

# CENTRAL FLORIDA EXPRESSWAY AUTHORITY

## AGENDA CENTRAL FLORIDA EXPRESSWAY AUTHORITY ENVIRONMENTAL STEWARDSHIP COMMITTEE MEETING August 20, 2020 09:00 AM

### Meeting location: Virtual

The Committee meeting can be viewed through Zoom Webinar by clicking on the link, [https://cfxway.zoom.us/Environmental Stewardship Committee Meeting/8.20.20](https://cfxway.zoom.us/Environmental_Stewardship_Committee_Meeting/8.20.20) and entering the **Passcode: 027458** Or by calling **(877) 853 5257**, and entering **Webinar ID: 910 1438 6242**

#### A. CALL TO ORDER

- B. PUBLIC COMMENT** – Pursuant to Original Executive Order 20-69 and as extended by Executive Orders 20-112, 20-123, 20-139, 20-150 and 20-179, all issued by Governor Ron DeSantis, “local government bodies may utilize communications media technology, such as telephonic and video conferencing, as provided in section 120.54(5)(b)2., Florida Statutes,” in order to establish quorums. As such, procedures for all CFX public meetings have been temporarily modified to allow public meetings to occur remotely and reduce the spread of transmission of the COVID-19 virus. Any public comments to the Environmental Stewardship Committee were noticed and requested to be emailed to [environmentalstewardshipcomments@cfxway.com](mailto:environmentalstewardshipcomments@cfxway.com) and were to be received by 4 p.m. on August 19, 2020 to be included as part of the record.

Such comments were to be limited to any such items that are either identified on this meeting agenda as requiring action or anticipated to come before the Committee for action in reasonable future. Public comments will be read into the record except that if the comments exceeded 3 minutes in length, when read, they will only be attached as part of the minutes. In any case, all comments received were to be distributed electronically to all members in advance of the meeting date.

#### C. WELCOME & INTRODUCTIONS

- I. Welcome to the Committee – Laura Kelley, Executive Director
- II. Committee Member Voting Process – Woody Rodriguez, General Counsel

- D. FLORIDA NATIONAL SCENIC TRAIL CROSSING OF SR 528** – PRESENTED BY DALE ALLEN, FLORIDA GREENWAYS AND TRAILS FOUNDATION (info. item)

- E. OSCEOLA / BREVARD COUNTY CONNECTOR CONCEPT, FEASIBILITY AND MOBILITY (CF&M) STUDY** – PRESENTED BY CLIF TATE P.E., PROJECT MANAGER, KIMLEY-HORN AND ASSOCIATES (info. item)

- F. SOUTHPORT CONNECTOR EXPRESSWAY PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY** – PRESENTED BY RALPH BOVE, PROJECT MANAGER, VOLKERT, INC. (info. item)

- G. NORTHEAST CONNECTOR EXPRESSWAY PHASE 1 PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY** – PRESENTED BY DAN KRISTOFF P.E., PROJECT MANAGER, RS&H (info. item)

#### H. OTHER BUSINESS

#### I. ADJOURNMENT

**THIS MEETING IS OPEN TO THE PUBLIC**

Section 286.0105, Florida Statutes states that if a person decides to appeal any decision made by a board, agency, or commission with respect to any matter considered at a meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Persons who require translation services, which are provided at no cost, should contact CFX at (407) 690-5000 x5316 or by email at [Iranetta.Dennis@CFXway.com](mailto:Iranetta.Dennis@CFXway.com) at least three business days prior to the event.

***In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodation to participate in this proceeding, then not later than two (2) business days prior to the proceeding, he or she should contact the Central Florida Expressway Authority at (407) 690-5000.***

**D.**  
**FLORIDA**  
**NATIONAL SCENIC**  
**TRAIL CROSSING**  
**OF SR 528**



**Florida Greenways  
& Trails Foundation**  
FGTF.org • © Florida Greenways & Trails Foundation, Inc.

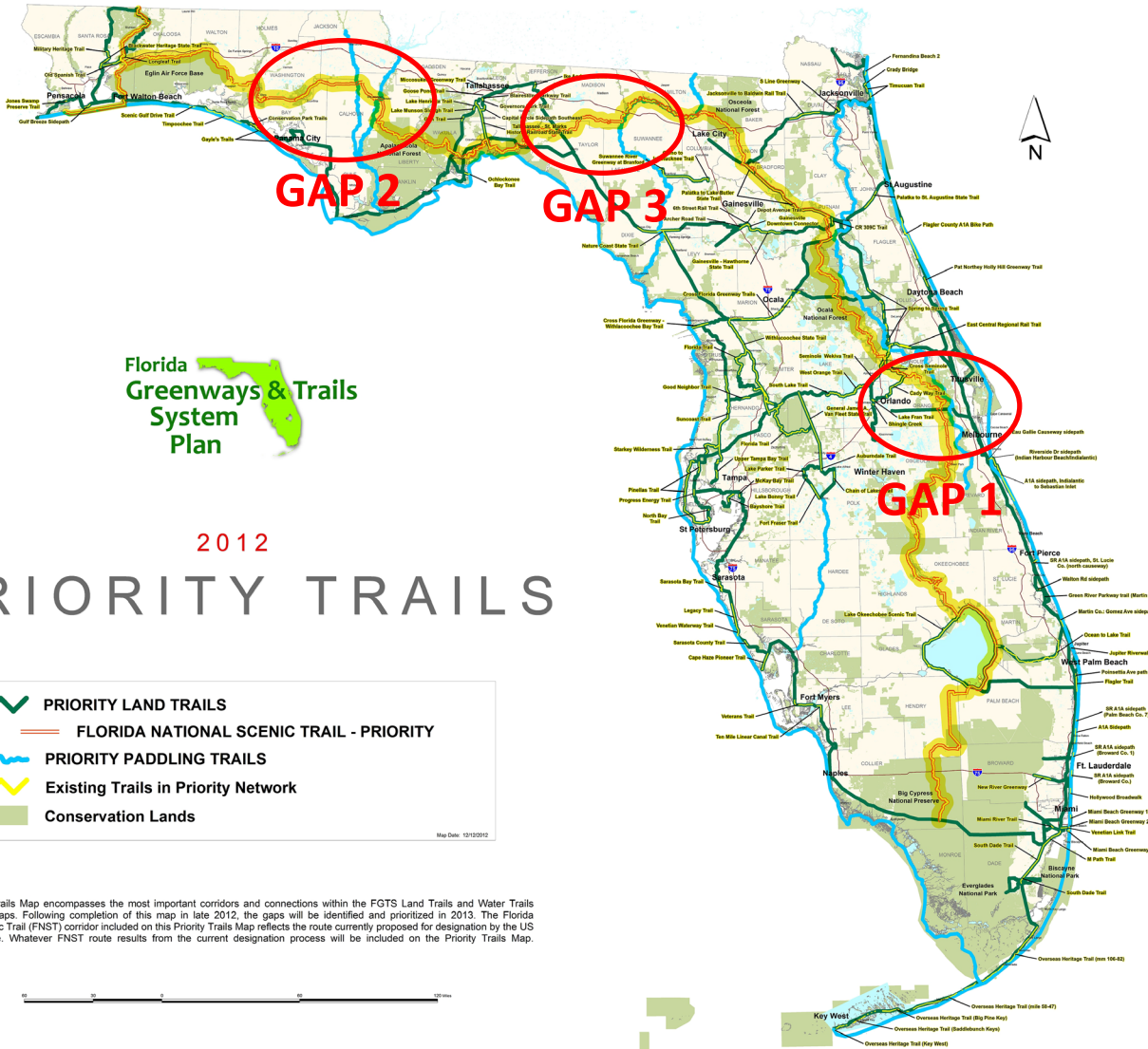
# Close the Gaps

## Florida National Scenic Trail



*Close the Gaps*  
Florida Greenways & Trails Foundation, Incorporated






# 2012 Priority Trails



Florida  
Greenways & Trails  
System  
Plan

2012

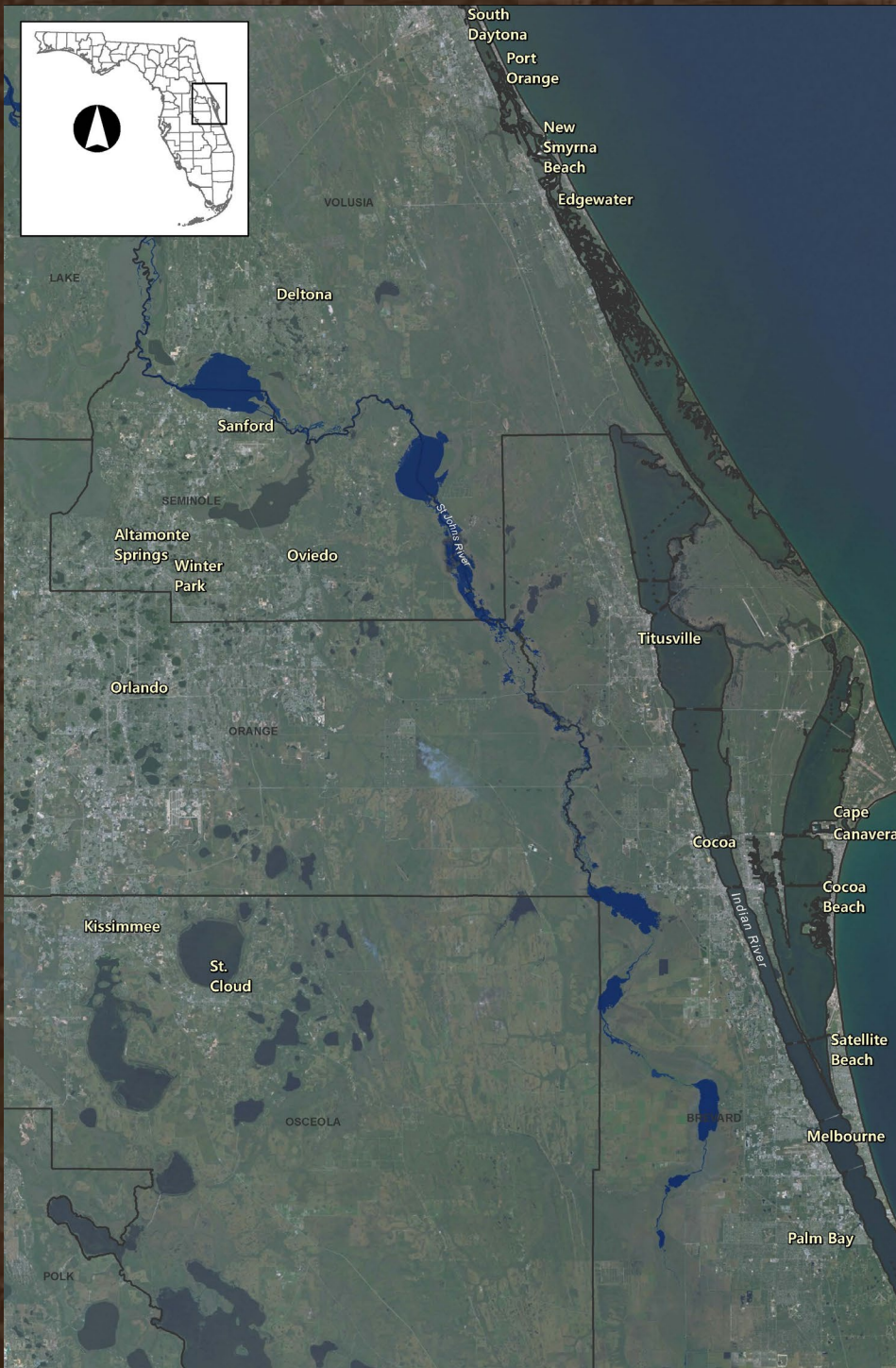
## PRIORITY TRAILS

-  PRIORITY LAND TRAILS
  -  FLORIDA NATIONAL SCENIC TRAIL - PRIORITY
  -  PRIORITY PADDLING TRAILS
  -  Existing Trails in Priority Network
  -  Conservation Lands
- Map Date: 12/12/2012

The Priority Trails Map encompasses the most important corridors and connections within the FGTS Land Trails and Water Trails Opportunity Maps. Following completion of this map in late 2012, the gaps will be identified and prioritized in 2013. The Florida National Scenic Trail (FNST) corridor included on this Priority Trails Map reflects the route currently proposed for designation by the US Forest Service. Whatever FNST route results from the current designation process will be included on the Priority Trails Map.



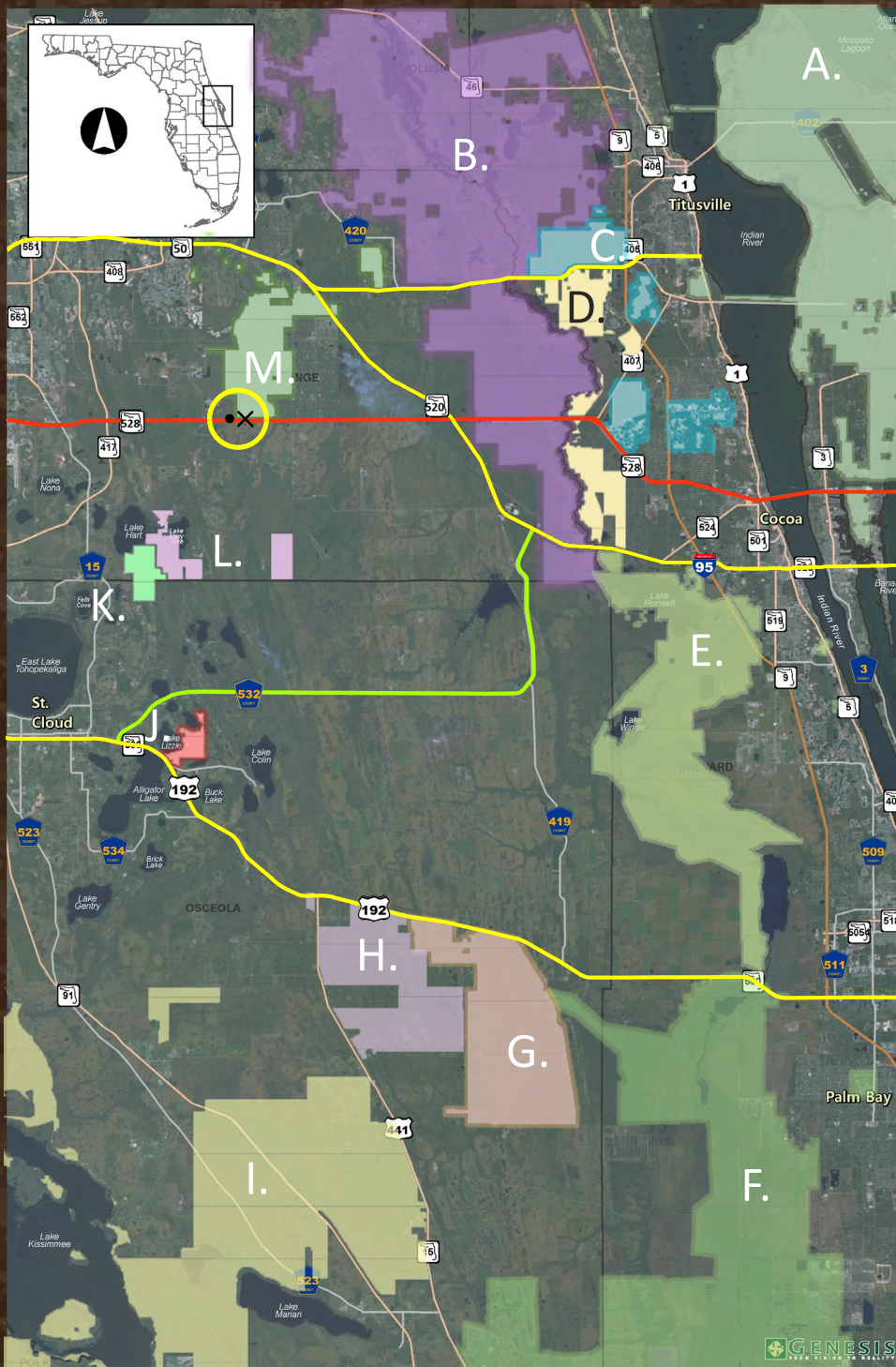
# East Central Florida St Johns River Basin



# Major East-West Roads and Existing Public Lands

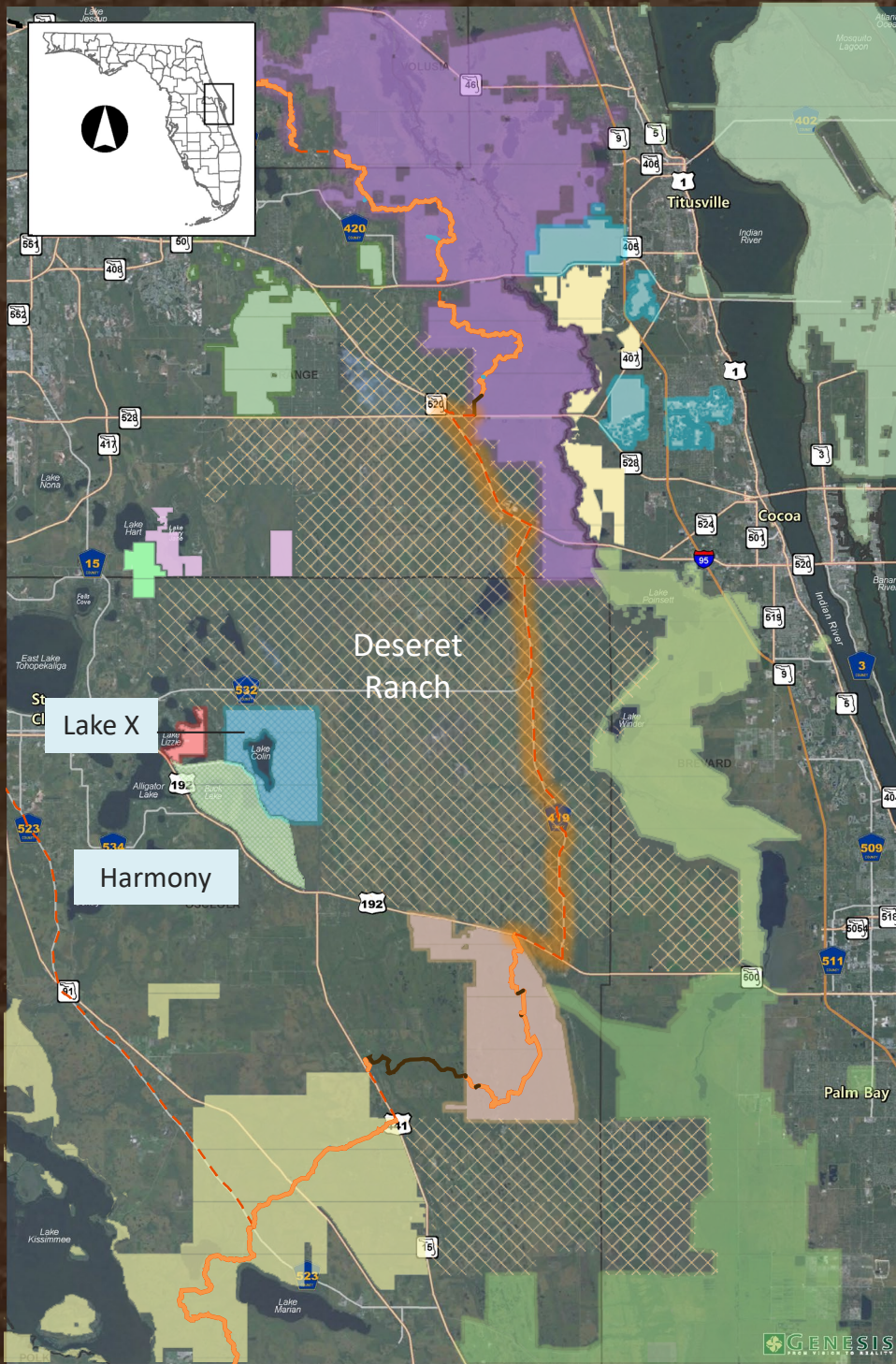
- A. Merritt Island National Wildlife Refuge
- B. Tosohatchee Wildlife Management Area
- C. St Johns National Wildlife Refuge
- D. Canaveral Marshes Conservation Area
- E. River Lakes Conservation Area
- F. Three Forks Conservation Area
- G. Herky Huffman Bull Creek Wildlife Management Area
- H. Triple N Ranch Wildlife Management Area
- I. Three Lakes Wildlife Management Area
- J. Lake Lizzie Conservation Area
- K. Split Oak Forest Mitigation Park Wildlife and Environmental Area
- L. Moss Park
- M. Hal Scott Regional Preserve and Park

