



CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

The logo is a white rectangular box with orange horizontal bars at the top and bottom. The text is centered within the box, with 'CENTRAL' and 'FLORIDA' in black, 'EXPRESSWAY' in orange, and 'AUTHORITY' in black.

CFX Industry Forum
- February 17, 2022 -

The background of the banner is a photograph of a highway construction site at sunset. On the left, a large concrete bridge pier stands. In the center, a red crane is positioned on a dirt area. To the right, another bridge pier is under construction, surrounded by scaffolding. A road with some traffic is visible in the middle ground. The sky is a mix of orange, yellow, and blue.

Agenda

- **Procurement Overview** – Aneth Williams, *Director of Procurement*
- **Supplier Diversity Program** – Iranetta Dennis, *Director of Supplier Diversity*
- **Engineering** – Dana Chester, *Manager of Engineering*
- **Transportation Technology Overview** – Bryan Homayouni, *Director of ITS*
- **Construction Oversight** – Jack Burch, *Resident Engineer/Construction Manager*
- **CFX Design Guidelines Update** – Jamison Edwards, *Project Manager*



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.

01

Roadway & Bridge Construction

02

Facilities & Operations

03

Design Professional Services

04

Commodities & Contractual Services

Procurement E-Registration



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

And much more.....

A screenshot of the Vendor Registry website for the Central Florida Expressway Authority. The page is titled "Registration" and includes a welcome message. It features a registration form with fields for Title, First Name, Last Name, Company Name, DBA (Doing Business As), and Email Address. A sidebar on the right contains a chat window with a user named Megan, Lee Ann, Keely and a "Write a message" input field. The page also includes a link to log in for existing users.

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

Solicitations & Public Records

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



Competitive Sealed Bids



Competitive Sealed Proposals



Selection of Design Professional Consultants

CENTRAL
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AUTHORITY

powered by  Vendor Registry

Solicitations From Central Florida Expressway Authority

Current

Expired

No Deadline

Register 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.

REGISTER MY BUSINESS

Print Results

Type	Description	Status	ID #	Deadline	Pre-Bid Meeting	Docs
Sealed Solicitation	CEI SERVICES FOR SR 417 WIDENING BOGGY CREEK TO NARCOOSSEE; PROJECT NO. 417-151	Open	LOI 001750	2/9/2021 1:30 PM		1
Sealed Solicitation	DESIGN SERVICES FOR SR 528 WIDENING FROM GOLDENROD ROAD TO NARCOOSSEE ROAD	Open	LOI 001742	1/4/2021 1:30 PM		1
Quote	TREASURY CUSTODY SERVICES	Open	RFQ21002	12/16/2020 12:00 PM		2

© Copyright Vendor Registry 2020 | [Terms of Service](#) | [Privacy Policy](#)

Questions?



Aneth Williams

CFX Director of Procurement

Aneth.Williams@cfxway.com



Supplier Diversity Program

Iranetta Dennis - Director of Supplier Diversity

Who Participates



D / M / WBE Program

Firms certified by:

- City of Orlando
- Orange County
- FDOT



SSBE Program

Companies are registered with CFX as a SSBE firm



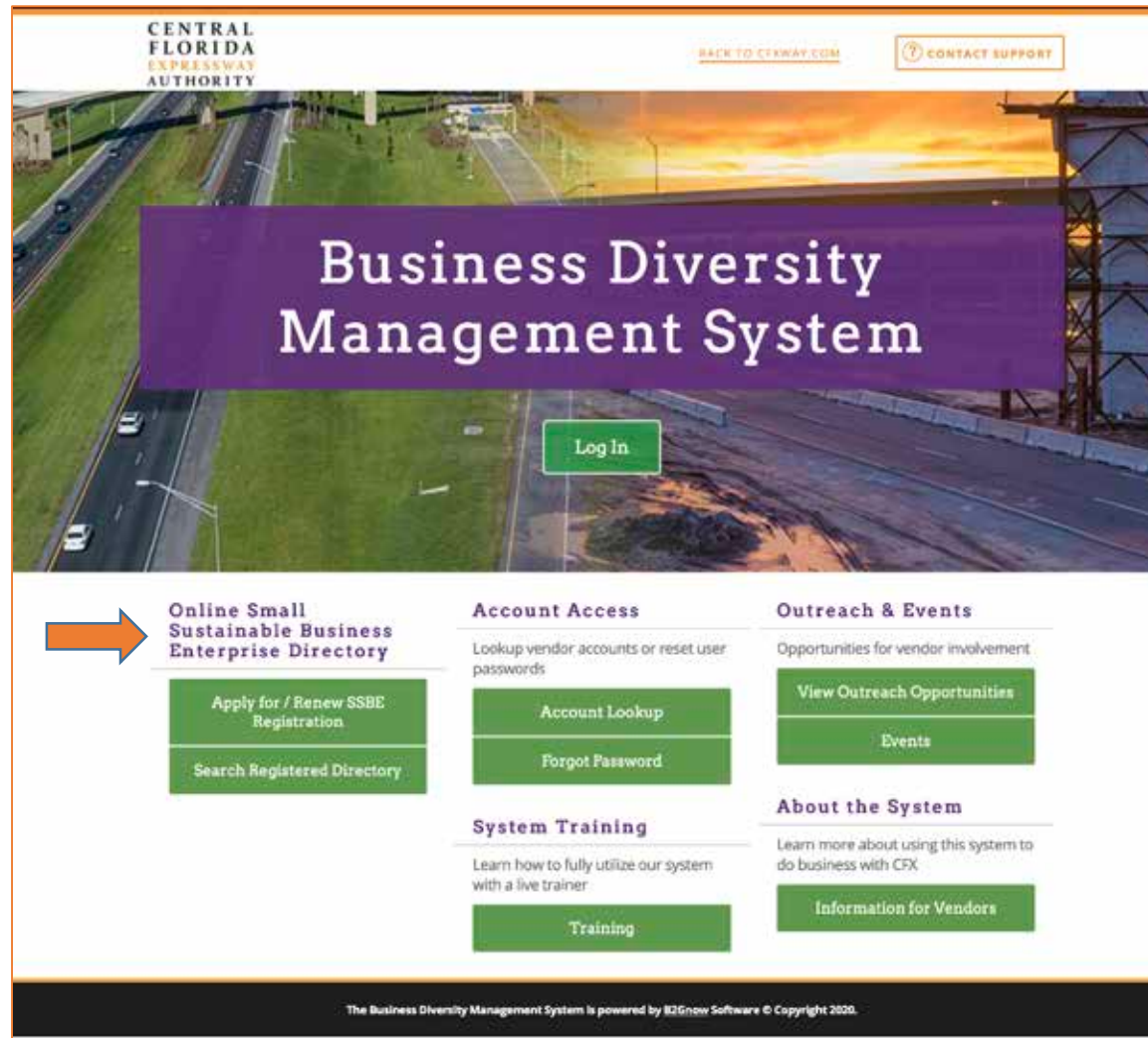
DBE Program

Firms certified by Florida Unified Certification Program

CFX FY20 & 21 D / M / WBE Contract Award

Fiscal Year	Total Award Amount	Total Minority Award Amount	Percentage of Utilization
2020	\$240,918,991.64	\$42,242,460.15	18%
2021	\$508,255,186.12	\$78,509,170.31	15%

Business Diversity Management System



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

[BACK TO CFXWAY.COM](#) [CONTACT SUPPORT](#)

Business Diversity Management System

[Log In](#)

Online Small Sustainable Business Enterprise Directory

[Apply for / Renew SSBE Registration](#)

[Search Registered Directory](#)

Account Access

Lookup vendor accounts or reset user passwords

[Account Lookup](#)

[Forgot Password](#)

Outreach & Events

Opportunities for vendor involvement

[View Outreach Opportunities](#)

[Events](#)

System Training

Learn how to fully utilize our system with a live trainer

[Training](#)

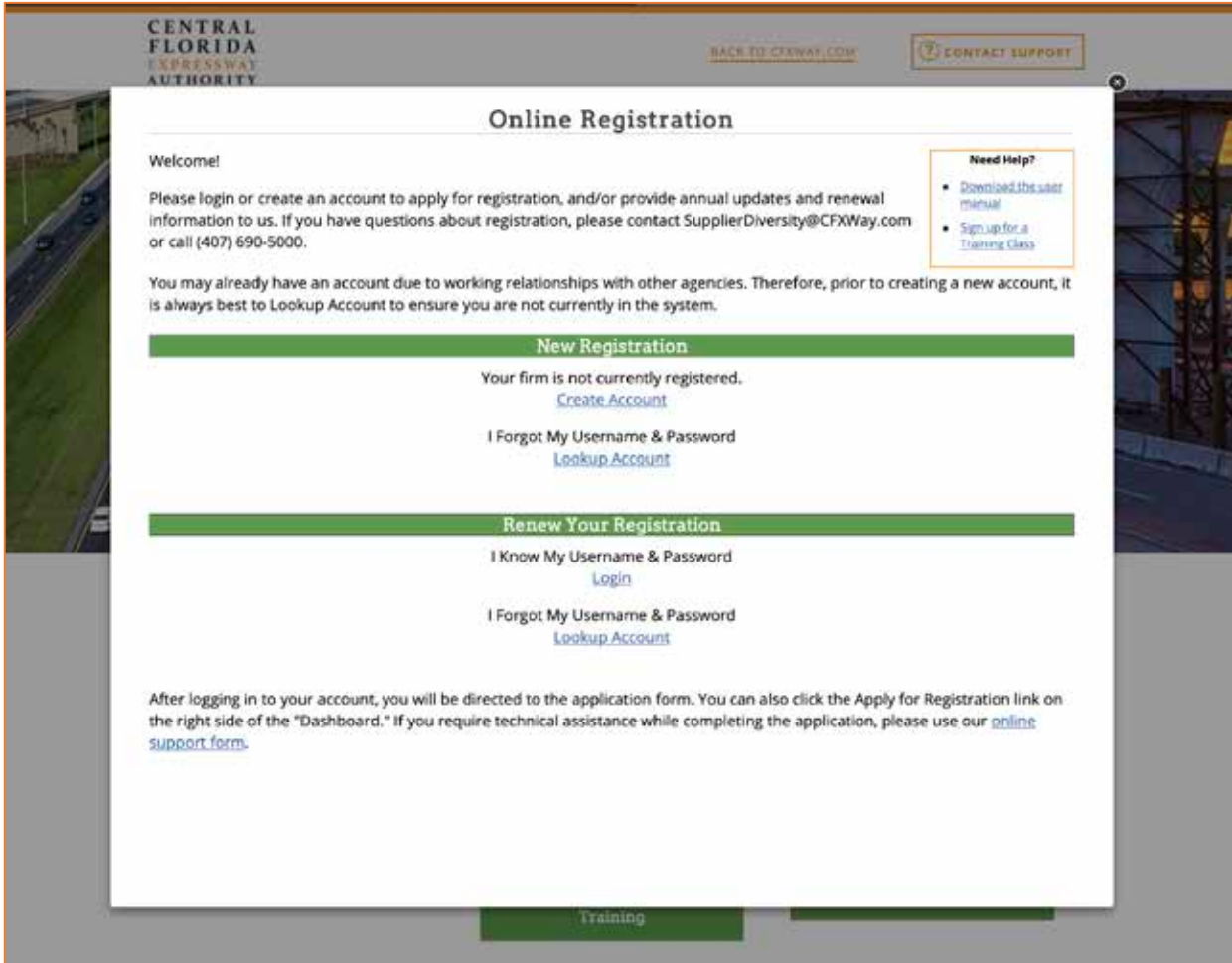
About the System

Learn more about using this system to do business with CFX

[Information for Vendors](#)

The Business Diversity Management System is powered by B2Gnow Software © Copyright 2020.

