



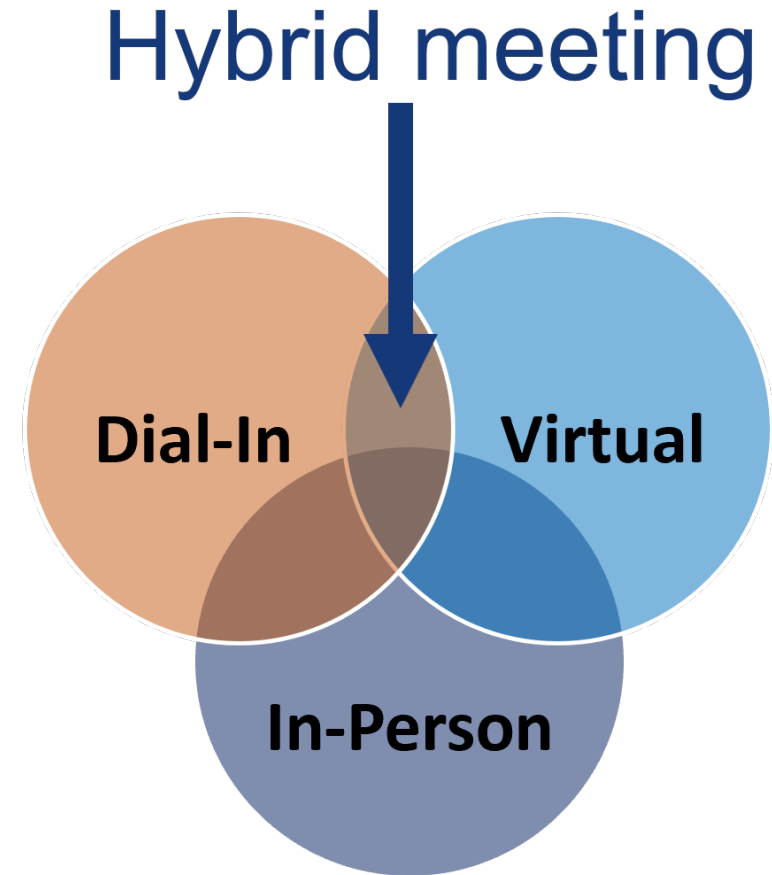
**SR 417 (Seminole Expressway) to Orlando Sanford International
Airport Connector
Concept, Feasibility, and Mobility Study**

Public Information Meeting

— June 20, 2023 —

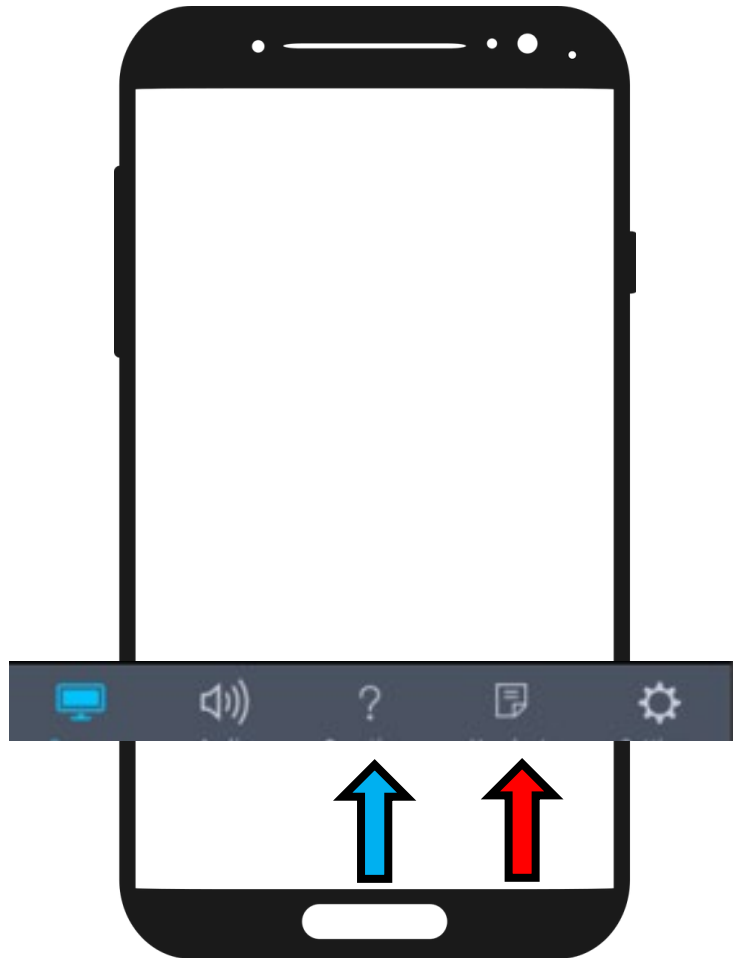
About the Meeting

- This public meeting is being conducted in a hybrid format
- Dial-in attendees not using the GoToWebinar app are “listen-only”
- A copy of the presentation can be found on the project website at: bit.ly/SR417AirportConnector

