

# **CFX Industry Forum**

July 13, 2023



## **Procurement Overview** Aneth Williams – Director of Procurement



# **Procurement Overview**



#### Procurement Objectives

It is the mission of CFXs Procurement Department to promote public confidence in procedures the agency follows to procure goods and services.





# **Procurement Resources**

#### **Policies and Procedures**

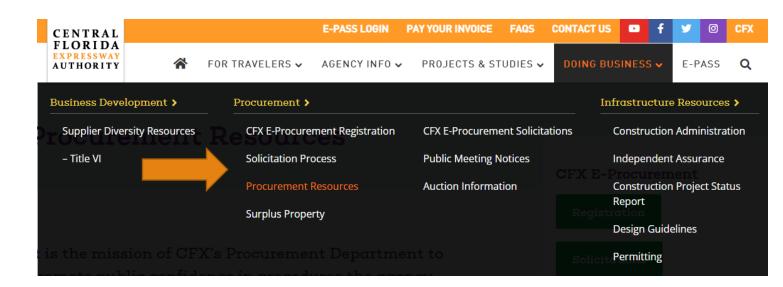
Governing rules, competitive procurement processes, contract amendments etc.

#### **Vendor Registration**

Access to Bid documents, Solicitations, Plan holders list, Advertisements, Bid results etc.

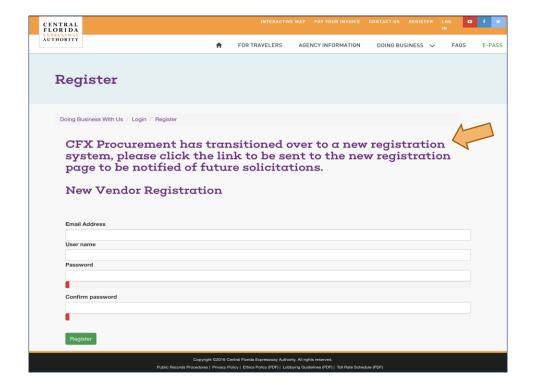
#### **Resource Library**

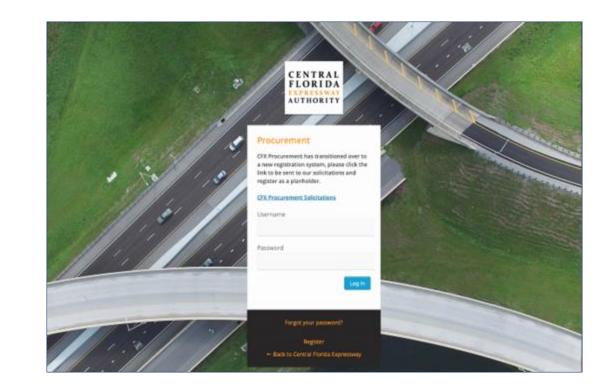
Public Meeting notices, Tax forms, Ethics policies, Records request, Auction information etc.





# **E-Procurement Registration**





CFX Procurement has transitioned over to a new registration system, please click the link to be sent to the new registration page to be notified of future solicitations.



# **Procurement E-Registration**



- Access to vendor registration to complete company a profile for your business
- Enroll to receive solicitations and invitations to bids
- Account Management to update company information

And much more.....

•					
CENTRAL FLORIDA EXPRESSWAY AUTHORITY					
www.cty VendorRegistry					
Registration					
Welcome	to the Central Florida Expressway Authority Ven	dor Registration System			
Central Florida	Expressway Authority is pleased to offer a free, online vendor registr	ation system, powered by Vendor Regist	ry.		
Begin your reg	istration by entering the information below and clicking "Get Started."				
Already bays	a Vendor Registry Profile? Log in to complete your registration with C	antral Elorida Evergenuov Authority			
Already have a	a vendor Registry Prome? Log in to complete your registration with C	entral Florida Expressway Authority.			
				Megan, Lee Ann, Keely We typically reply in a few minutes	
TITLE					
-Select-		\$	<b>(66)</b>	Have any questions? I'm happy to he	In
FIRST NAME	E *			Have any questions: Initiappy to he	ip.
First Nam	ne				
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COMPANY	NAME *				
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EMAIL ADDF	RESS *		Write a	message	1
Email Add	dress				
	ress will be your username. An automatic email will be sent to this address for ease use an email address you can easily access.				×

Central Florida Expressway Authority is pleased to offer a free, online vendor registration system, powered by <u>Vendor Registry</u>. <u>https://www.cfxway.com</u>



# **Solicitations & Public Records**

The CFX Procurement Policy identifies three methods to procure goods and services.

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Competitive Sealed Bids



Competitive Sealed Proposals



Selection of Design Professional Consultants

NTRAL ORIDA THORITY powered by WendorRegistry							
olicitations From Central Florida Expressway Authority							
rrent	xpired No Deadline						
gister your business with us to be on our vendor list. This ensures that you are set up and ready to bid when the opportunity arises							
Туре	Provintion				Pre-Bid		
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Description	Status	ID #	Deadline	Meeting	Docs	
Sealed Solicitation	CEI SERVICES FOR SR 417 WIDENING BOGGY CREEK TO NARCOOSSEE; PROJECT NO. 417-151	Open	ID # LOI 001750	Deadline 2/9/2021 1:30 PM	Meeting	Docs 1	
Sealed	CEI SERVICES FOR SR 417 WIDENING BOGGY CREEK		LOI	2/9/2021	Meeting		
ealed olicitation ealed	CEI SERVICES FOR SR 417 WIDENING BOGGY CREEK TO NARCOOSSEE; PROJECT NO. 417-151 DESIGN SERVICES FOR SR 528 WIDENING FROM	Open	LOI 001750 LOI	2/9/2021 1:30 PM 1/4/2021	Meeting	1	



