  
Equal  
User  
Benefits

### Capacity Improvements

- Policy - Invest in projects that will generate user benefits that equal or exceed project costs

Costs  
Equal  
Revenue

Business  
Purpose

CAPACITY  
IMPROVEMENTS

## Existing System Improvements

Public  
Purpose

Reduce  
Average  
Delay

Costs  
Equal  
User  
Benefits

### Existing Interchanges

- Policy - Invest in projects that will generate user benefits that equal or exceed project costs

Costs  
Equal  
Revenue

Business  
Purpose

EXISTING  
INTERCHANGES

## Existing System Improvements

Public  
Purpose

All  
Proposed

Exceed 90  
on FDOT  
MRP  
Score

### Renewal / Replacement

- Policy - Maintain the roadway condition at a Maintenance Rating Program (MRP) of 90 or better

Upgrade to  
reflect  
changes in  
Design  
Standards

Business  
Purpose

Meet  
Minimum  
MRP  
Standards

RENEWAL /  
REPLACEMENT

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## »»» Existing System Improvements

Public  
Purpose

Reduce  
Average  
Delay

Costs  
Equal  
User  
Benefits

### Toll Facilities and Equipment

- Policy - Invest in projects that will generate user benefits that equal or exceed project costs

Costs  
Equal  
Revenue

Positive  
Return on  
Investment

TOLL  
FACILITIES

Business  
Purpose

## »»» New Projects

Public  
Purpose

All  
Proposed

Costs  
Equal  
User  
Benefits

### New Interchanges

- Policy - Invest in projects that will generate new system revenue in excess of project costs

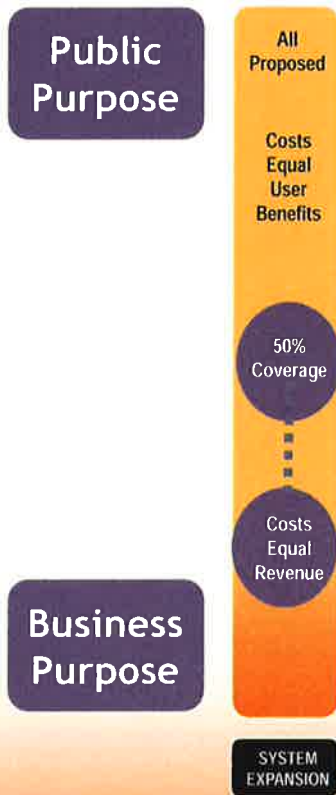
Business  
Purpose

Costs  
Equal  
Revenue

No  
Participation

NEW  
INTERCHANGES

## »»» New Projects



### System Expansion

- Policy - Invest in projects that will generate new system revenue in excess of project costs
- Consider partnerships; pledge up to 50% of project costs

## »»» New Projects

Public  
Purpose

All  
Proposed

Costs  
Equal  
User  
Benefits

50%  
Coverage

Costs  
Equal  
Revenue

No  
Participation

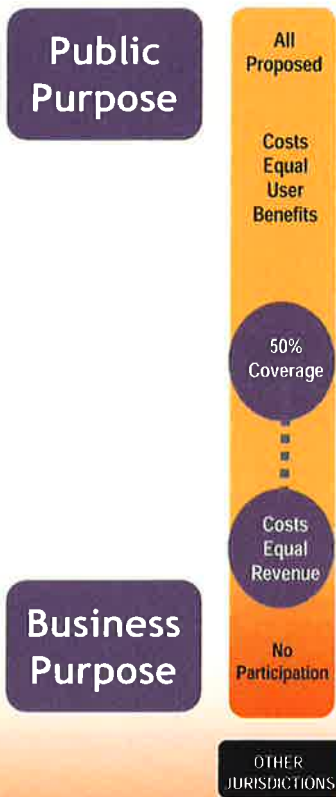
NON-SYSTEM  
EXPANSION

### Non-System Expansion

- Policy - Invest in projects that will generate new revenue in excess of project costs
- Must comply with Master Bond Resolution