**SR 528 Proposed Landbridge Site**



# Original FNST Corridor

Along Deer Park and Nova Road CR 419

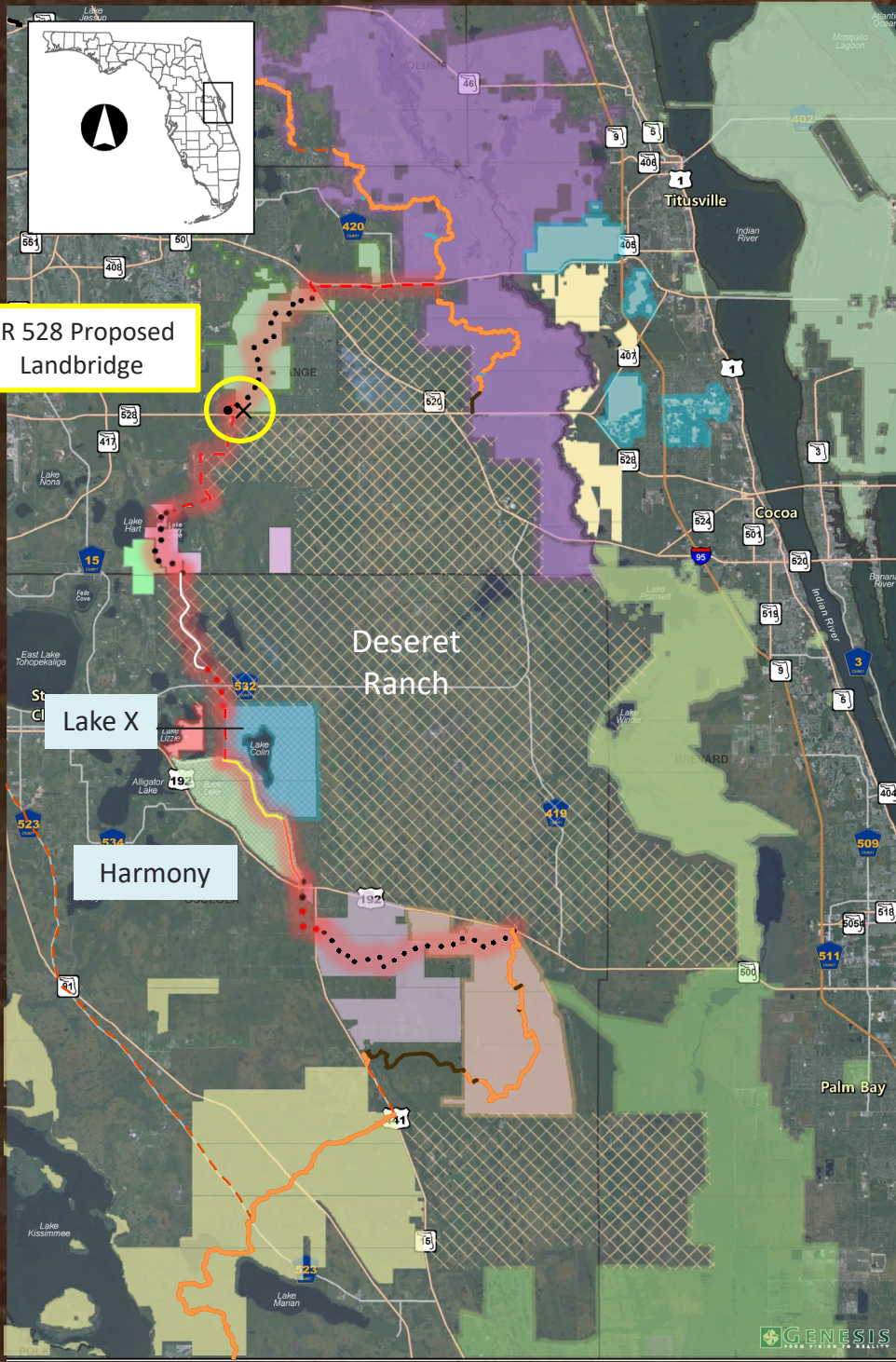


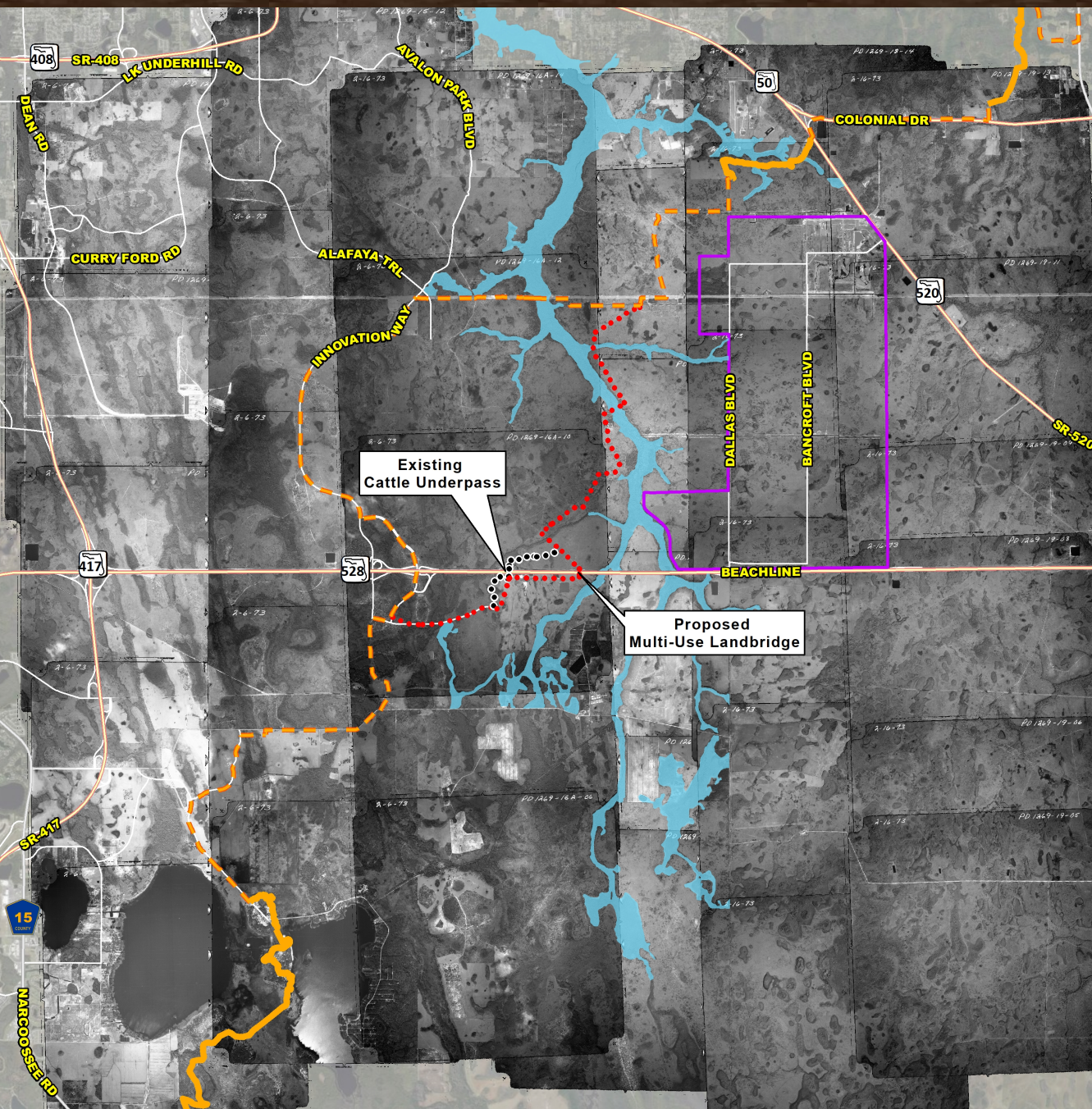


# Current FNST Corridor

Connecting multiple public lands along west side of Deseret Ranch

SR 528 Proposed Landbridge

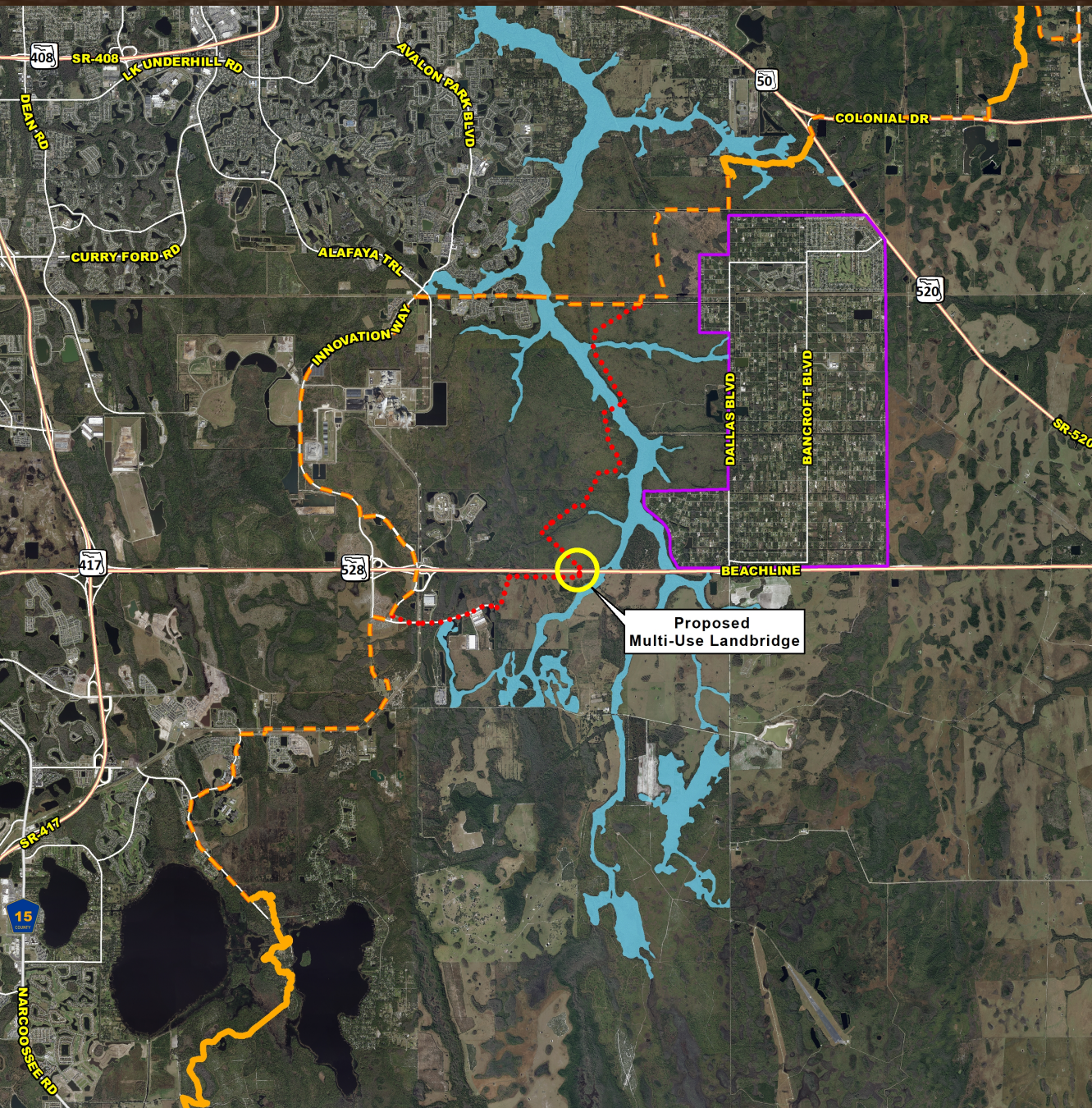




# 1973

- Econlockhatchee River – Largely Undisturbed, Surrounded by Ranch Lands and Agriculture
- SR 528 – Built Over River with Cattle Underpass
- Wedgfield Neighborhood – Under Construction
- Stanton Power Plant – Under Construction





# 2019

- Econlockhatchee River – Still Largely Rural
- SR 528 – High Speed Virgin Train Permitted Parallel and Underpass Eliminated
- Wedgfield Neighborhood – Largely Built-out
- Avalon Park Neighborhood – Rapidly Developing
- Stanton Power Plant – Completed and Expanded, Landfill in Operation
- Orlando Reception Center - Built

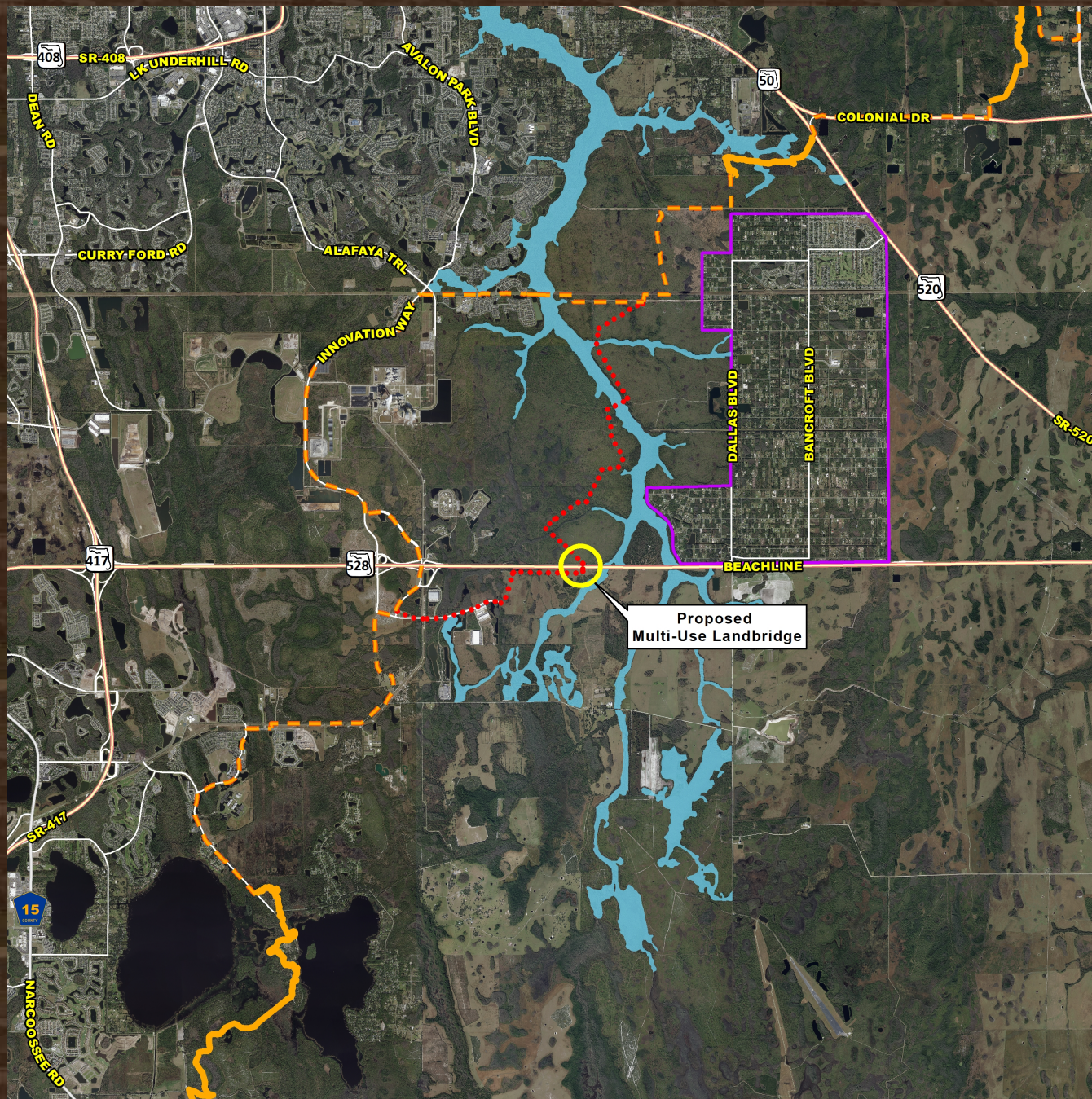


# I-75 Landbridge



# Banff Trans-Canada Highway





**E.**

**OSCEOLA / BREVARD  
COUNTY CONNECTOR  
CONCEPT, FEASIBILITY  
AND MOBILITY  
(CF&M) STUDY**

A wide-angle photograph of a highway construction site at sunset. The sky is a mix of orange, yellow, and blue. In the foreground, a large concrete bridge pier stands on the left. A red crane is positioned in the middle ground. To the right, another bridge pier is under construction, surrounded by scaffolding. In the background, a multi-lane highway with a green overpass is visible. A green road sign for Goldenrod Rd is also present.

**CENTRAL  
FLORIDA  
EXPRESSWAY  
AUTHORITY**

**Osceola/Brevard County Connectors  
Concept, Feasibility, and Mobility Study  
Environmental Stewardship Committee  
— August 20, 2020 —**

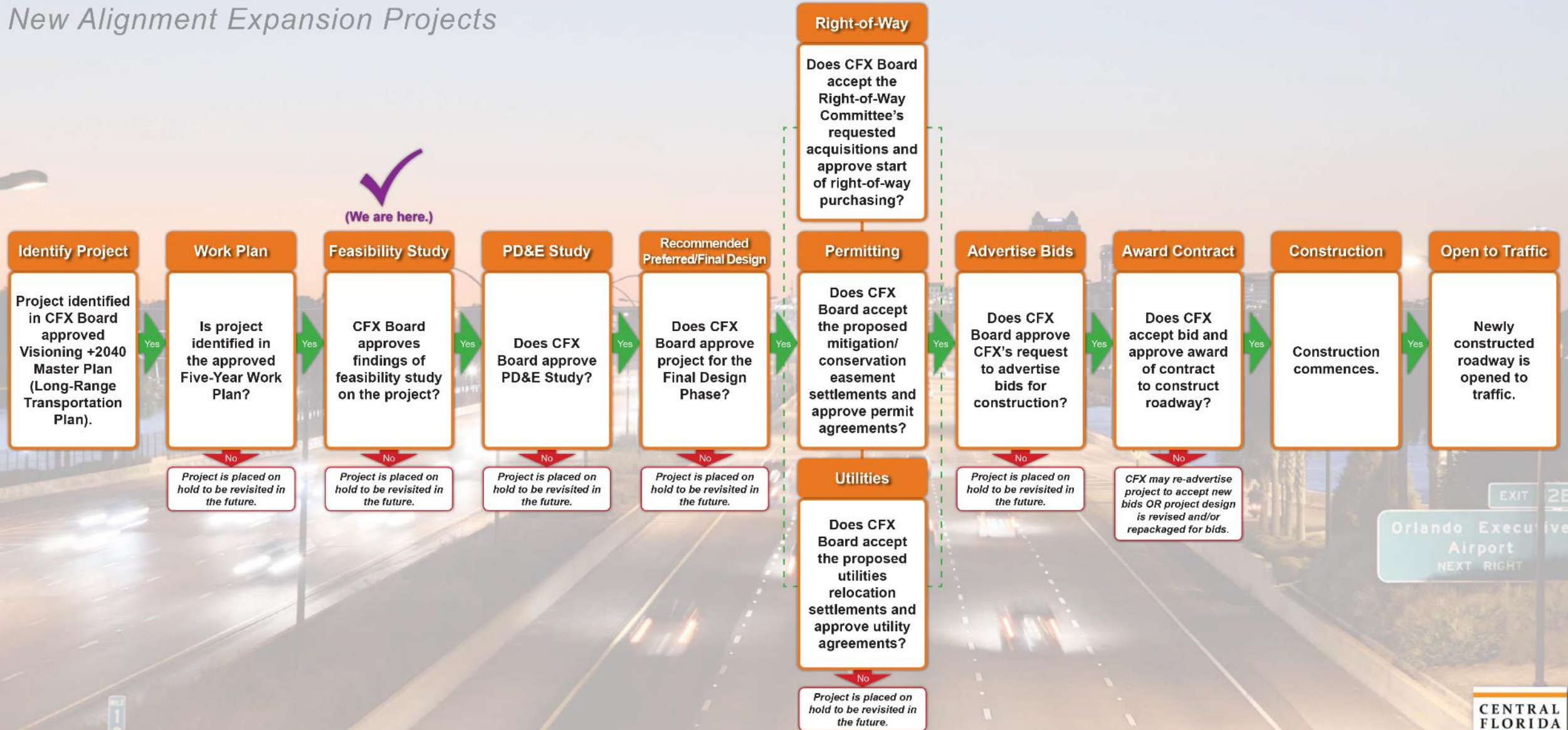


# Agenda

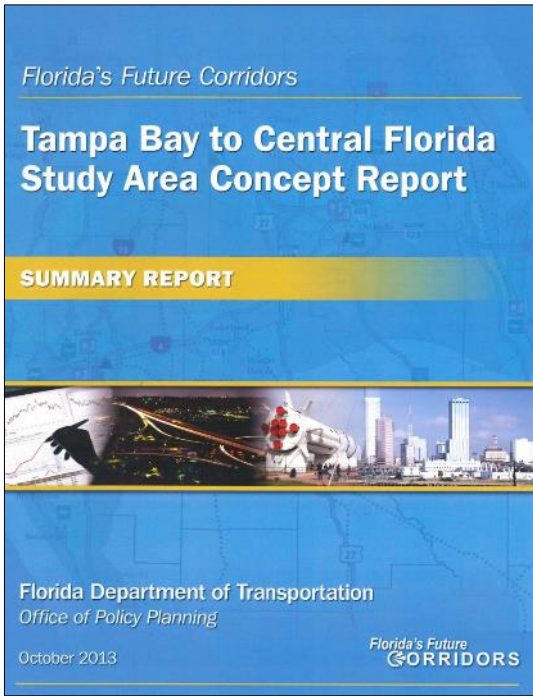
1. CFX Project Development Process
2. Study Information
  - a) Project History
  - b) Study Objective & Methodology
  - c) Project Goals
  - d) Public Involvement
  - e) Study Schedule
  - f) Study Area
  - g) Typical Sections
3. Constraints and Opportunities
4. Input from Committee

# PROJECT DEVELOPMENT PROCESS

## New Alignment Expansion Projects



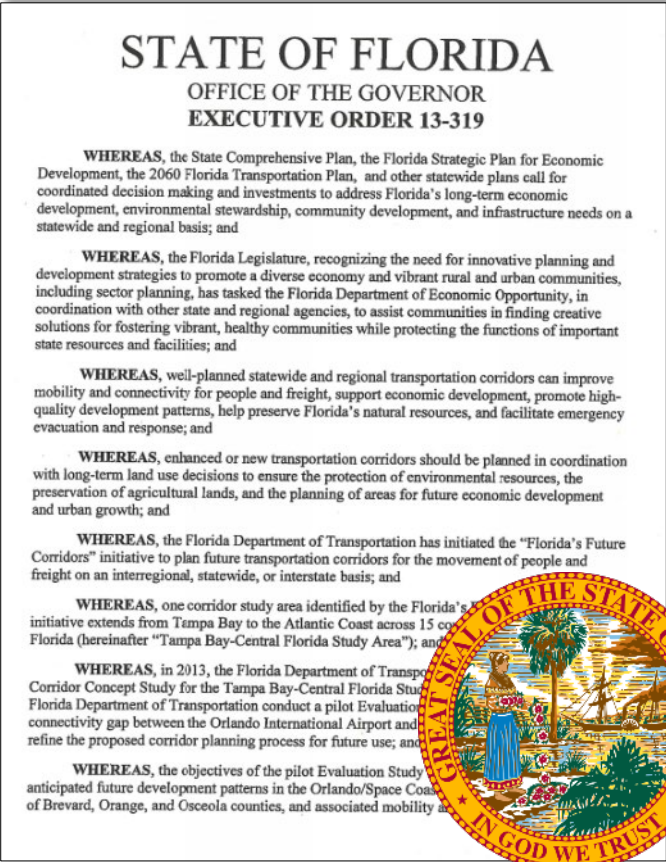
# Project History



October 2013



**RECOMMENDATION**  
*“Convene collaborative process” for Brevard, Osceola, and Orange counties*

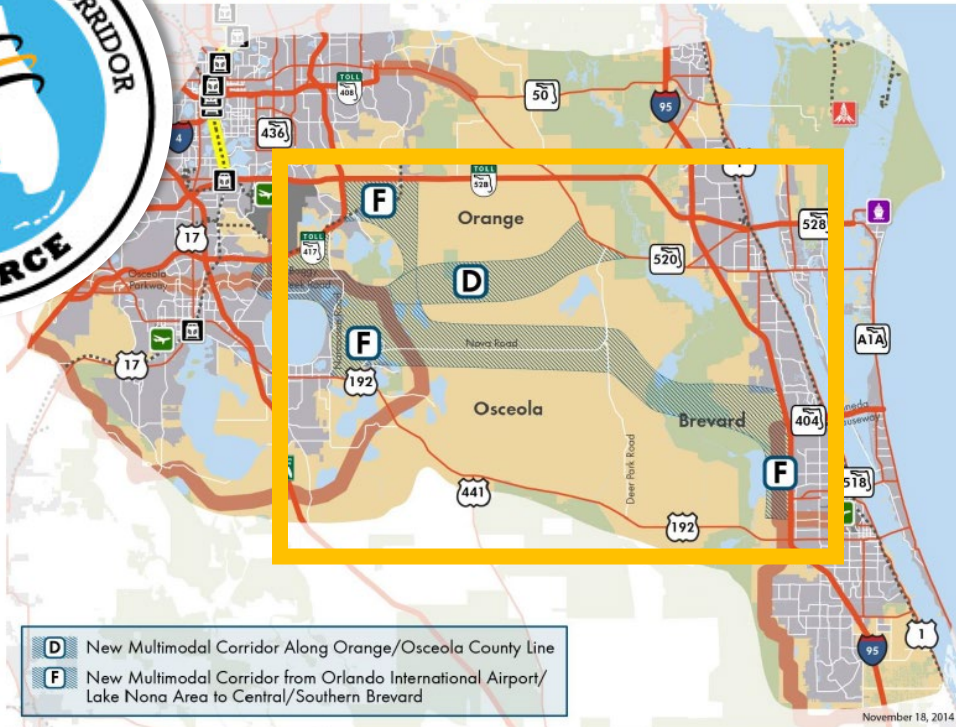


November 2013  
Executive Order

# Project History



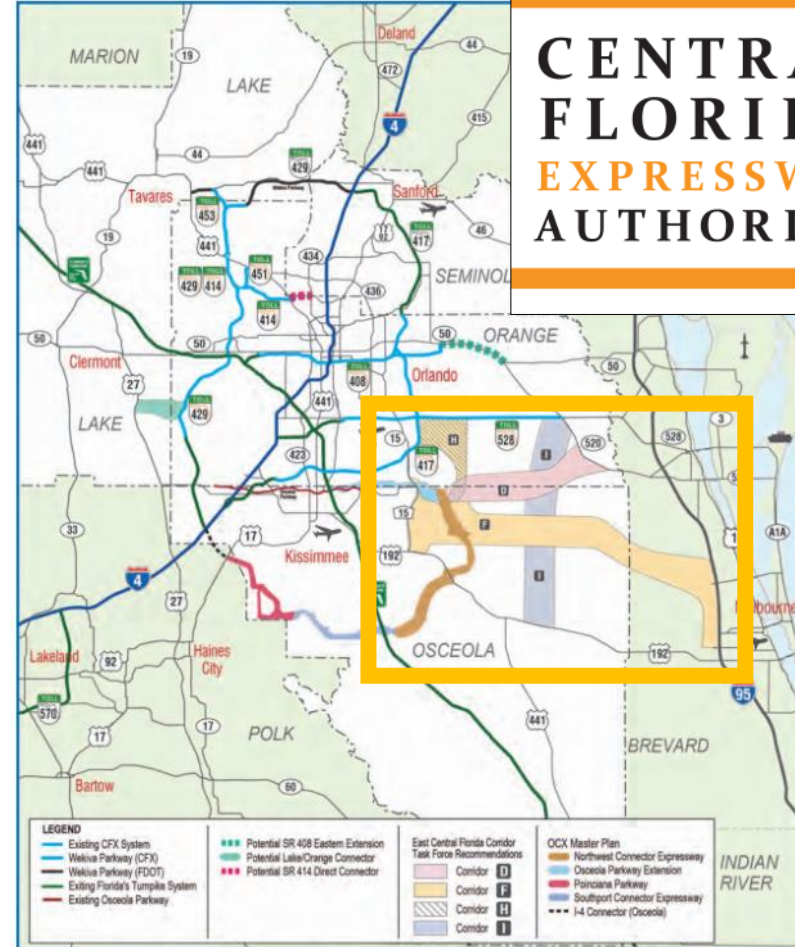
Recommended Study Areas for New East-West Transportation Corridors