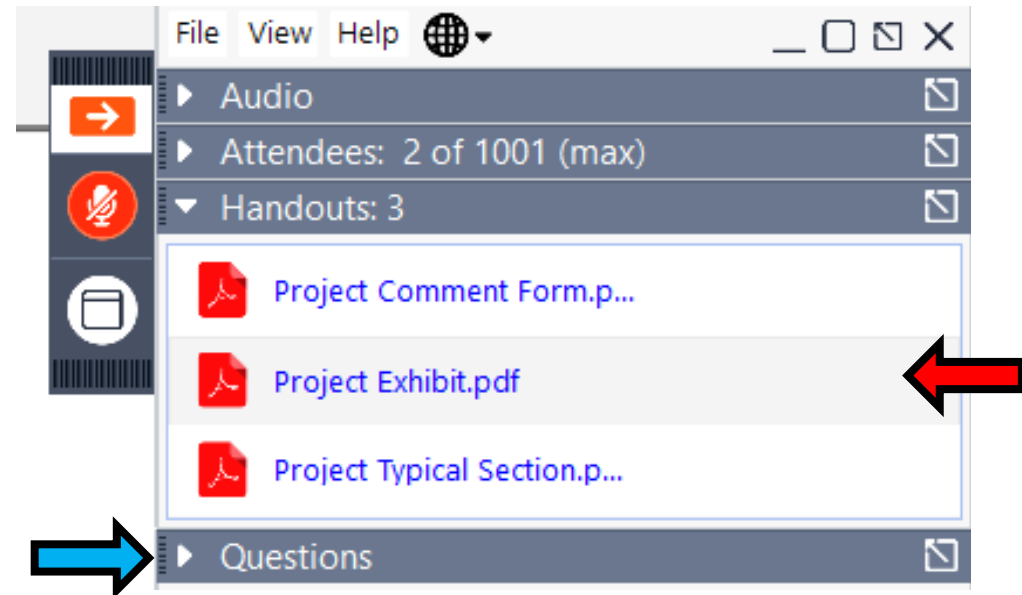


About the Meeting

Mobile



Desktop



To Report a Technical Issue...



**Type a message in
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**Send an email to:
Carolyn.Fitzwilliam@
QCAusa.com**



**Call Carolyn
Fitzwilliam at
+1 (407) 637-7461**

Title VI Compliance

This meeting is being conducted without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to compliance by the Central Florida Expressway Authority (CFX) with Title VI may do so by contacting:

Shemir Wiles

Public Involvement Coordinator

4974 ORL Tower Road

Orlando, FL 32807

407-802-3210

ConceptStudies@CFXway.com

All inquiries or complaints will be handled according to CFX procedure and in a prompt and courteous manner.

About CFX



- 125 Miles of Expressway
- Brevard, Lake, Orange, Osceola and Seminole Counties
- \$4 Billion 5-Year Work Plan