Business  
Purpose

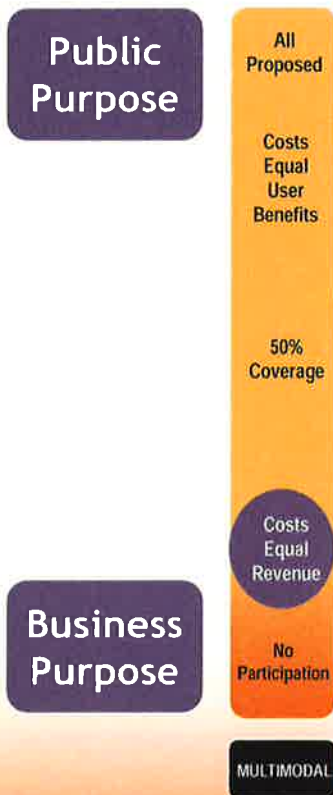
## »»» New Projects



### Other Jurisdictions

- Policy - Invest in projects that will generate new system revenue in excess of project costs
- Consider partnerships; pledge up to 50% of project costs

## »» New Markets



### Multimodal

- Policy - Provide funding for multimodal projects up to the amount of incremental revenues
- Must comply with Master Bond Resolution



## »» New Markets

Public  
Purpose

Explore  
Other  
Transport  
Related  
Markets

Focus on  
Emerging  
Markets/  
Technology

Expand  
Current  
Services

Business  
Purpose

Maintain  
Current  
Services

NEW  
SERVICES

### New Services

- Policy - Seek opportunities to expand into new markets compatible with ITS services
- Must comply with Master Bond Resolution



