

The logo for the Central Florida Expressway Authority is centered in the upper half of the image. It consists of the words "CENTRAL", "FLORIDA", "EXPRESSWAY", and "AUTHORITY" stacked vertically in a serif font. "EXPRESSWAY" is in orange, while the other words are in dark blue. The text is enclosed in a white rectangular box with orange horizontal bars at the top and bottom.

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

CFX Industry Forum

2019/2020 Design, Expansion & CEI Projects

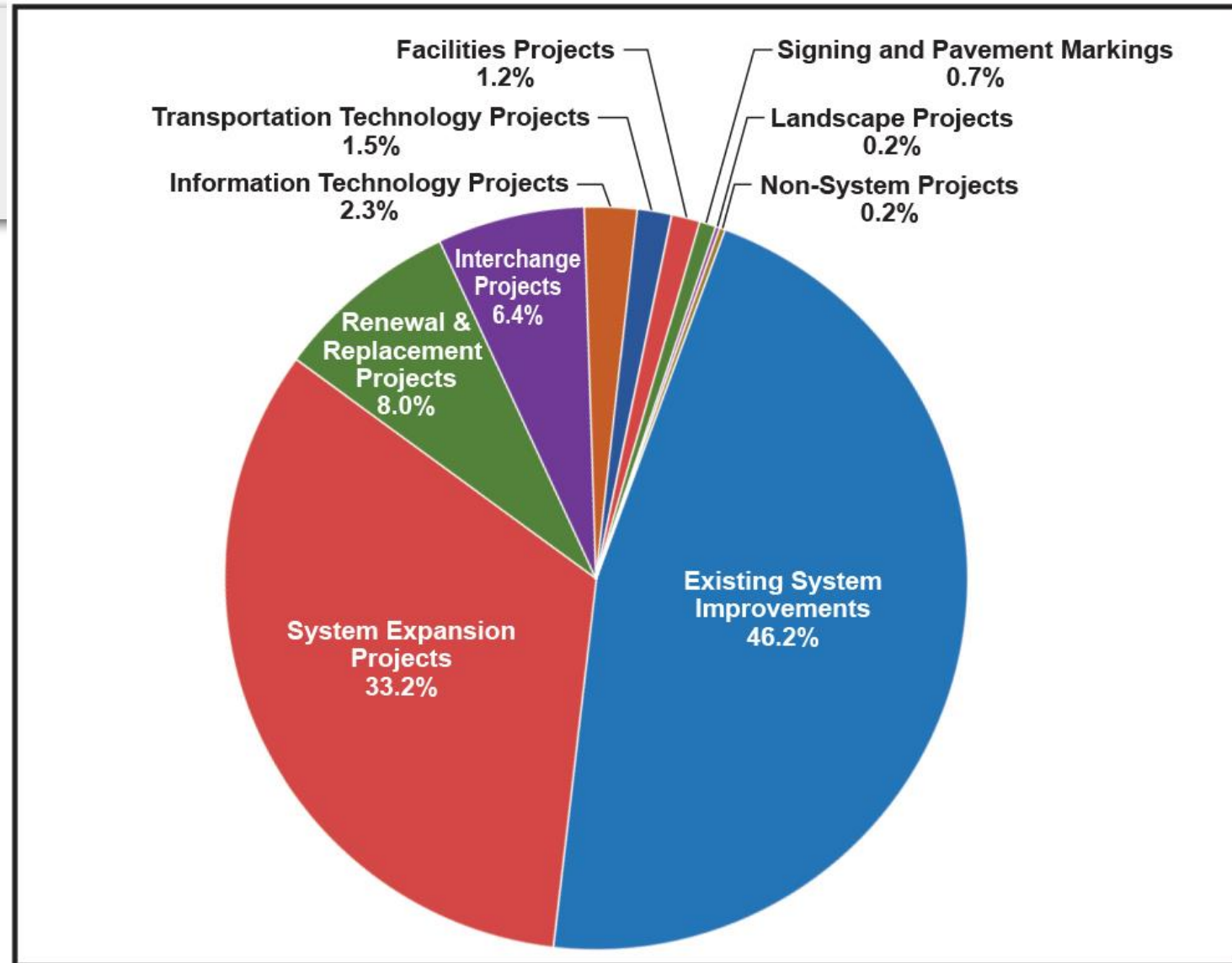
Will Hawthorne, PE, Director of Engineering
Jack Burch, PE, Resident Engineer/Construction Manager
Central Florida Expressway Authority

— July 16, 2019 —

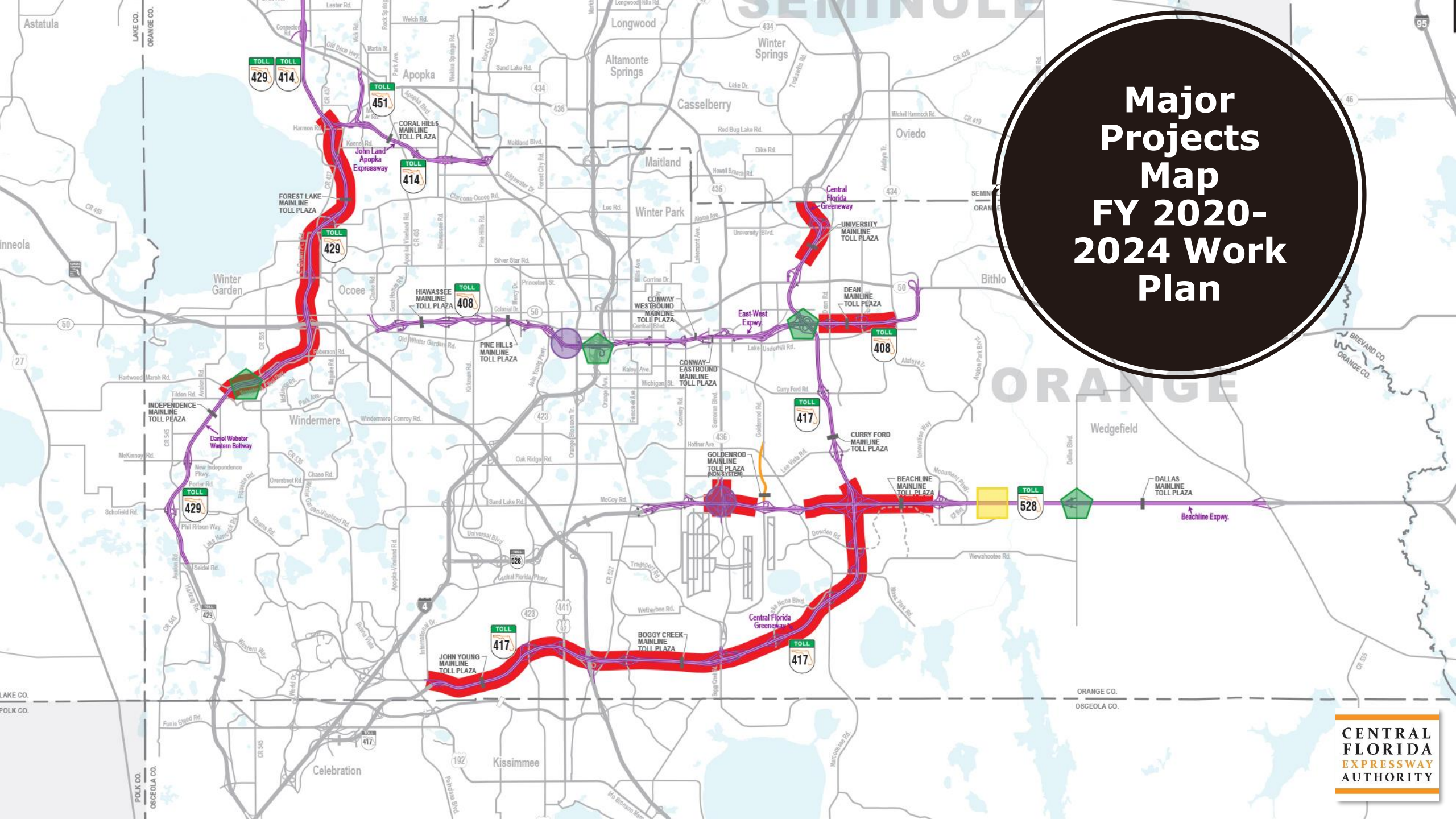
FY 2020-2024 Work Plan

Project Cost Summary (\$000's)		Fiscal Year					Totals
Category		19/20	20/21	21/22	22/23	23/24	
Existing System Improvements		91,304	271,842	480,534	279,212	43,552	1,166,444
System Expansion Projects		21,165	35,534	122,447	337,349	321,542	838,037
Interchange Projects		91,501	9,235	3,362	13,494	43,912	161,504
Facilities Projects		1,047	6,638	18,775	2,695	2,282	31,437
Transportation Technology Projects		13,457	8,445	4,383	3,794	7,507	37,586
Information Technology Projects		33,000	14,083	8,251	1,200	1,200	57,734
Signing and Pavement Markings		3,244	13,735	766	180	180	18,105
Renewal and Replacement Projects		51,040	70,497	45,073	12,229	24,048	202,887
Landscape Projects		769	787	1,413	799	794	4,562
Non-System Projects		601	3,151	1,368	0	547	5,667
TOTALS		307,128	433,947	686,372	650,952	445,564	2,523,963