- D** New Multimodal Corridor Along Orange/Osceola County Line
- F** New Multimodal Corridor from Orlando International Airport/Lake Nona Area to Central/Southern Brevard

<p><b>Potential Study Area for New Multimodal Corridor</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Potential Study Area for New Multimodal Corridor</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #f4cccc; border: 1px solid #ccc; margin-right: 5px;"></span> Planned Multimodal Improvements</li> </ul>	<p><b>Existing Transportation Facilities</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid red; margin-right: 5px;"></span> Limited Access Facility</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid orange; margin-right: 5px;"></span> Other State Highway</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid grey; margin-right: 5px;"></span> Local Road</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid yellow; margin-right: 5px;"></span> SunRail</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Railroad</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #92d050; border: 1px solid #333; margin-right: 5px;"></span> Major Airport</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #f4cccc; border: 1px solid #333; margin-right: 5px;"></span> Cape Canaveral Spaceport</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #f4cccc; border: 1px solid #333; margin-right: 5px;"></span> Port Canaveral</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #f4cccc; border: 1px solid #333; margin-right: 5px;"></span> SunRail or Amtrak Station</li> </ul>	<p><b>Other Features</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #fce4d6; border: 1px solid #ccc; margin-right: 5px;"></span> East Central Florida Corridor Study Area</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Managed Land</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #f4cccc; border: 1px solid #ccc; margin-right: 5px;"></span> Urbanized Area</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #f4cccc; border: 1px solid #ccc; margin-right: 5px;"></span> Airport Boundary</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Water Body</li> <li><span style="display: inline-block; width: 15px; border-bottom: 1px solid black; margin-right: 5px;"></span> County Boundary</li> </ul>
--	---	---

0 5 10 Miles

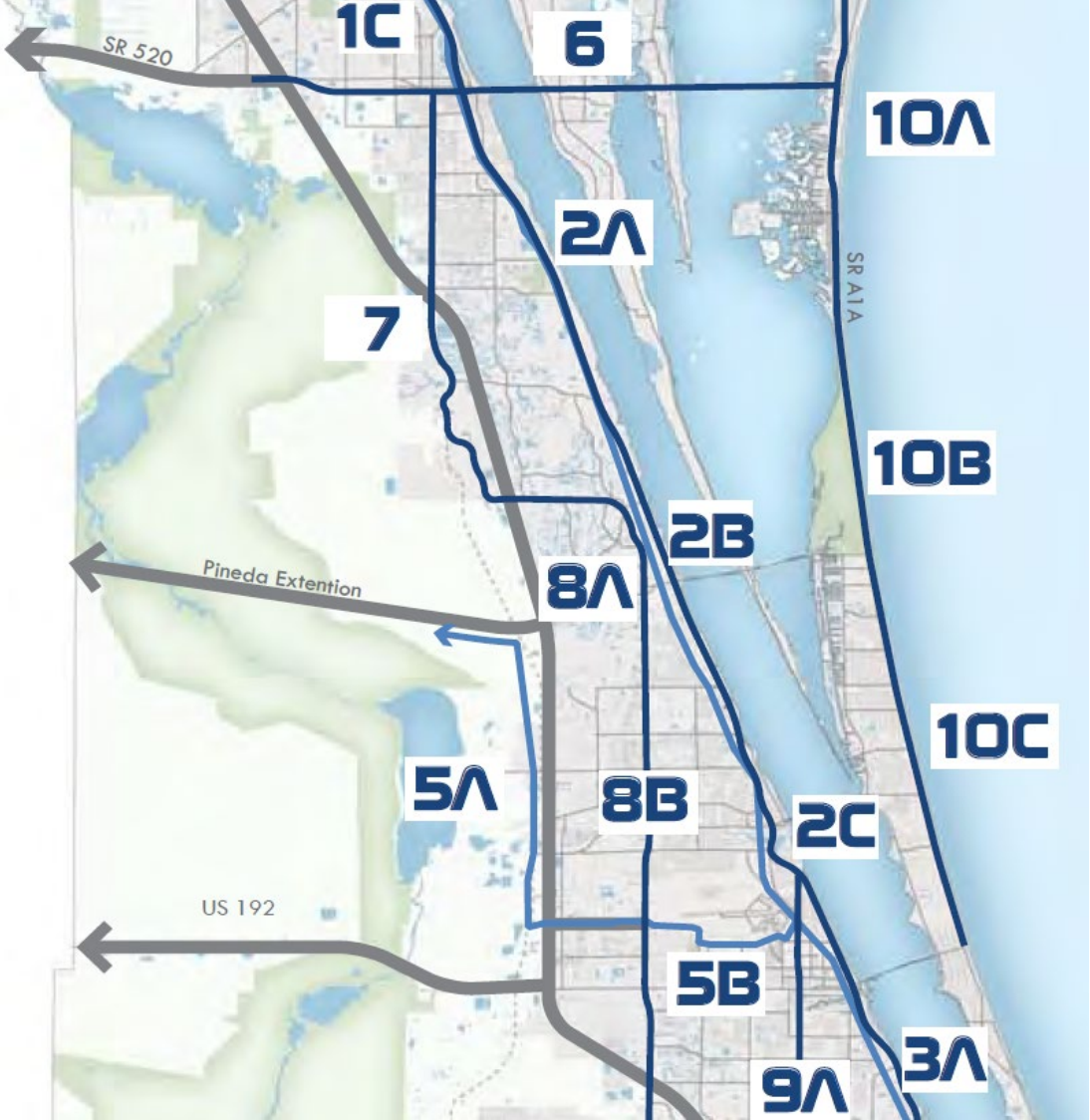


<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid blue; margin-right: 5px;"></span> Existing CFX System</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid green; margin-right: 5px;"></span> Welive Parkway (CFX)</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid black; margin-right: 5px;"></span> Welive Parkway (FDOT)</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid red; margin-right: 5px;"></span> Existing Florida's Turnpike System</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid black; margin-right: 5px;"></span> Existing Osceola Parkway</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Potential SR 409 Eastern Extension</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Potential Lake/Orange Connector</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Potential SR 414 Direct Connector</li> </ul>	<p><b>East Central Florida Corridor Task Force Recommendations</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Corridor D</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Corridor F</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Corridor H</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; border: 1px solid #ccc; margin-right: 5px;"></span> Corridor I</li> </ul>	<p><b>OCX Master Plan</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid blue; margin-right: 5px;"></span> Northwest Connector Expressway</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid green; margin-right: 5px;"></span> Osceola Parkway Extension</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid red; margin-right: 5px;"></span> Palmetto Parkway</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px solid black; margin-right: 5px;"></span> Southport Connector Expressway</li> <li><span style="display: inline-block; width: 15px; border-bottom: 2px dashed black; margin-right: 5px;"></span> I-4 Connector (Osceola)</li> </ul>
---	---	---

CENTRAL FLORIDA EXPRESSWAY AUTHORITY **2040 MASTER PLAN** Potential New Expressway Projects **FIGURE 5-1**

# Space Coast TPO Vision Plan

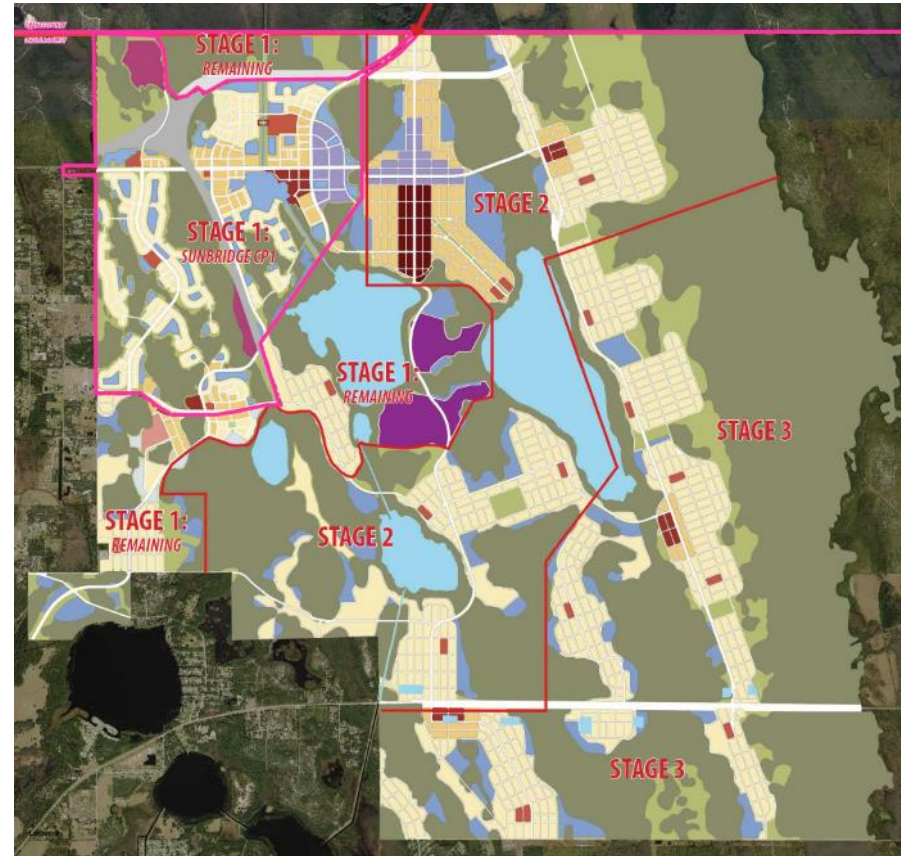
Pineda Extension



# Major Property Owners

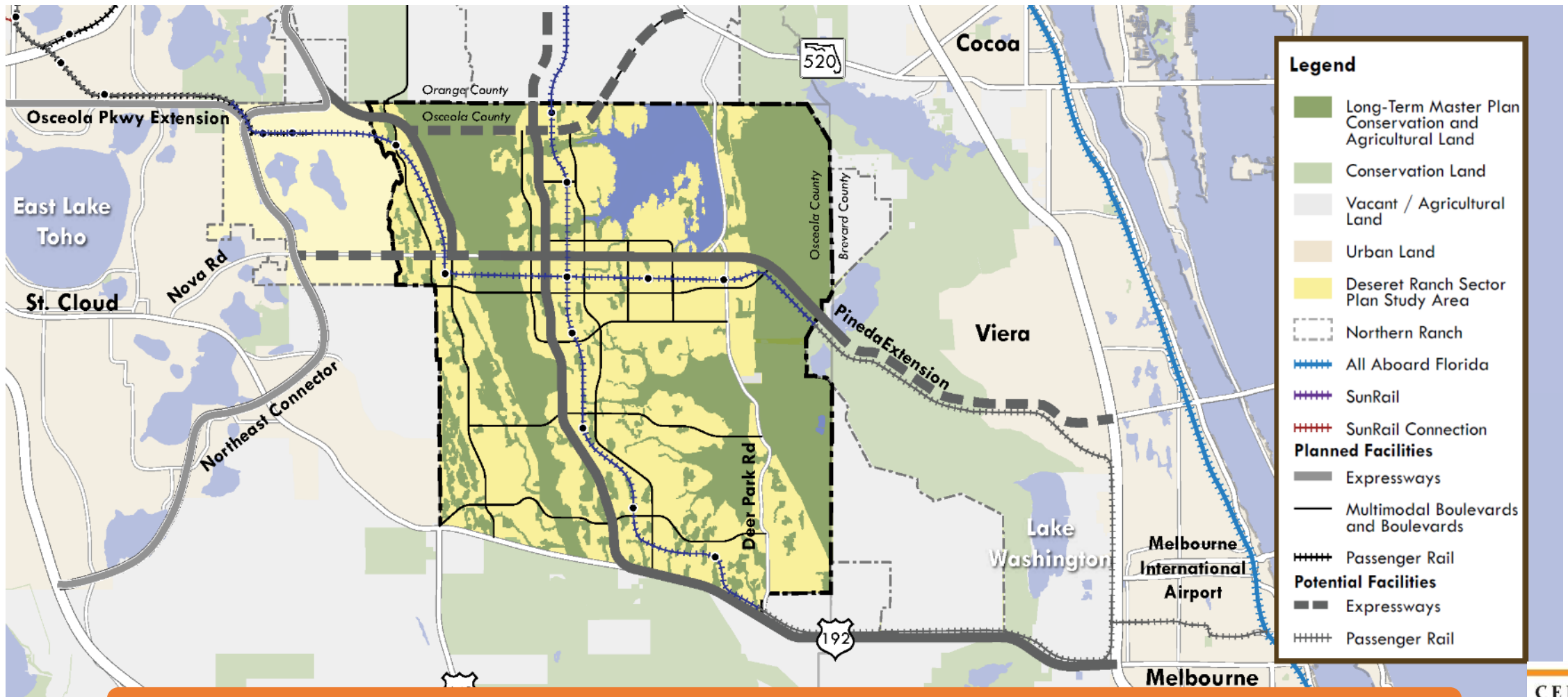


# Northeast District Element - Sunbridge



Northeast District Element Conceptual Master Plan & Sunbridge Stage Plan

# North Ranch Sector Plan

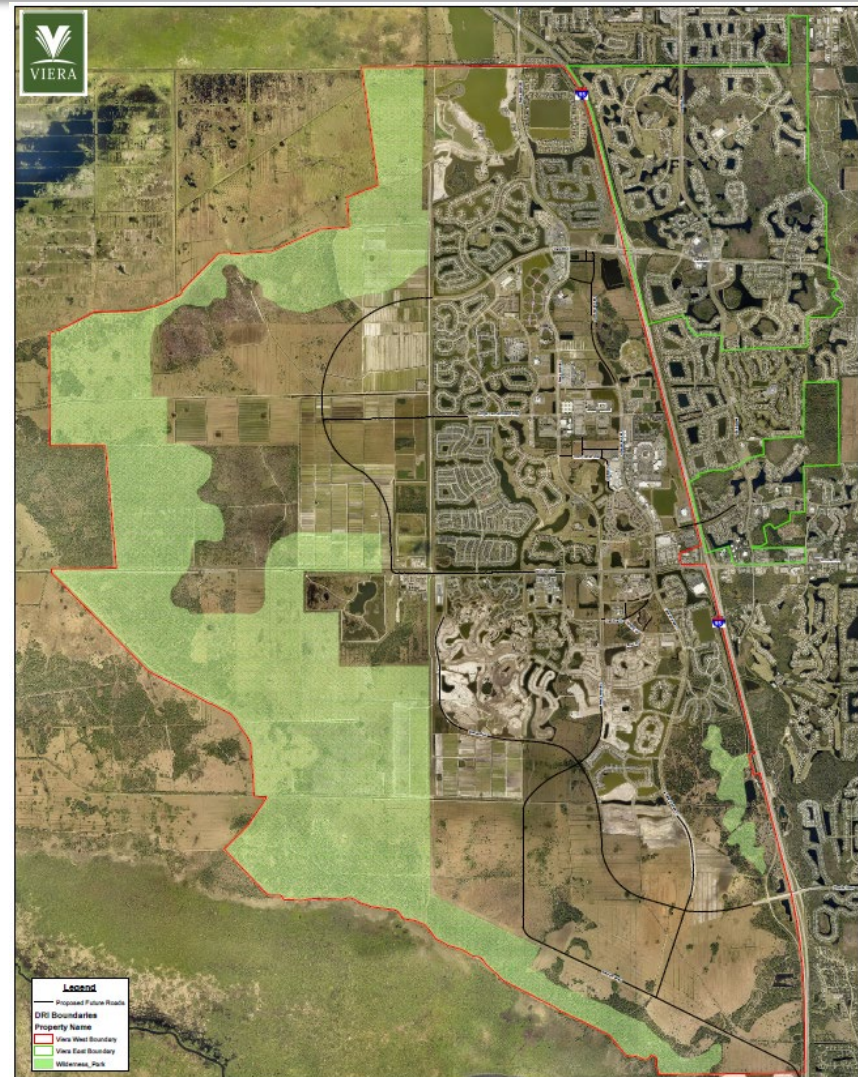
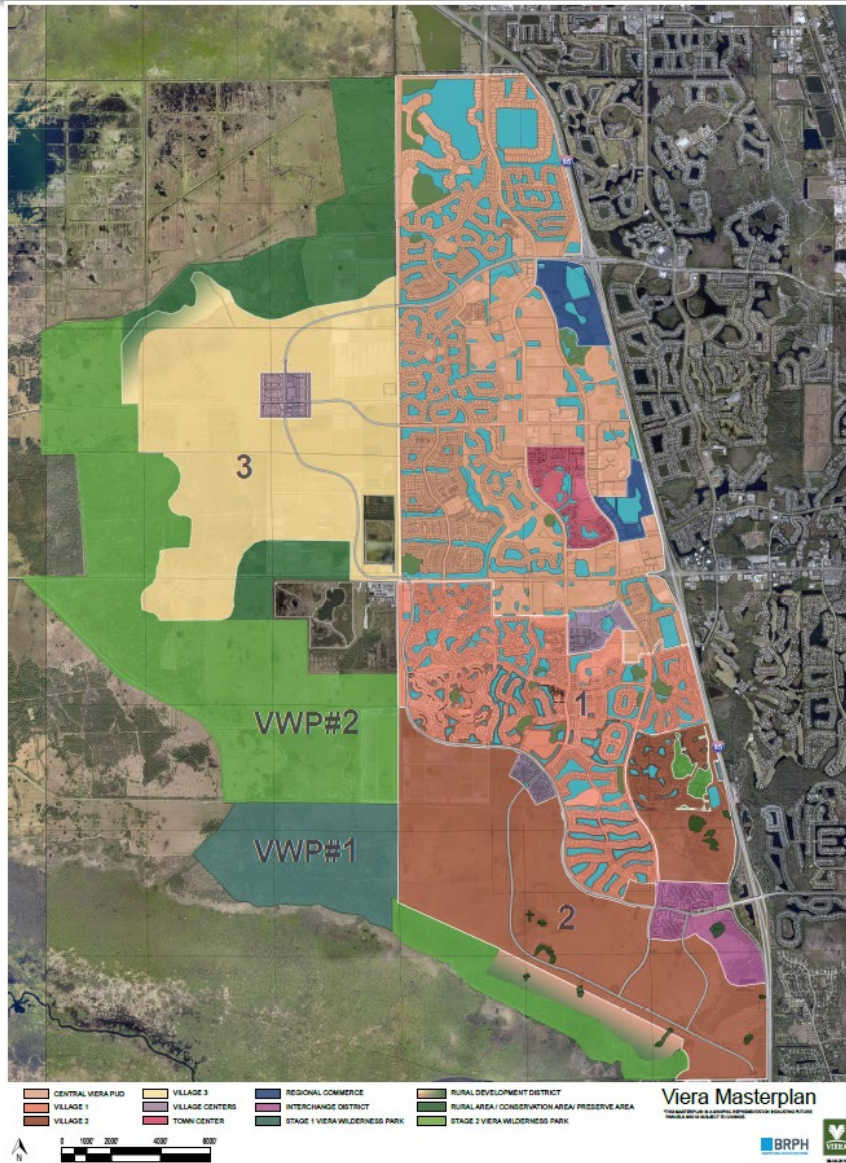


North Ranch Sector Plan – Long-Term Master Plan Transportation Plan



# Viera Master Plan

Viera Master Plan & Aerial



# Study Objective & Methodology

- To determine if the yet to be identified alternatives are feasible from an engineering and environmental standpoint.
- Analyze and document potential impacts
  - Physical
  - Natural
  - Social
  - Cultural

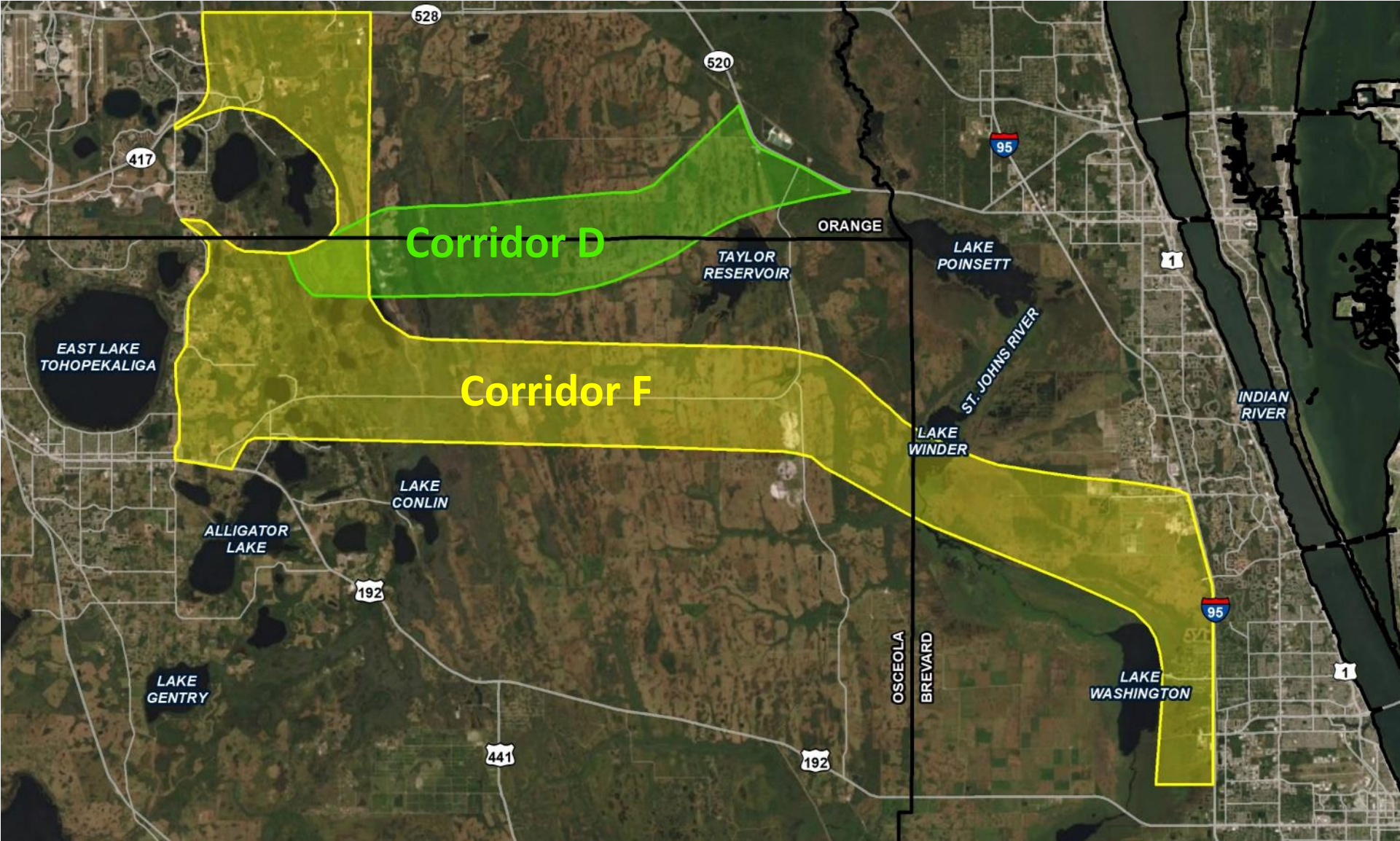
# Project Goals

- Promote regional connectivity.
  - Between Osceola Co. and northern Brevard Co. (Corridor D)
  - Between Osceola Co. and central/southern Brevard Co. (Corridor F)
- Identify transportation mobility options.
- Enhance mobility of the area's growing population and economy.
- Provide consistency with local plans and policies.
- Improve resiliency and enhance evacuation routes.
- Fulfill the recommendation of the East Central Florida Corridor Task Force to evaluate these corridors.