# **Questions?**



## **Aneth Williams**

CFX Director of Procurement Aneth.Williams@cfxway.com





## **Supplier Diversity Program Overview** Iranetta Dennis – Director of Supplier Diversity



# **Supplier Diversity Program Participants**

## D/M/WBE Program

Firms certified by:

- City of Orlando
- Orange County
- FDOT



#### **SSBE** Program

Companies are registered with CFX as a SSBE firm



#### **DBE Program**

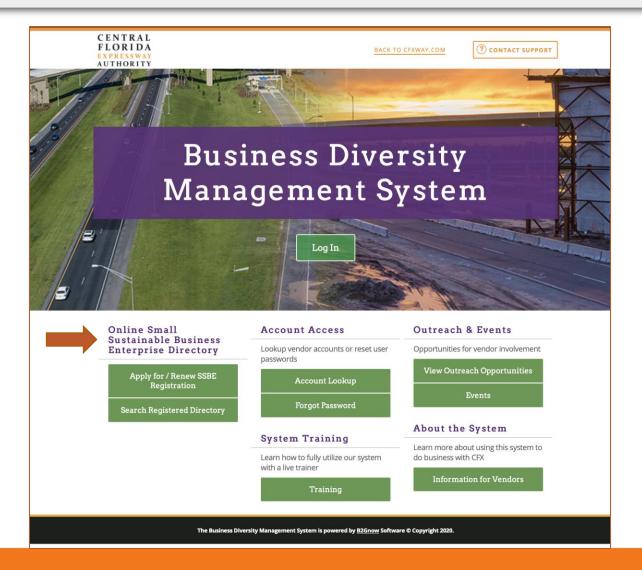
Firms certified by Florida Unified Certification Program

# CFX FY22&23 D/M/WBE Contract Award

Fiscal Year	Total Award Amount	Total Minority Award Amount	Percentage of Utilization
2022	\$803,295,703.96	\$126,072,706.14	16%
2023	\$154,573,084.27	\$27,387,211.84	18%



## **Business Diversity Management System**





## **Online Small Sustainable Business Enterprise Directory (SSBE)**

	• • •	
Online Reg	gistration	
Welcome! Please login or create an account to apply for registration, and/or information to us. If you have questions about registration, please or call (407) 690-5000. You may already have an account due to working relationships wi is always best to Lookup Account to ensure you are not currently	e contact SupplierDiversity@CFXWay.com ith other agencies. Therefore, prior to crea	Training Class
New Regi	stration	
Your firm is not cur <u>Create A</u>		
l Forgot My Usern. Lookup A		
Renew Your I	Registration	
l Know My Userna Log	ame & Password	
l Forgot My Usern Lookup A		
After logging in to your account, you will be directed to the applica the right side of the "Dashboard." If you require technical assistar support form.		

- Apply for SSBE Registration
- Renew Your Registration
- Online Support

## **Online Small Sustainable Business Enterprise Directory (SSBE)**

	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	BACK TO CFXWAY.COM					
T,	Small Sustainable Business Enterprise Registration Directory						
	below.	ise Directory by entering the search criteria and clicking search. You may search by a variety of other fields which are provided					
	Search results may be downloaded to Excel, by clicking the "Download Results to Excel" button after your search results are displayed. To download the full Registration Directory do not enter search criteria, scroll to the bottom of the page and click the "Download Entire Directory to Excel" button. Note: The Central Florida Expressway Authority (CFX) does not certify Small Sustainable Business Enterprises. CFX only registers companies as participants in the SSB program based on policy. The term certification stated within the table and final search results are not applicable to CFX's SSBE program.						
	Search by Certification Type						
1000	CERTIFICATIONS	g Sustainable Small Business Enterprises (SSBE)					
	Search by Business Name or DB	A					
6	BUSINESS NAME/DBA	Tip: Try just a few letters of the firm's name.					
	Search by Business Description						
L	BUSINESS DESCRIPTION	Tip: Try just a few letters of a keyword.					
	Search by Commodity Code						
L	COMMODITY CODES	Click to Lookup Commodity Codes					
	Search by Contact Person						
l	CONTACT PERSON/OWNER	First Name Last Name   Inp: Use the first letter. Tip: Try the first few letters.					
	Search by Location						
	СПУ						
	ZIP CODE	Tip: Search for multiple zip codes by separating with commas.					



#### **Search Criteria Types**

- Certification
- Business Name or DBA
- Business Description
- Commodity Code
- Contact Person
- Location



# **Questions?**



## Iranetta Dennis

CFX Director of Supplier Diversity Iranetta.Dennis@cfxway.com





## **Engineering Overview** Jamison Edwards, P.E. – Engineering Project Manager



## FY 2024-2028 Work Plan

Project Cost Summary (\$000's)						
Category	2024	2025	2026	2027	2028	Totals
Existing System Improvements	371,300	117,770	139,013	144,731	201,923	974,737
System Expansion Projects	285,692	501,795	456,543	532,632	589,913	2,366,575
Interchange Projects	7,032	51,176	88,168	136,162	68,915	351,453
Facilities Projects	20,893	9,870	24,638	16,331	6,082	77,814
Transportation Technology Projects	8,599	21,967	4,968	1,278	4,142	40,954
Information Technology Projects	12,770	15,379	2,534	2,180	2,180	35,043
Signing and Pavement Markings	8,124	9,884	2,109	4,322	6,130	30,569
Renewal and Replacement Projects	4,557	35,761	17,017	39,389	54,992	151,716
Landscape & Hardscape Projects	257	3,222	1,418	109	1,478	6,484
Non-System Projects	1,900	1,937	0	231	2,917	6,985
TOTALS	721,124	768,761	736,408	877,365	938,672	4,042,330