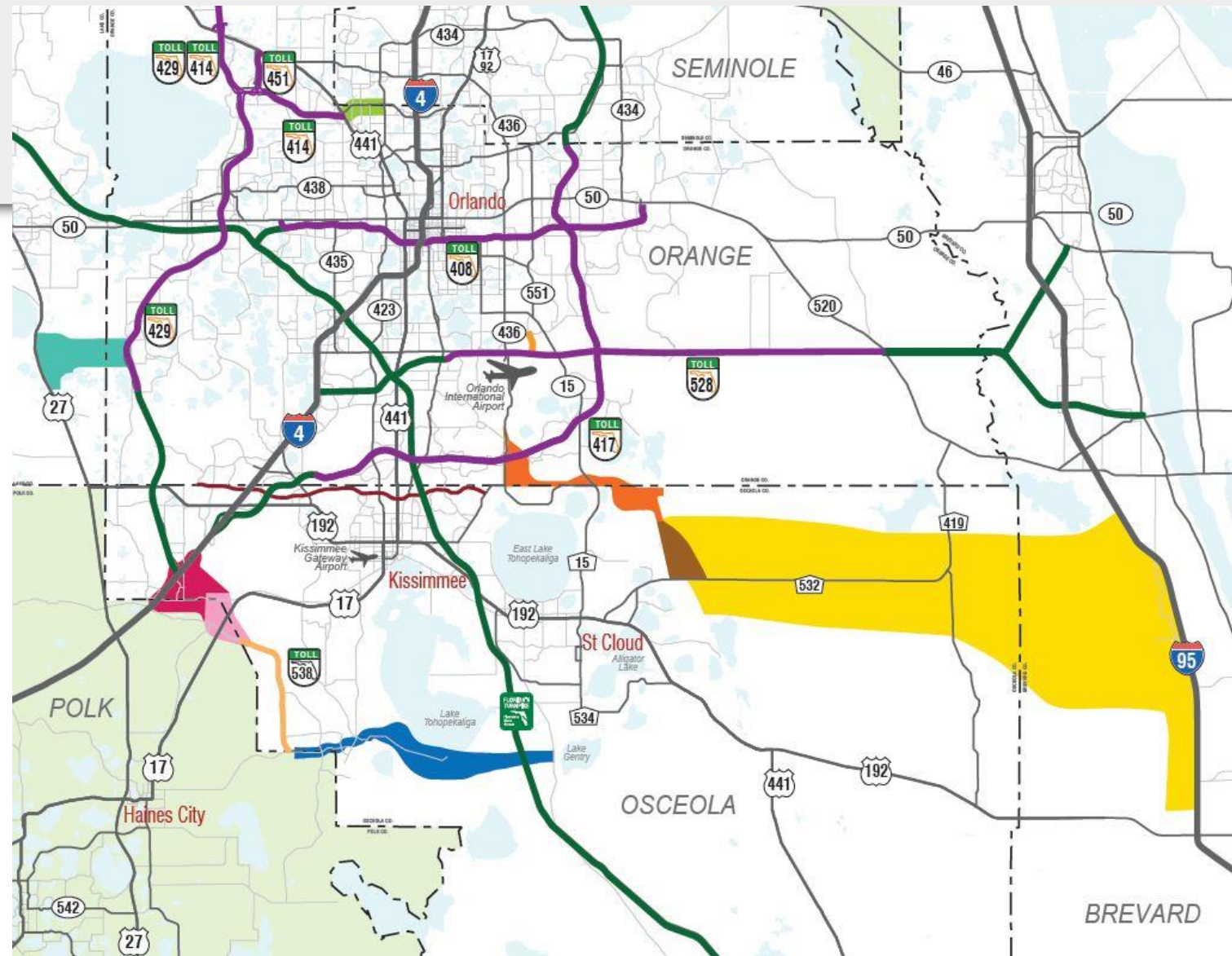
FY 2020-2024 Work Plan



Major Projects Map FY 2020-2024 Work Plan



System Expansion Map FY 2020-2024 Work Plan



Typical Project Team Characteristics

- Prime Executes 60% of the Scope
- Key Local Resources:
 - Project Manager
 - Roadway
 - Drainage & Permitting



SR 528 Widening (System Improvements)

Narcoossee Road to SR 417

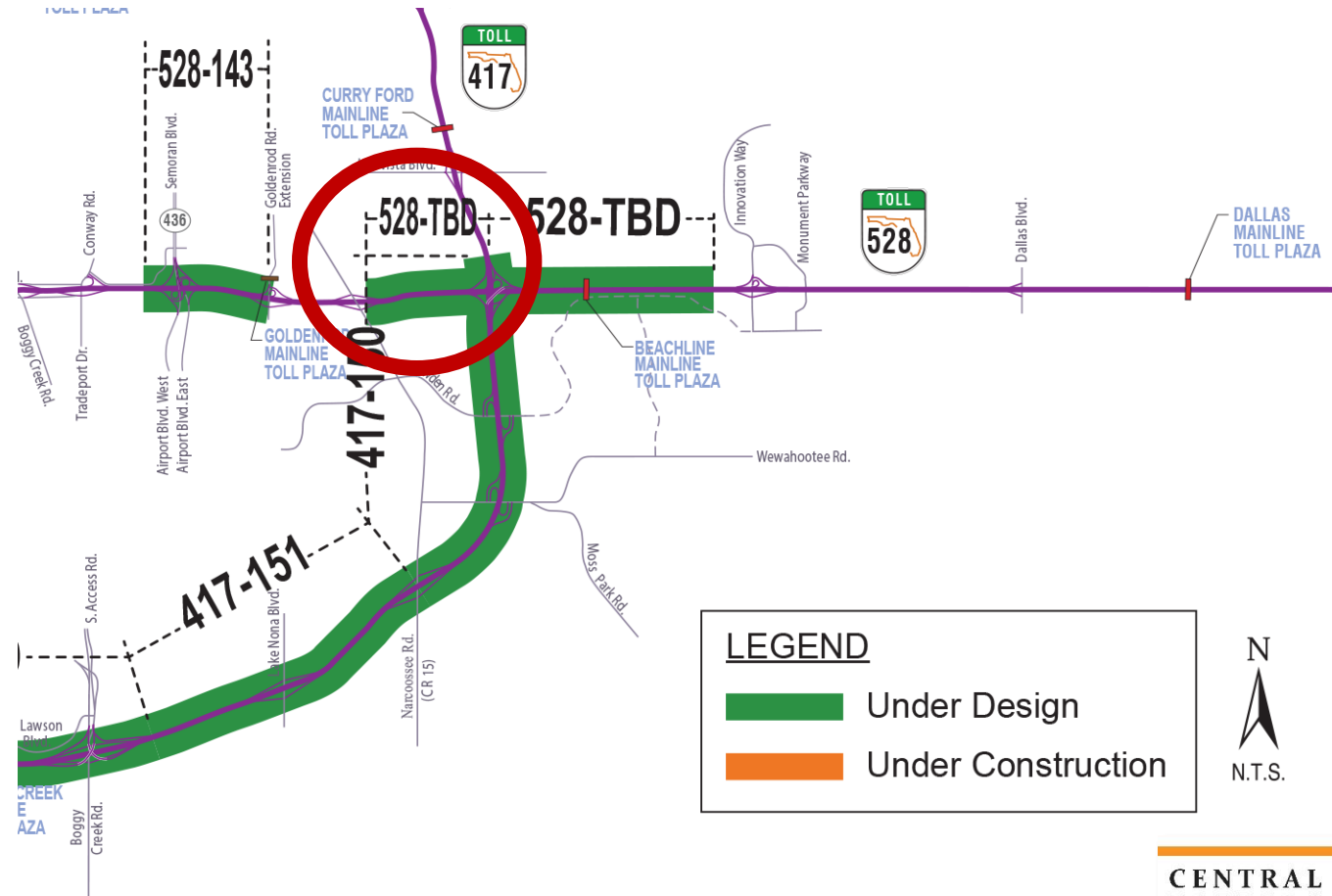
Prime – CFX Registered **SSBE**

1.8 Miles

Add Outside Lane, Mill & Resurface

No M/W/DBE Requirement

Design Estimate \$750 K



SR 528 Widening (System Improvements)