# SYSTEM NEEDS AND POTENTIAL CAPITAL PROJECTS

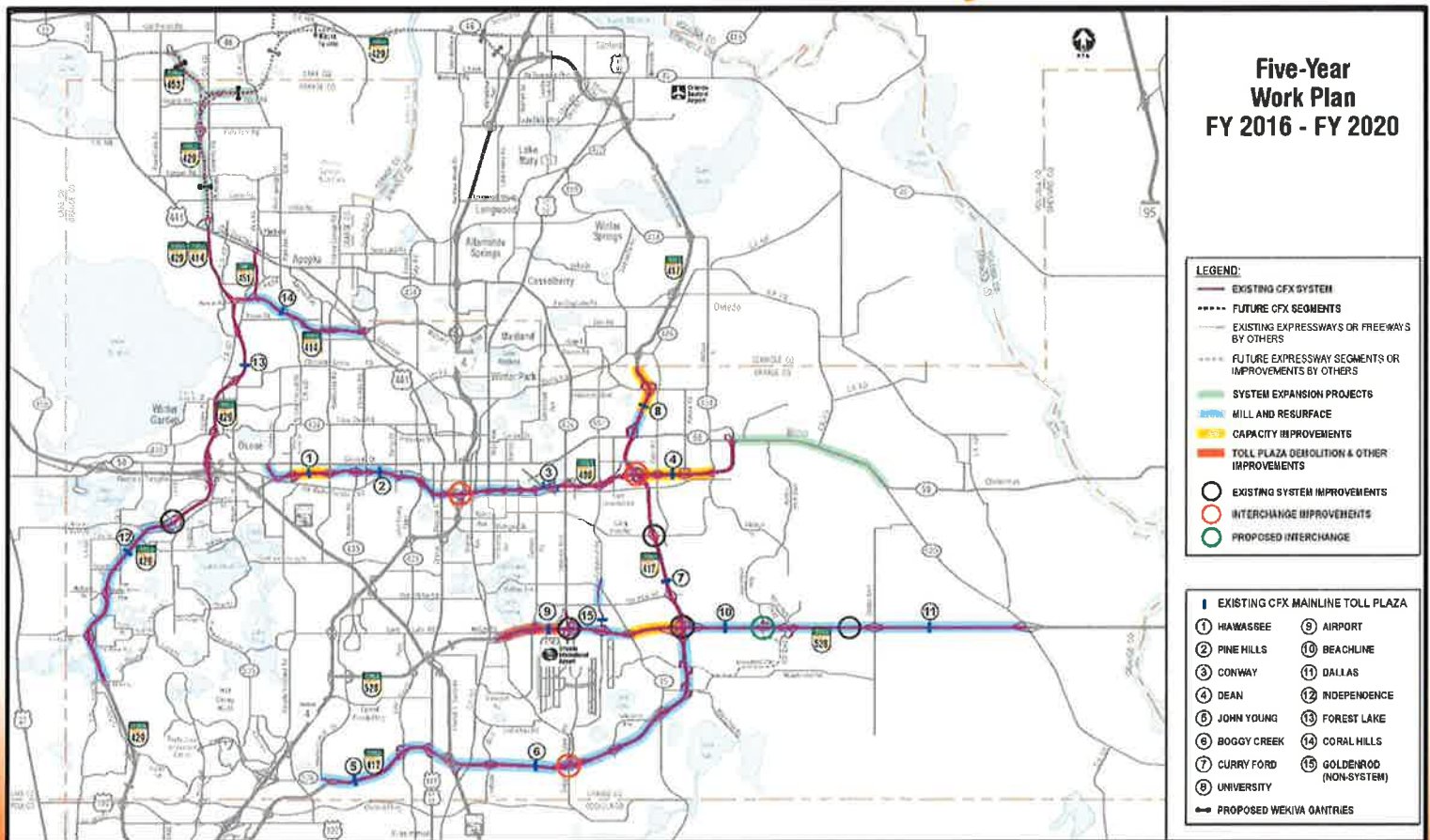


# **CENTRAL FLORIDA** **EXPRESSWAY AUTHORITY**

## **2040 Master Plan Workshop Potential Capital Projects**

September 10, 2015

# Work Plan Summary (FY 16 - 20)



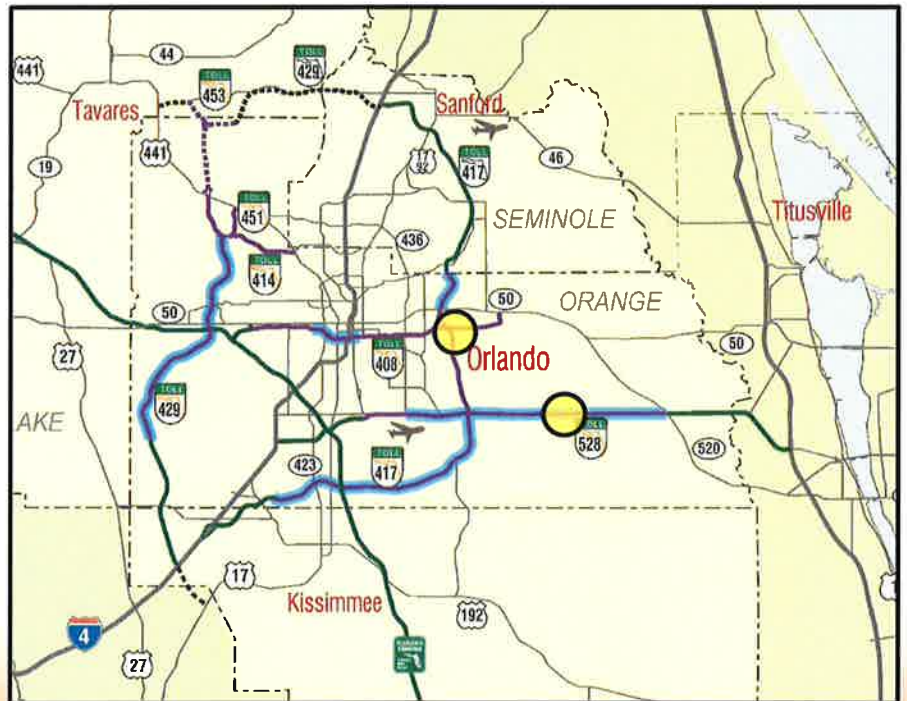