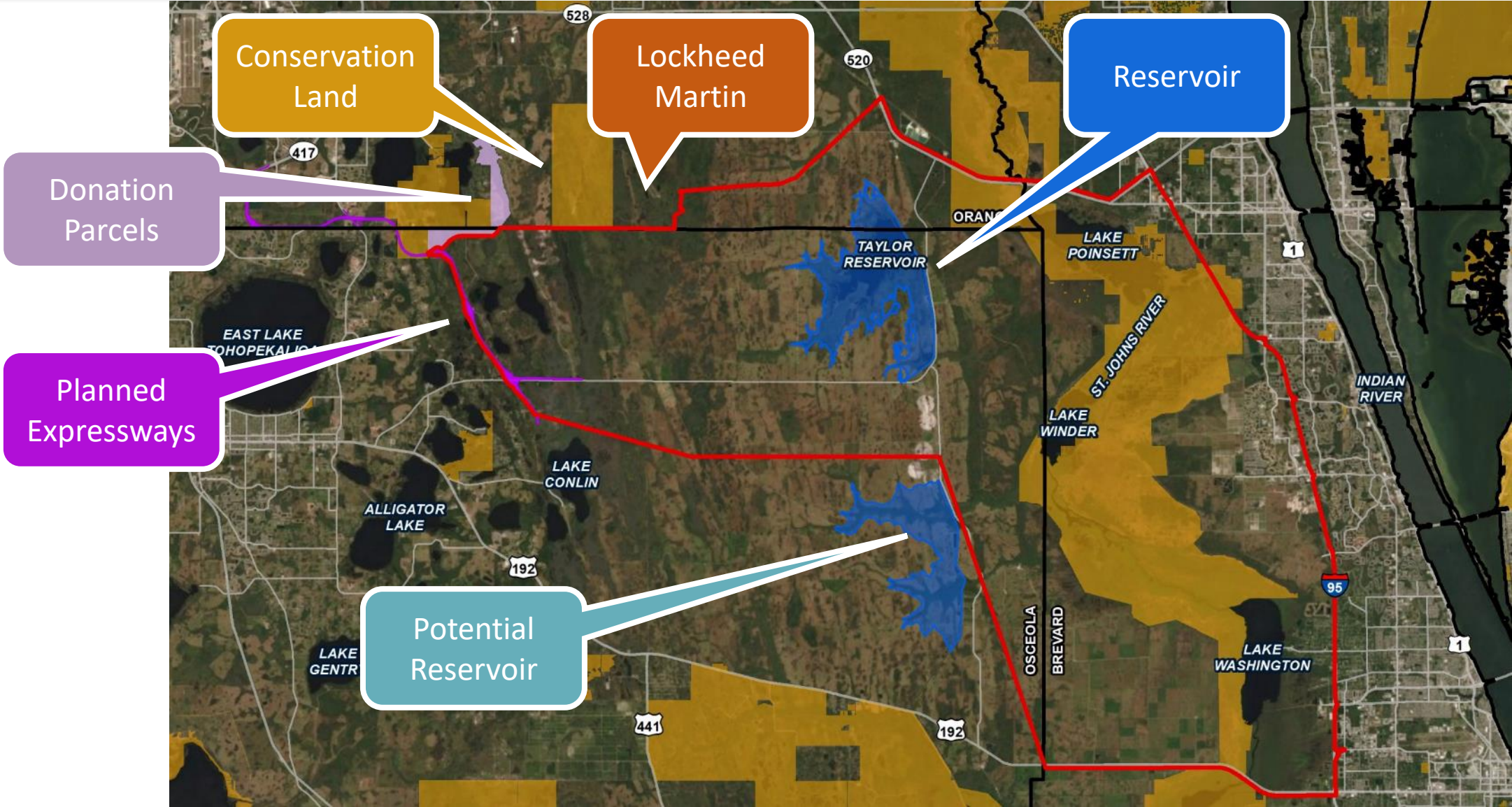
# Public Involvement

- Multiple opportunities for involvement
- Environmental & Project Advisory Groups
- Public Meetings
- Board Presentations
  - CFX, Osceola & Brevard Counties, MetroPlan Orlando, Space Coast Transportation Planning Organization
- Stakeholder Meetings
- CFX Study Webpage