Narcoossee Road to SR 417

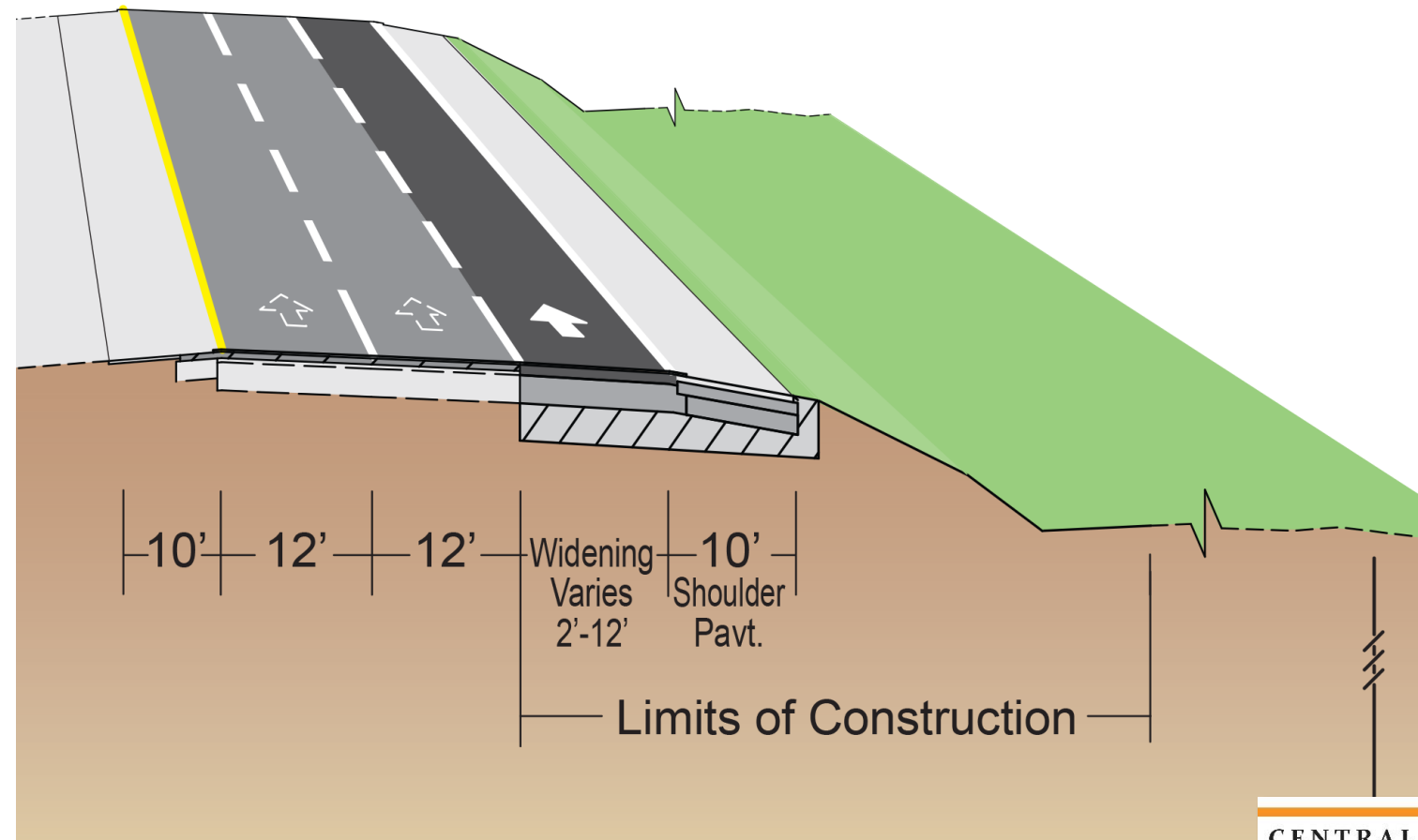
Necessary Coordination:

Virgin Trains

CFX Project 528-143

Anticipated Advertisement

August 4, 2019



SR 414 Direct Connect PD&E (System Expansion)

US 441 to SR 434 (Forest City Road)

Limited Access Connection

Multiple Stakeholders

2.25 Miles

PD&E Estimate \$1.5 M

Anticipated Advertisement

August 4, 2019



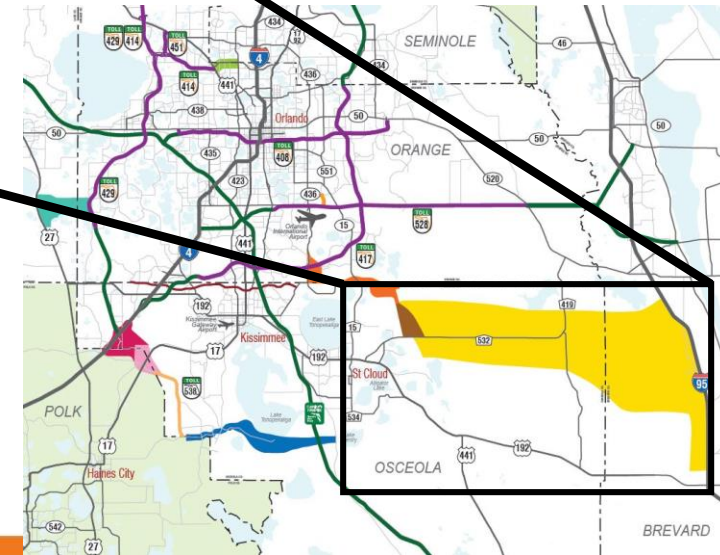
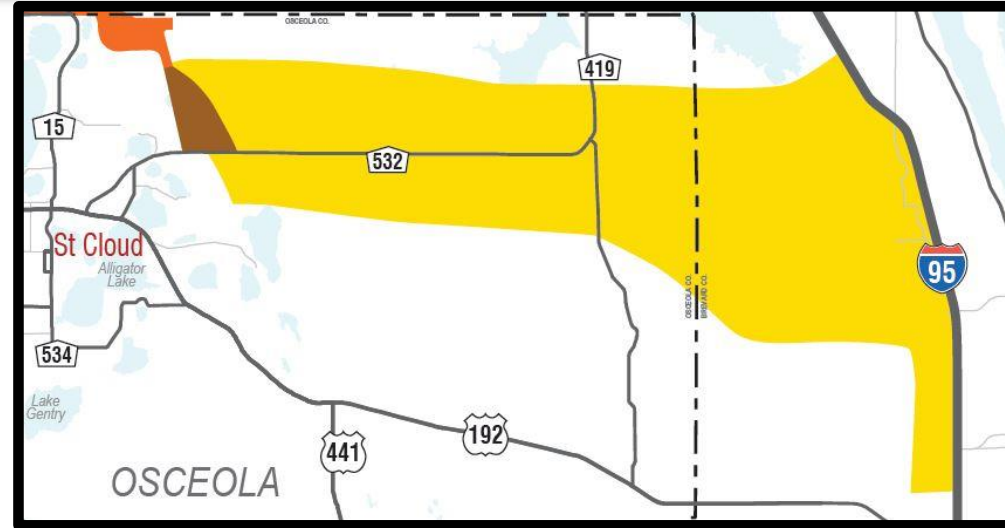
Osceola-Brevard Connector CF&M (System Expansion)

Concept, Feasibility & Mobility
Study Area Includes Osceola &
Brevard County

Study Estimate \$1.5 M

Anticipated Advertisement

August 18, 2019



SR 408 Operational Imp. (System Improvements)

Tampa Avenue to Orange Blossom Trail

Potential City of Orlando Partnership

Approximately 1 Mile

SR 408 Operational Improvements

Design Est. \$2.7 M

Anticipated Advertisement

September/October 2019

Southport Connector PD&E (System Expansion)

Poinciana Parkway to Canoe Creek Road

System Interchange at Florida's
Turnpike

Concept, Feasibility & Mobility
Documents www.cfxway.com

Anticipated Advertisement

November/December 2019



Expansion Project Design (System Expansion)