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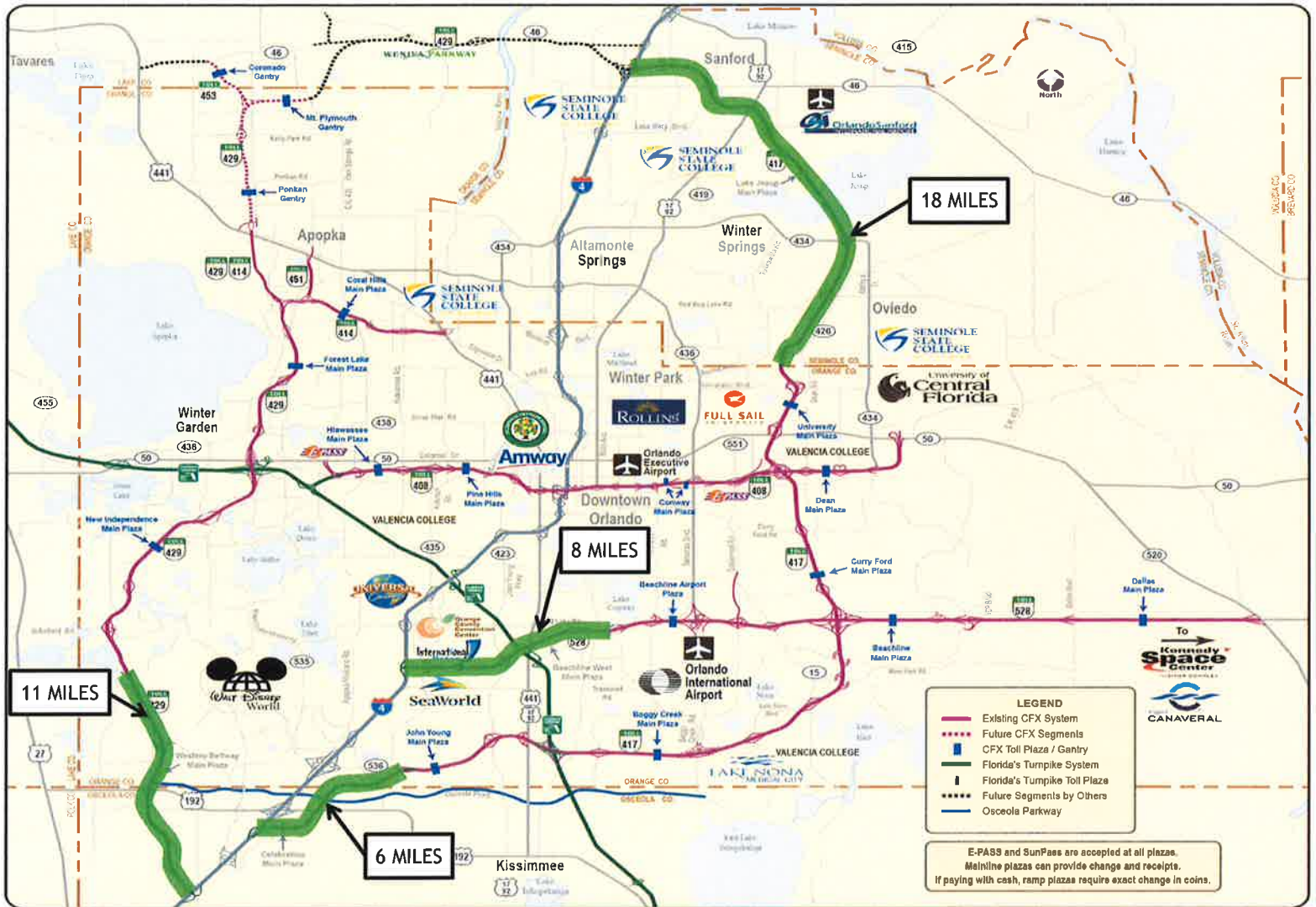
(FY 2020 - 2040)

- SR 417
- SR 429
- SR 528



## »» Existing System Renewal

- Roadway milling and resurfacing
- ITS equipment and software
- Signs
- Other infrastructure