## **Upcoming Design Projects**

#### SR 417 Widening PD&E

• SR 528 to SR 408

#### **Dallas Boulevard Interchange**

• SR 528 and Dallas Boulevard

#### SR 408 Widenings (2 Projects)

- I-4 to Bumby Avenue and West of SR 436 to Goldenrod Road (WB)
- Kirkman Road to East of Church Street

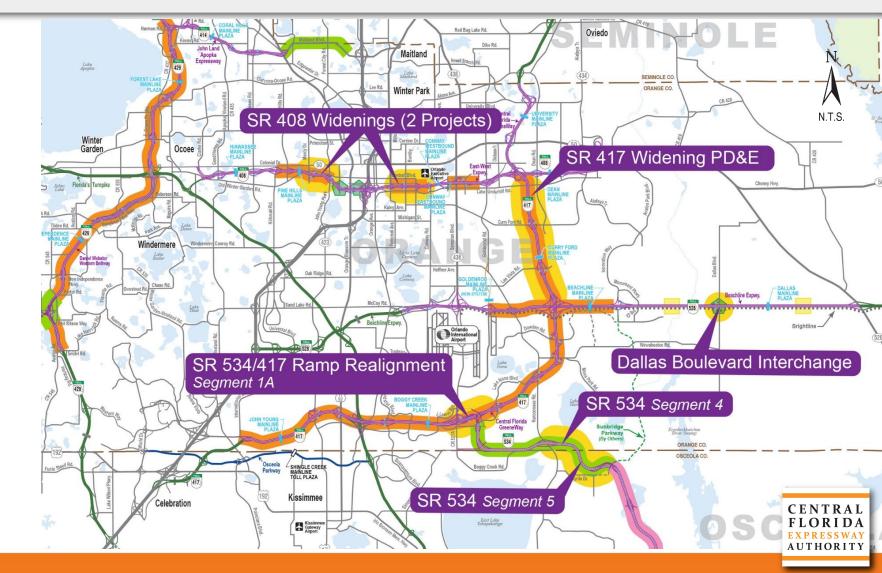
#### SR 534 / SR 417 Ramp Realignment – Segment 1A

#### SR 534 – Segment 4

 Narcoossee Road to Orange/Osceola County Line

#### SR 534 – Segment 5

 Orange/Osceola County Line to Sunbridge Parkway



## SR 417 Widening – PD&E SR 528 to SR 408

- 6 to 8 Lanes
- PTSU

#### Advertisement

• 3<sup>rd</sup> Quarter 2023

### **Study Fee Estimate**

• \$450,000





## **SR 528 & Dallas Boulevard Interchange** *East of Econ River Bridge to East of Dallas Boulevard*

## Planning Phase Now Advertisement

• August 2023

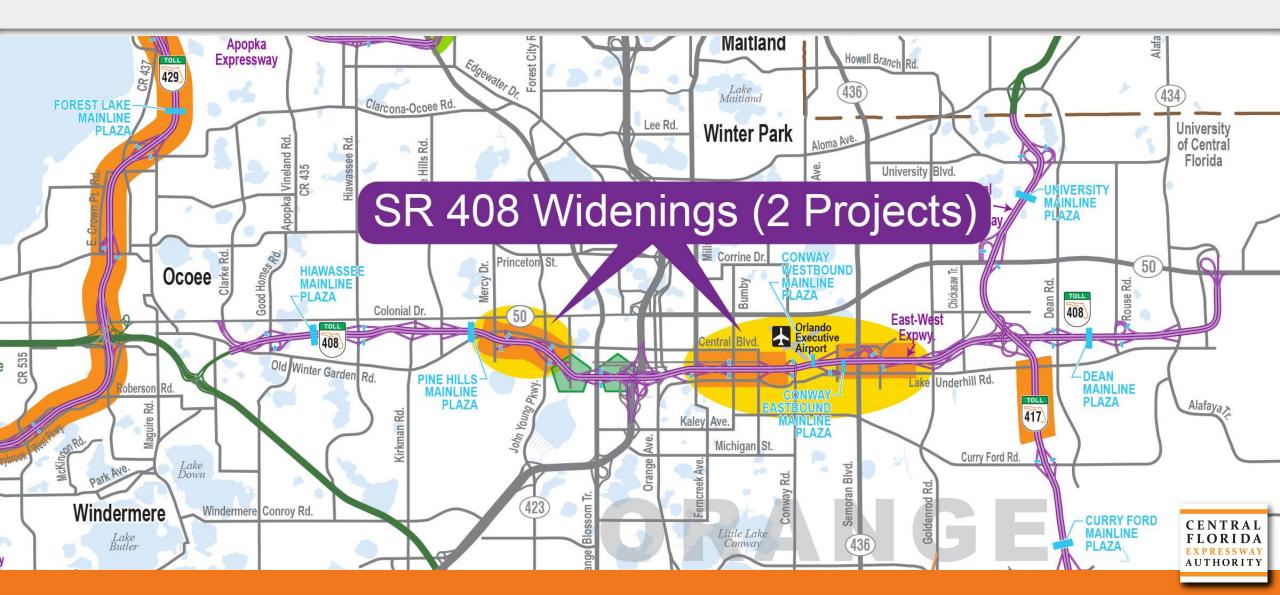
### **Design Fee Estimate**

• \$6.6 Million





## SR 408 Widening (2 Projects)



## **SR 408 Widening** *I-4 to Bumby Avenue* & *West of SR 436 to Goldenrod Road WB*

#### **Planning Phase Now**

• WB Direction Only

#### **Design Fee Estimate**

• \$6.1 million

#### Advertisement

• 4<sup>th</sup> Quarter 2023

Calendar year quarters (dates subject to change)