Contingent on Board Action

Possible Candidates Include

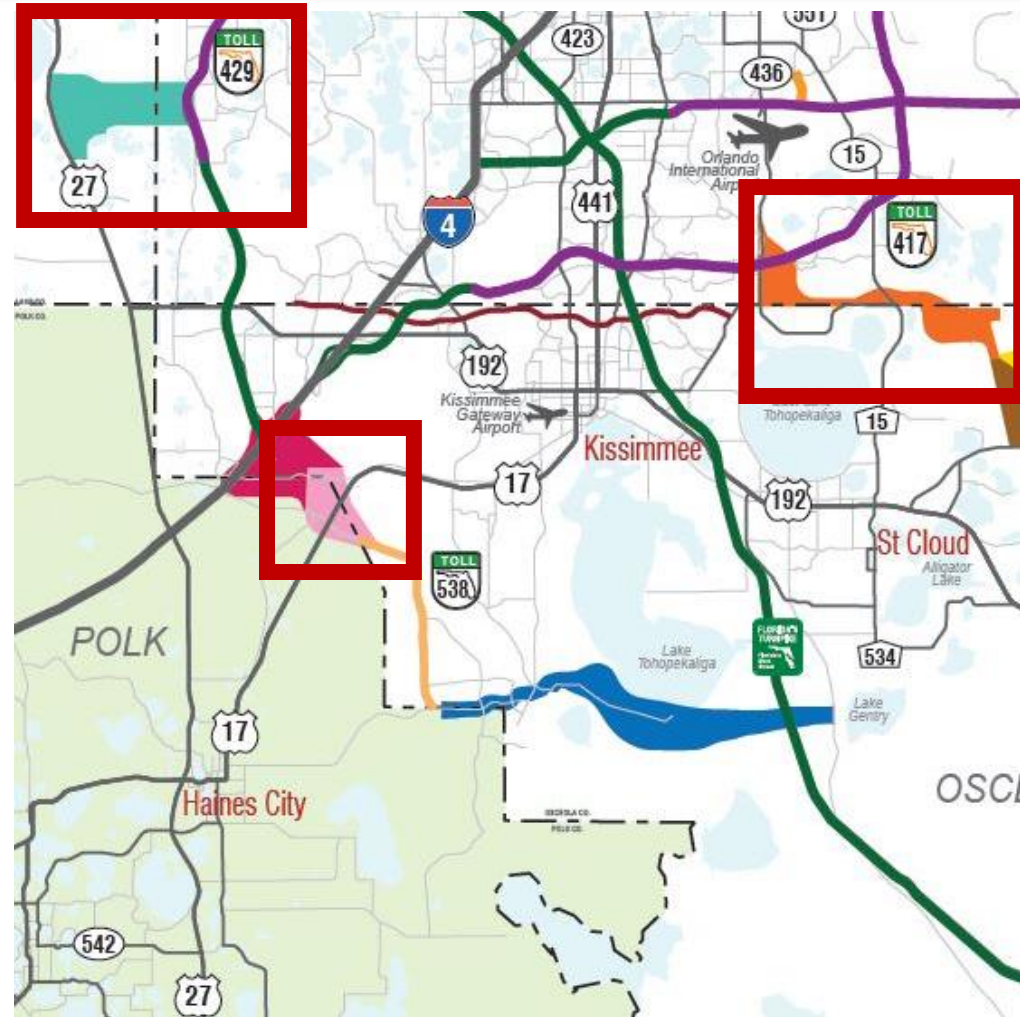
Lake/Orange Connector

Poinciana Parkway Extension

Osceola Parkway Extension

Anticipated Advertisement

November/December 2019



SR 528 Widening (System Improvements)

SR 417 to Innovation Way

Widening Concept in Development

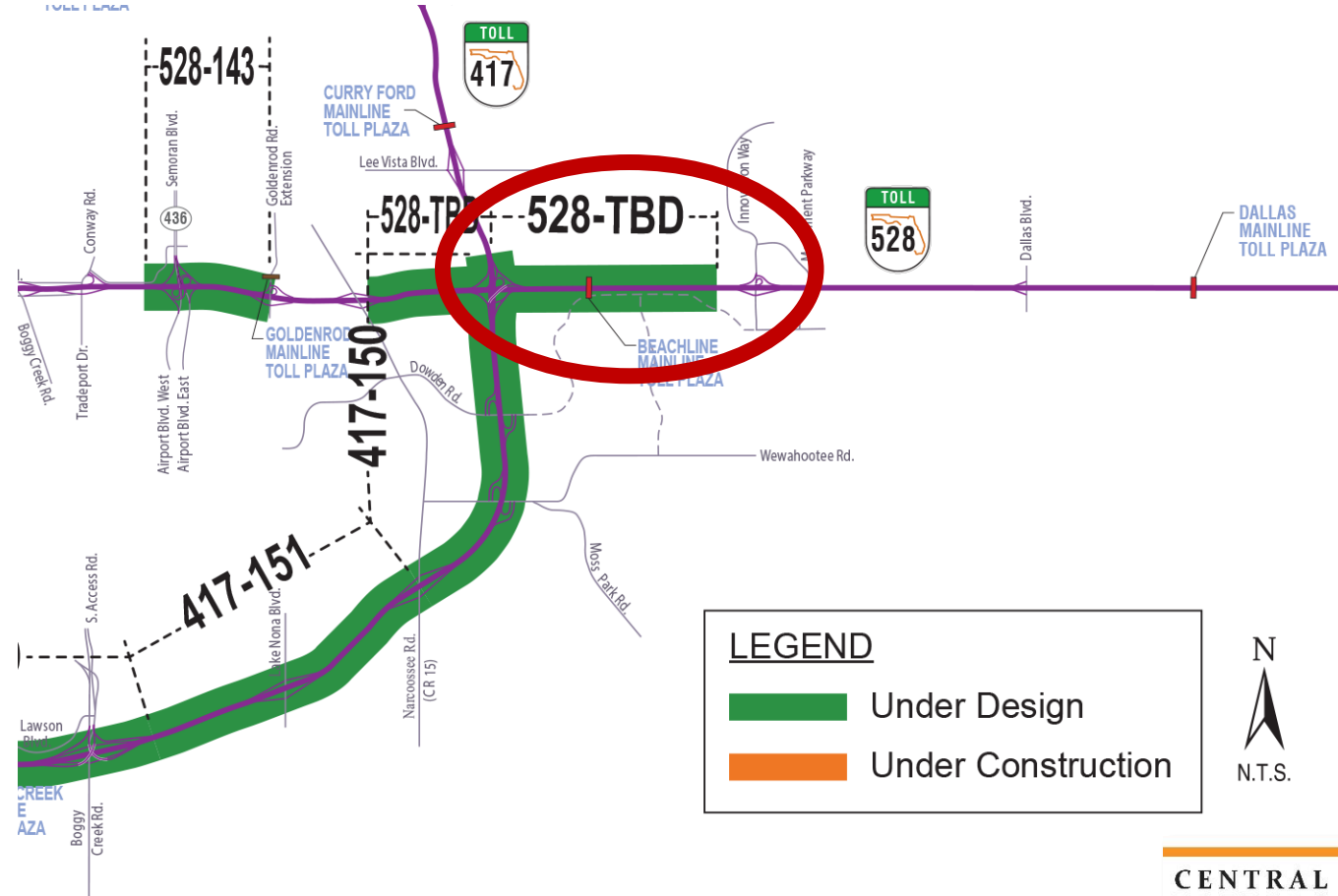
Add 1 Lane Each Direction, Mill & Resurface