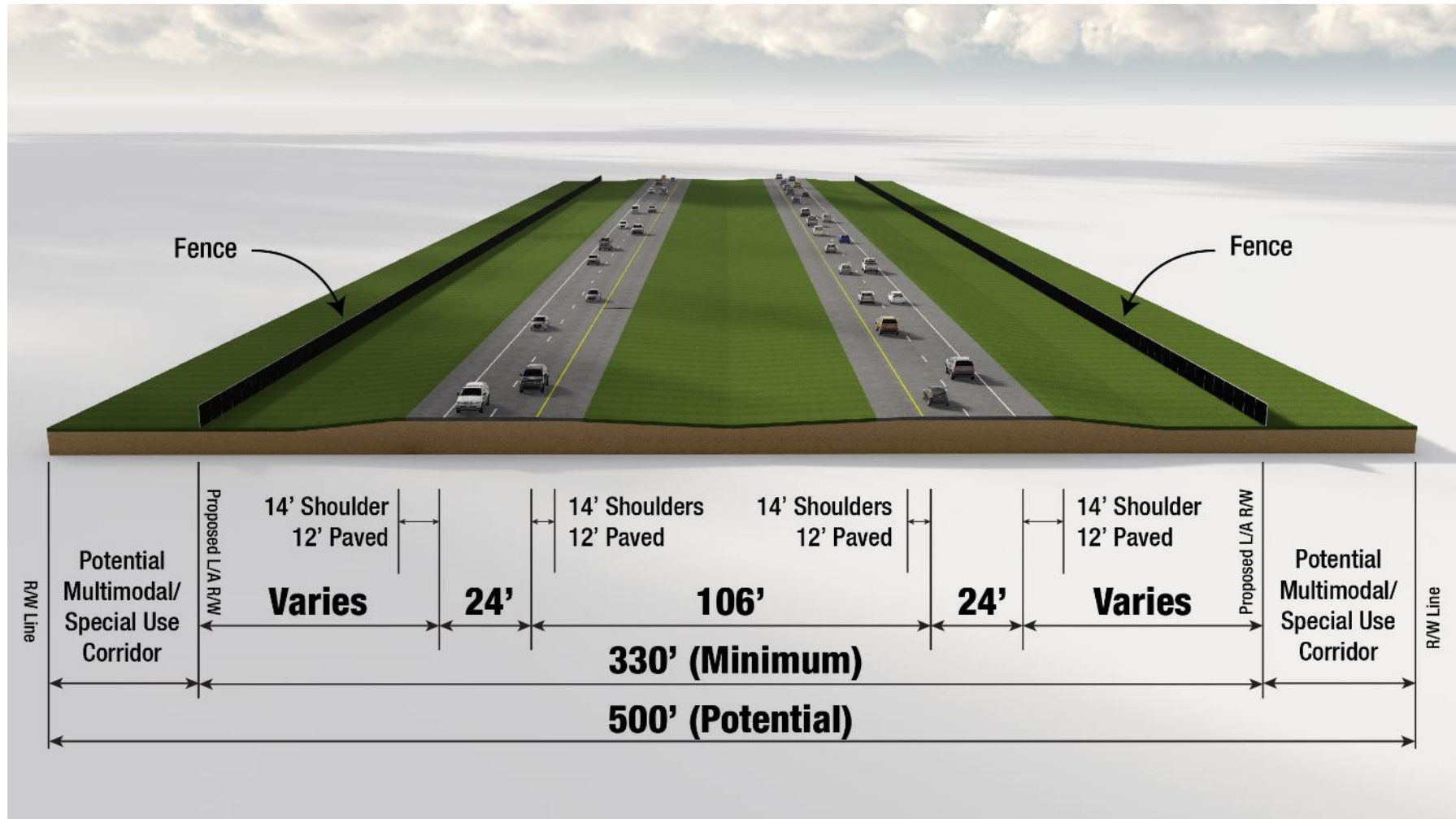
# Study Areas – from Task Force



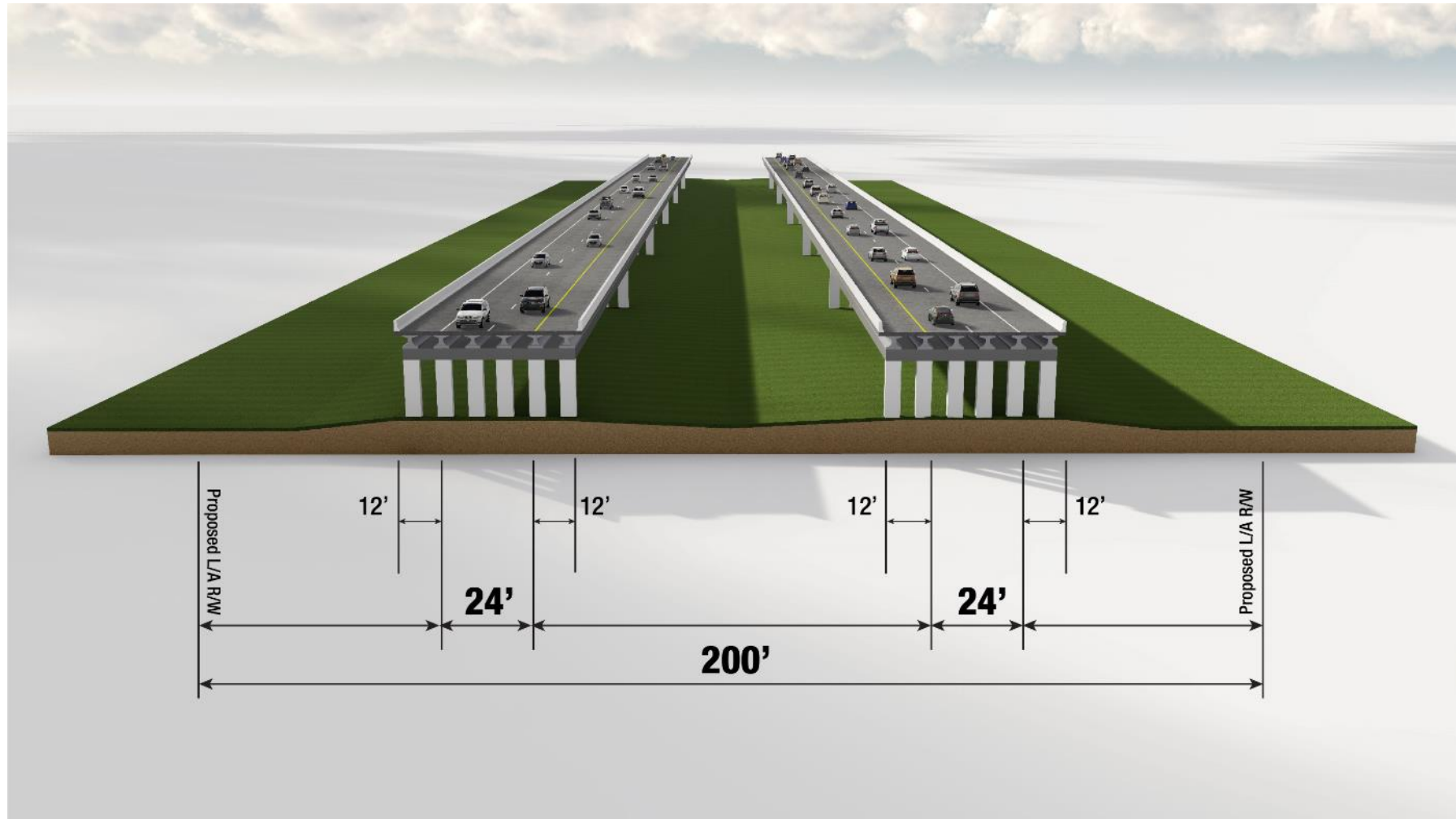
# Study Area for CF&M Study



# Typical Section

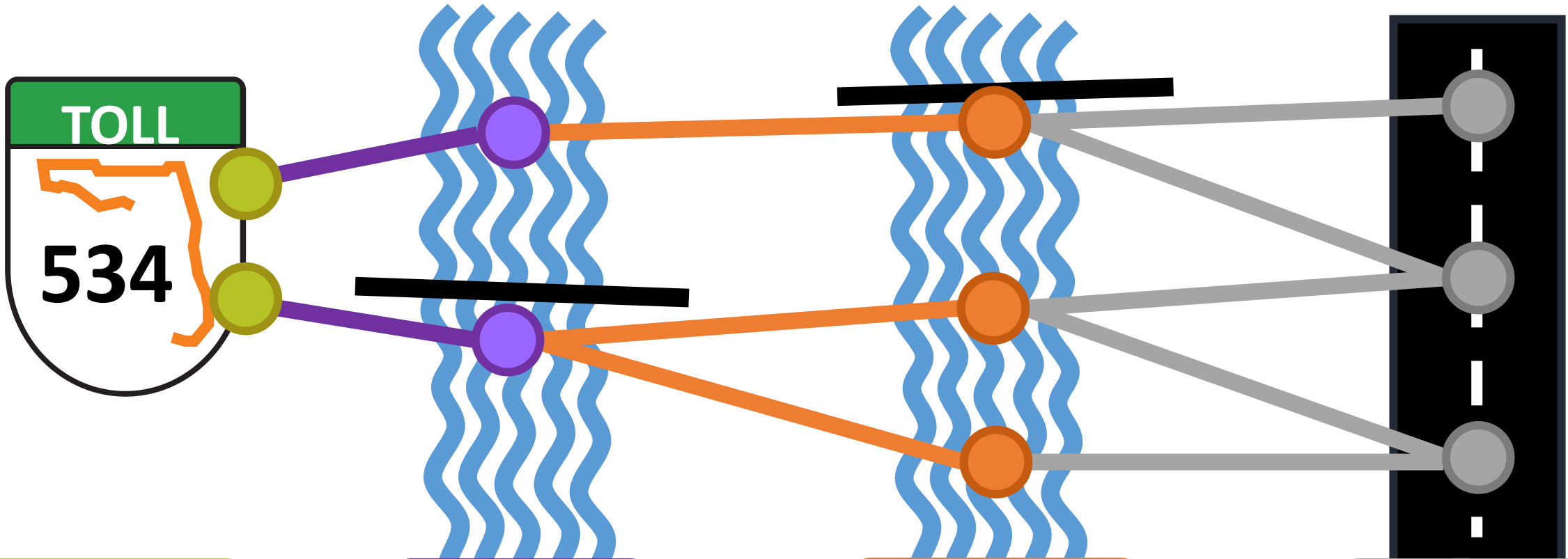


# Typical Section - Reduced





# Connecting the Dots: Decision Points



Connection to CFX Expressway

Crossing Econ. River

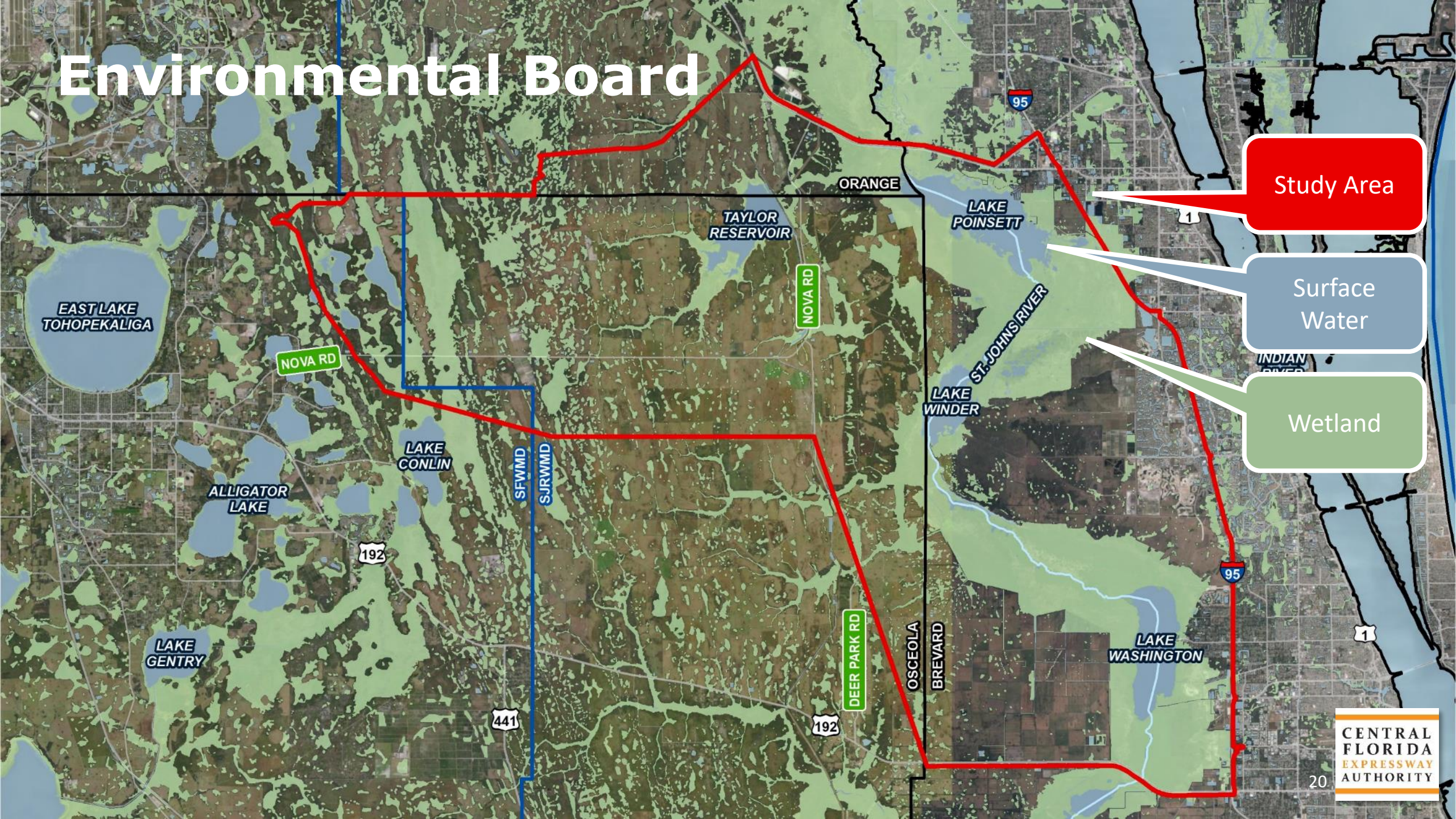
Crossing St. Johns River

Connecting to I-95

# Constraints & Opportunities

- Development of Environmental Board
- Development of Alternatives Board

# Environmental Board

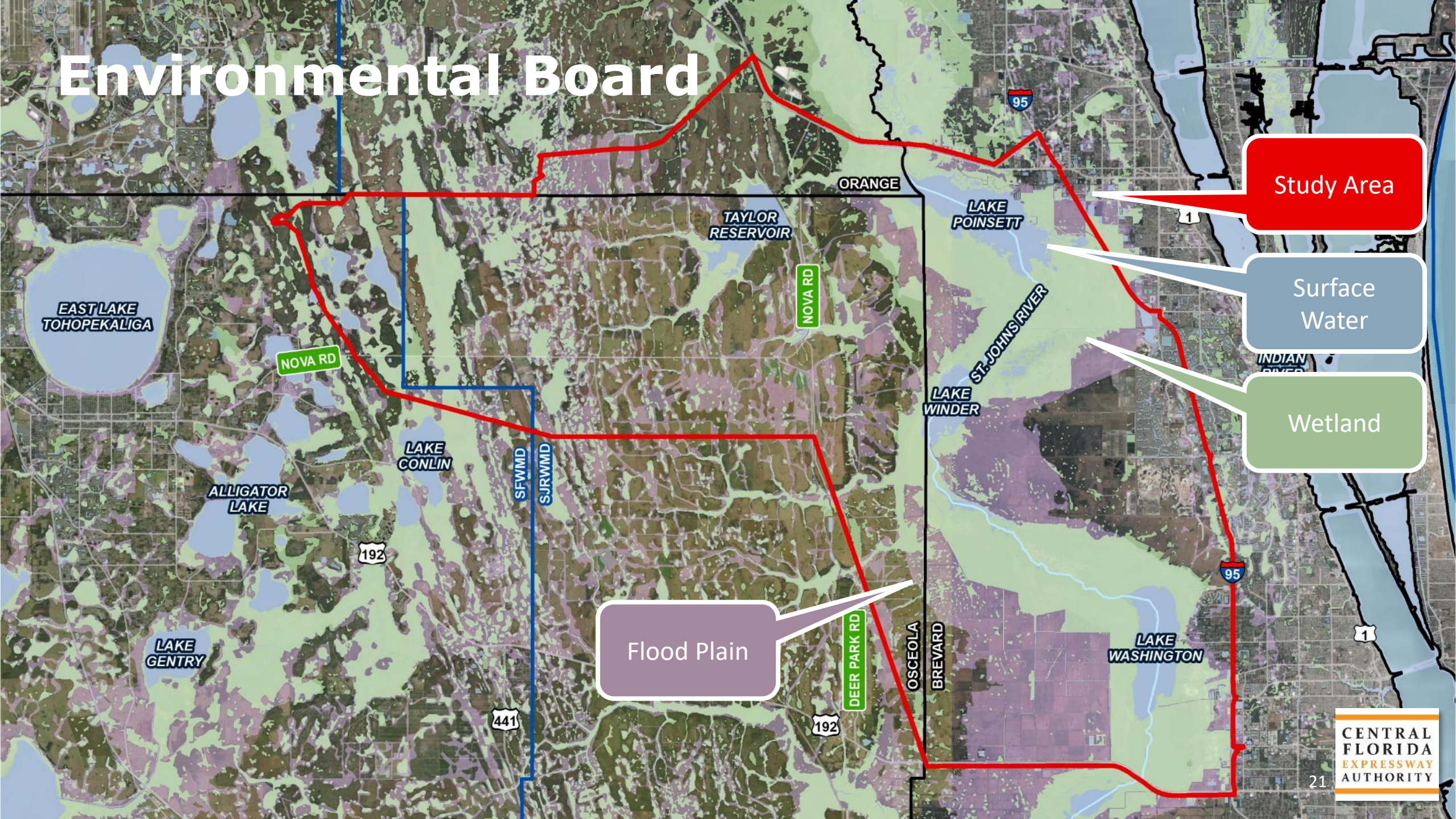


Study Area

Surface Water

Wetland

# Environmental Board



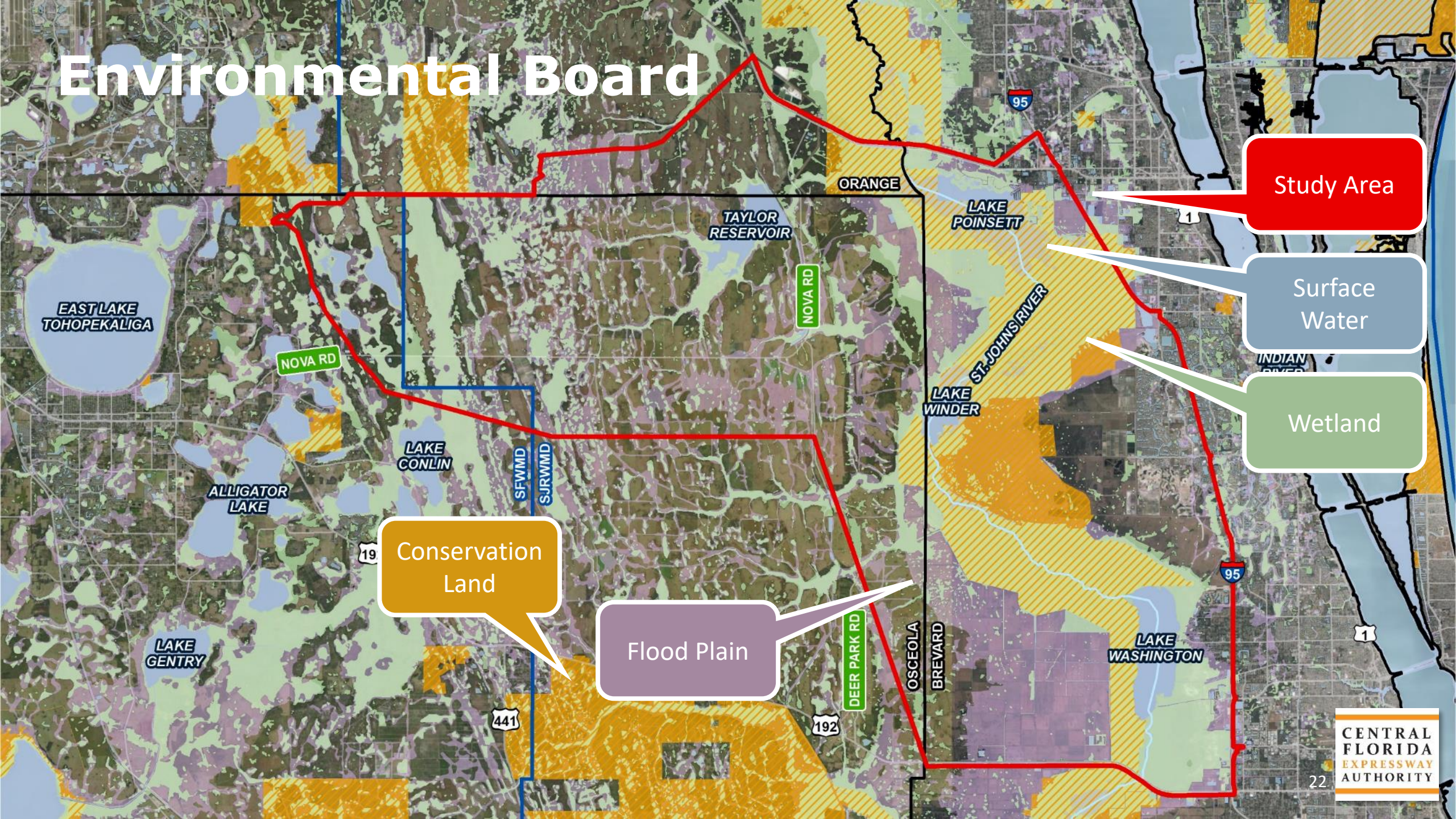
Study Area

Surface Water

Wetland

Flood Plain

# Environmental Board



Study Area

Surface Water

Wetland

Conservation Land

Flood Plain

# Environmental Board

Potential Mitigation Bank

Study Area

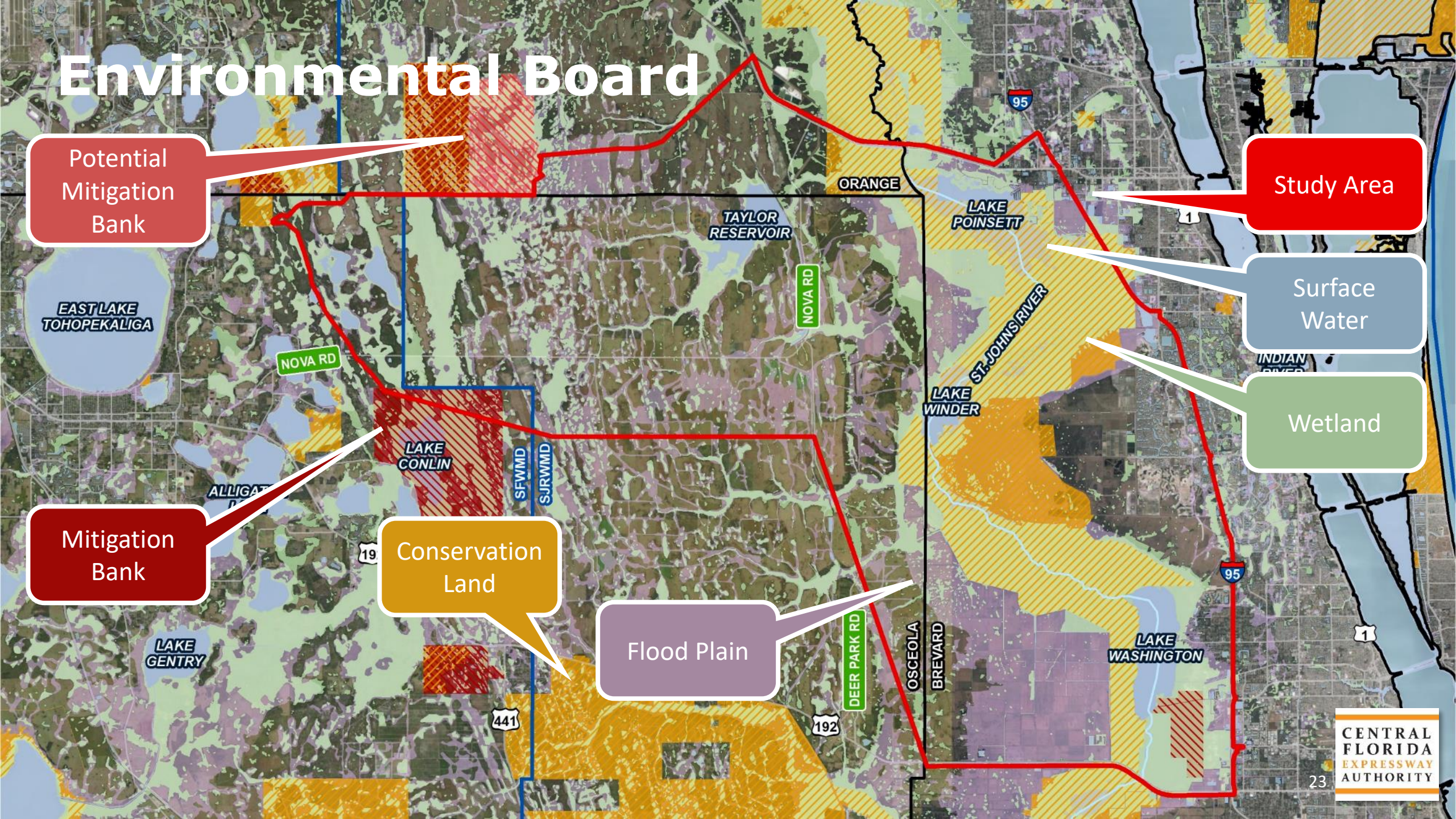
Surface Water

Wetland

Mitigation Bank

Conservation Land

Flood Plain



# Environmental Board

Potential Mitigation Bank

Outstanding Florida Water

Mitigation Bank

Everglades NWR

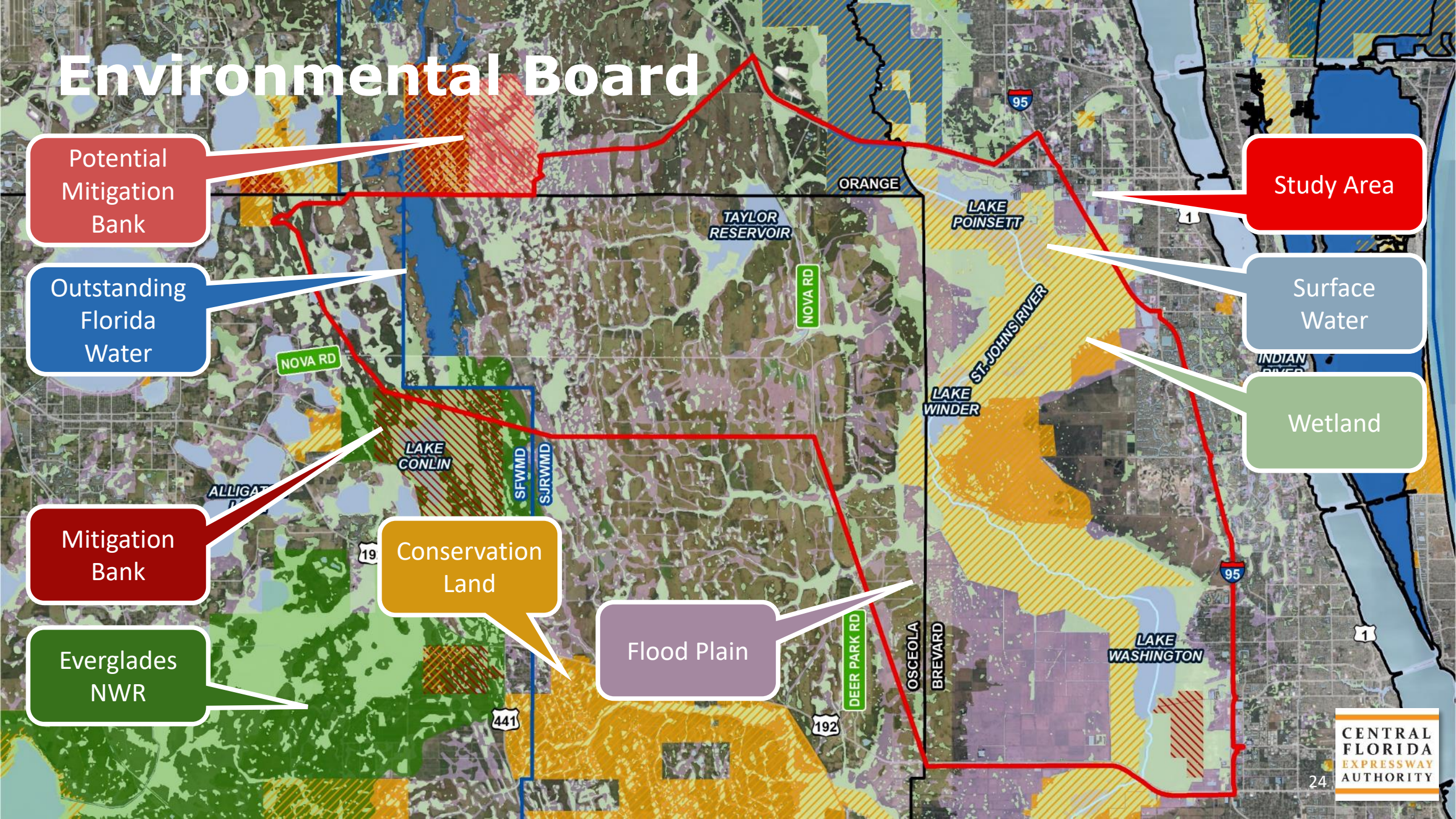
Conservation Land

Flood Plain

Study Area

Surface Water

Wetland



# Environmental Board

Potential Mitigation Bank

Outstanding Florida Water

Mitigation Bank

Everglades NWR

Conservation Land

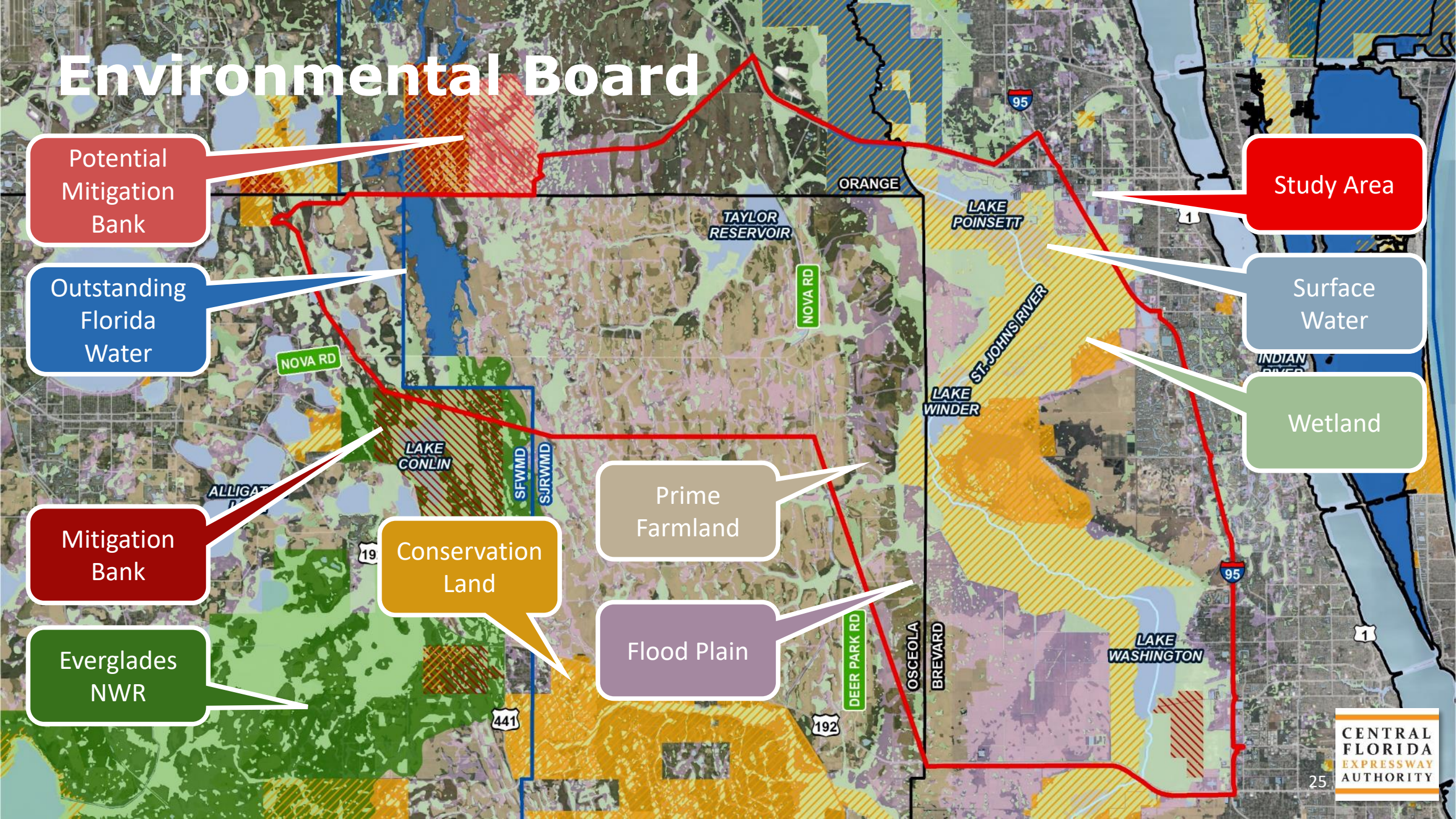
Prime Farmland

Flood Plain

Study Area

Surface Water

Wetland





# Environmental Board

Potential Mitigation Bank

Outstanding Florida Water

Mitigation Bank

Everglades NWR

Conservation Land

Prime Farmland

Flood Plain

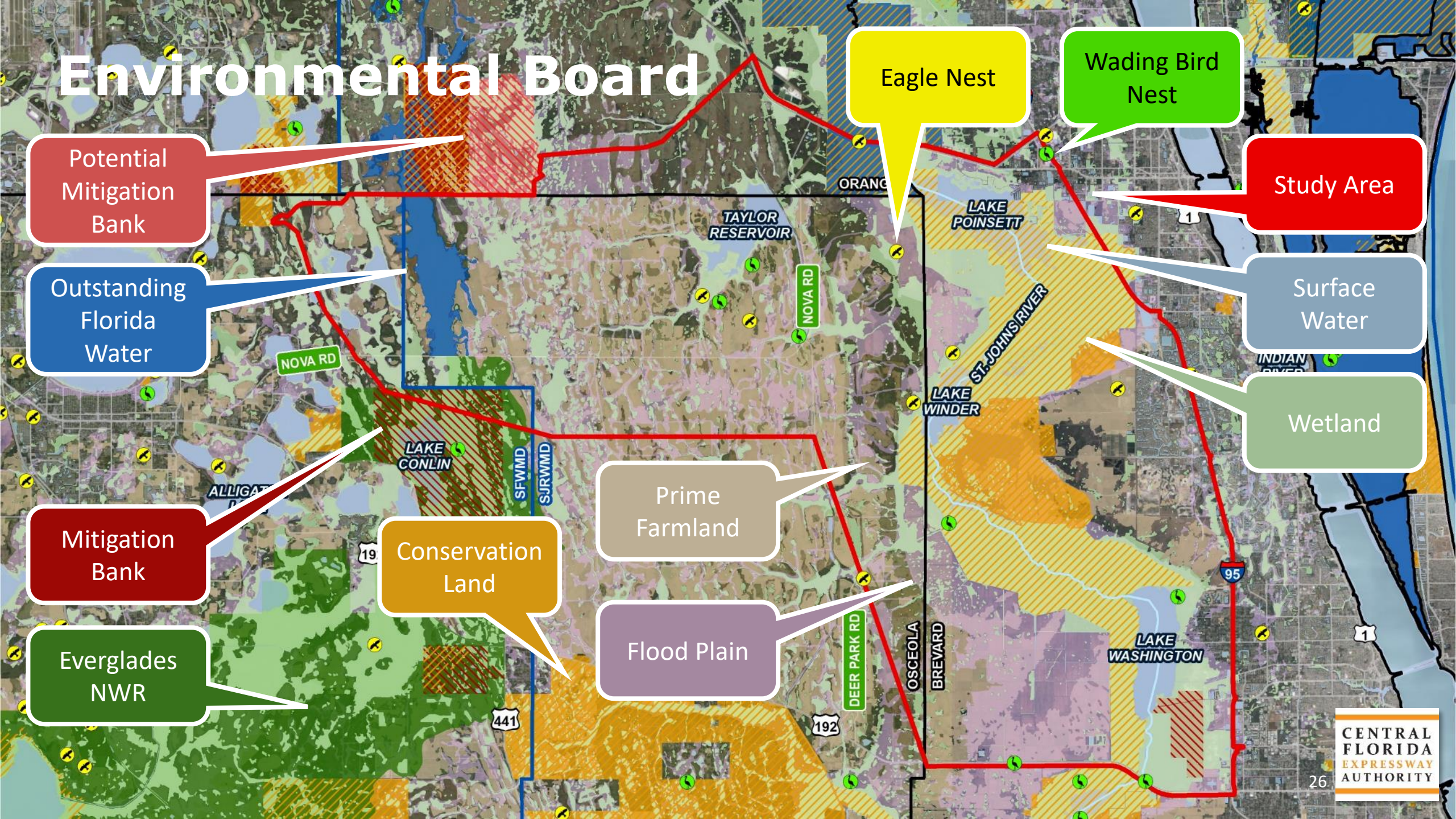
Eagle Nest

Wading Bird Nest

Study Area

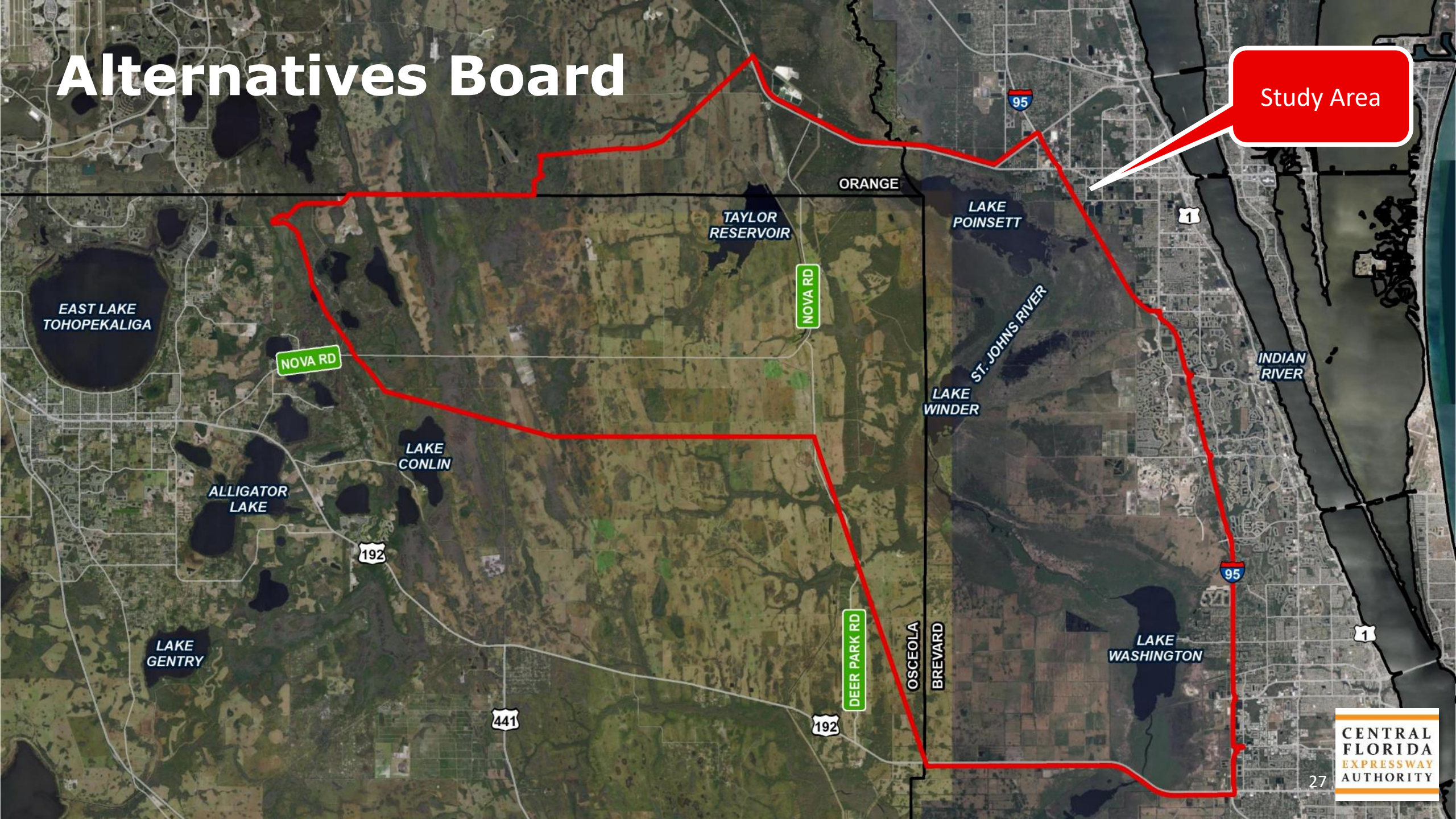
Surface Water

Wetland



# Alternatives Board

Study Area



# Alternatives Board

Northeast District

Reservoir

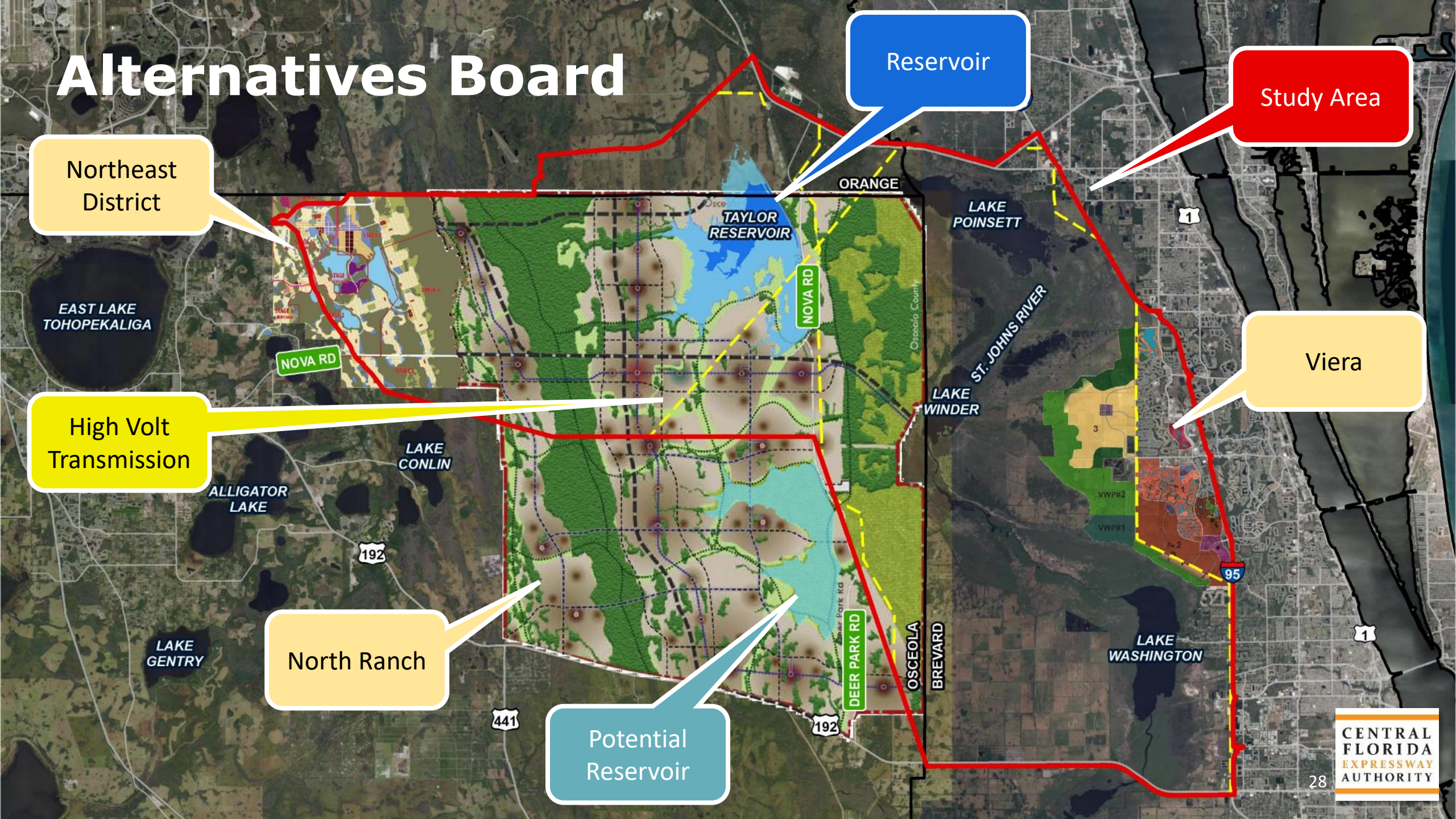
Study Area

High Volt Transmission

North Ranch

Potential Reservoir

Viera



# Alternatives Board

Northeast District

High Volt Transmission

North Ranch

Potential Reservoir

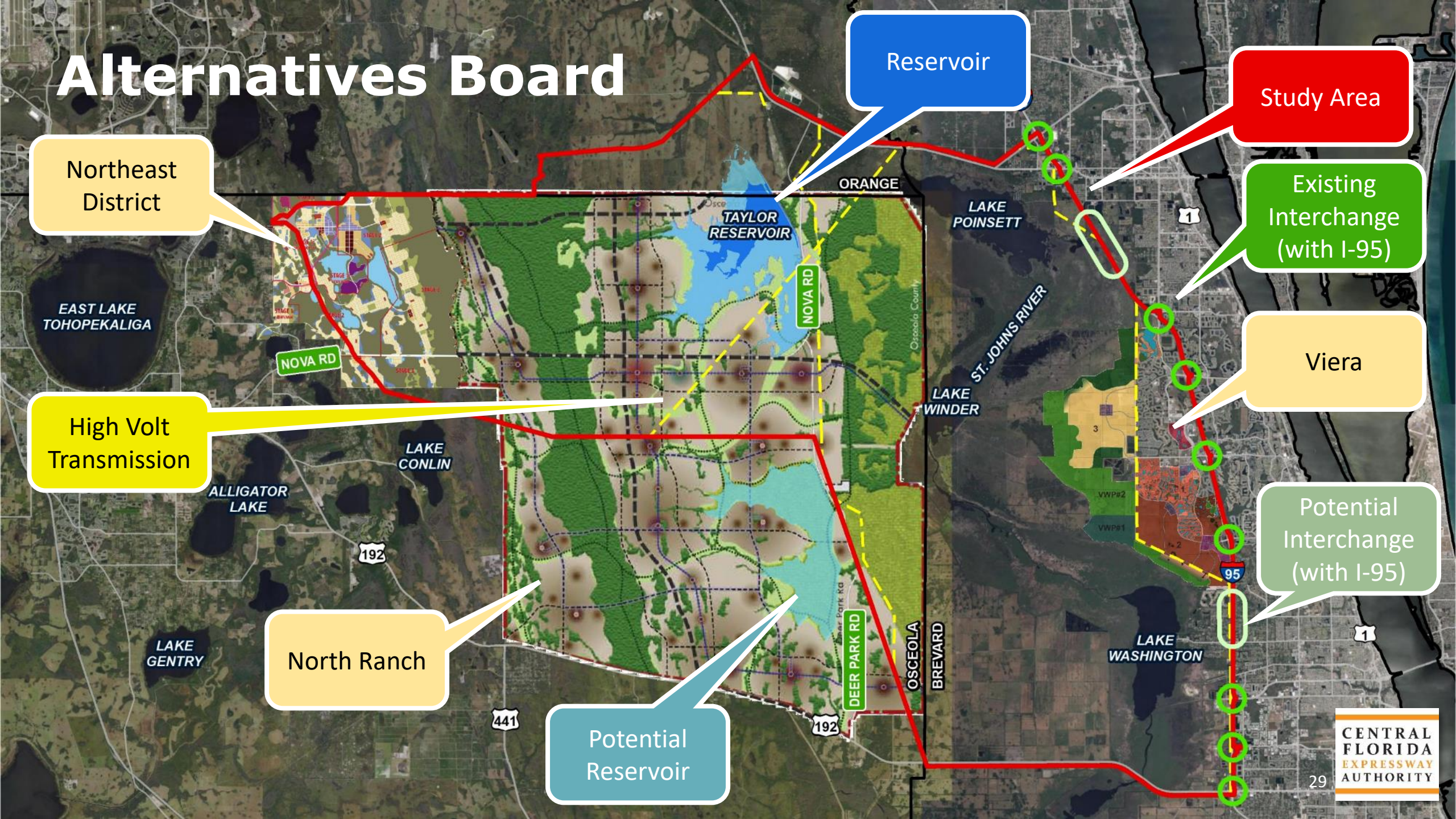
Reservoir

Study Area

Existing Interchange (with I-95)

Viera

Potential Interchange (with I-95)



Viera

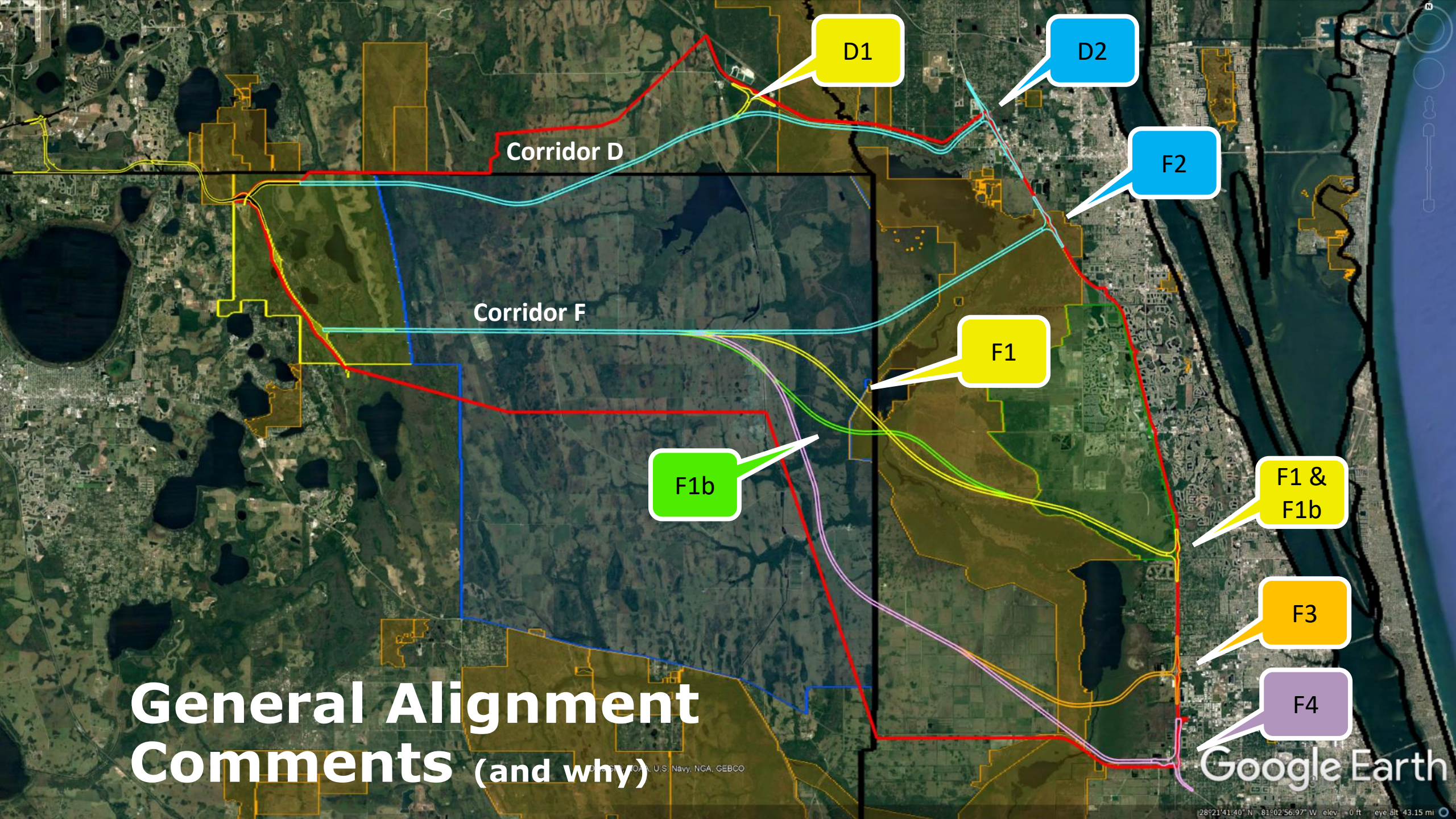
Northeast District

North Ranch

Conservation Land

# General Alignment Comments (and why)

# General Alignment Comments (and why)



Corridor D

Corridor F

D1

D2

F2

F1

F1b

F1 & F1b

F3

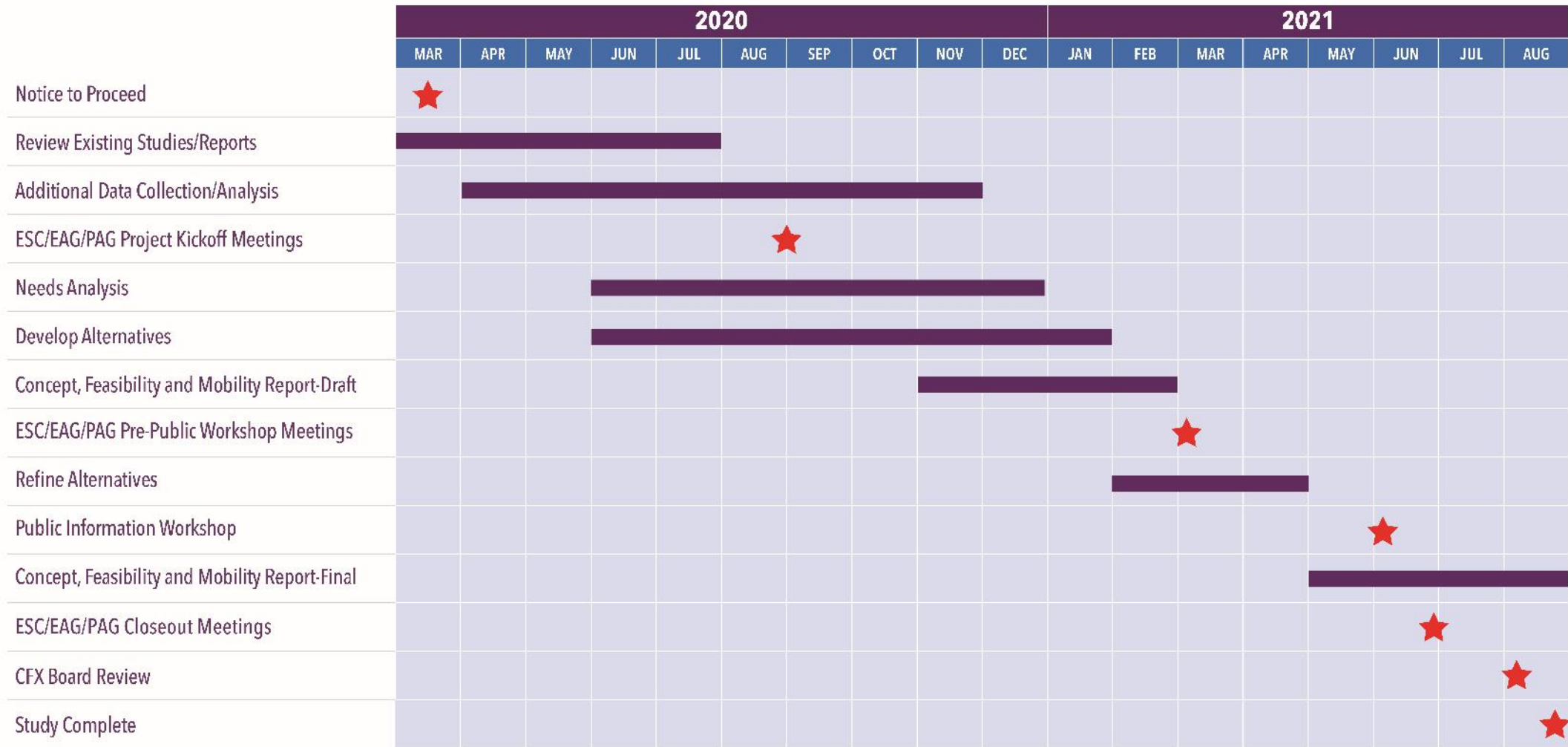
F4

Google Earth

© 2015 Google, U.S. Navy, NGA, GEBCO

28°21'41.40" N 81°02'56.97" W elev. 0 ft eye alt 43.15 mi