## SR 408 Widening Kirkman Road to East of Church Street

### **Planning Phase Now**

- Studying both East/West Directions
- 4<sup>th</sup> Through Lane

### Advertisement

• 1<sup>st</sup> Quarter 2024

### **Design Fee Estimate**

• \$11.6 million





## SR 534 – Segment 1A SR 417 SB Ramp Realignment

Additional Lane SB Replace Mainline Plaza with AET Gantry

4.8 Miles Advertisement

• 1<sup>st</sup> Quarter 2024

#### **Design Fee Estimate**

• \$5.3 million





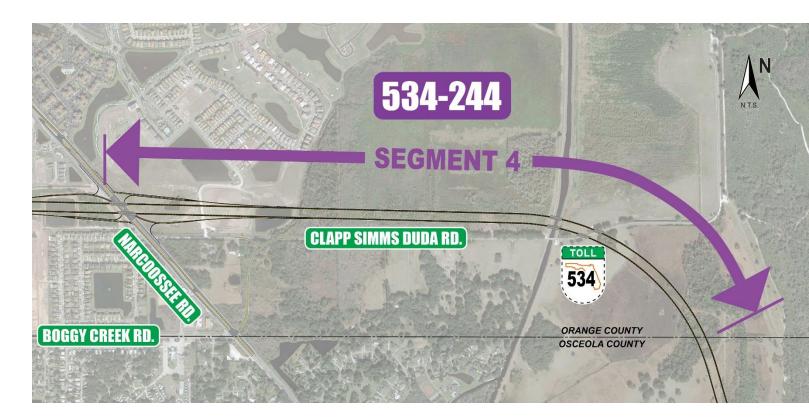
### SR 534 – Segment 4 Narcoossee Road to Orange/Osceola County Line

1.7 Miles – New Expressway Advertisement

• 2<sup>nd</sup> Quarter 2024

**Design Fee Estimate** 

• \$7.4 million





### SR 534 – Segment 5 Orange/Osceola County Line to Sunbridge Parkway

1.6 Miles – New Expressway Advertisement

• 3<sup>rd</sup> Quarter 2024

### **Design Fee Estimate**

• \$6.3 million



## **Questions?**



Jamison Edwards, P.E. CFX Engineering Project Manager

For Marketing Meetings Contact: Melanie Koffler Melanie.Koffler@cfxway.com



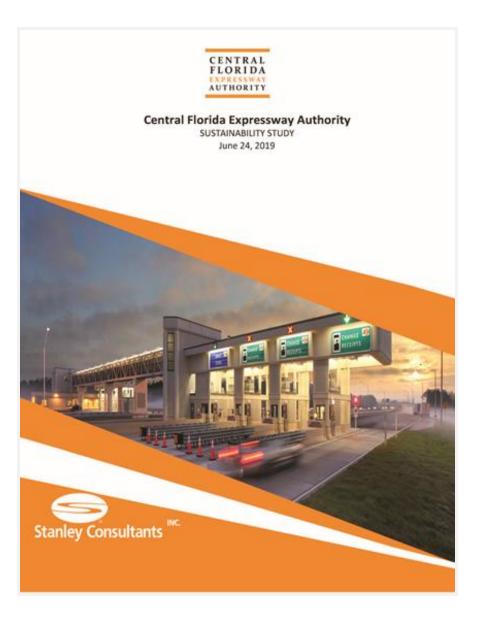


### **Transportation Technology Overview** Bryan Homayouni, P.E. – Director of Intelligent Transportation Systems



# **Sustainability Study**

- Deployment of Photovoltaic (PV) Power Solutions
- Improved Energy Efficiencies at CFX Buildings
- Readiness for Vehicle Electrification



## Sustainability Projects FY 2024-2028 Work Plan

- Six Solar Deployment (PV) Projects
- Includes Solar Deployment Projects at Eight Existing Toll Plaza Facilities
- SR 516 Sustainability Project
- Total capital investment estimated at \$15.9M





## **Current ITS Assets**

- 284 CCTV Cameras
- 189 Data Collection Sensors (DCS)
- 445 Traffic Monitoring Stations (TMS)
- 52 Three Line Dynamic Message Signs (DMS)
- 52 Toll Plaza Dynamic Message Signs (DMS)
- 27 Arterial Dynamic Message Signs (DMS)
- 2 Toll Booth Dynamic Message Signs (DMS)
- 65 Wrong Way Driving (WWD) Detection Stations
- Over 500 miles of Fiber Optic Cable