3.2 Miles

Design Estimate \$3.7 M

Anticipated Advertisement

March/April 2020



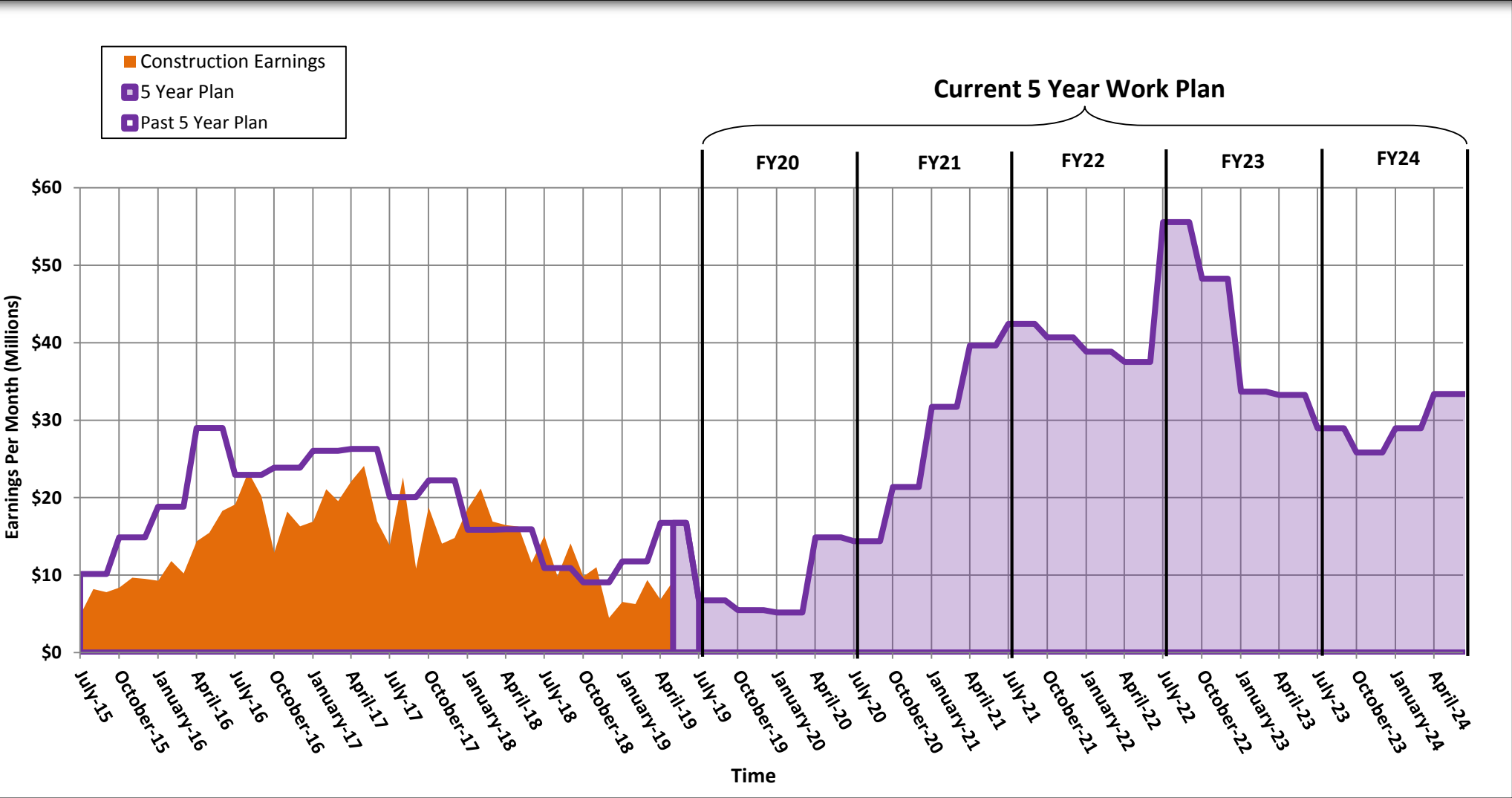
1 – Year Look Ahead Summary

Description	Phase	Work Plan Estimate	Anticipated Advertisement
SR 528 Widening Narcoossee to SR 417	Design	\$750,000	August 4, 2019
SR 414 Direct Connection	PD&E	\$1,500,000	August 4, 2019
Osceola-Brevard Connector	CF&M	\$1,500,000	August 18, 2019
SR 408 Operational Improvements	Design	\$2,700,000	September/October 2019
Southport Connector	PD&E	TBD	November/December 2019
Expansion Project Design	Design	TBD	November/December 2019
SR 528 Widening SR 417 to Innovation	Design	\$3,700,000	March/April 2020