# Study Schedule (Subject to Change)



## For more information contact:

Kathy Putnam  
Public Involvement Coordinator  
407-802-3210  
[ConceptStudies@CFXway.com](mailto:ConceptStudies@CFXway.com)

Clif Tate  
Consultant Project Manager  
407-427-1628  
[Clif.Tate@Kimley-Horn.com](mailto:Clif.Tate@Kimley-Horn.com)

CFX web address:

[www.CFXway.com](http://www.CFXway.com)

Shortened study web address:

<https://bit.ly/3enL9LI>



The image shows a multi-level highway interchange with concrete overpasses and support pillars. A dark SUV is driving on the ground level road. A grassy embankment is visible on the right side. The sky is clear and blue. The logo is centered in the upper half of the image, featuring a white background with orange horizontal bars above and below the text.

**CENTRAL  
FLORIDA  
EXPRESSWAY  
AUTHORITY**

**F.**  
**SOUTHPORT**  
**CONNECTOR**  
**EXPRESSWAY**  
**PROJECT**  
**DEVELOPMENT**  
**AND**  
**ENVIRONMENT**  
**(PD&E) STUDY**

A wide-angle photograph of a highway construction site at sunset. The sky is a mix of orange, yellow, and blue. In the foreground on the left, a large, light-colored concrete bridge pier stands prominently. To its right, a tall red lattice boom crane is positioned on a dirt area. In the background, a multi-lane highway is under construction, with several concrete bridge piers and spans visible. A green highway sign for Goldenrod Rd is visible in the distance. On the right side of the image, another bridge pier is under construction, surrounded by a complex network of black steel scaffolding. An orange utility vehicle is parked near the scaffolding. The overall scene depicts a large-scale infrastructure project in progress.

**CENTRAL  
FLORIDA  
EXPRESSWAY  
AUTHORITY**

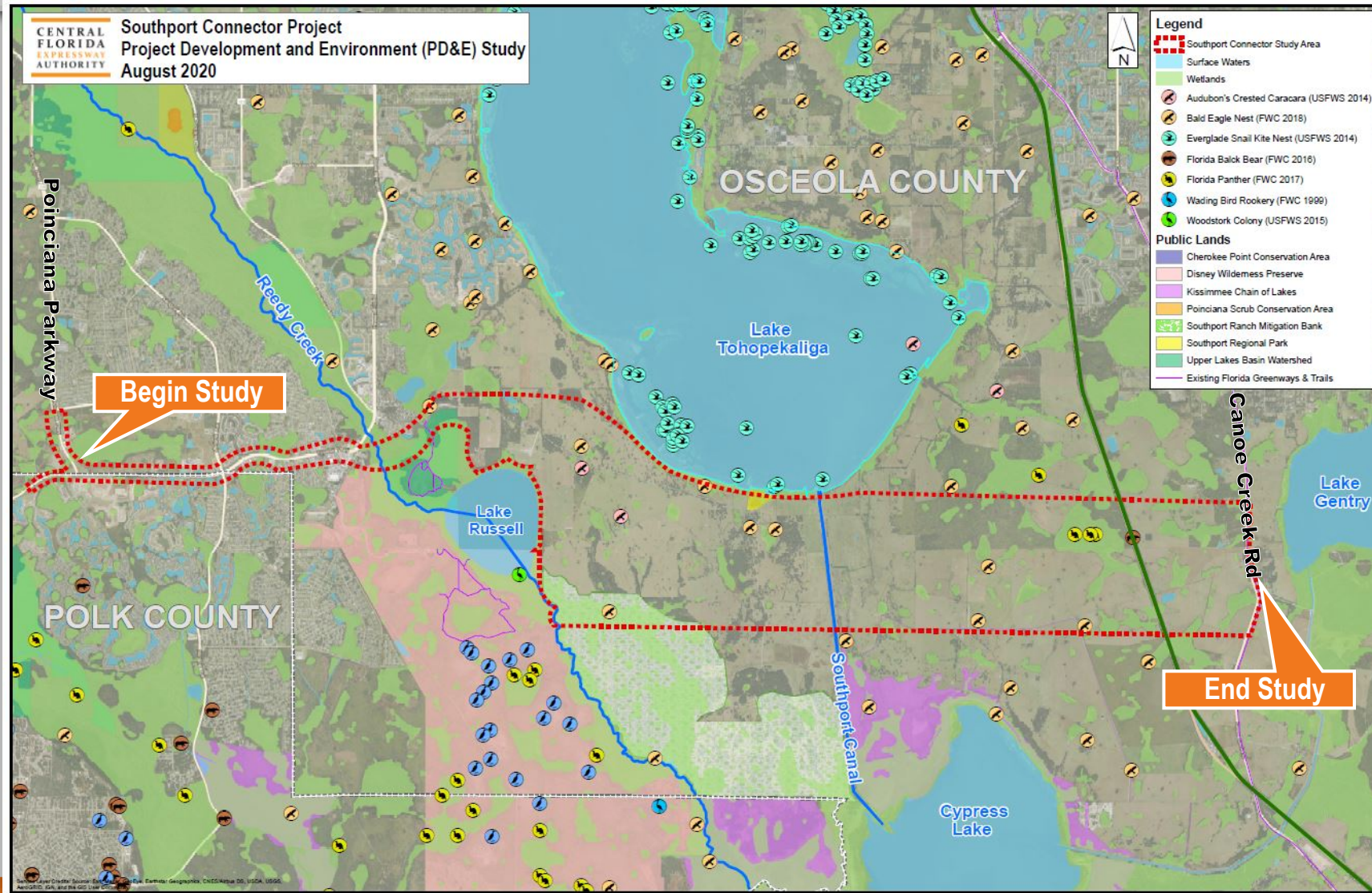
**Project Development and Environment (PD&E) Study  
of the Southport Connector Project**

**Environmental Stewardship Committee  
— August 20, 2020 —**

Project 599-233  
Contract No. 001632

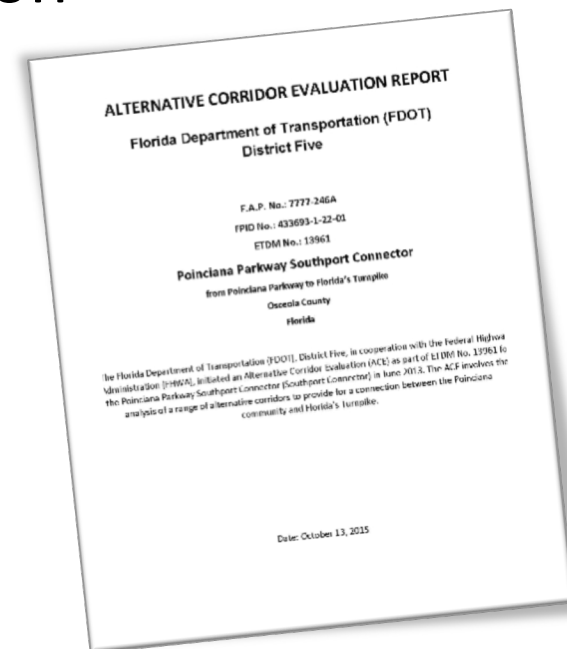
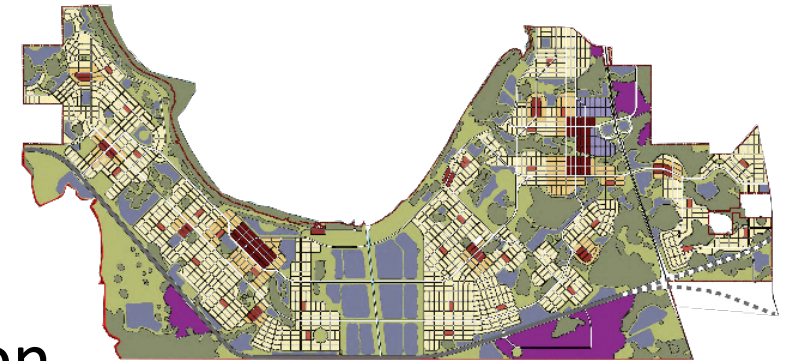
# Southport Connector PD&E Study

## Study Area Map



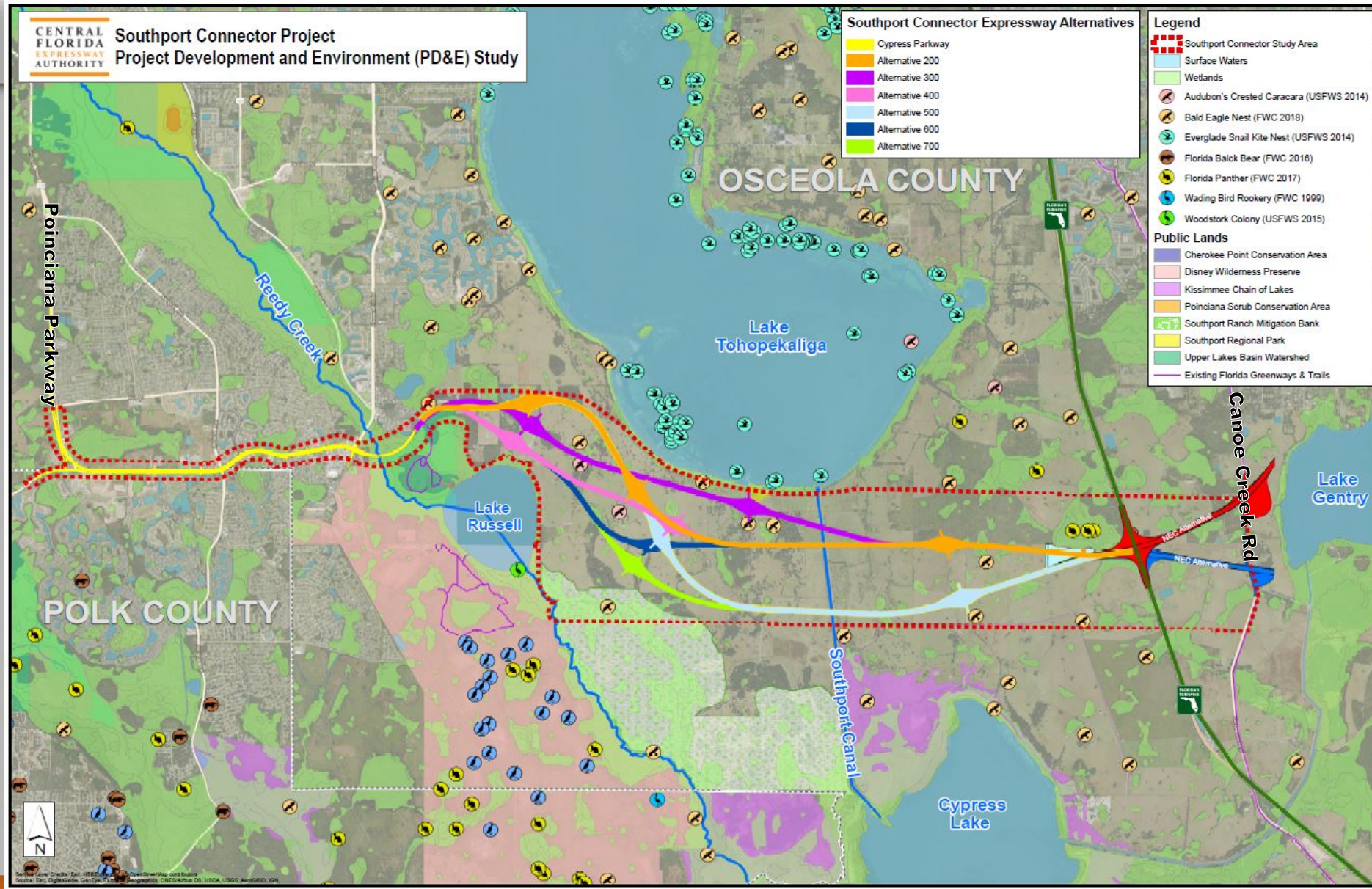
# Project Background

- South Lake Toho Master Plan (Osceola County)
  - Land use and transportation network
  - Southport Connector Alignment Study
  - Input to Osceola County Expressway Master Plan Report
- Southport Connector Alternative Corridor Evaluation (FDOT)
  - Initial activities under PD&E
  - First ACER in FDOT District 5
- Southport Connector Concept, Feasibility and Mobility (CF&M) Study (CFX)
  - Completed – May 2018
  - Re-evaluation of FDOT ACER
  - PD&E Study limits extend to Canoe Creek Road