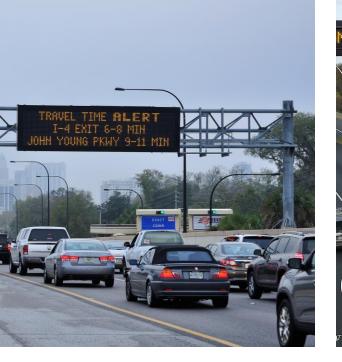
# **ITS Design Details**

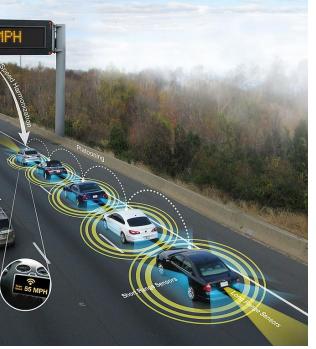
### **Current 11th Edition**

- Updated March 2023
  - Includes Part Time Shoulder Use (PTSU)
  - Includes Wrong Way Driving System











## Transportation Technology FY 2024-2028 Work Plan

#### Construction

• DMS Replacement Project

#### **Design & Construction**

- Wrong Way Driving Deployment Project
- Wrong Way Driving Upgrades Project
- Connected Vehicle Projects
- Miscellaneous ITS Upgrades Project
- Lake Underhill Bridge Lighting Project

#### **Implementation & Installation**

- Lifecycle Equipment Replacements
- Video Wall Upgrades
- Advanced Expressway Operations Performance Measures



# **Questions?**



# Bryan Homayouni, P.E. CFX Director of Intelligent Transportation Systems 407.690.5333 Bryan.Homayouni@cfxway.com





## **Construction Overview** Brent Dustin, P.E. – Construction Project Manager



# **CEI Qualifications**

### **Major Types of Work:**

- 10.1 Roadway Construction
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge and Miscellaneous Structures
- 10.5 Major Bridge (scope dependent)

### **Additional Services:**

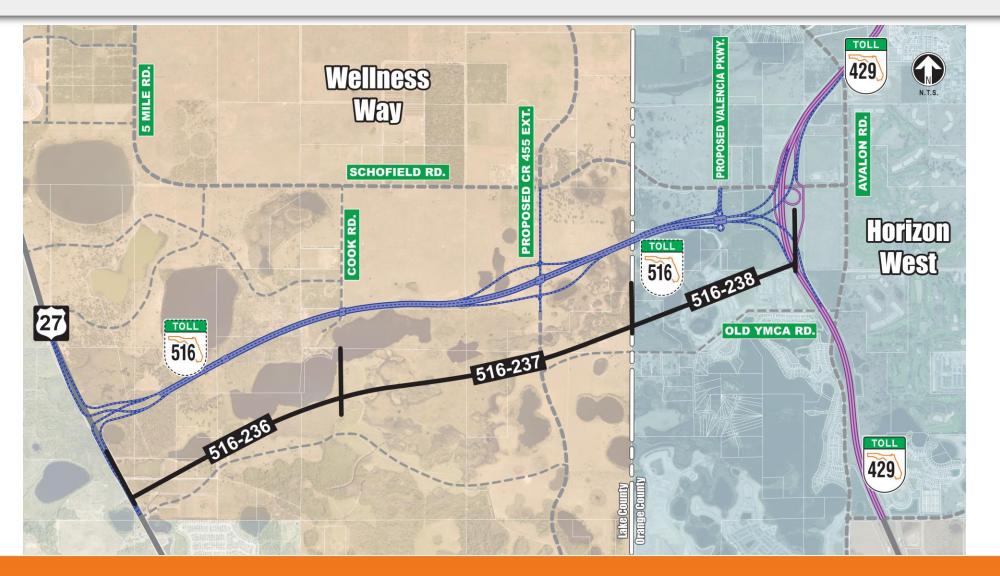
- VT Lab Testing, Asphalt Plant Inspection
- Commercial Inspection
- Dynamic Testing Engineer



## **Status of Major Projects**



### SR 516 Lake/Orange Expressway US 27 to SR 429





### SR 516 Lake/Orange Expressway Lake/Orange County Line to SR 429

- Project (516-238)
- CEI Advertisement:
  - Award at August Board Meeting
- \$207M Construction cost estimate
  - New Expressway (0.6 mi.)
  - Valencia Parkway Interchange (Roundabouts)
  - SR 429 Systems Interchange & Widening
  - 5 New & 4 Widened Bridges
  - 6 New AET Ramp Toll Sites
  - 14' Wide Trail along Valencia Parkway



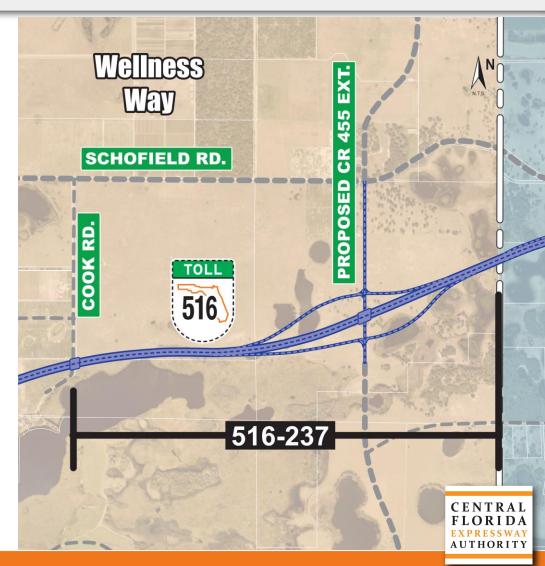
### SR 516 Lake/Orange Expressway US 27 to Cook Road