~All dates are subject to change~

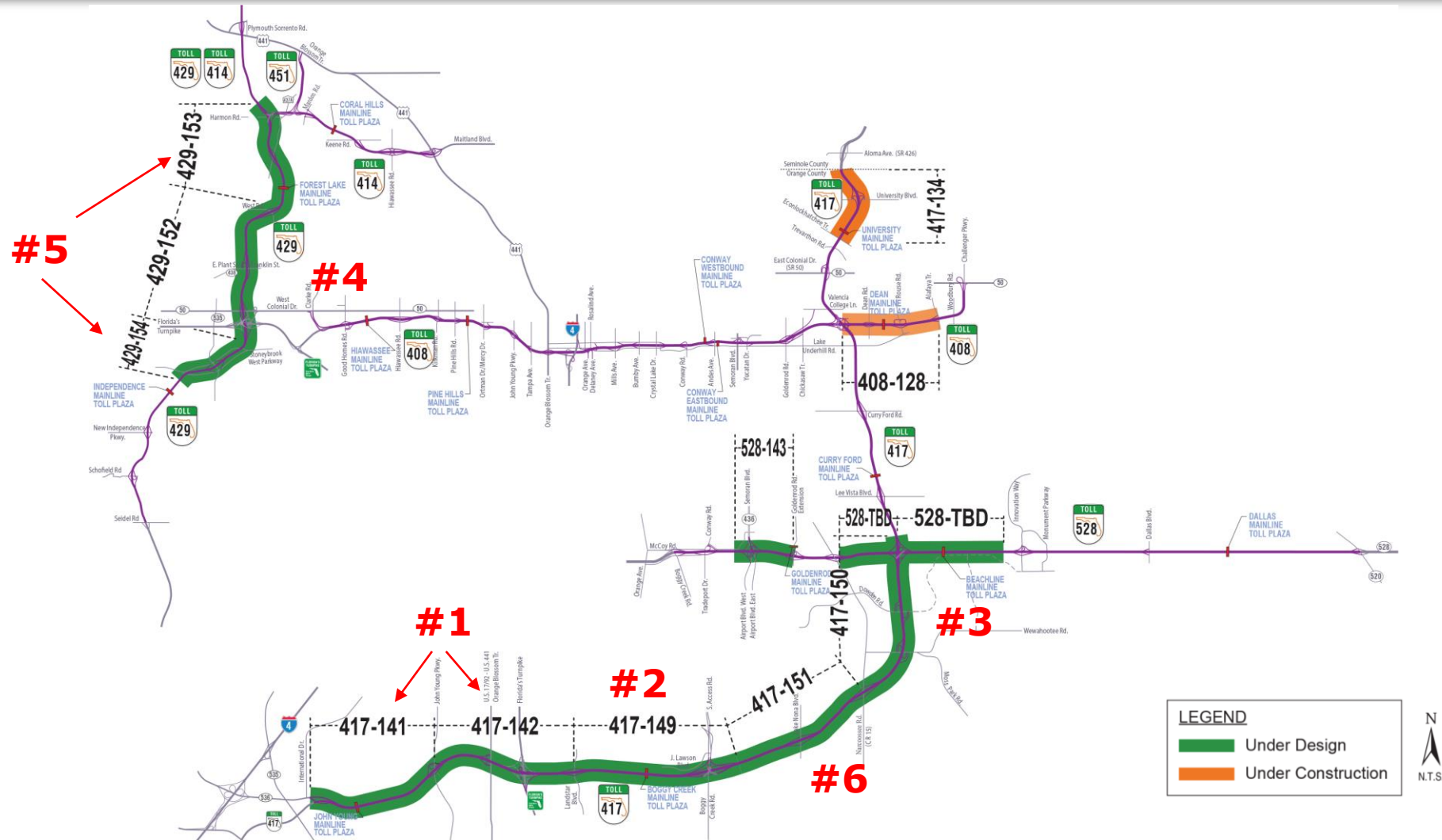
Construction Earnings

FY 2020-2024 Work Plan



Upcoming Widening Projects

Construction, Engineering and Inspection Consultants



CEI Qualifications

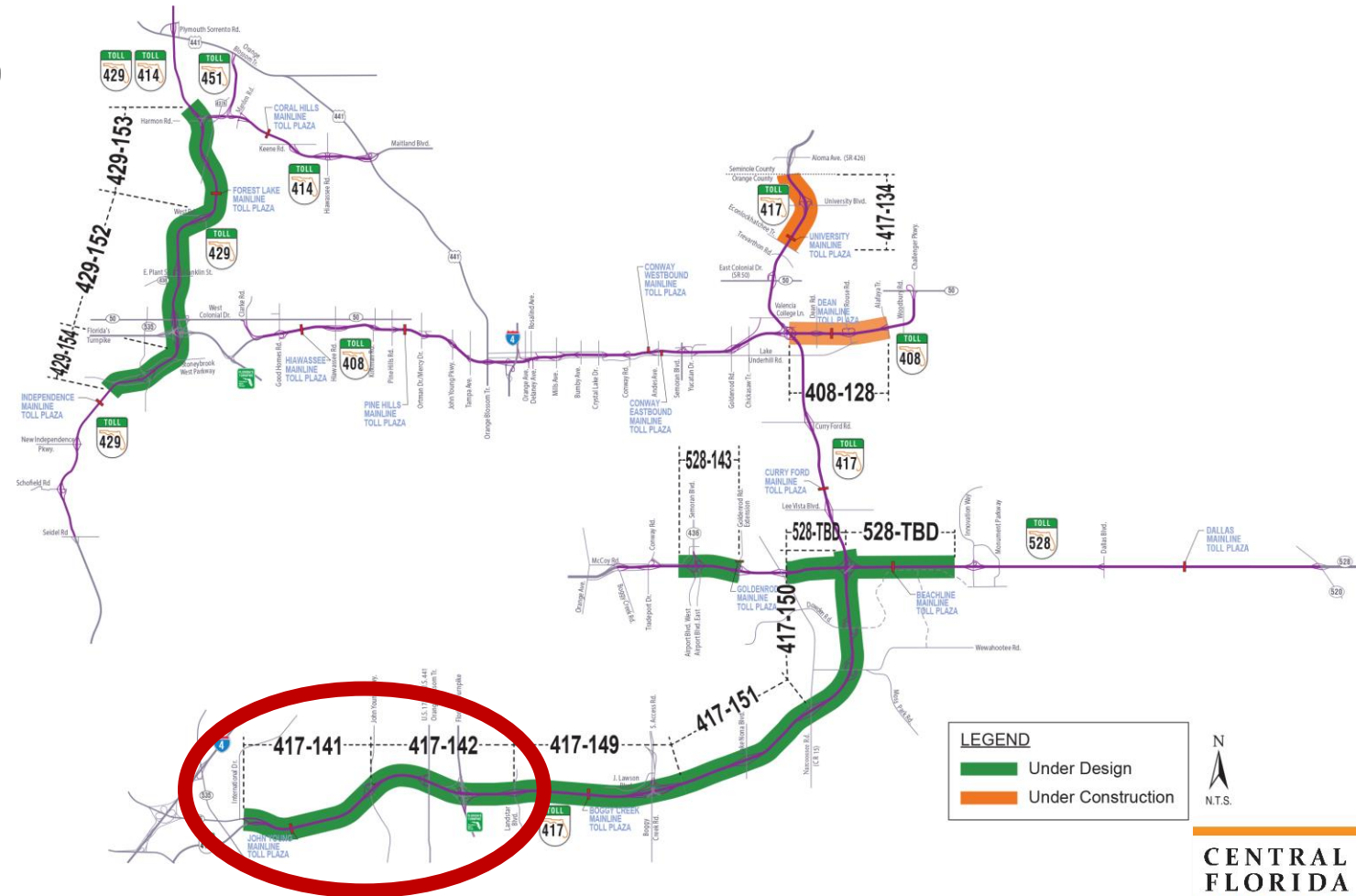
Major types of work:

- 10.1 – Roadway Construction
- 10.3 – Construction Materials Inspection
- 10.4 – Minor Bridge and Miscellaneous Structures
- 10.5 – Major Bridge

SR 417 Widening

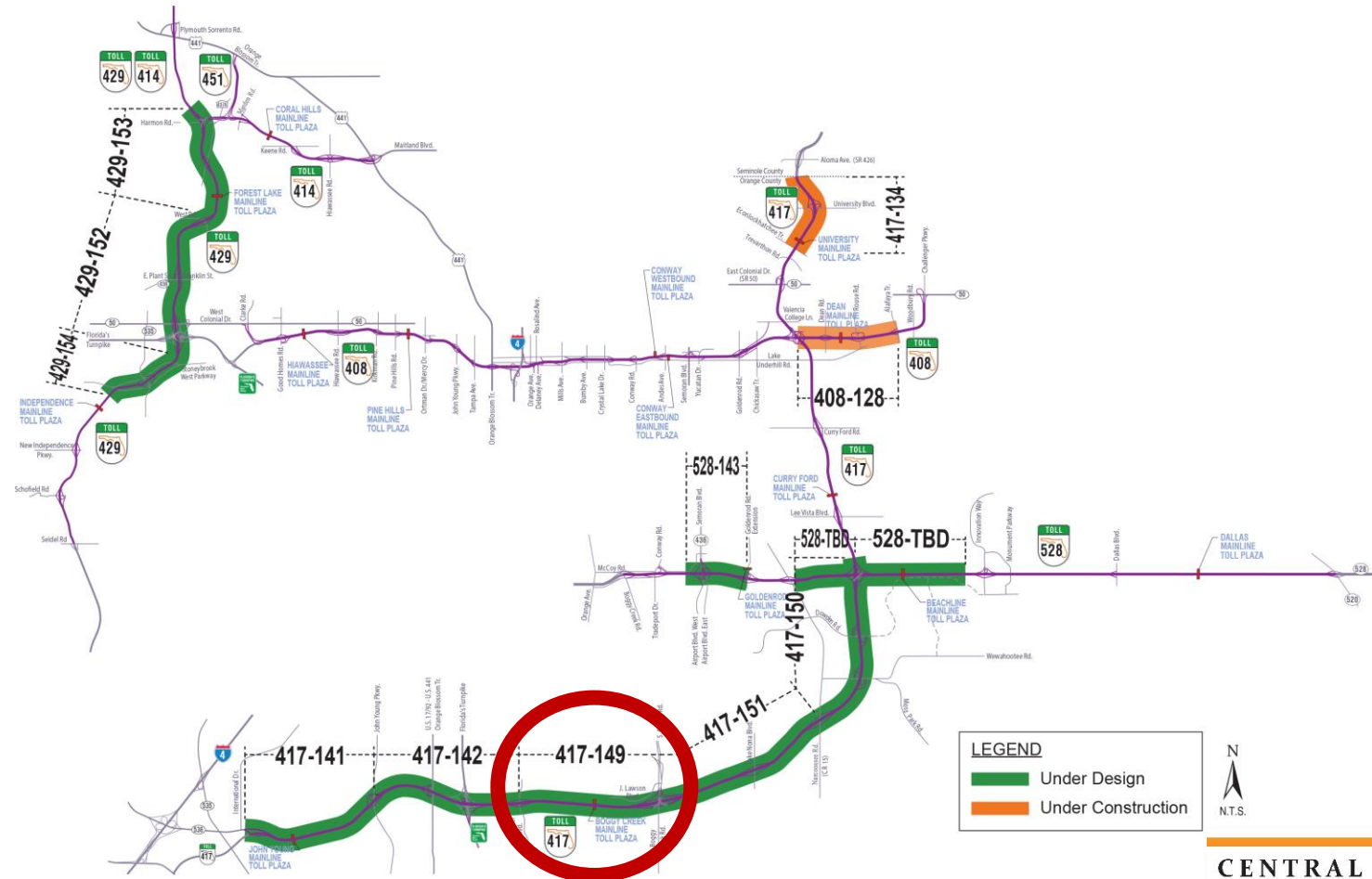
I - Drive to Landstar Blvd.

- CEI Project #1 (417-141 & 142)
- Anticipated Advertisement:
 - **Currently advertised!**
- Procurement Schedule
 - LOI – 7/30/19
 - Shortlist – 8/12/19
 - Technical Due – 9/4/19
 - Interview and Final Ranking – 9/17/19