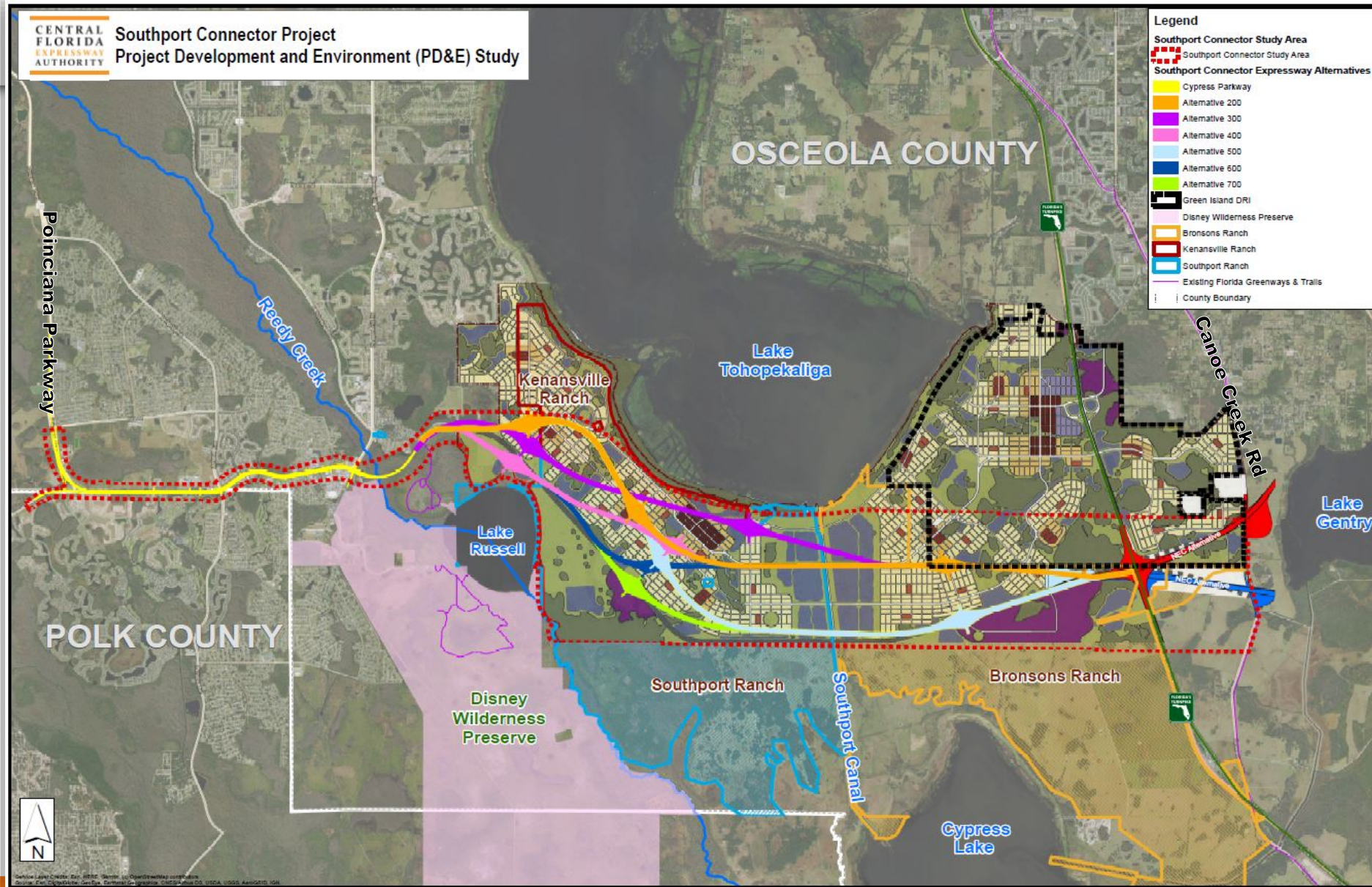
# Concept Feasibility & Mobility Alternatives

## Environmental Considerations Map



# Concept Feasibility & Mobility Alternatives

## Planned Development Map



# Southport Connector PD&E Study

## Project Description:

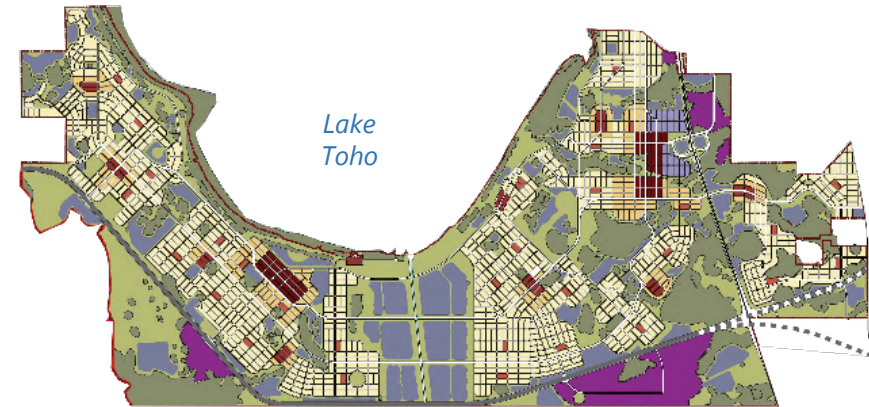
- Proposed east-west limited access toll facility
- Poinciana Parkway to Canoe Creek Road ~15 miles
- Segment of future beltway around southern portion of Orlando Metropolitan Area

## Project Goals:

- Meet demands of Osceola County's projected growth
  - Population anticipated to double by 2025 to low 600,000's
  - Employment anticipated to double by 2025 to ~228,000
- Relieve congestion on local roads
  - Provide additional traffic capacity
  - Multimodal option
- Promote regional connectivity
- Enhance emergency evacuation routes

## Potential Challenges:

- Proximity to:
  - Smoke shed for Disney Wilderness Preserve
  - Archaeological sites
  - Existing ranch lands
  - Shoreline of Lake Toho
  - Residential properties
- Impacts to:
  - Reedy Creek
  - Planned developments
  - Natural resources



South Lake Toho Development Plan



# PD&E Study Approach

- Study Process
  - Previous studies
  - Refine alternatives
  - Stakeholder and public input
  - Project documentation
- Engineering Analysis
  - Design criteria and cost
  - Phased implementation
- Environmental Analysis
  - Avoidance
  - Minimization
  - Mitigation
  - Enhancement

## PUBLIC INVOLVEMENT

- Local Governments
- Non-governmental Organizations
- Community Leaders
- Business Leaders
- Advisory Groups

## PRELIMINARY ENGINEERING

- Data Collection
- Interchange Concepts
- Roadway
- Structures
- Drainage
- Lighting/Utilities

## ENVIRONMENTAL ANALYSIS

- Social
- Cultural
- Natural
- Physical
- Agency Coordination

## STUDY DOCUMENTS

- Environmental Documents
- Support Documents
- Concept Plans
- Pass the Torch

# Concept Development

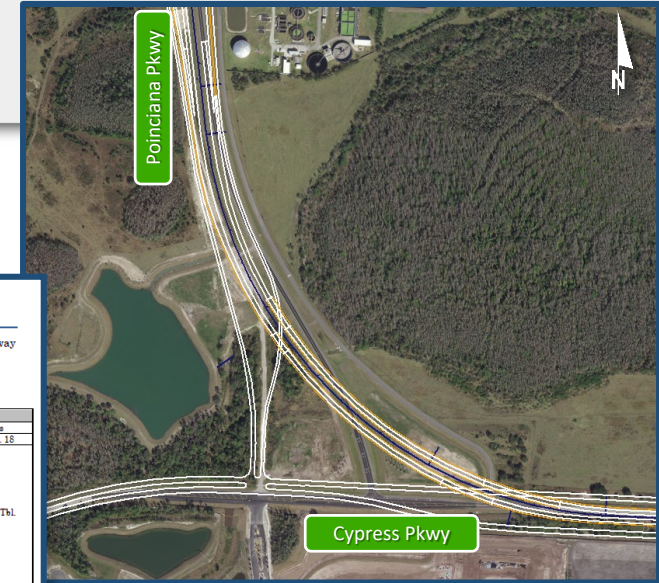
- Develop & evaluate alternatives within corridors
- Interchanges and intersections
  - Poinciana Parkway
  - Pleasant Hill Road
  - South Lake Toho (TBD)
  - Florida's Turnpike Enterprise
  - Canoe Creek Road
- Access management
  - Cypress Parkway segment
- CFX design criteria
- Project cost estimates
  - Right-of-way
  - Construction

**5.0 Design Criteria**




The design criteria used in the development of the Southport Connector Expressway alternatives per the CFX scope of services are detailed below in Table 5.1.1.

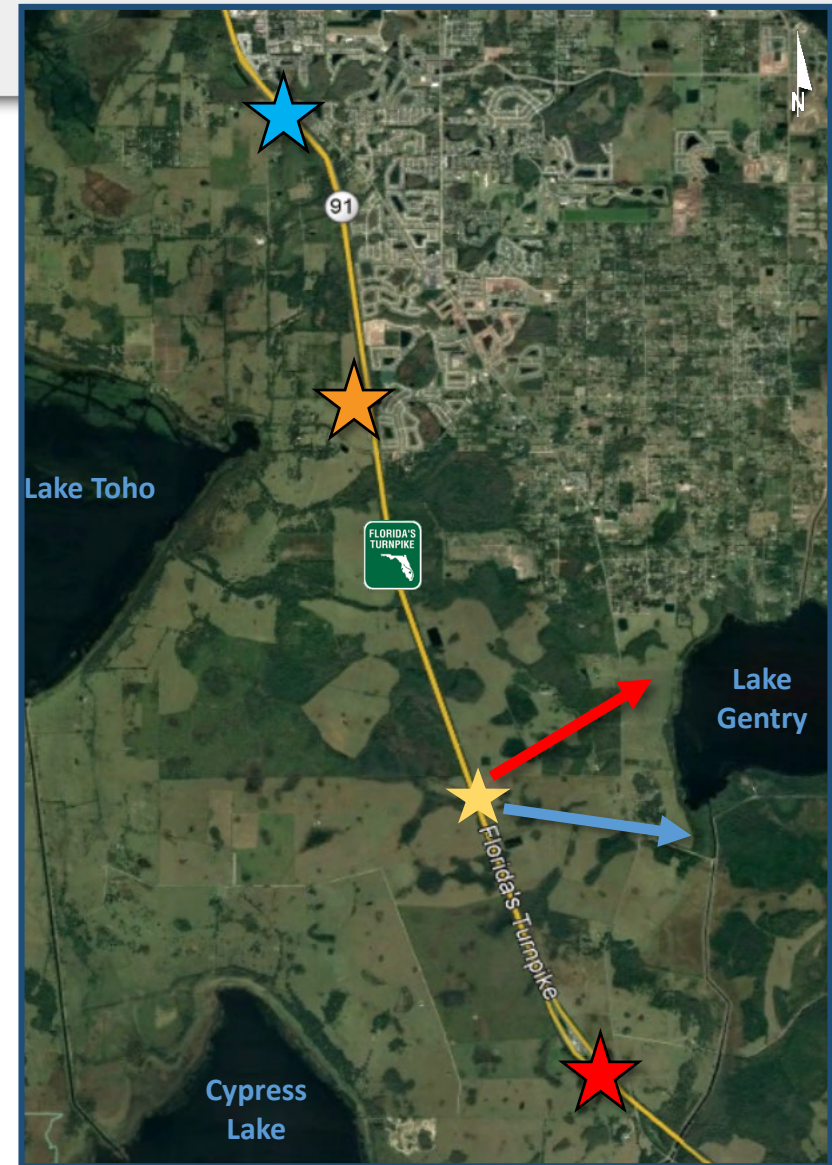
**Table 5.1.1: Geometric Design Criteria**

Design Element	Design Standard	Source
<b>Design Year</b>	2045	Scope of Services
<b>Design Vehicle</b>	WB-62FL / WB-67	AASHTO 2004, Pg. 18
<b>Design Speed</b>		
Rural Freeway	70 mph	FDOT PPM Vol. 1, Tbl. 1.9.1, 1.9.2
Urban Freeway	60 mph	
Urban Arterial	45 mph	
Rural Arterial	55 mph	
Other		
Frontage Road	45 mph	As appropriate
Service Road	50 mph	
Access Road	As appropriate	
<b>Ramp</b>		
Directional	50 mph	FDOT PPM Vol. 1, Tbl. 2.11.2, 2.13.3, & 2.14.1
Loop	30 mph	
<b>Lane Width</b>		
Freeway	12-ft	FDOT PPM Vol. 1, Tbl. 2.11.2, 2.13.3, & 2.14.1
Ramp	15-ft	
1-lane	24-ft	
2-lane	Case dependent	
Turning Roadway	12-ft	FDOT PPM Vol. 1, Sec. 2.15
Arterial	12-ft	
Collector / Service Road	12-ft	FDOT PPM Vol. 1, Fig. 2.1.1
Bicycle	Rural / Urban	
	5-ft / 4-ft (designated or undesignated)	FDOT PPM Vol. 1, Table 2.1.4
<b>Cross Slopes (lanes 1 - way)</b>		
Roadway		FDOT PPM Vol. 1, Fig. 2.1.1
2 - lane (2)	-0.02 ft / ft (2)	
3 - lane (3)	-0.02 ft / ft (2), -0.03 ft / ft (1)	
4 - lane (4)	+0.02 ft / ft (1), -0.02 ft / ft (2), -0.03(2)	
Bridge Section	-0.02 (typical, uniform, no slope break)	FDOT PPM Vol. 1, Fig. 2.1.1
<b>Max. Lane "Roll-over"</b>		
DS 35 mph	4.0%	FDOT PPM Vol. 1, Table 2.1.4
DS 55 mph	5.0% (between through lane & aux. lane) 6.0% (between through lane & aux. lane)	



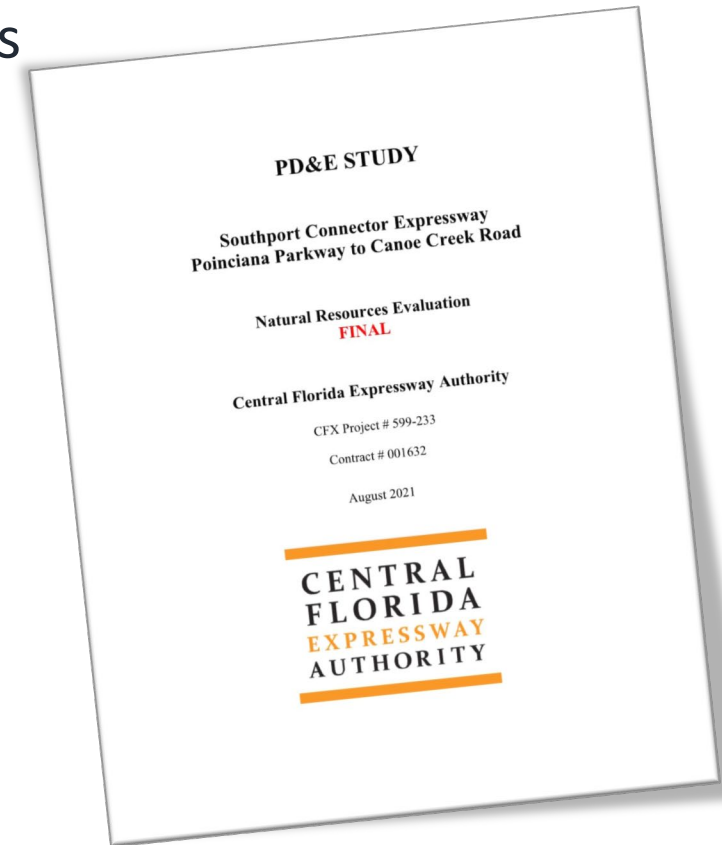
# Turnpike Interchange

- Spacing constraints
  - Canoe Creek Service Plaza 
    - Expansion
  - Three Lakes Toll Plaza 
    - All-Electronic Tolling (AET)
  - Kissimmee Park Road (CR 525) 
- Interchange configuration
  - No preference; coordinate with Turnpike
  - Based on traffic demand
  - Consider AET & ramp operations with Service Plaza
- Extension to Canoe Creek Road
  - Consider Northeast Connector Alternatives north & south of Lake Gentry



# Natural Resources - Approach

- Evaluate viable alternatives
  - Review previously approved CF&M Study and other approved documents
  - Conduct GIS, literature, and preliminary field evaluations
  - Impact matrix to identify preferred alternative
- Prepare Natural Resources Evaluation (NRE)
  - Protected species
    - Effects determinations
    - Identify mitigation options
  - Wetlands
    - Wetland assessment
    - Develop Conceptual Mitigation Plan



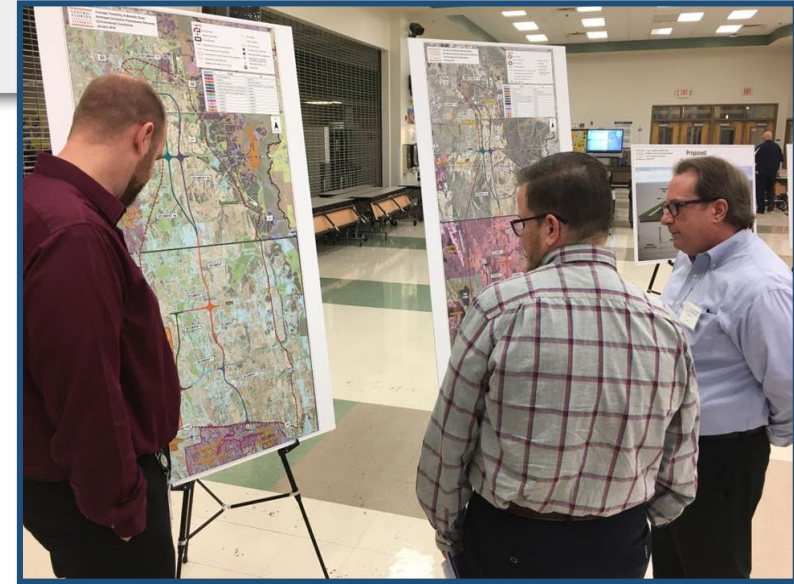
# Agency Coordination

- Agency meetings
  - Environmental Advisory Group (EAG)
  - Project Advisory Group (PAG)
  - Environmental Stewardship Committee
  - One-on-one meetings
- Assessment of resource impacts
- Develop mitigation strategies



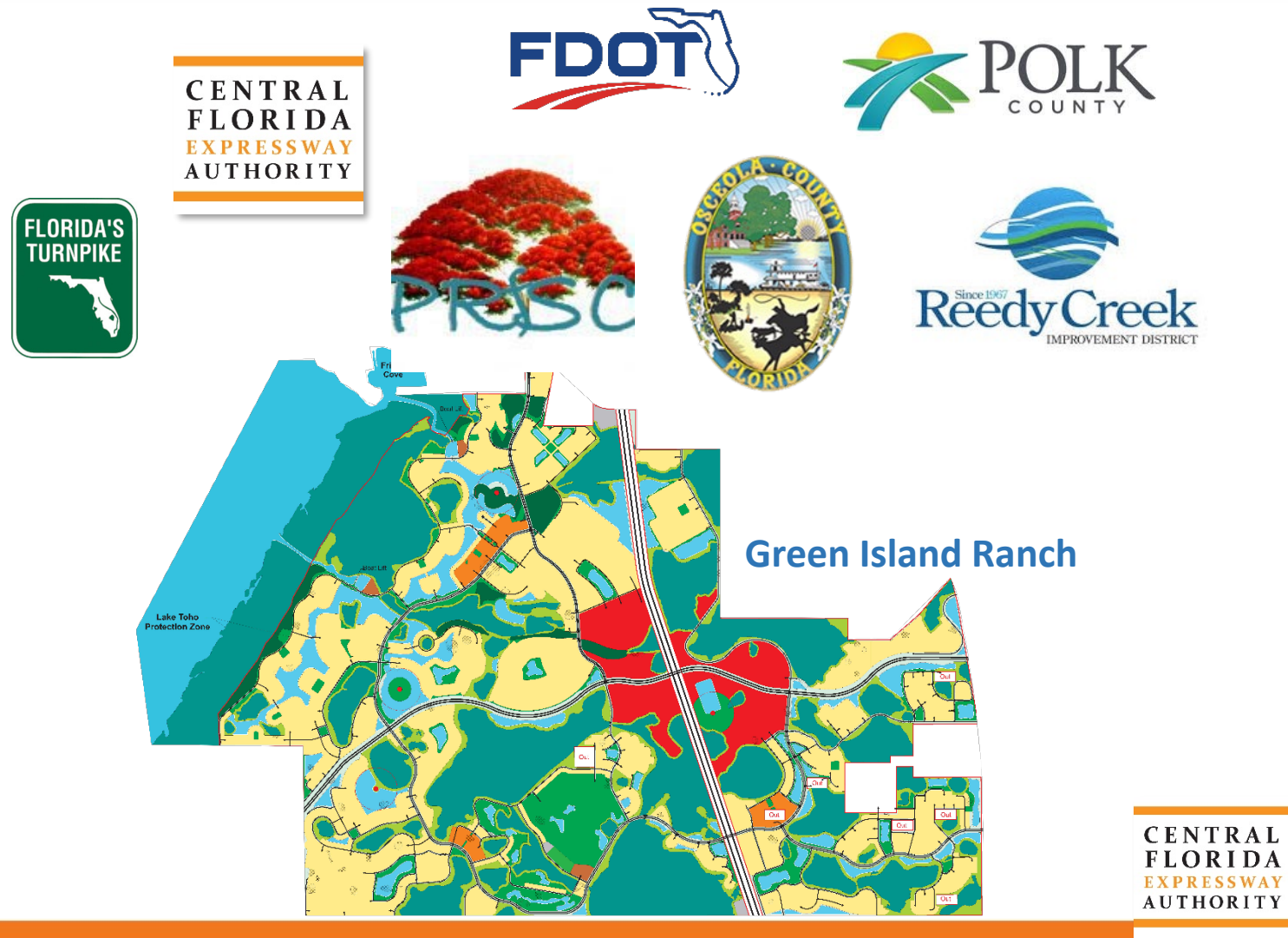
# Public Involvement

- Develop Public Involvement Plan (PIP)
  - Coordinate with CFX & Quest Corporation of America
- Collateral material
  - Fact sheets, newsletters
  - Limited English Proficiency (LEP)
- Public meetings and hearing
  - Stakeholder databases
  - Meeting materials
- Innovative tools
  - Virtual meetings
  - Smart boards
  - QR codes
  - Social media



# Stakeholder Coordination

- Osceola and Polk Counties
  - Planned/programmed improvements
  - Extension to Canoe Creek Road
- Florida's Turnpike Enterprise
  - Interchange configuration
  - Access request process
- CFX
  - Phased implementation/toll viability
  - NEC (north or south of Lake Gentry)
- Federal regulatory agencies
  - USFWS
  - USCG
  - USACE
- Major land owners
  - Kenansville
  - Southport
  - Bronson's
  - Green Island DRI



# Stakeholder Input

STAKEHOLDER	COMMENTS
Osceola County	<ul style="list-style-type: none"> <li>• <b>Connection to existing/planned facilities</b></li> <li>• Poinciana Parkway, Pleasant Hill Road, Florida’s Turnpike, Canoe Creek Road</li> <li>• Future corridors (PPE, NEC)</li> </ul>
The Nature Conservancy	<ul style="list-style-type: none"> <li>• Environmental concerns adjacent to Disney Wilderness Preserve</li> <li>• <b>Alternatives greater than one mile away are “on the table”</b></li> </ul>
Poinciana Residents for Smart Change	<ul style="list-style-type: none"> <li>• <b>Currently “dead ended” with longest commute in the county</b></li> <li>• Residents willing to pay tolls to commute to Orlando</li> <li>• Travel demand is currently double what it was projected to be</li> <li>• Strong support for limited access corridor</li> </ul>
EAG	<ul style="list-style-type: none"> <li>• Concern for degradation of conservation lands</li> <li>• <b>Ways to prevent divided communities</b></li> </ul>
Ranch Owners Kenansville Southport Bronson’s	<ul style="list-style-type: none"> <li>• Several alternatives are agreeable</li> <li>• Green Island DRI working with FTE for location of interchange</li> </ul>