- Project (516-236)
- CEI Advertisement:
  - 4<sup>th</sup> Quarter 2023
- \$185M Construction cost estimate
  - New Expressway (1.2 mi.)
  - US 27 Re-Construction (1.4 mi.)
  - Free-Flow Interchange at US 27
  - 8 New Bridges (Including trail along SR 516)
  - 14' Wide Trail along SR 516 & US 27
  - In-Road EV Charging Pilot

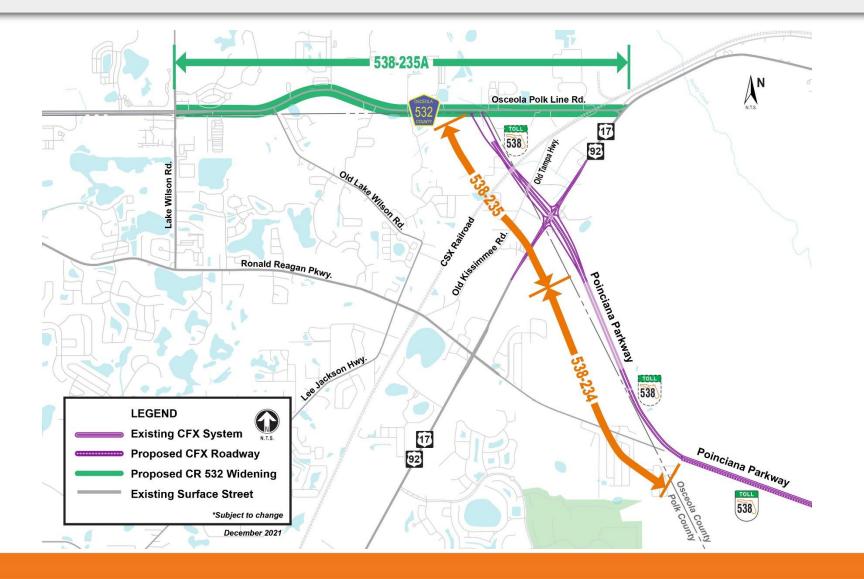


### SR 516 Lake/Orange Expressway Cook Road to Lake/Orange County Line

- Project (516-237)
- CEI Advertisement:
  - 4<sup>th</sup> Quarter 2023
- \$142M Construction cost estimate
  - New Expressway (1.9 mi.)
  - CR 455 Interchange
  - 4 New Bridges
  - 2 New Ramp Toll Sites
  - 14' Wide Trail along SR 516 & CR 455



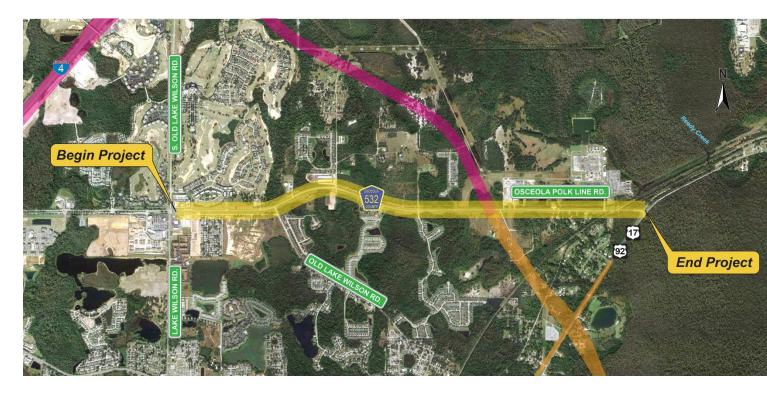
### SR 538 Extension CR 532 to Ronald Reagan Parkway





### CR 532 Widening Lake Wilson Road to US 17/92

- Project (538-235A)
- CEI Advertisement:
  - 1<sup>st</sup> Quarter 2024
- \$39M Construction cost estimate
  - 2 lane to 4 lane divided (2.9 mi.)
  - Partnership with Osceola Co.
  - 10' Trail & 5' Sidewalk
  - CSX Railroad at-grade crossing





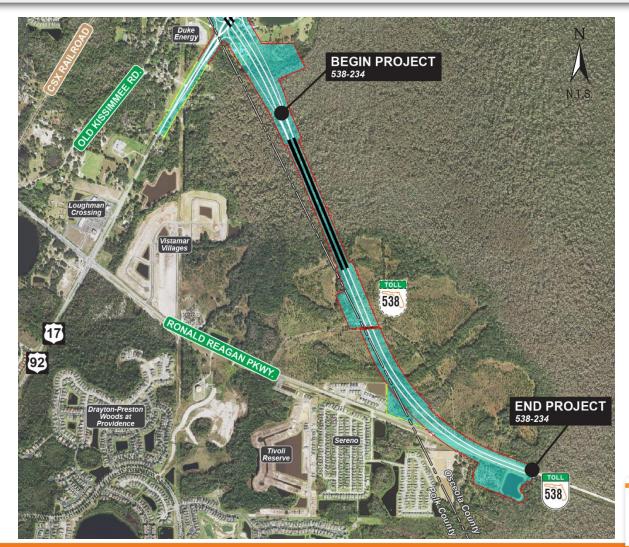
### SR 538 Extension CR 532 to South of US 17/92

- Project (538-235)
- CEI Advertisement:
  - 2<sup>nd</sup> Quarter 2024
- \$117M Construction cost estimate
  - New Expressway
  - 9 Bridges
  - Utility Relocations
  - CSX Railroad
  - FDOT (17/92 Interchange)
  - Toll Gantries