Online Small Sustainable Business Enterprise Directory (SSBE)



The screenshot shows the 'Online Registration' page of the Central Florida Expressway Authority. The page has a header with the authority's name and a 'CONTACT SUPPORT' button. The main content area is titled 'Online Registration' and includes a 'Welcome!' message. It provides instructions for logging in or creating an account, and a 'Need Help?' section with links to 'Download the user manual' and 'Sign up for a Training Class'. The page is divided into two main sections: 'New Registration' and 'Renew Your Registration'. The 'New Registration' section includes links for 'Create Account' and 'Lookup Account'. The 'Renew Your Registration' section includes links for 'Login' and 'Lookup Account'. At the bottom, there is a 'Training' button and a paragraph explaining the next steps after logging in.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

[BACK TO CFXWAY.COM](#) [CONTACT SUPPORT](#)

Online Registration

Welcome!

Please login or create an account to apply for registration, and/or provide annual updates and renewal information to us. If you have questions about registration, please contact SupplierDiversity@CFXWay.com or call (407) 690-5000.

You may already have an account due to working relationships with other agencies. Therefore, prior to creating a new account, it is always best to Lookup Account to ensure you are not currently in the system.

New Registration

Your firm is not currently registered.
[Create Account](#)

I Forgot My Username & Password
[Lookup Account](#)

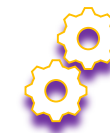
Renew Your Registration

I Know My Username & Password
[Login](#)

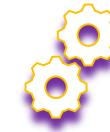
I Forgot My Username & Password
[Lookup Account](#)

After logging in to your account, you will be directed to the application form. You can also click the Apply for Registration link on the right side of the "Dashboard." If you require technical assistance while completing the application, please use our [online support form](#).

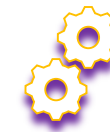
[Training](#)



Apply for SSBE Registration

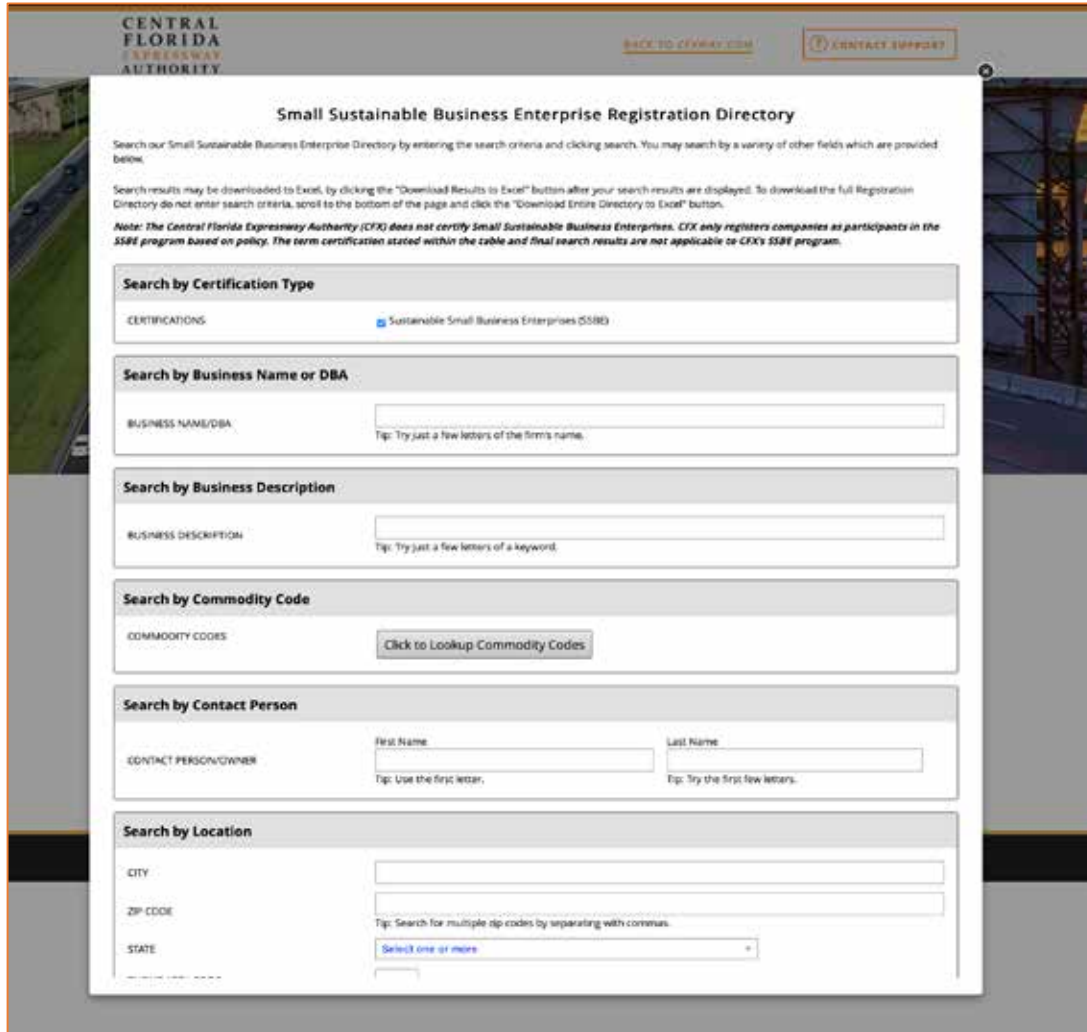


Renew Your Registration



Online Support

Online Small Sustainable Business Enterprise Directory (SSBE)



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

[BACK TO CFEXWAY.COM](#) [CONTACT SUPPORT](#)

Small Sustainable Business Enterprise Registration Directory

Search our Small Sustainable Business Enterprise Directory by entering the search criteria and clicking search. You may search by a variety of other fields which are provided below.

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 SSBE 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

CERTIFICATIONS: ☒ Sustainable Small Business Enterprises (SSBE)

Search by Business Name or DBA

BUSINESS NAME/DBA:
Tip: Try just a few letters of the firm's name.

Search by Business Description

BUSINESS DESCRIPTION:
Tip: Try just a few letters of a keyword.

Search by Commodity Code

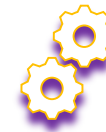
COMMODITY CODES:

Search by Contact Person

CONTACT PERSON/OWNER: First Name Last Name
Tip: Use the first letter. Tip: Try the first few letters.

Search by Location

CITY:
ZIP CODE:
Tip: Search for multiple zip codes by separating with commas.
STATE:



Search Criteria Types

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

Questions?



Iranetta Dennis

CFX Director of Supplier Diversity

Iranetta.Dennis@cfxway.com



Upcoming Design Projects - Engineering

Dana Chester, P.E. - Manager of Engineering

Design Team Requirements

Prime Firm Requirements:

- Prime executes at least 55% of the contract
- Utilize D/M/WBE Firms
 - 0 – 12 Points on Letters of Interest (LOI) scoring

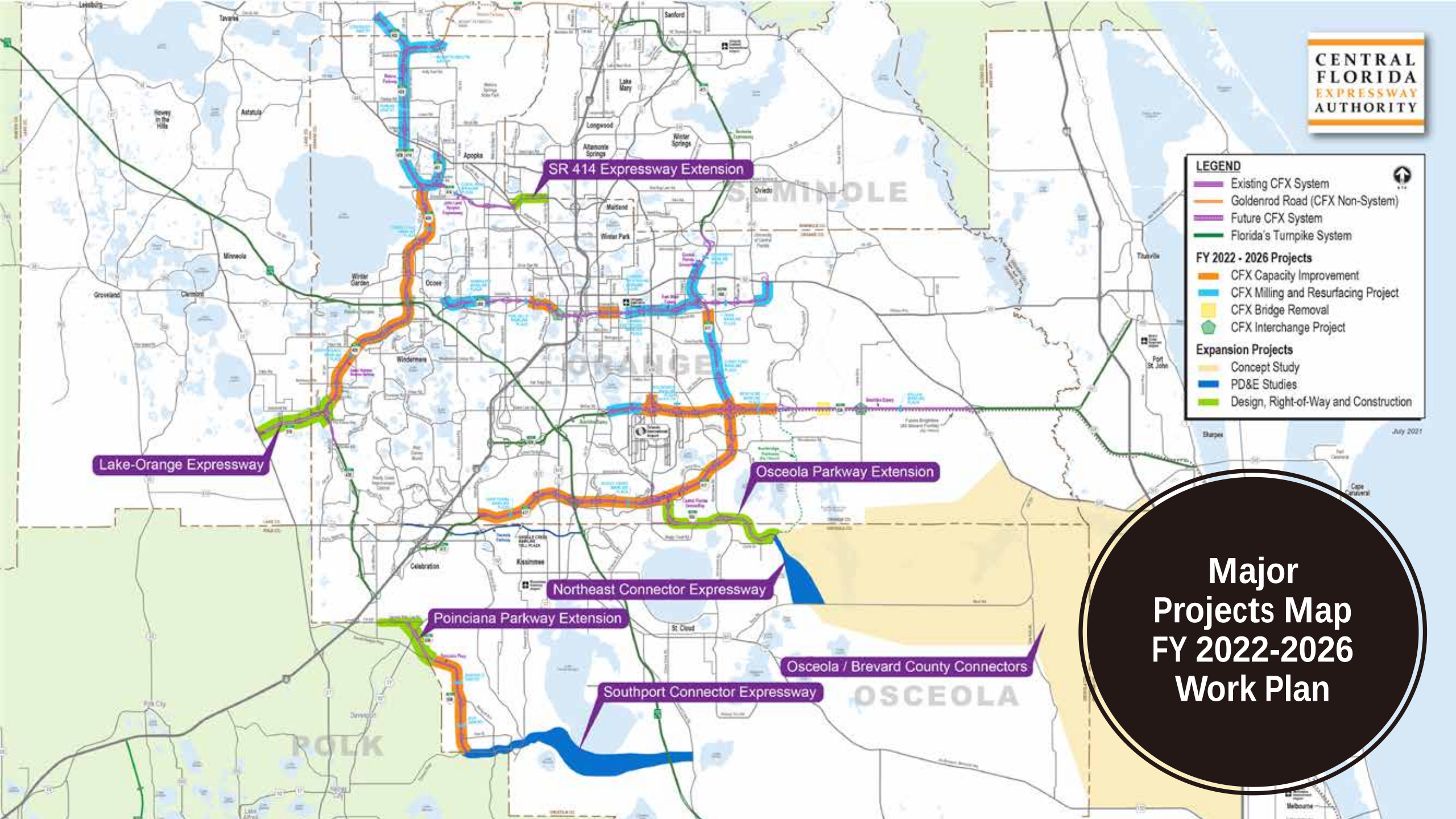
Key Local Resources:

- Prime Project Manager
- Roadway Lead
- Drainage/Permitting Lead



FY 2022-2026 Work Plan

Project Cost Summary (\$000's) Category	Fiscal Year					Totals
	2021/22	2022/23	2023/24	2024/25	2025/26	
Existing System Improvements	358,209	453,058	289,189	147,654	94,371	1,342,481
System Expansion Projects	90,555	223,941	361,448	352,251	410,989	1,439,184
Interchange Projects	3,937	9,790	39,698	82,064	14,348	149,837
Facilities Projects	15,496	13,365	7,612	9,480	5,382	51,335
Transportation Technology Projects	10,138	7,800	3,410	1,497	3,258	26,103
Information Technology Projects	49,855	11,241	2,707	2,180	2,180	68,163
Signing and Pavement Markings	9,438	11,794	1,981	4,086	2,376	29,675
Renewal and Replacement Projects	39,480	23,824	16,099	8,658	15,604	103,665
Landscape Projects	80	1,463	1,418	109	1,478	4,548
Non-System Projects	19	348	0	140	1,884	2,391
TOTALS	577,207	756,624	723,562	608,119	551,870	3,217,382



Major Projects Map FY 2022-2026 Work Plan

Upcoming Design Projects

SR 534 (4 projects)

- Osceola Parkway Extension Segments 1, 3, 2, and 1A (SR 417 to Narcoossee Road)

SR 414 Expressway Extension

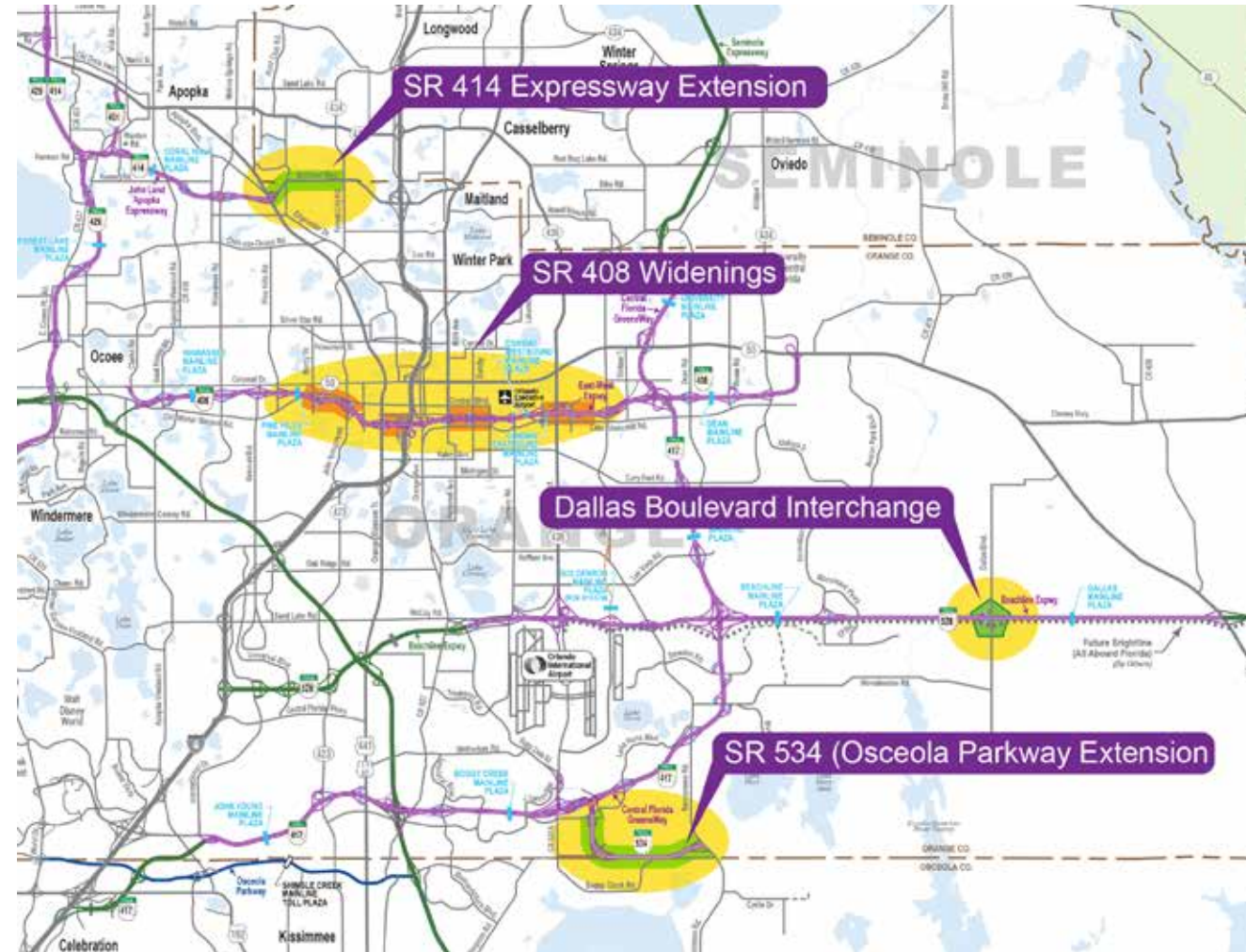
- US 441 to SR 434

SR 408 Widenings (3 Projects)

- Orange Blossom Trail to I-4 (EB)
- SR 436 to Goldenrod Rd/Mills Ave to Bumby Ave (WB)
- Pine Hills Plaza to Church Street (EB)

SR 528 Dallas Blvd Interchange

- New Interchange and Improvements to Dallas Boulevard



Calendar year quarters (dates subject to change)

SR 534 (Total of 5 Segments)