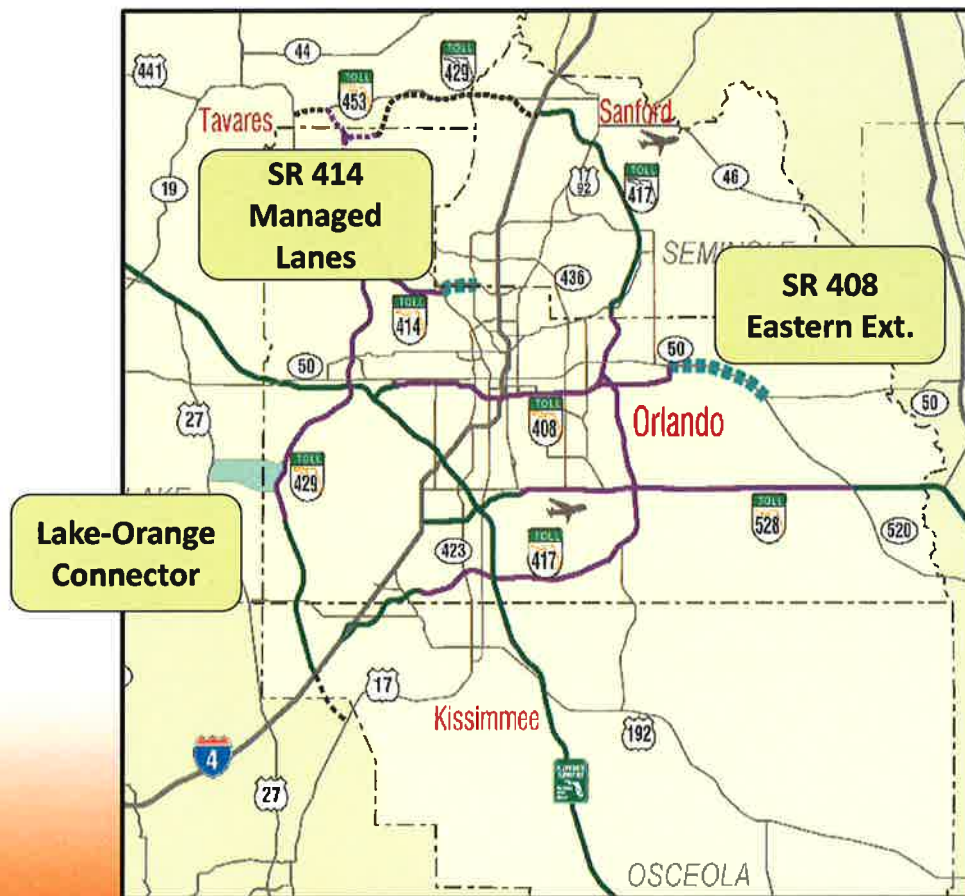


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## Candidate Expansion Projects



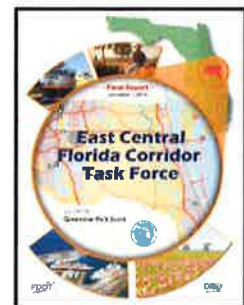
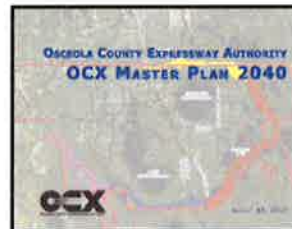
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## »» Other Candidate Projects