### SR 538 Extension South of US 17/92 to Ronald Reagan Parkway

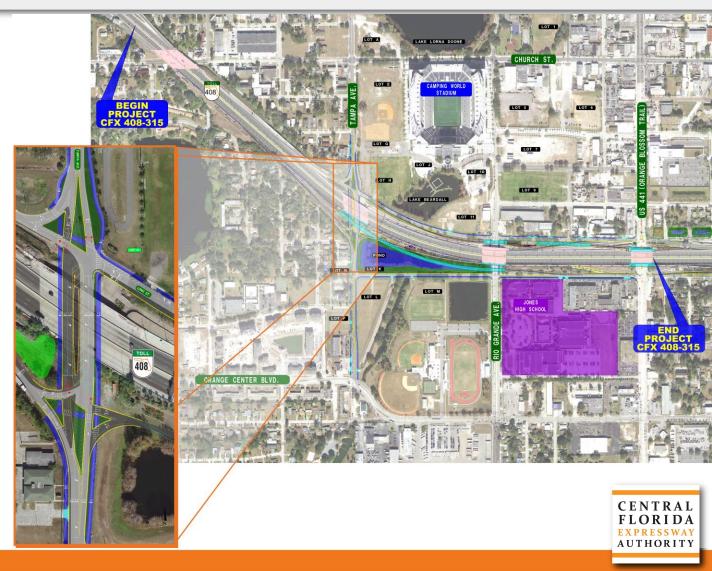
- Project (538-234)
- CEI Advertisement:
  - 3<sup>rd</sup> Quarter 2024
- \$136M Construction cost estimate
  - New Expressway
  - 4 Bridges
  - Reedy Creek Mitigation Bank





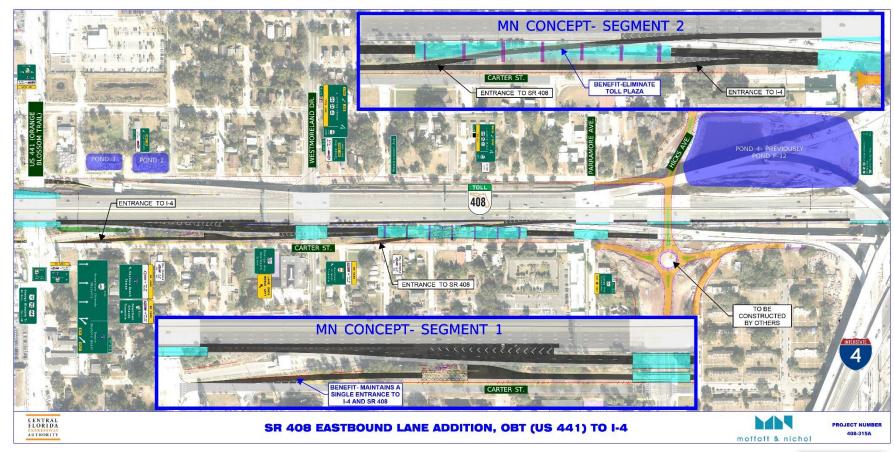
### SR 408 Tampa Avenue Interchange Tampa Avenue to OBT

- Project (408-315)
- CEI Advertisement:
  - 3<sup>rd</sup> Quarter 2024
- \$117M Construction cost estimate
  - Multiple new / widened bridges
  - Add a 4<sup>th</sup> lane eastbound from JYP to OBT
  - New and reconstructed ramps
  - 2 AET ramp toll gantries



# SR 408 Orange Blossom Trail Interchange OBT to I-4

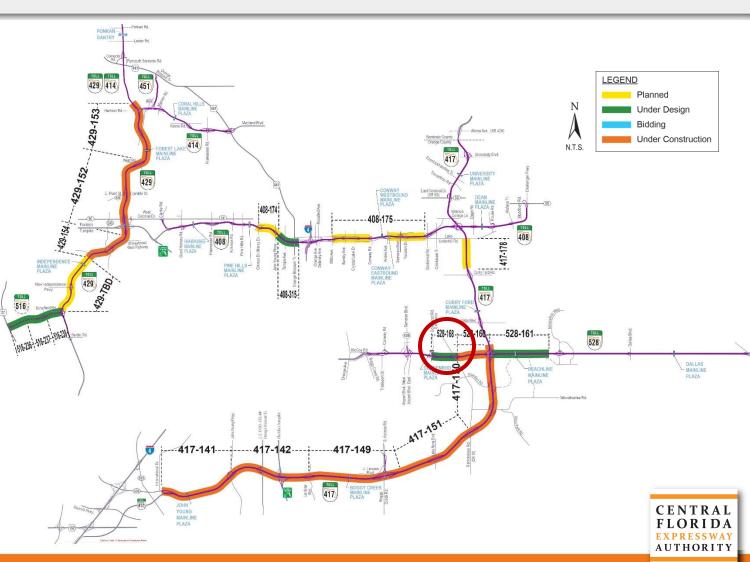
- Project (408-315A)
- CEI Advertisement:
  - 3<sup>rd</sup> Quarter 2024
- \$55M Construction cost estimate
  - Multiple new / widened bridges
  - Add a 4th lane eastbound from OBT to I-4
  - New and reconstructed ramps
  - 1 AET ramp toll gantry