SR 417 to Narcoossee Road



SR 534 – Segment 1

SR 417 to Laureate Boulevard

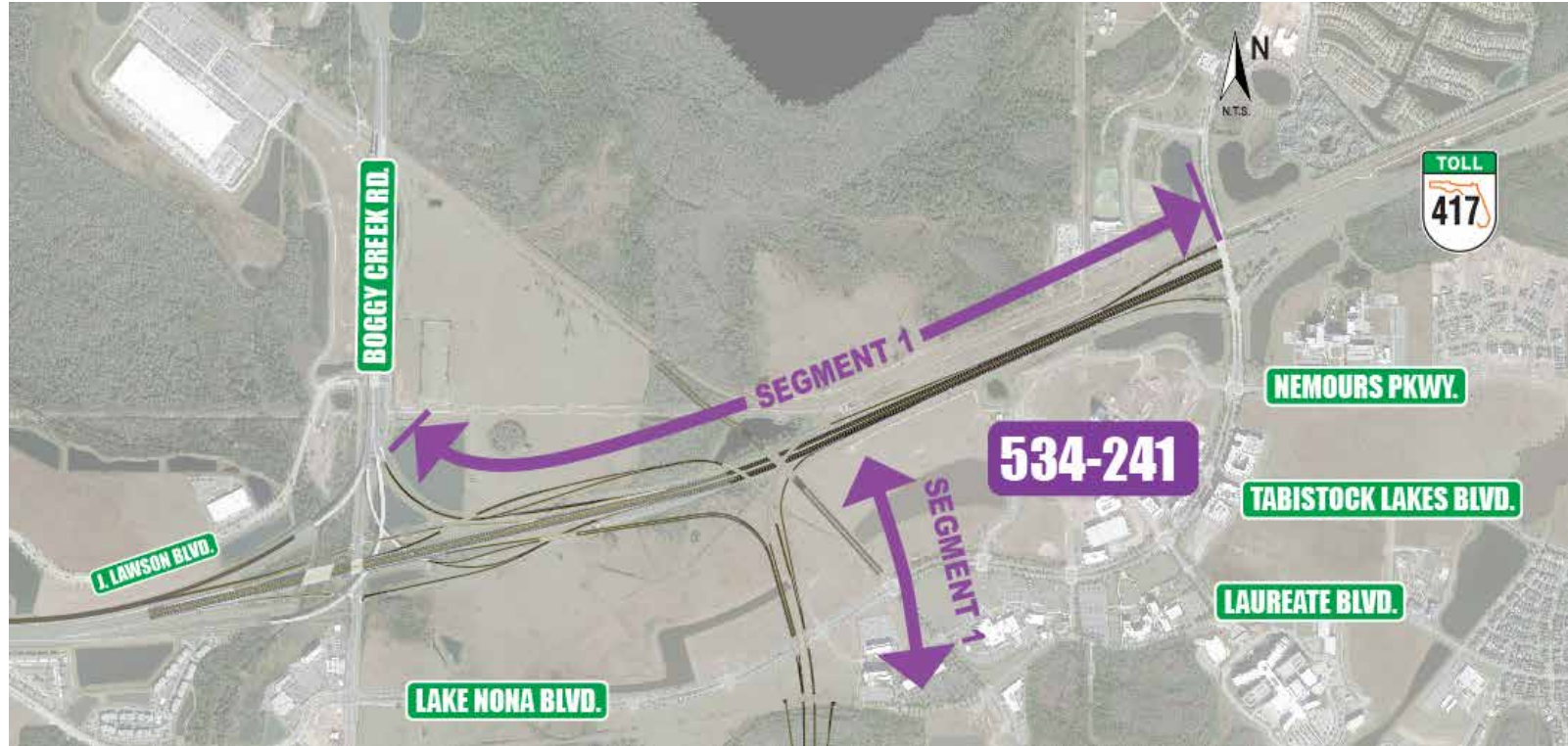
Project No. 534-241

- New Systems Expressway Advertisement

- March 20th, 2022

Design Fee Estimate

- \$12 Million



SR 534 – Segment 3

East of Jim Branch Creek to Narcoossee Road

Project No. 534-243

- 2.2 Miles
- New Expressway

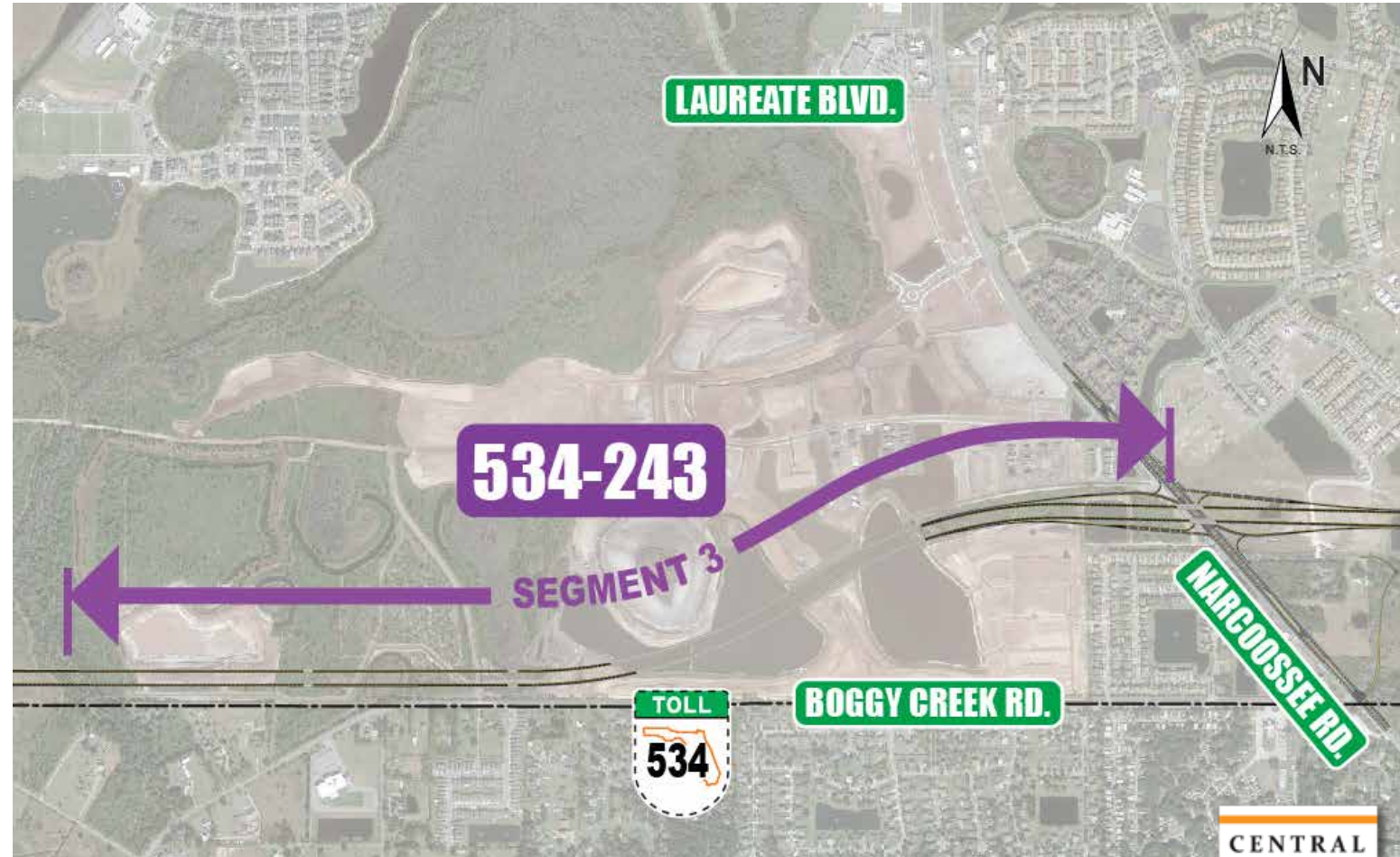
Advertisement

- 2nd Quarter 2022

Design Fee Estimate

- \$10 Million

Calendar year quarters (dates subject to change)