SR 417 Widening *Landstar Blvd. to Boggy Creek*

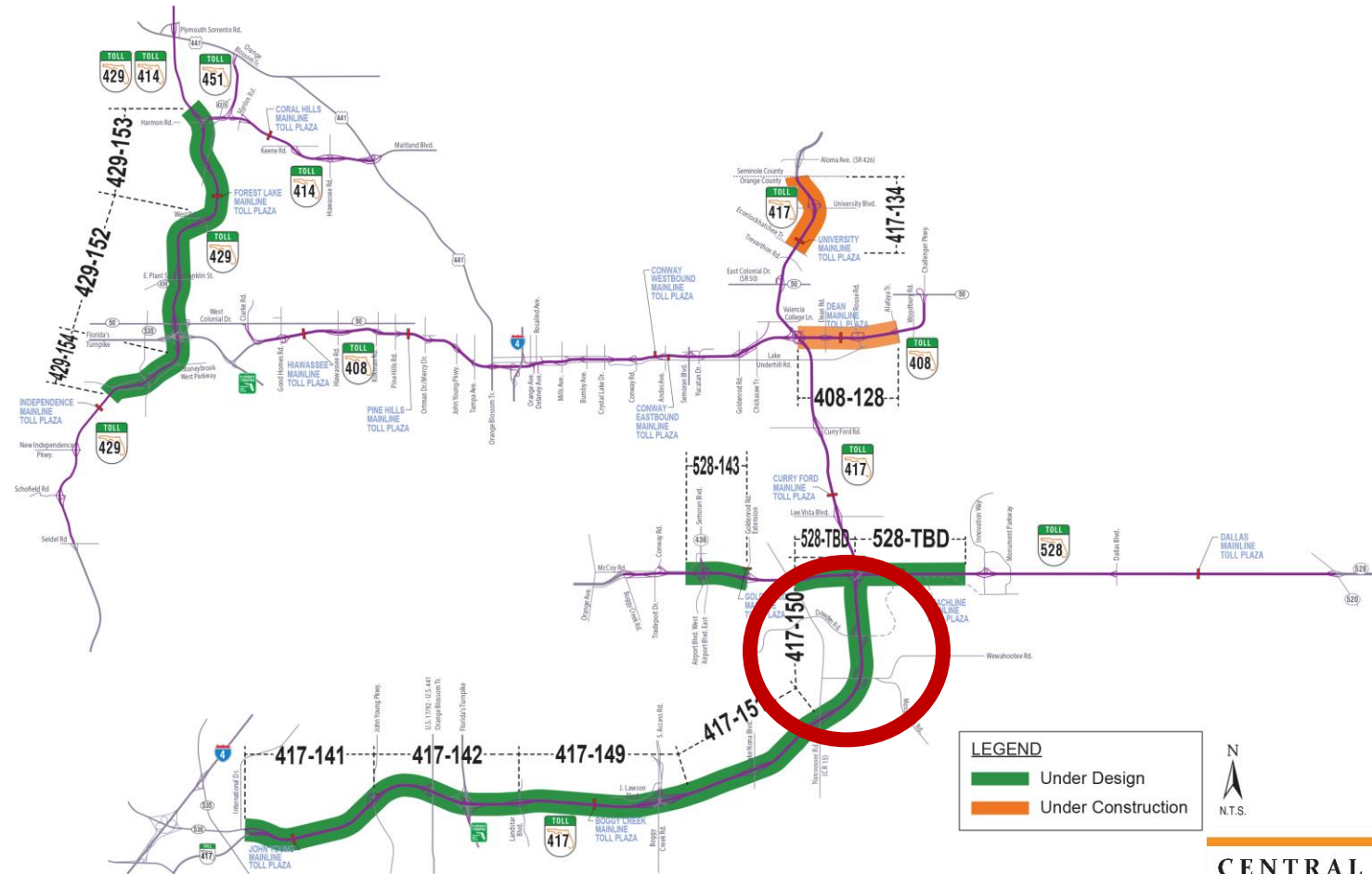
- CEI Project #2 (417-149)
- Anticipated Advertisement:
 - September 2019
- Anticipated Construction NTP:
 - May 2020
- Approximately 3.7 miles
- Add lanes, mill and resurface
- 8 bridge widening locations



SR 417 Widening

Narcoossee Road to SR 528

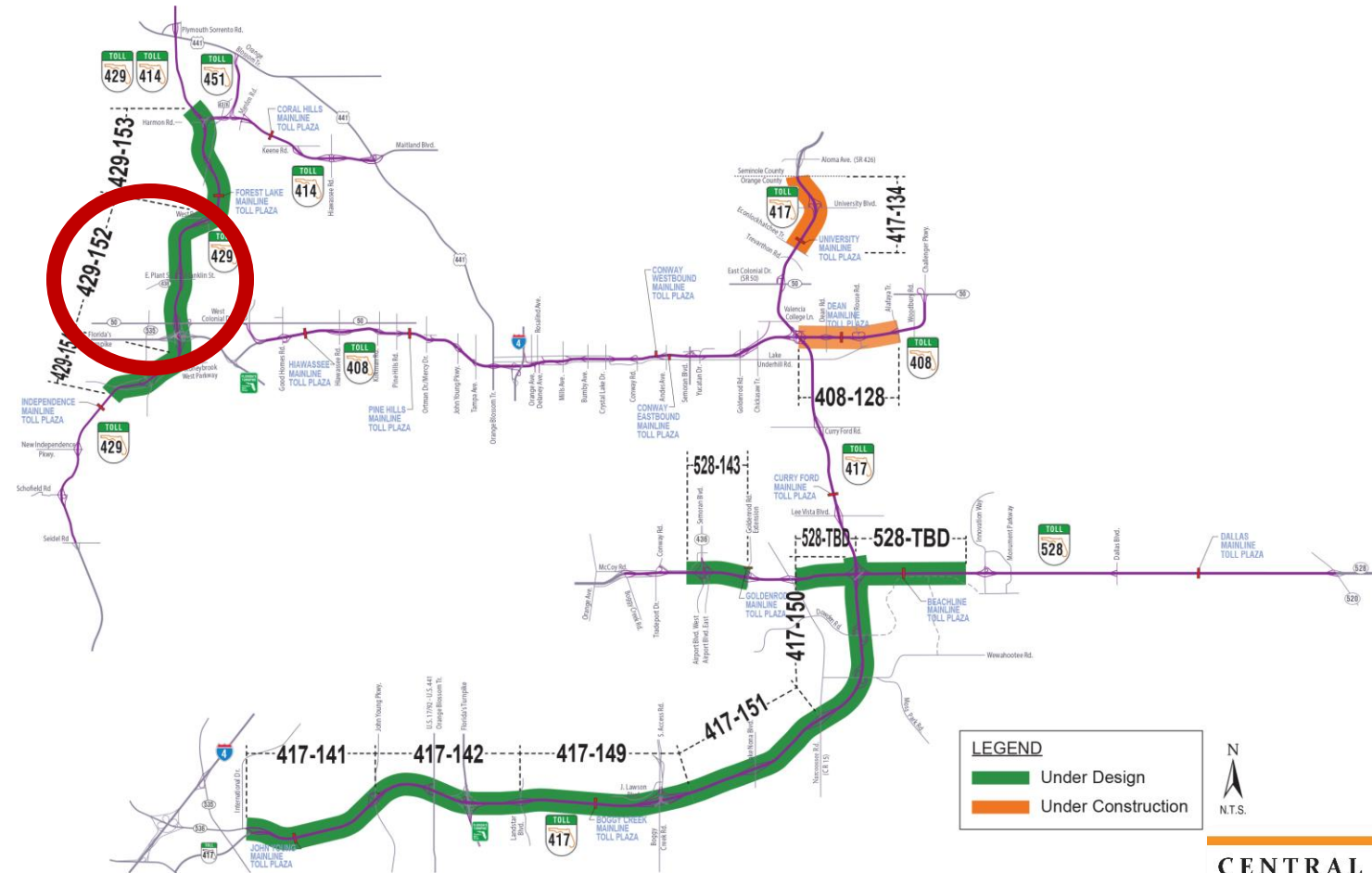
- CEI Project #3 (417-150)
- Anticipated Advertisement:
 - November 2019
- Anticipated Construction NTP:
 - August 2020
- Approximately 4.7 miles
- Add lanes, mill and resurface
- 10 bridge widening locations