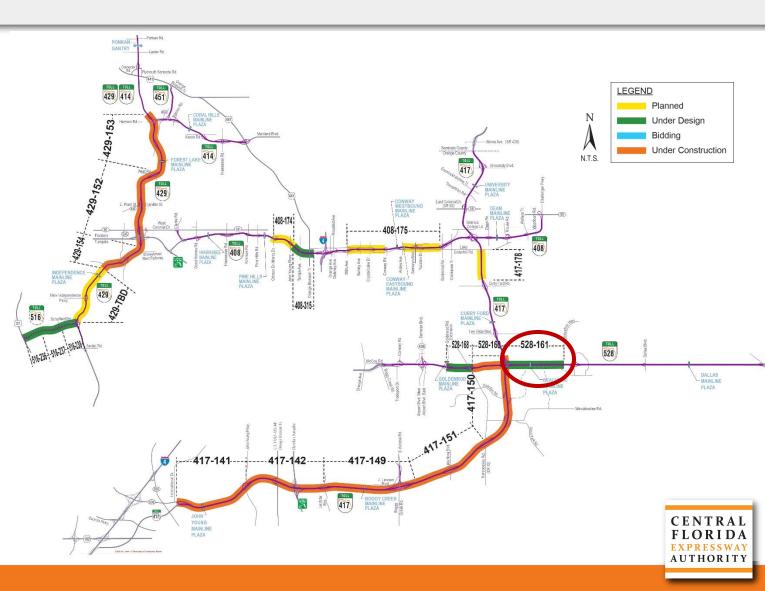
### **SR 528 Widening** *Goldenrod Road to Narcoossee Road*

- Project (528-168)
- CEI Advertisement:
  - 4<sup>th</sup> Quarter 2024
- \$38M Construction cost estimate
  - Multiple widened bridges
  - Inside and Outside widening
  - 6 Lanes to 8 Lanes
  - New and reconstructed ramps
  - Portions of mainline reconstructed



### **SR 528 Widening** *SR 417 to Innovation Way*

- Project (528-161)
- CEI Advertisement:
  - 1<sup>st</sup> Quarter 2025
- \$95M Construction cost estimate
  - Inside and Outside widening
  - 4 Lanes to 6 Lanes
  - Partially reconstructed ramps
  - Portions of mainline reconstructed



### **1 – Year Look Ahead** *CEI Advertisements*

Project #	Description	Construction Cost Estimate	Anticipated CEI Advertisement*	
516-238	SR 516 Lake/Orange County Line to SR 429	\$207 Million	August Board	
516-236	SR 516 US 27 to Cook Road	\$185 Million	4 <sup>th</sup> Quarter 2023	
516-237	SR 516 Cook Road to Lake/Orange County Line	\$142 Million	4 <sup>th</sup> Quarter 2023	
538-235A	CR 532 Widening Lake Wilson Road to US 17/92	\$39 Million	1 <sup>st</sup> Quarter 2024	
538-235	SR 538 Extension South of CR 532 to South of US 17/92	\$117 Million	2 <sup>nd</sup> Quarter 2024	
538-234	SR 538 Extension South of US 17/92 to Ronald Reagan Parkway	\$136 Million	3 <sup>rd</sup> Quarter 2024	
408-315 & 408-315A	SR 408 Tampa Avenue Interchange & SR 408 Orange Blossom Trail Interchange	\$172 Million	3 <sup>rd</sup> Quarter 2024	
528-168	SR 528 Widening Goldenrod Road to Narcoossee Road	\$38 Million	4 <sup>th</sup> Quarter 2024	
-	Systemwide Construction Engineering and Inspection Services	-	3 <sup>rd</sup> Quarter 2023	
*Quarters are "Calendar" Quarters and subject to change.				

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

# 1 – Year Look Ahead

### **Construction Advertisements**

Project #	Description	Construction Cost Estimate
516-238	SR 516 from Lake/Orange County Line to SR 429	\$207 Million
516-236	SR 516 from US 27 to Cook Road	\$185 Million
516-237	SR 516 from Cook Road to Lake/Orange County Line	\$142 Million
538-235A	CR 532 Widening from Lake Wilson Road to US 17/92	\$39 Million
538-235	SR 538 from CR 532 to South of US 17/92	\$117 Million
538-234	SR 538 from South of US 17/92 to Ronald Reagan Parkway	\$136 Million
429-745	SR 429/414 Resurfacing from SR 414 to US 441	\$11 Million
800-904	Goldenrod Road (SR 551) Resurfacing from SR 528 to Lee Vista Blvd	\$3.0 Million
599-770	SR 417 & SR 408 Concrete Coatings	\$2.6 Million



# 1 – Year Look Ahead

### **Construction Advertisements**

Project #	Description	Construction Cost Estimate
528-172	SR 528 West Mainline Gantries	\$6.5 Million
599-170B	Systemwide Water Body Protection Improvements	\$0.67 Million
599-416C	CFX East District Facility Renovation	\$4.7 Million
408-428	CFX HQ Lighting Retro-commissioning	\$0.59 Million
599-426	Systemwide Generator Replacement	\$1.0 Million
599-765	Systemwide Plazas Roof Replacements	\$1.6 Million
599-435	Systemwide Dumb Waiter and Elevator Replacements	\$1.2 Million
429-715	West Road Signal Replacement	\$1.1 Million
	SR 538 Utility Corridor Pre-Works	\$3.0 Million
599-526D	Wrong-Way Driving Countermeasures	\$8.1 Million



## **Questions?**



## **Brent Dustin, P.E.**

Construction Project Manager 407.690.5378 Brent.Dustin@cfxway.com