- Inter-Agency Coordination
- Community Outreach

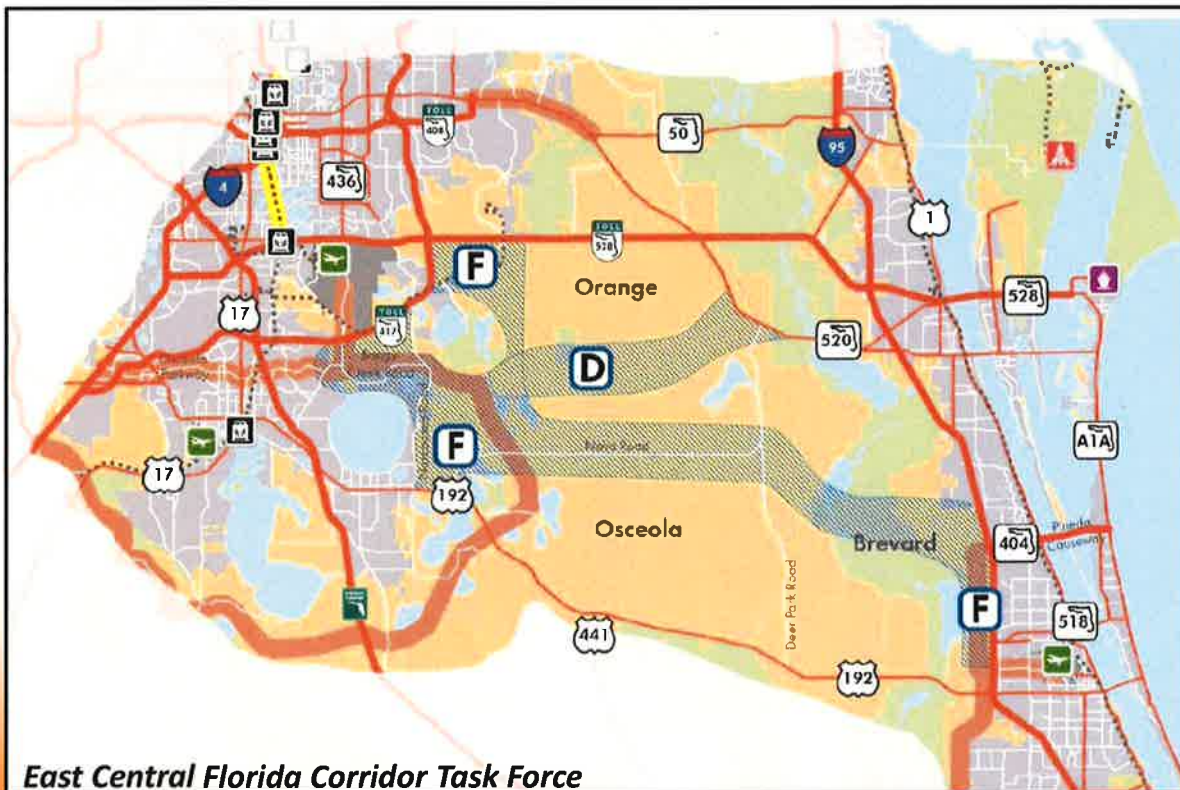


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# Task Force Projects

## New East-West Corridors

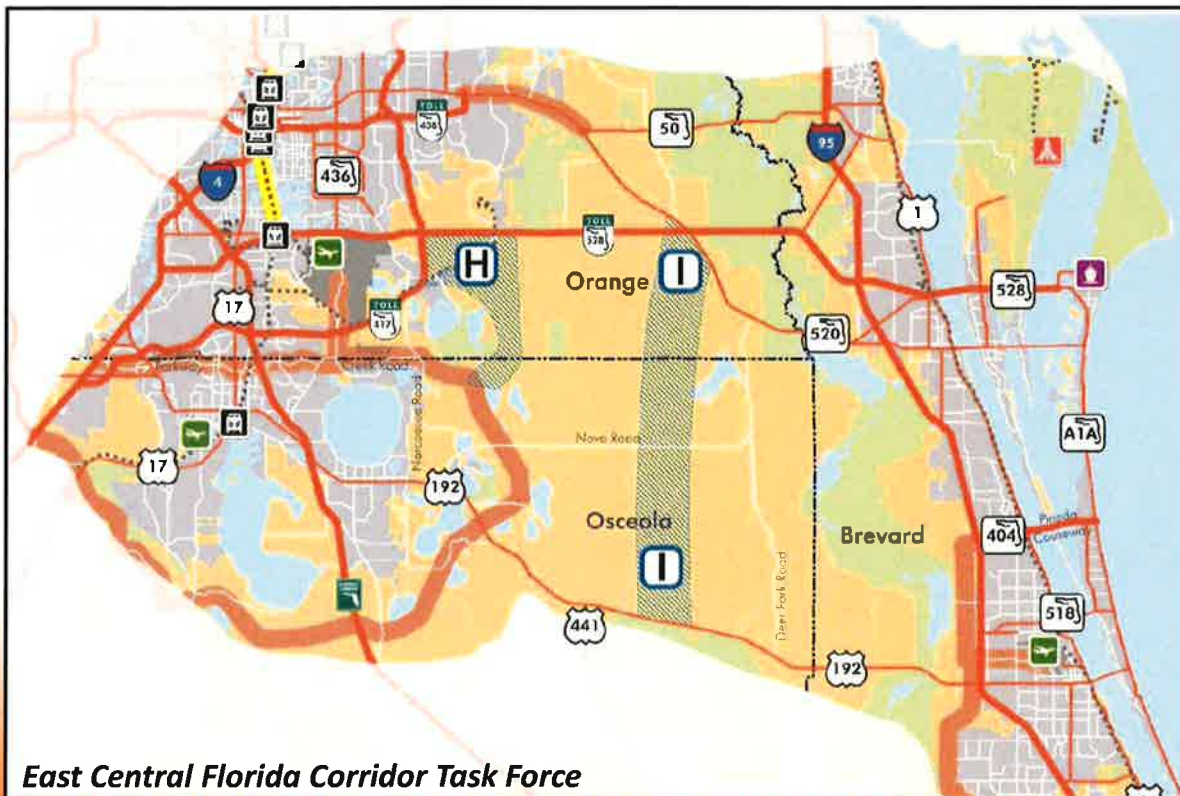


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# Task Force Projects

## New North-South Corridors



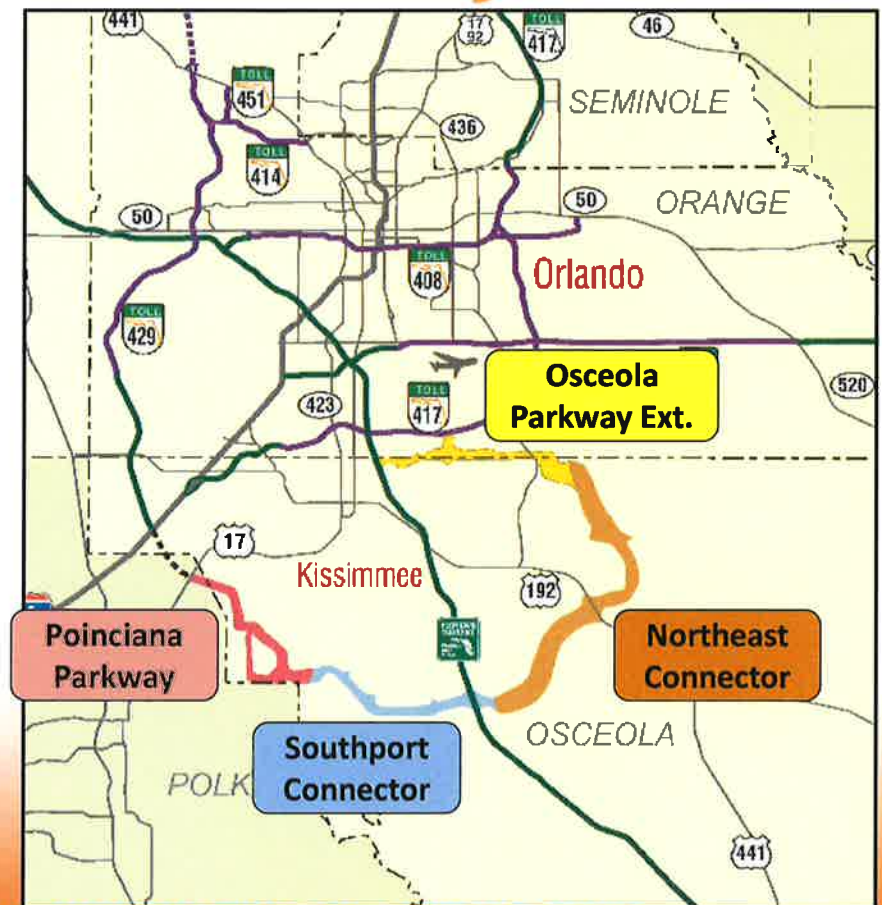
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## OCX Master Plan Projects

- CFX legislation
- Projects
  - Osceola Parkway Ext
  - Northeast Connector
  - Southport Connector
  - Poinciana Parkway
- Approximately 60 new expressway miles



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## 2040 Master Plan Candidates



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## Capital Projects Summary

### Estimated Costs (2015 dollars)

Existing System	\$2.0B
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Expansion Projects	\$8.6B - \$10.1B
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Total Cost Range	\$10.6B - \$12.1B
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CFX Project Capacity	\$4.65B
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# ALL ELECTRONIC TOLL COLLECTION



A photograph of a bridge at dusk. The bridge is illuminated with warm orange lights, and its reflection is visible in the calm water below. The sky is a deep blue, and the foreground shows some dark, reedy vegetation.