SR 429 Widening

Turnpike to West Road

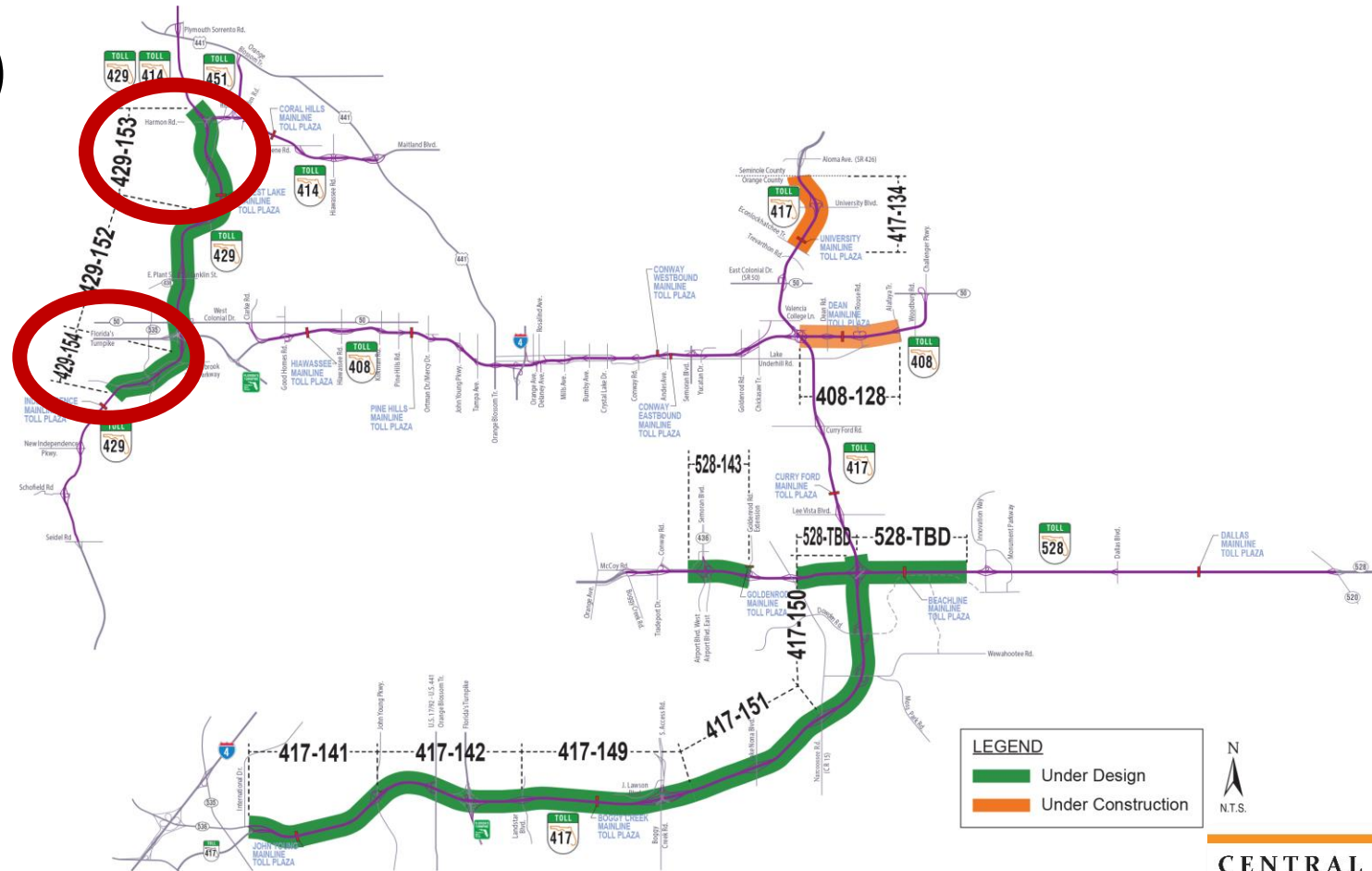
- CEI Project #4 (429-152)
- Anticipated Advertisement:
 - January 2020
- Anticipated Construction NTP:
 - September 2020
- Approximately 5.7 miles
- Add lanes, mill and resurface
- 11 bridge widening locations



SR 429 Widening

CR 535 to Turnpike & West Road to SR 414

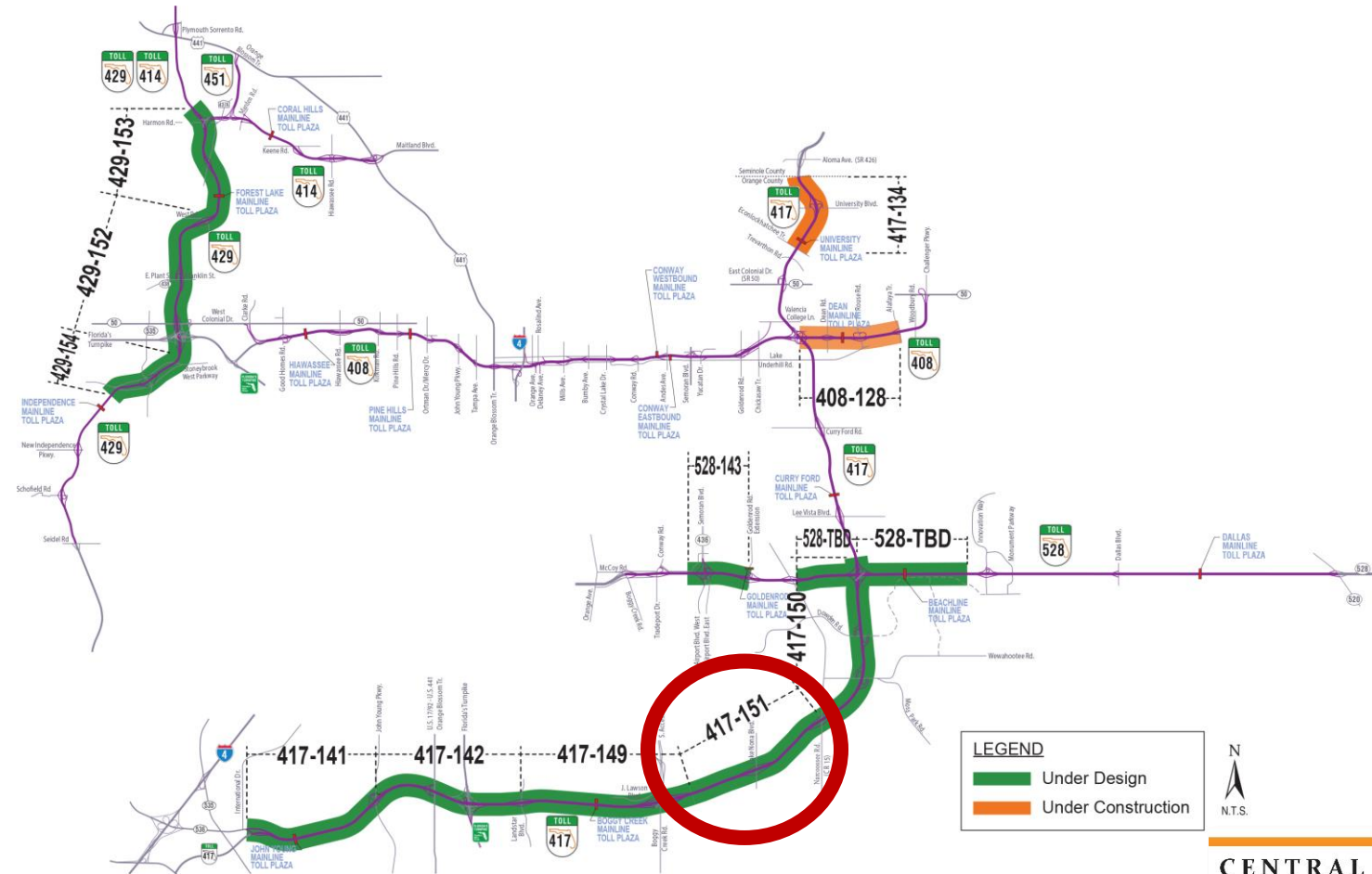
- CEI Project #5 (429-154 & 153)
- Anticipated Advertisement:
 - March 2020
 - Two firms will be selected
- Anticipated Construction NTP:
 - November 2020
- Approximately 7.2 miles (combined)
- Add lanes, mill and resurface
- 8 bridge widening locations



SR 417 Widening

Boggy Creek to Narcoossee Road

- CEI Project #6 (417-151)
- Anticipated Advertisement:
 - May 2020
- Anticipated Construction NTP:
 - March 2021
- 4.5 Miles
- Add lanes, mill & resurface
- 2 bridge widening locations



Systemwide CEI Contracts

Construction, Engineering and Inspection

Lighting, Tolling, and ITS

- Anticipated Advertisement:
 - July 2020
- Typically a 3 year contract with (2) – 1 year renewals
- Traffic operations and technology projects
- Services include:
 - Senior Project Engineer
 - Technical Project Administrator
 - Senior ITS Inspector



Construction, Engineering and Inspection

Coatings Consultant - Surface Preparation and Painting

- Anticipated Advertisement:
 - September 2019
- Typically a 3 year contract with (2) – 1 year renewals
- VT and IA inspection of concrete and steel coating
- Services include:
 - Chief Scientist
 - Bridge Inspector
 - Coatings Inspector



1 – Year Look Ahead Summary

Description	Anticipated Advertisement
417-141/142 I-Drive to Landstar Blvd	ADVERTISED
417-149 Landstar Blvd to Boggy Creek	September 2019
417-150 Narcoossee Rd to SR 528	November 2019
429-152 Turnpike to West Rd	January 2020
429-153/154 CR 535 to Turnpike, West Rd to SR 414	March 2020
417-151 Boggy Creek to Narcoossee Rd	May 2020
Systemwide CEI – Lighting, Tolling, ITS	July 2020
Systemwide CEI – Coatings	September 2019

~All dates are subject to change~



Presenter Contact Information

Will Hawthorne, PE
Director of Engineering
Central Florida Expressway
Authority
4974 ORL Tower Road
Orlando, FL 32807
407.690.5337 (p)
321.332.3474 (c)
CFXway.com
Will.Hawthorne@cfxway.com

Jack Burch, PE
Resident Engineer/Construction
Manager
Central Florida Expressway
Authority
4974 ORL Tower Road
Orlando, FL 32807
407.690.5339 (d)
407.256.9658 (c)
CFXway.com
Jack.Burch@cfxway.com