# Deliverables



# Schedule

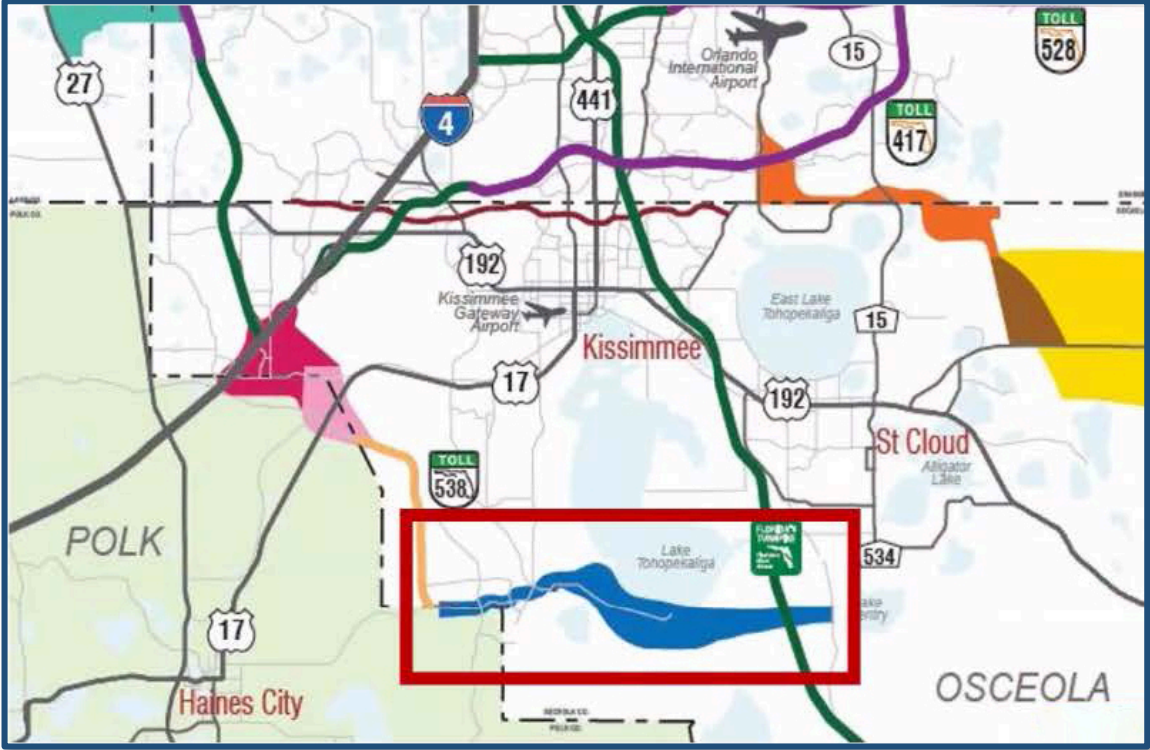
## 15-Month Schedule

Task/Activity	2020				2021										
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Notice to Proceed	★														
Data Collection/Analysis	█														
Public Kickoff Meeting				★											
Needs Analysis			Includes Design Traffic by CFX												
Concept Development					Roadway, Drainage, Structures, Interchanges, Costs										
Environmental Analysis						Social, Natural, Cultural, Physical Environment									
Alternatives Public Meeting									★						
Refine Alternatives									█						
Draft PEIR/Support Documents									█						
Public Hearing													★		
Final PEIR													█		
Board Approval and LDCA															★
PAG/EAG Meetings			★					★			★				

- 15-month schedule
- NTP – Sept. 2020

- Stakeholder coordination
- EAG/PAG meetings

# Thank You



**G.**  
**NORTHEAST  
CONNECTOR  
EXPRESSWAY  
PHASE 1 PROJECT  
DEVELOPMENT  
AND  
ENVIRONMENT  
(PD&E) STUDY**



**CENTRAL  
FLORIDA  
EXPRESSWAY  
AUTHORITY**

**Project Development and Environment (PD&E) Study  
of the Northeast Connector Phase 1 Project**

**Environmental Stewardship Committee**

**— August 20, 2020 —**

# Northeast Connector PD&E Study

- Cyrils Drive to Nova Road (4.40 miles)
- Tolled expressway with multi-modal opportunities
- Segment of a future connection linking SR 417 to I-95

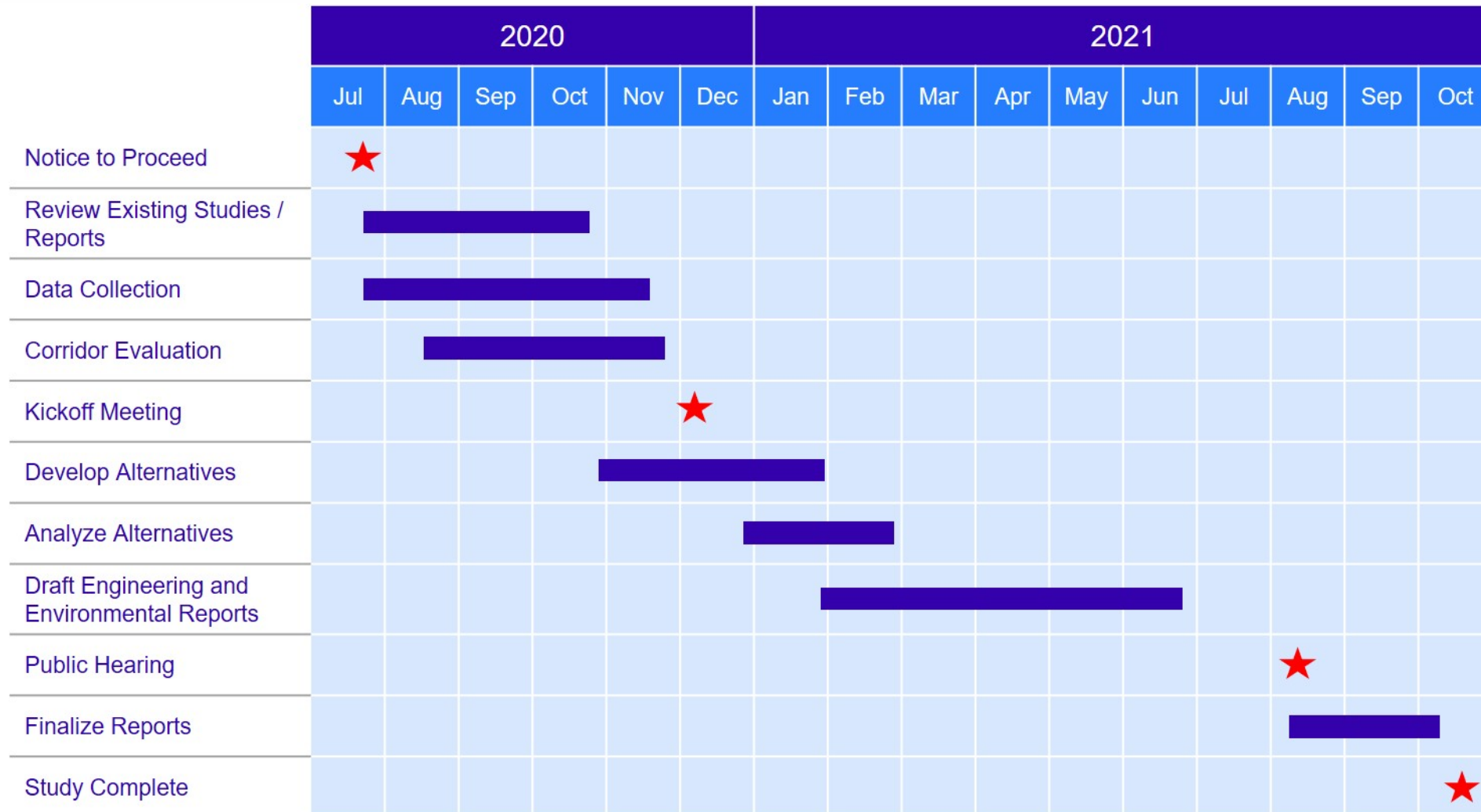


# Northeast Connector PD&E Study

- Purpose and need
  - Meet the future mobility requirements for Central Florida
  - Reduce congestion on local roads and streets
  - Improve regional connectivity
  - Support economic development
  - Improve overall system operations and motorist safety
  - Improve emergency services and hurricane evacuation



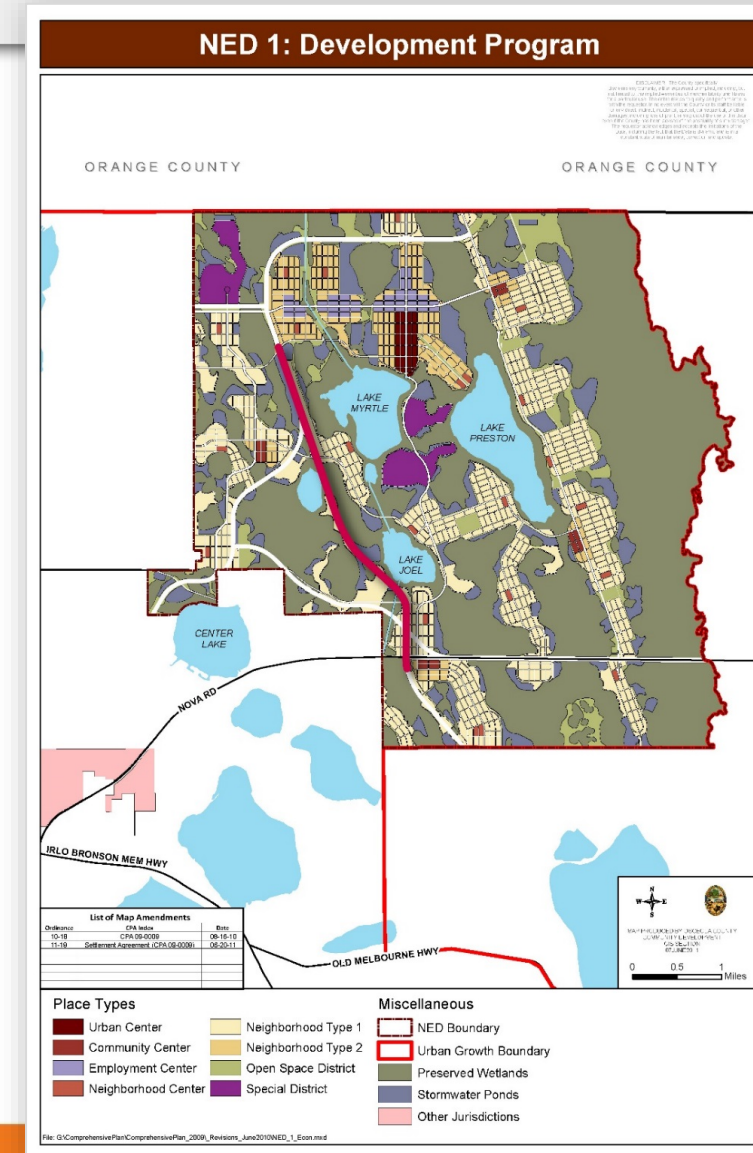
# Northeast Connector PD&E Study





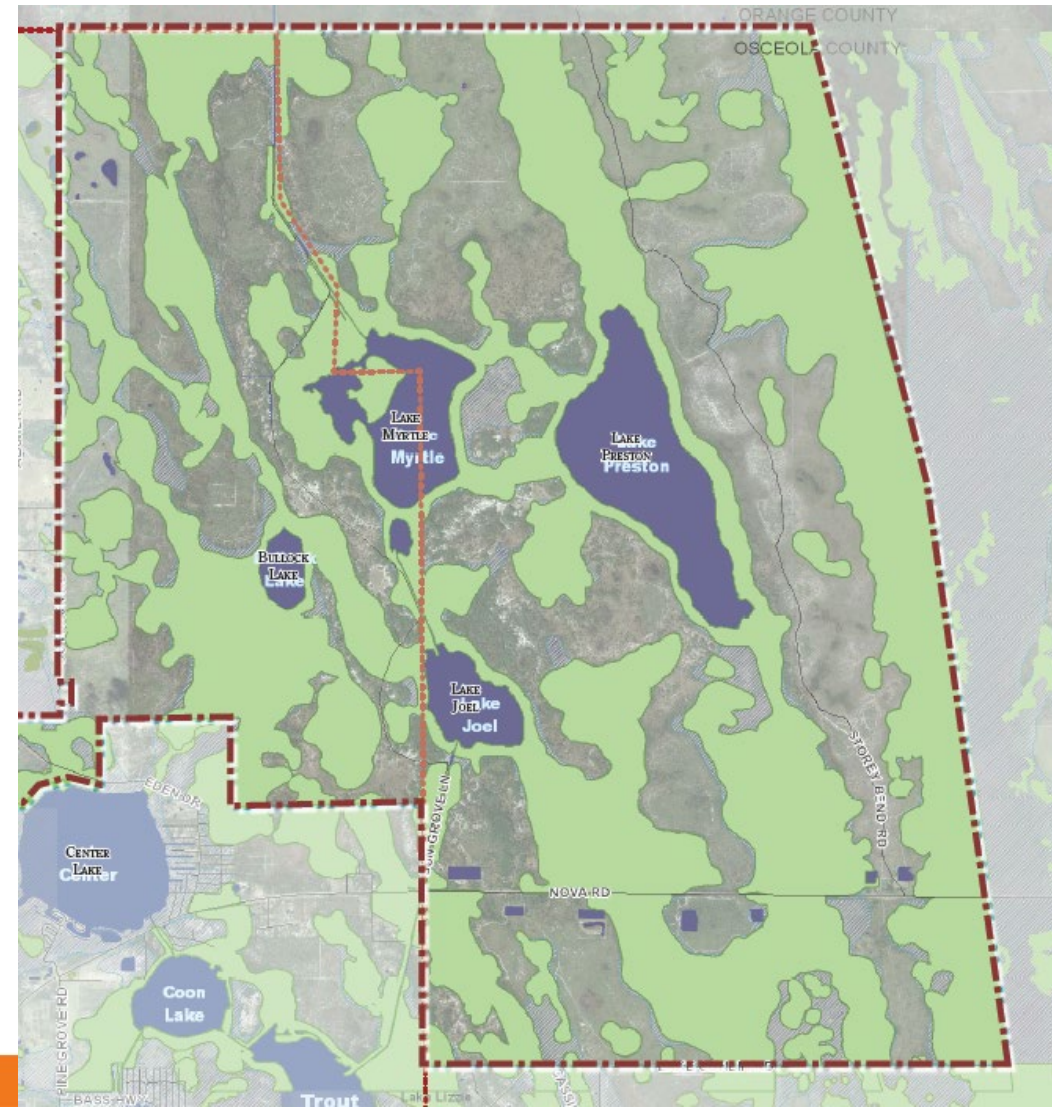
# Northeast Connector PD&E Study

- Potential Impacts to:
  - Ongoing and planned developments
    - Del Webb (under construction)
    - Sunbridge Development (planned)
    - Northeast District (conceptual plan)
  - Lake Myrtle, Lake Bullock and Lake Joel
  - Natural environment
    - State/Federal protected and endangered species
    - Wetland and floodplains
  - Undisclosed archaeological sites
  - Canal

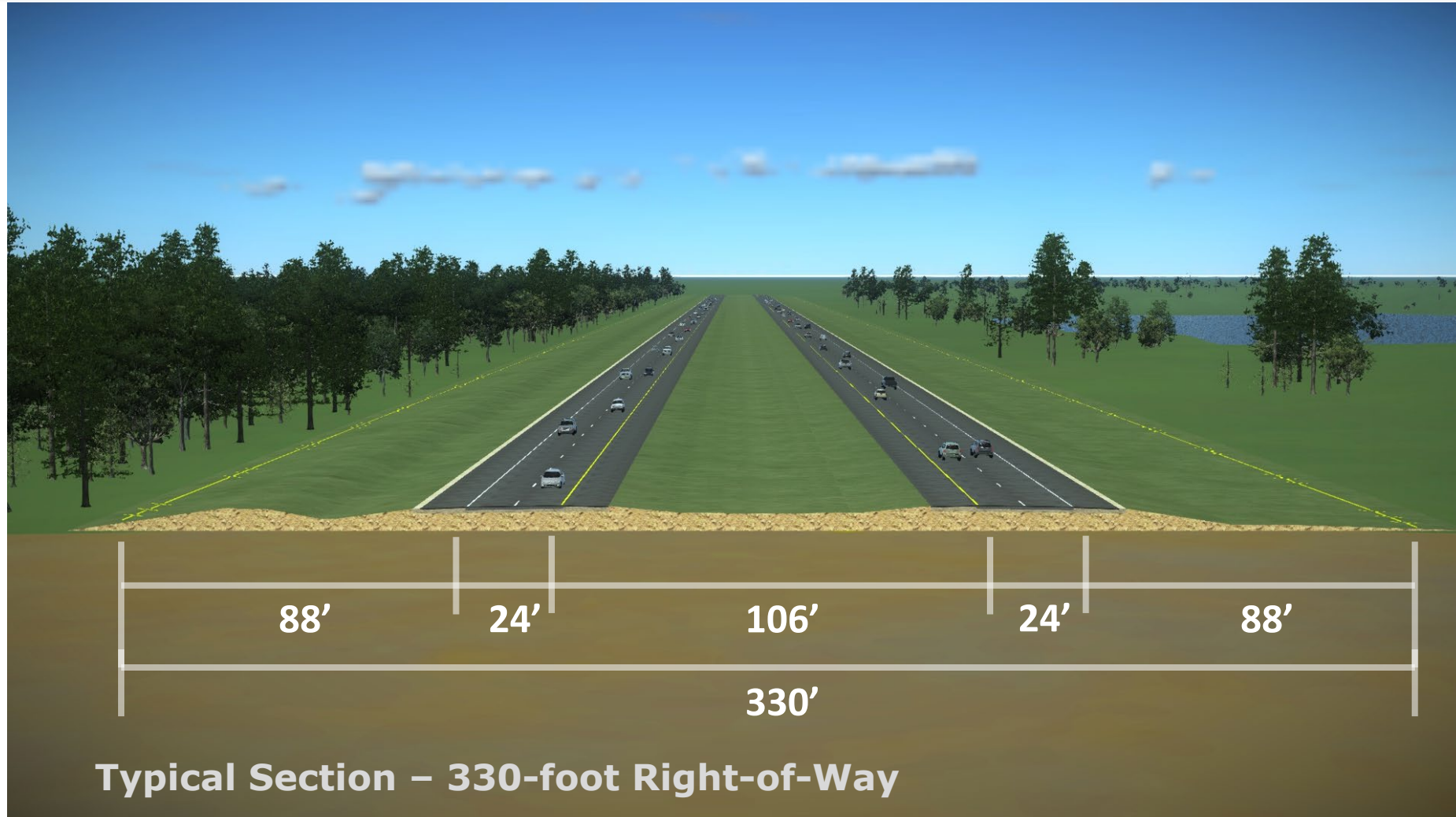


# Northeast Connector PD&E Study

- Wetlands and Listed Species evaluated
- No “Fatal Flaws” in anticipated wetland impacts
- No “Fatal Flaws” in anticipated listed species impacts
- Wildlife movement is a key element



# Northeast Connector PD&E Study



# Northeast Connector PD&E Study

- Wetlands will be the driving factor in evaluating alignments.
- Minimizing wetland impacts will streamline the permitting process.

## Process

Detailed field reviews will be necessary

Combine wetlands and listed species reviews

Interviews with ranching staff  
Map and document all findings

Complete an NRE

# Northeast Connector PD&E Study

- Threatened and Endangered Species

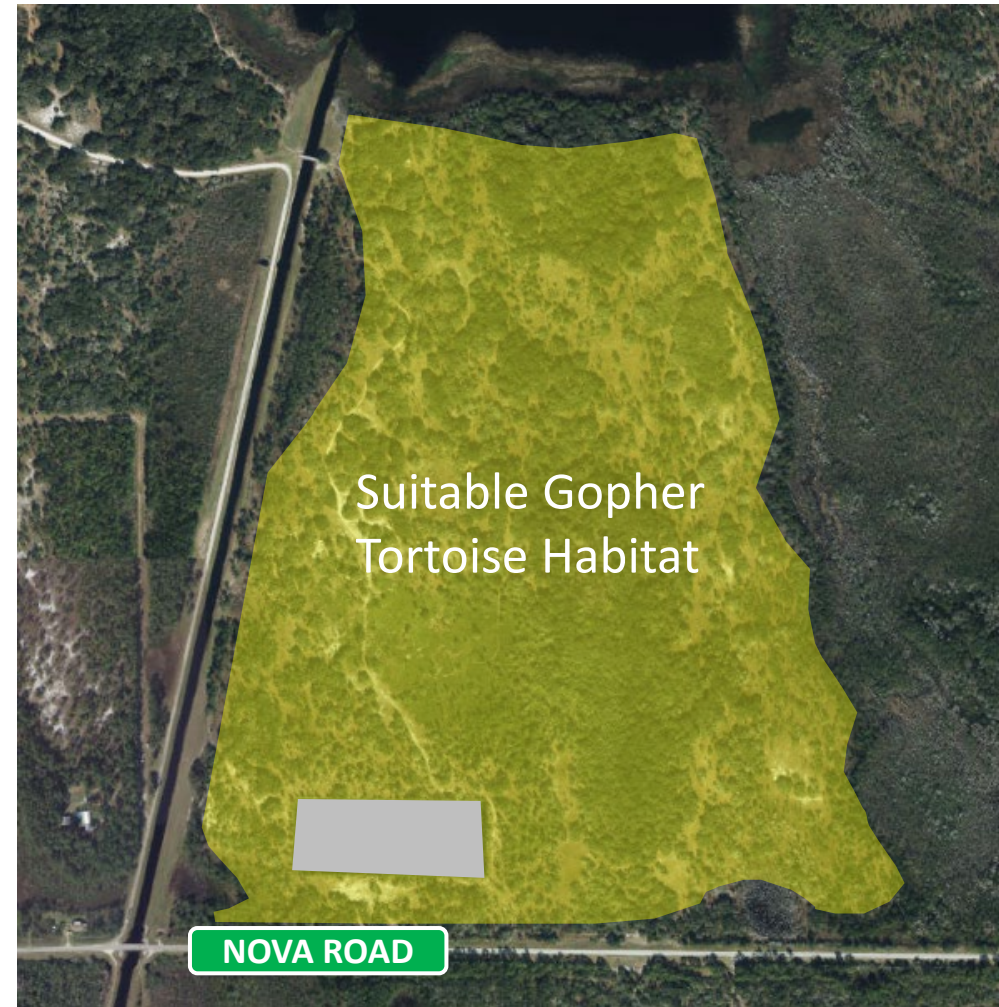
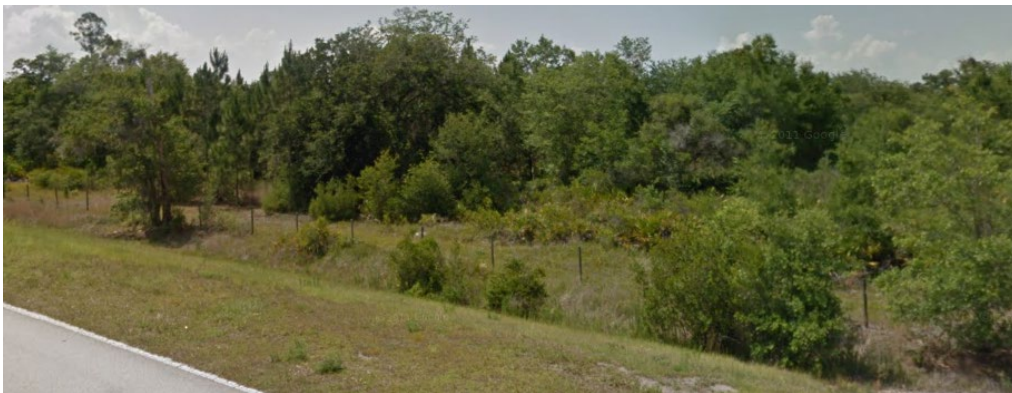


Common Name	Federal Status	State Status	Likelihood of Occurrence
<b>Mammals</b>			
Florida Panther	E	E	Low
<b>Reptiles</b>			
Eastern Indigo Snake	T	T	High
Blue-Tailed Mole Skink	T	T	Low
Sand Skink	T	T	Low
Gopher Tortoise	C	T	High
Florida Pine Snake	N	T	High
<b>Birds</b>			
Everglade Snail Kite	E	E	Moderate
Red-Cockaded Woodpecker	E	E	Low
Wood Stork	T	T	High
Audubon's Crested Caracara	T	T	Low
Florida Scrub-Jay	T	T	Moderate
Southeastern American Kestrel	N	T	Moderate
Florida Sandhill Crane	N	T	High
Florida Burrowing Owl	N	T	Low
Little Blue Heron	N	T	High
Tricolored Heron	N	T	High
Roseate Spoonbill	N	T	Moderate
Bald Eagle	N**	N**	Moderate

E-Endangered; T-Threatened; T(S/A)Threatened due to Similarity of Appearance; SSC=Species of Special Concern; C=Candidate Species; N=Not Listed

# Northeast Connector PD&E Study

- Gopher tortoise habitat in uplands
- Unimproved rangeland
- Groundtruthing to estimate burrow density to improve mitigation cost estimate.



# Northeast Connector PD&E Study

- Cyrils Drive to Nova Road (4.40 miles)
- Tolled expressway with multi-modal opportunities
- Segment of a future connection linking SR 417 to I-95

Thank you – Questions