SR 534 – Segment 2

Laureate Boulevard to East of Jim Branch Creek

Project No. 534-240

- 2.2 Miles
- New Expressway

Advertisement

- 3rd Quarter 2022

Design Fee Estimate

- \$6 Million



SR 534 – Segment 1A

SR 417 SB Ramp Extension

Project No. 534-240

- 3.1 Miles
- New Ramp By-Pass

Advertisement

- 4th Quarter 2022

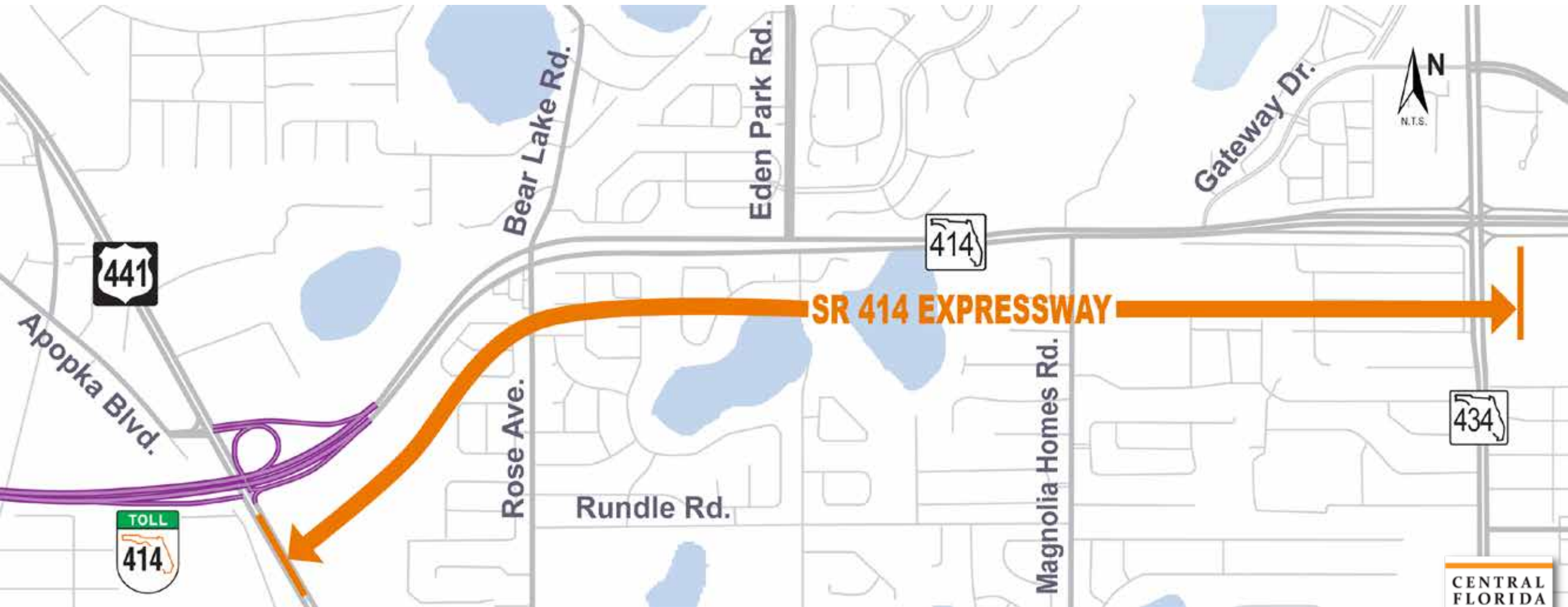
Design Fee Estimate

- \$5 Million



SR 414 Expressway

US 441 to SR 434



SR 414 Expressway

US 441 to SR 434

PD&E Final Draft

- Public Hearing in 2nd Quarter

Advertisement

- 3rd Quarter 2022

Design Fee Estimate

- \$20 Million

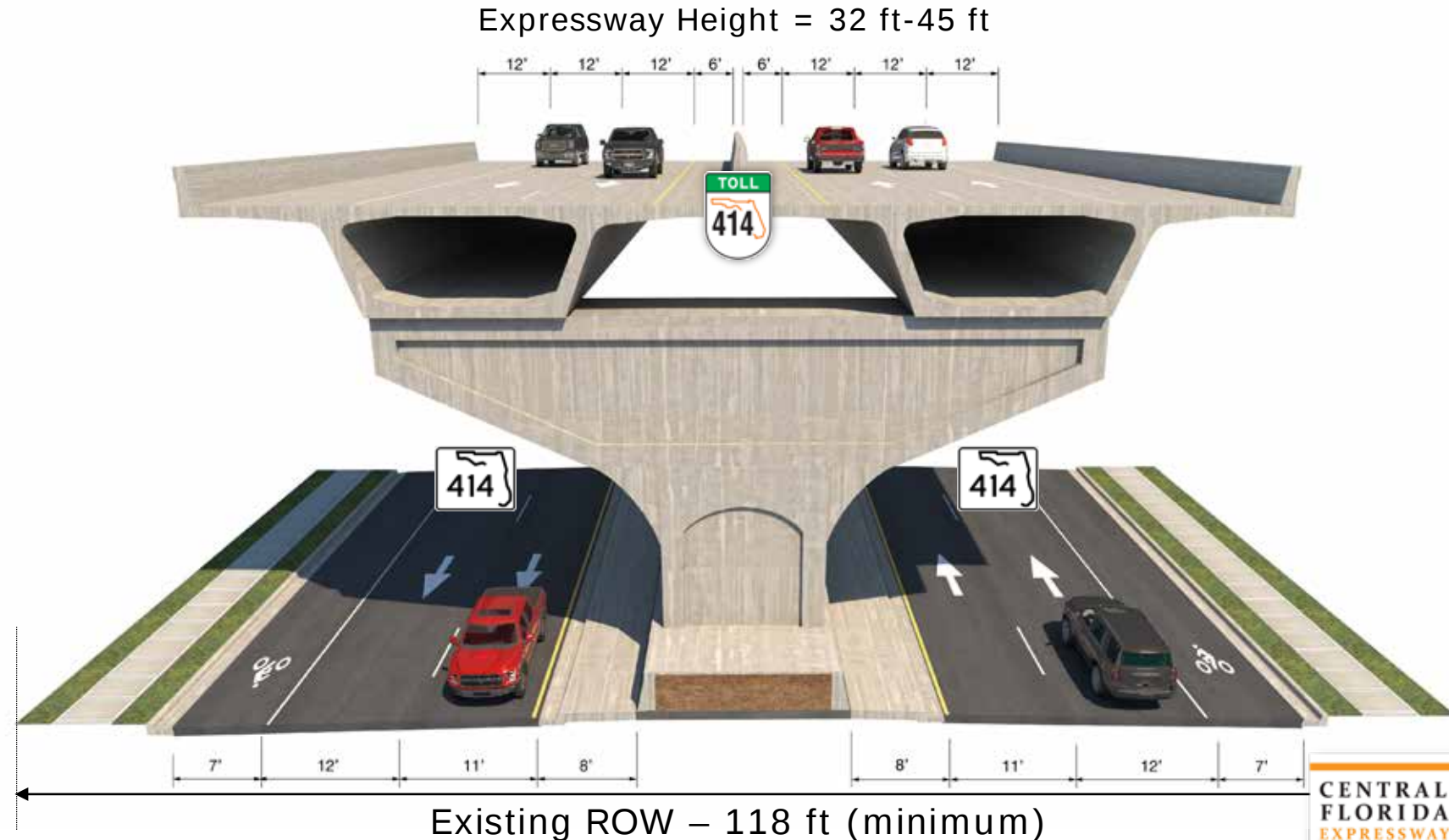


SR 414 Expressway

US 441 to SR 434

Typical Section

- PD&E Recommended Alternative
- Segmental Bridge
- Four 12' Lanes w/ 12' Shoulders



SR 408 Widenings (3 Projects)



SR 408 EB 4th Lane Addition - Project 1

OBT (US 441) to I-4 EB

Project No. 408-315 A New Project

- EB Direction Only

Advertisement

- March 13th, 2022

Design Fee Estimate

- \$3 Million



SR 408 Widening – Project 2

Mills Avenue to Goldenrod Road WB

Planning Phase Now

- WB Direction Only

Design Fee Estimate

- \$3 Million

Advertisement

- 2nd Quarter 2022

Calendar year quarters (dates subject to change)



SR 408 Widening – Project 3

West of Pine Hills Plaza to East of Church Street EB

Planning Phase Now

- EB Direction Only
- 4th Through Lane

Advertisement

- 3rd Quarter 2022

Design Fee Estimate

- \$3 Million



SR 528 & Dallas Boulevard Interchange

East of Econ River Bridge to East of Dallas Boulevard

Advertisement

- 4th Quarter 2022

Design Fee Estimate

- \$4 Million



Get Started

- Read the Current Work Plan
- Pick your Projects
- Pick your Team
- Be flexible
- Check the Monthly Board Report for upcoming projects

The following items are for information only and are subject to change:

B. The following is a list of anticipated advertisements (3-4 month look ahead)

1. 408-128A: SR 408 Dynamic Messaging Signs and ITS Improvements
2. 408-167: SR 408 Lighting Replacements (LAMS System) from I-4 to SR 417 - Construction
3. 408-315A: SR 408 East Bound Widening between US 441 and I-4 - Design
4. 408-430: CFX HQ 2nd Floor Renovations
5. 417-760: SR 417 Resurfacing between SR 528 and Curry Ford Road – Construction
6. 429-427: Independence Mainline Photovoltaics Deployment – Design/Build
7. 451-767: SR 451 Resurfacing – Construction
8. 528/SR 436 Interchange Landscape

Questions?



Dana Chester, P.E.

CFX Manager of Engineering

Dana.Chester@cfxway.com



Transportation Technology Overview

Bryan Homayouni, P.E. - Director of ITS

Transportation Technology and Sustainability



- **Maintain and Expand Existing ITS Infrastructure**
- **Sustainability Study**
- **Summary of Current Work Plan**
- **ITS Master Plan**



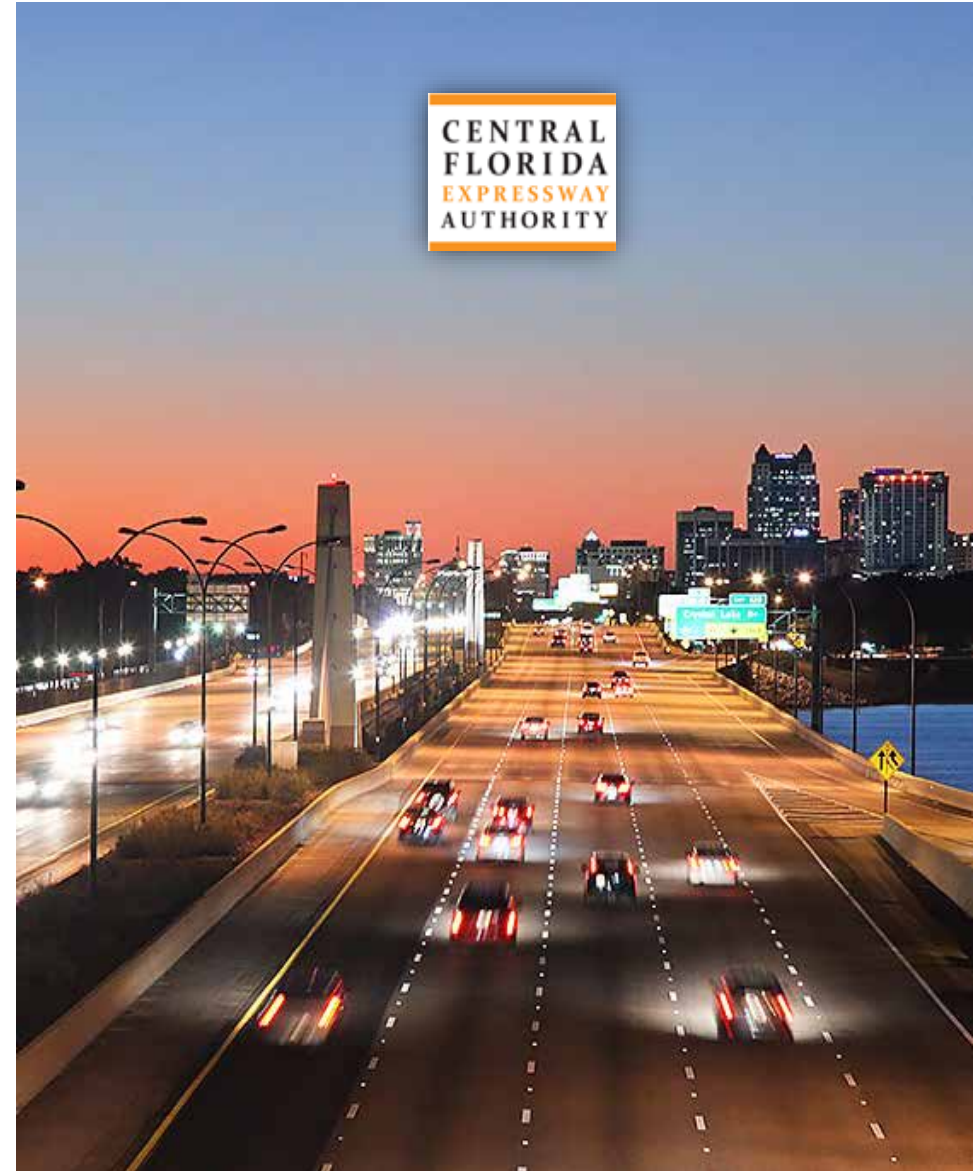
Current ITS Assets

- 283 CCTV Cameras
- 189 Data Collection Sensors (DCS)
- 445 Traffic Monitoring Stations (TMS)
- 50 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)
- 63 Wrong Way Driving (WWD) Detection Stations
- Over 500 miles of Fiber Optic Cable

ITS Design Details

- **Current 10th Edition**
 - Updated February 2022 – ITS Design Details
 - Includes Part Time Shoulder Use (PTSU)
 - Includes Wrong Way Driving System

<https://www.cfxway.com/cfx-design-standards/>



Sustainability Study

- Board Approved April 2019
- Key Elements
 - Deployment of Photovoltaic (PV) Power Solutions
 - Improved Energy Efficiencies at CFX Buildings
 - Readiness for Vehicle Electrification



Central Florida Expressway Authority
SUSTAINABILITY STUDY
June 24, 2019



A large floating solar array is shown on a body of water. The array consists of many rectangular solar panels arranged in rows. A person wearing a yellow safety vest and a white hard hat is standing on the array. In the background, there are trees and a white pickup truck parked on a grassy area.

Sustainability Projects FY 2022-2026 Work Plan

- Five Solar Deployment (PV) Projects (Facilities Projects Summary Page)
- Includes Solar Deployment Projects at Eight Toll Plaza Facilities
- Total capital investment estimated at \$10.3M
- Total estimated lifetime benefit of +/- \$25.0M



Transportation Technology FY 2022-2026 Work Plan

- Construction
 - DMS Replacement Project
- Design & Construction
 - Wrong Way Driving Deployment Project
 - Connected Vehicle Projects
- Implementation & Installation
 - Lifecycle Equipment Replacements
 - Advanced Expressway Operations Performance Measures
 - Fiber Installation



Questions?



Bryan Homayouni, P.E.