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## All Electronic Tolling



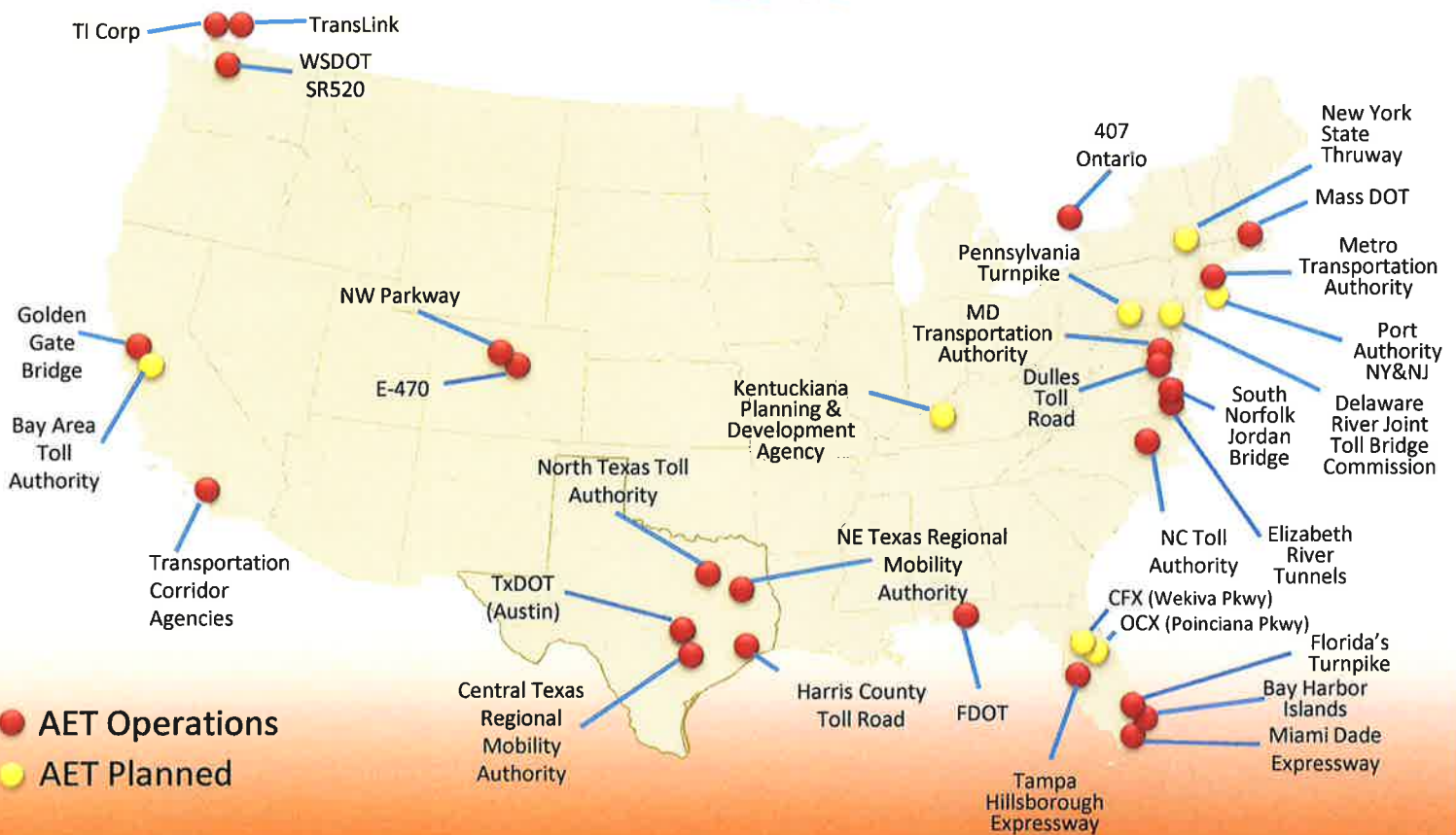
## All Electronic Tolling (AET) Locations 2010



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# All Electronic Tolling (AET) Locations 2015



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## »»» Why All Electronic Tolling?

- Environmental Benefits
- Reduce Capital Costs
- Reduce Operations and Maintenance Costs
- Less Right of Way
- Higher Throughput
- Safety
- Less Driver  
Confusion





## »» AET Risks



- Revenue Risk
  - Pay by Plate
  - Unknown Uncollectible
- Image Processing Volumes
  - Camera Optical Character Recognition Accuracy



## »»» Cash Preferred Customers



Provide Cash Retail Channels

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# »» CFX All Electronic Tolling

POINCIANA PARKWAY



WEKIVA PARKWAY



## NEXT STEPS

Future Board Workshop to Discuss CFX All  
Electronic Toll Options for the Existing  
Expressway System