CFX Director of ITS

Bryan.Homayouni@CFXway.com



Construction Overview

Jack Burch, PE – Resident Engineer / Construction Manager

CEI Team Qualifications

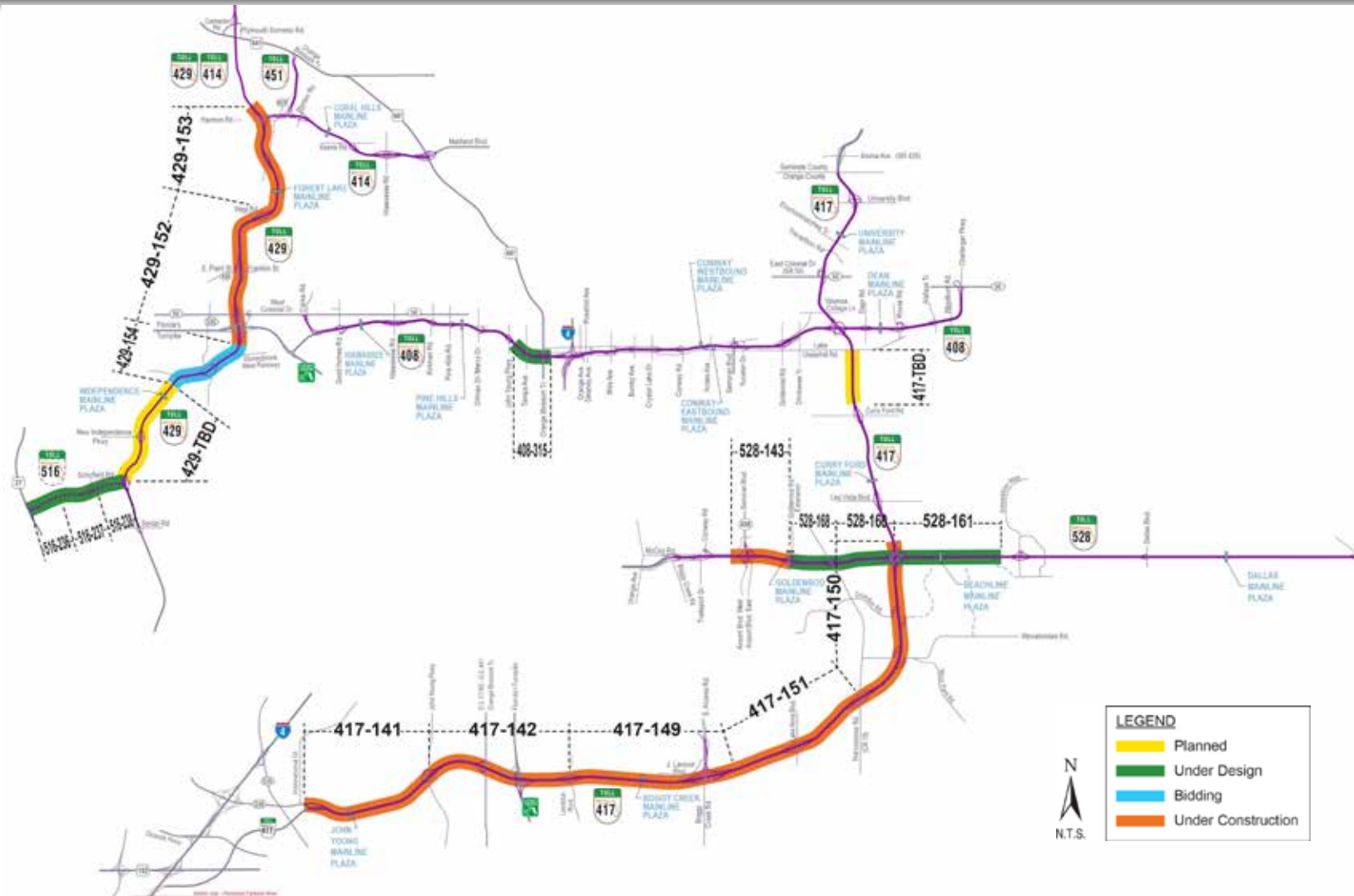
Major Types of Work:

- 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 408 Tampa Avenue Interchange

Tampa Avenue to Orange Blossom Trail

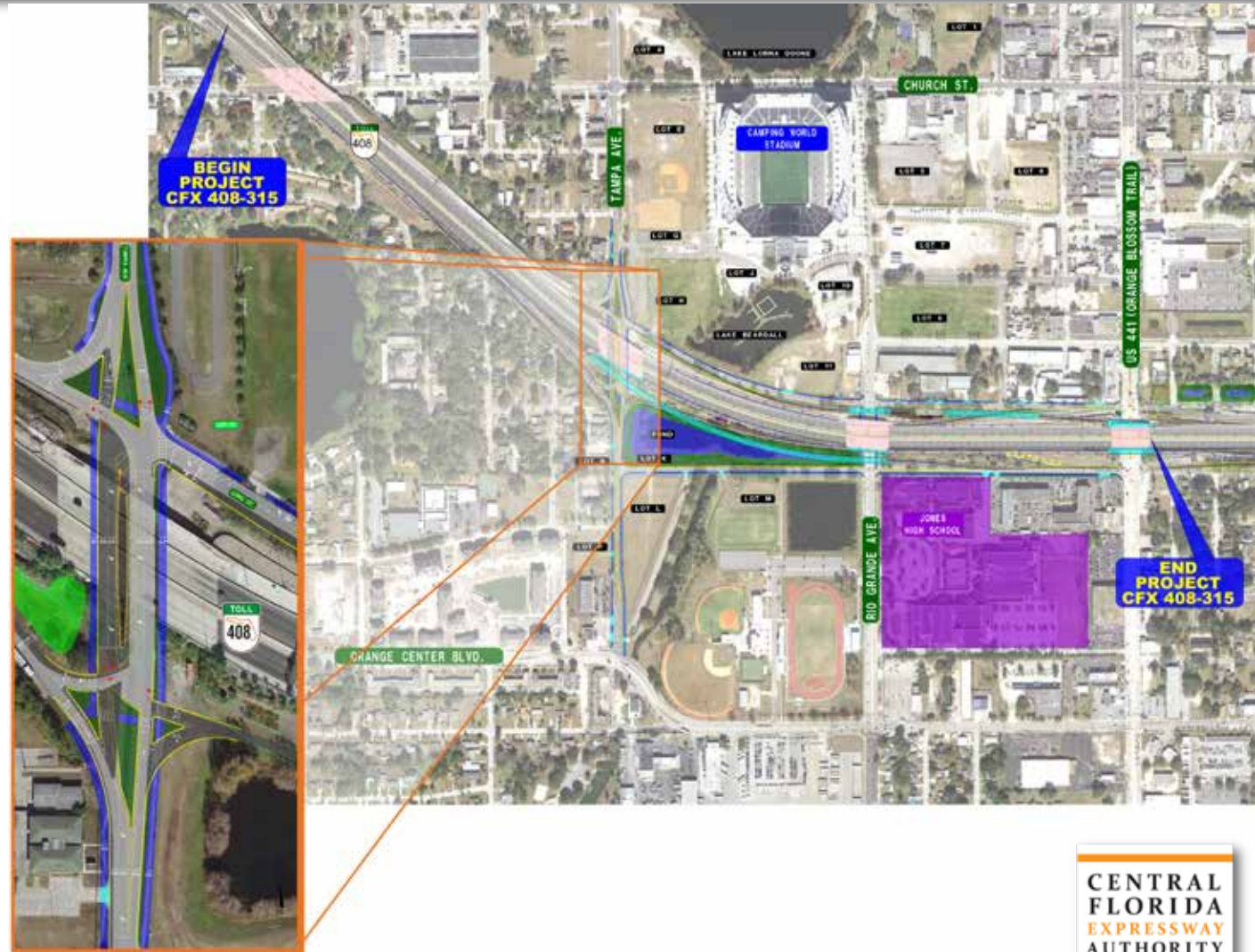
Project (408-315)

Advertisement:

- 4th Quarter 2022

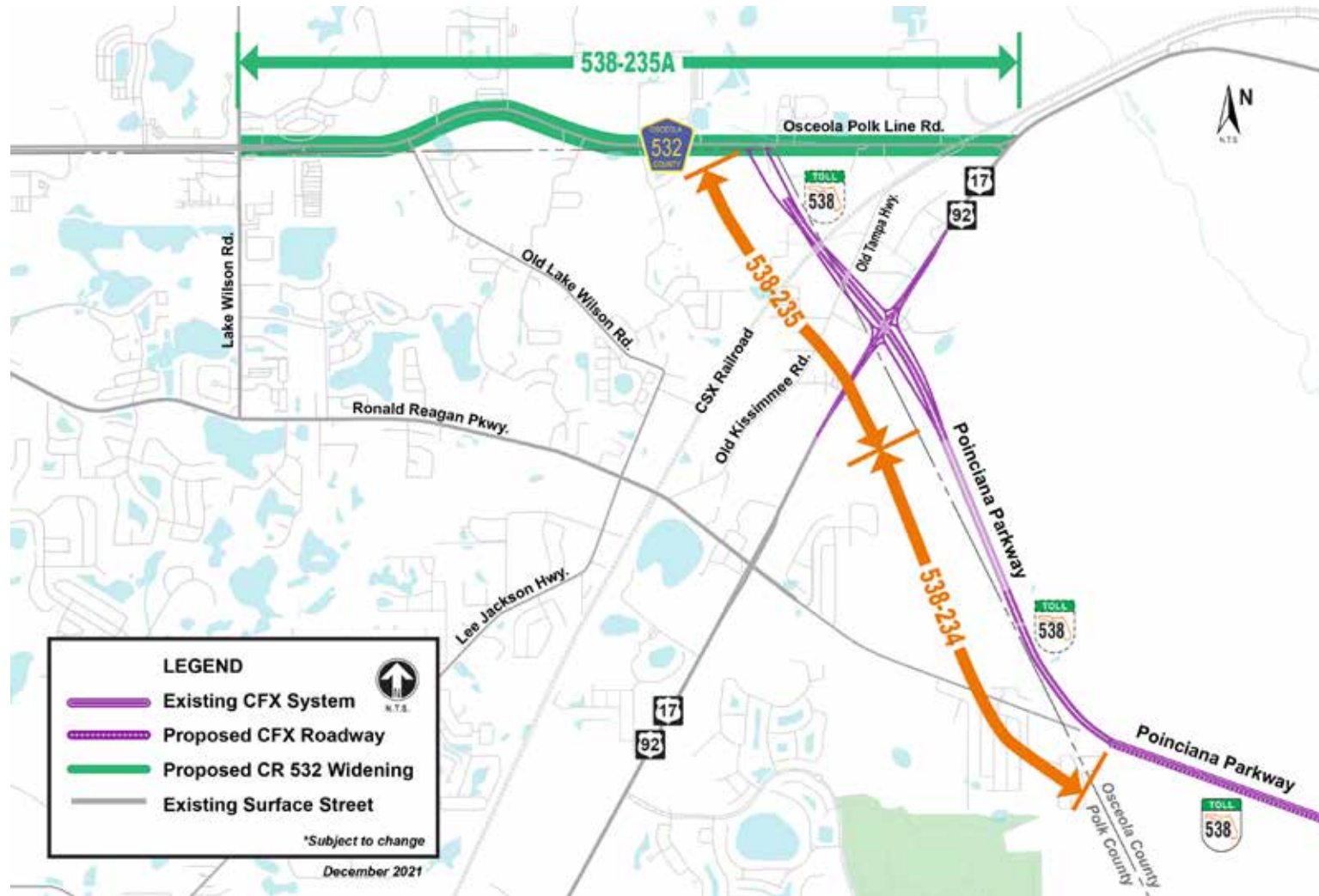
\$68M Construction cost estimate

- Multiple new / widened bridges
- Add a 4th lane eastbound from JYP to OBT
- New and reconstructed ramps
- 3 AET ramp toll gantries



SR 538 Poinciana Parkway Extension

CR 532 to Ronald Reagan Parkway



SR 538 Poinciana Parkway Extension

South of US 17/92 to Ronald Reagan Parkway

Project (538-234)

Advertisement:

- 4th Quarter 2022

\$88M Construction cost estimate

- New Expressway
- 4 Bridges
- Reedy Creek Mitigation Bank



SR 538 Poinciana Parkway Extension

CR 532 to South of US 17/92

Project (538-235)

Advertisement:

- 4th Quarter 2022

\$60M Construction cost estimate

- New Expressway
- 9 Bridges
- Utility Relocations
- CSX Railroad
- FDOT (US 17/92 Interchange)
- Toll Gantries



CR 532 Widening

Lake Wilson Road to US 17/92

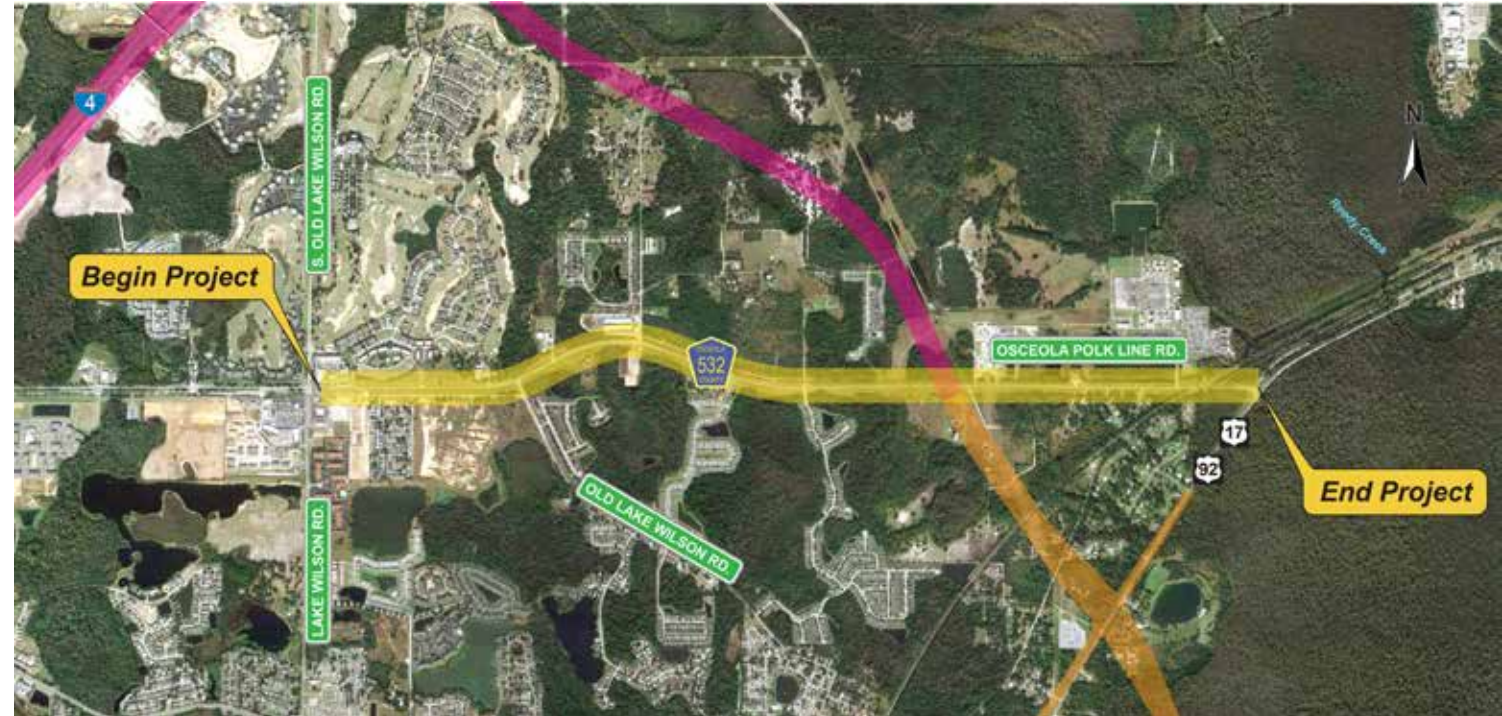
Project (538-235A)

Advertisement:

- 4th Quarter 2022

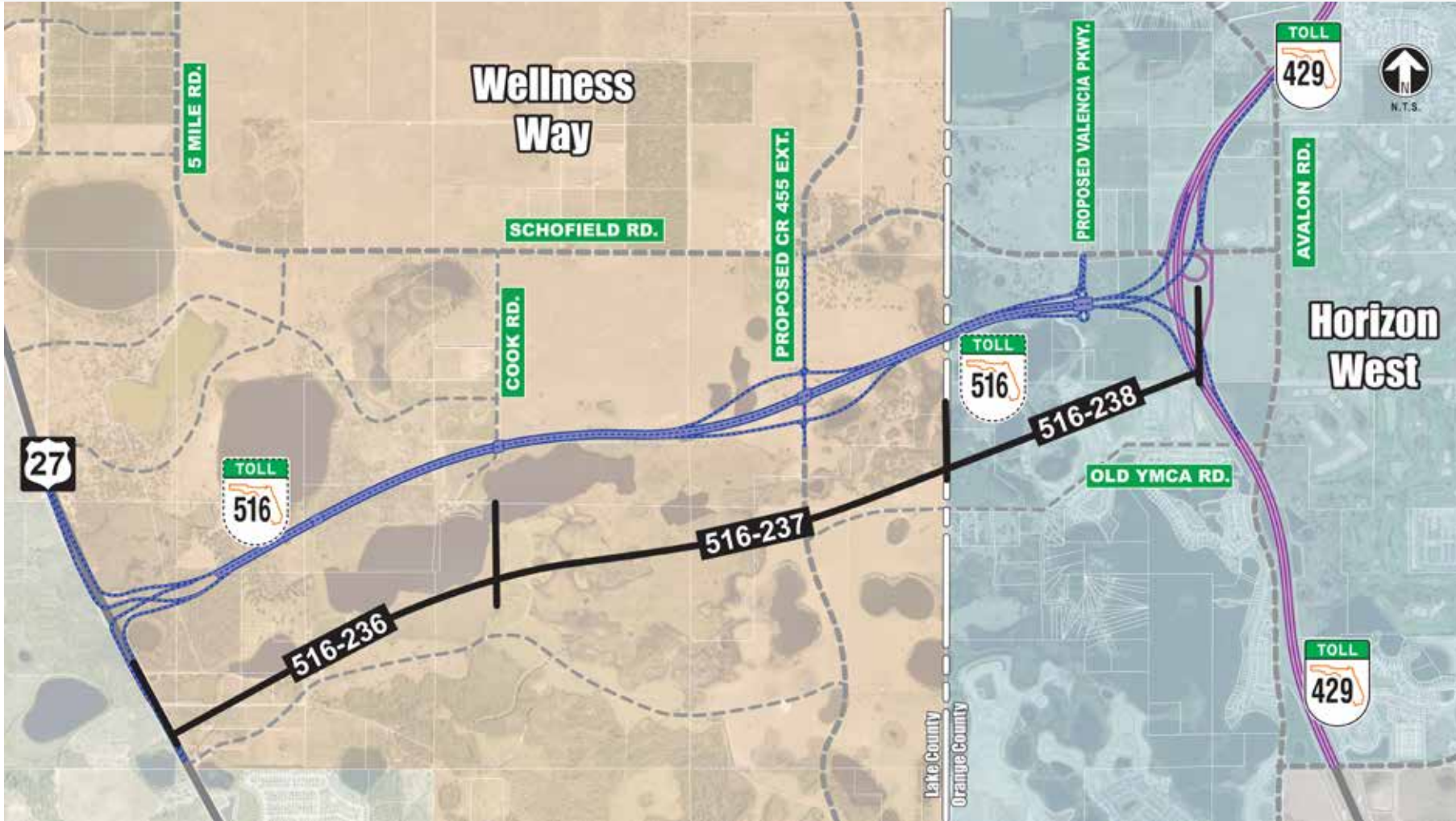
\$32M Construction cost estimate

- 2 lane to 4 lane divided
(2.9 mi.)
- Partnership with Osceola Co.
- 10' Trail & 5' Sidewalk
- CSX Railroad at-grade crossing



SR 516 Lake / Orange Expressway

US 27 to SR 429



SR 516 Lake / Orange Expressway

US 27 to Cook Road

Project (516-236)

Advertisement:

- 4th Quarter 2022

\$77M 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

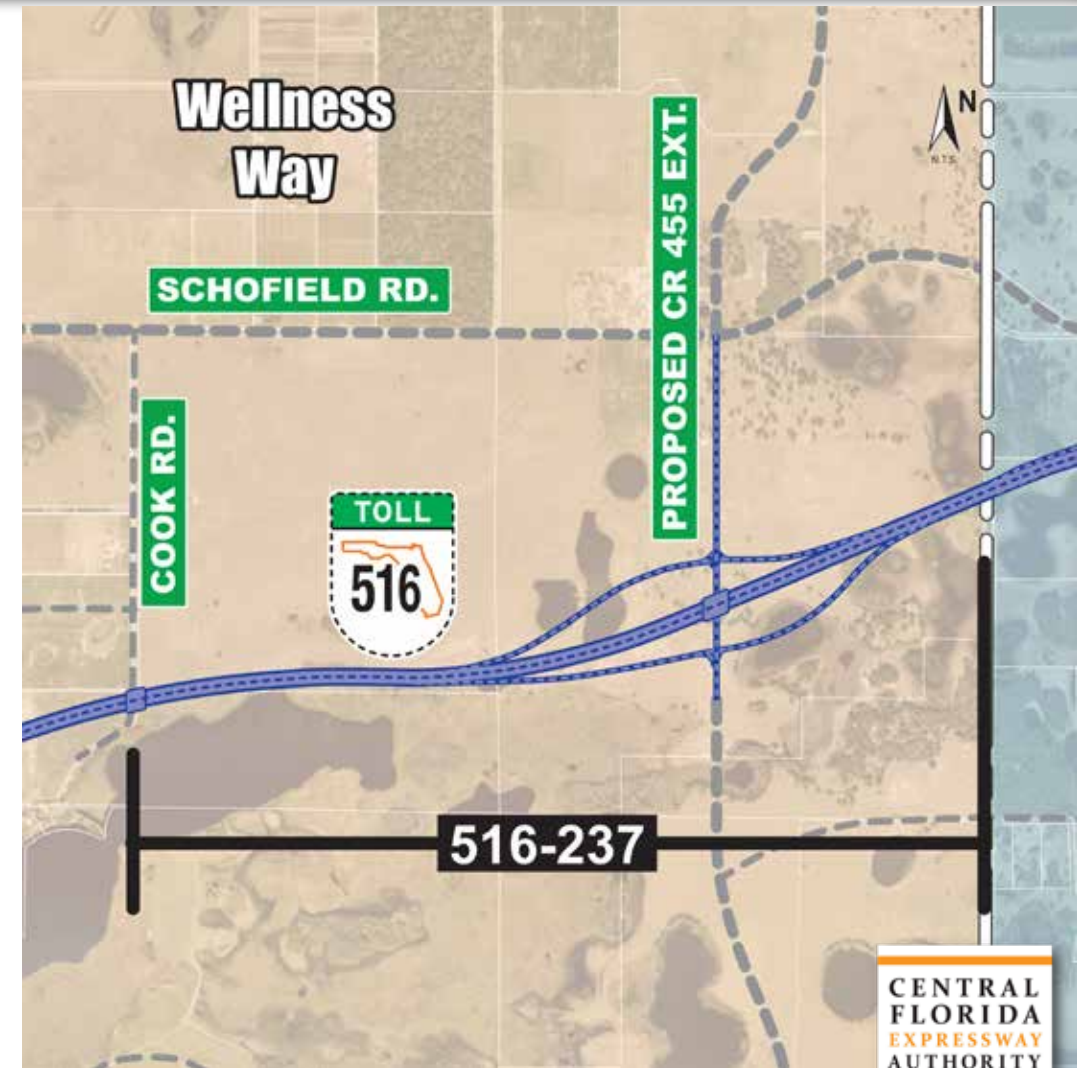
Project (516-237)

Advertisement:

- 4th Quarter 2022

\$88M 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 516 Lake / Orange Expressway

Lake / Orange County Line to SR 429

Project (516-238)

Advertisement:

- 4th Quarter 2022

\$92M 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



1 – Year Look Ahead

CEI Advertisements

Project #	Description	Work Plan Cost Estimate	Anticipated CEI Advertisement*
408-315	SR 408 Tampa Avenue Interchange	\$68 Million	4 th Quarter 2022
538-234	SR 538 Extension South of US 17/92 to Ronald Reagan Parkway	\$88 Million	4 th Quarter 2022
538-235	SR 538 Extension South of CR 532 to South of US 17/92	\$60 Million	4 th Quarter 2022
538-235A	CR 532 Widening Lake Wilson Road to US 17/92	\$32 Million	3 rd Quarter 2022
516-236	SR 516 US 27 to Cook Road	\$77 Million	4 th Quarter 2022
516-237	SR 516 Cook Road to Lake/Orange County Line	\$88 Million	4 th Quarter 2022
516-238	SR 516 Lake/Orange County Line to SR 429	\$92 Million	4 th Quarter 2022
*Quarters are “Calendar” Quarters and subject to change.			

1 – Year Look Ahead

Construction Advertisements

Project #	Description	Work Plan Cost Estimate
528-160	SR 528 Widening from Narcoossee Road to SR 417	Advertised
417-760	SR 417 Resurfacing from 528 to North of Berry Dease Road	\$14 Million
451-767	SR 451 Resurfacing from SR 414 to US 441	\$4.7 Million
528-757	SR 528 Farm Access Road 1 Bridge Removal	\$6.7 Million
408-167	SR 408 Lighting (LAMS)	\$2.6 Million
599-646	Systemwide Guide Sign & Lighting Replacement	\$5.4 Million
599-416C	CFX East District Facility Renovation	\$2.7 Million
538-235A	CR 532 Widening Lake Wilson Road to US 17/92	\$32 Million

Questions?



Jack Burch, PE

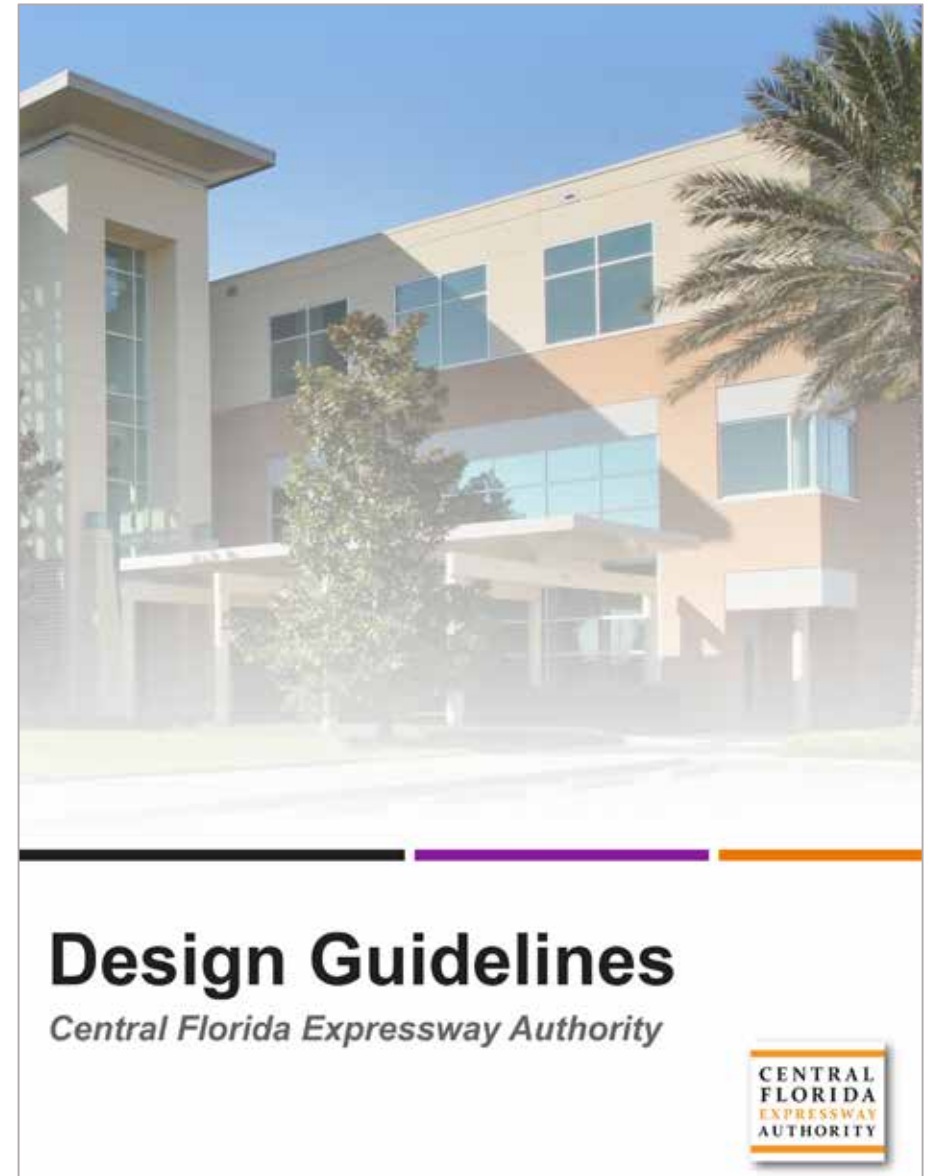
CFX Resident Engineer/Construction Manager

Jack.Burch@cfxway.com

CFX Design Guidelines

- **Current 2nd Edition**
 - Published March 2021
 - Adopts 2021 FDOT Design Manual (FDM)
 - CFX PD&E Study Documentation Guidance added to website
- **Updated Annually**
 - 3rd Edition – February 2022 Release (Adopts 2022 FDM)

<https://www.cfxway.com/cfx-design-standards/>



CFX Design Guidelines



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CFX Design Standards

Construction

Phone: 407-690-5000
Fax: 407-690-5033
Email: info@CFXway.com

Document Title	File Format
2021 CFX Design Guidelines	PDF
2021 CFX Lighting Details	PDF
2021 CFX Lighting Details CADD Files	ZIP
2021 CFX Sign & Pavement Marking Details	PDF
2021 CFX Sign & Pavement Marking Details CADD Files	ZIP
2022 CFX ITS Design Standards	PDF
2021 CFX PD&E Study Documentation Guidance with Templates	PDF

Questions?



Jamison Edwards, PE
CFX Engineering Project Manager
Jamison.Edwards@cfxway.com

THANK YOU



EXIT 2B
Orlando Executive
Airport
NEXT RIGHT

13