About CFX



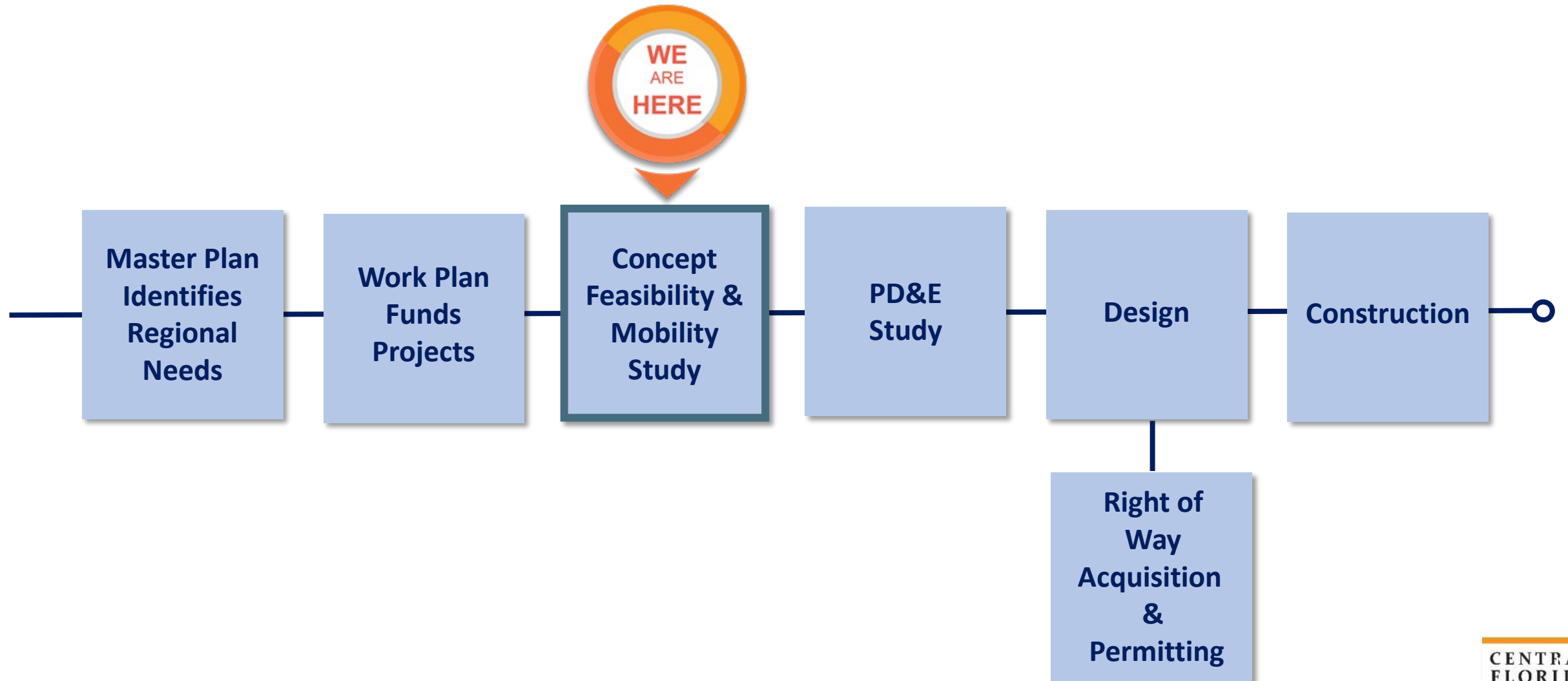
Mission

To build, operate and maintain a mobility network through accountability, fiscally sound practices and a community focus.

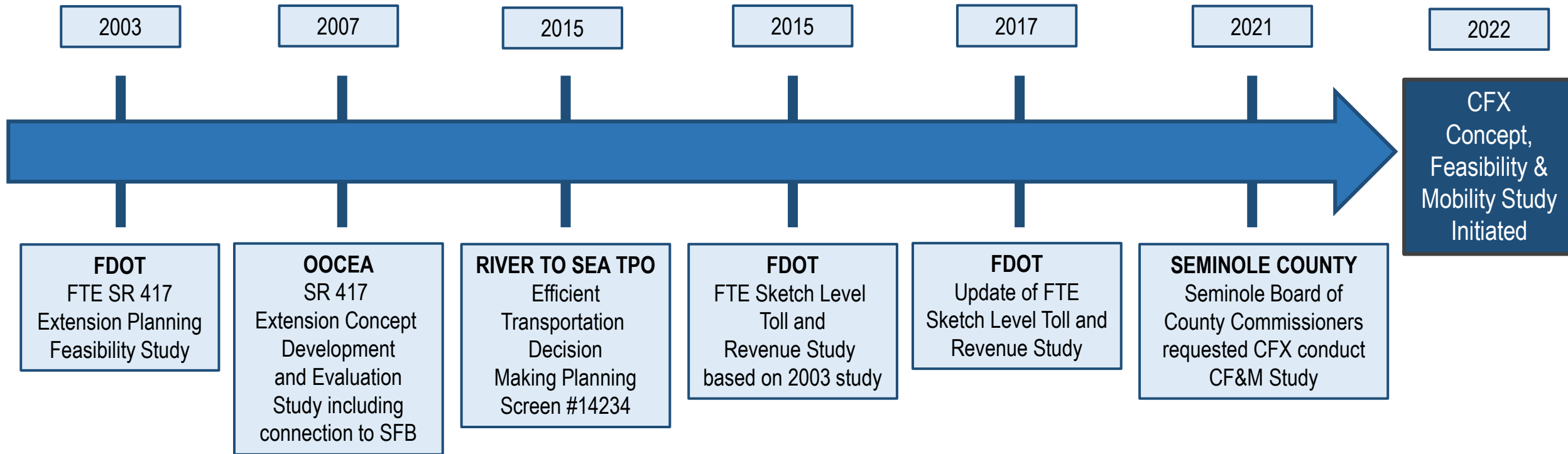
Vision

To provide the region with a world-class, integrated mobility network that drives economic prosperity and quality of life.

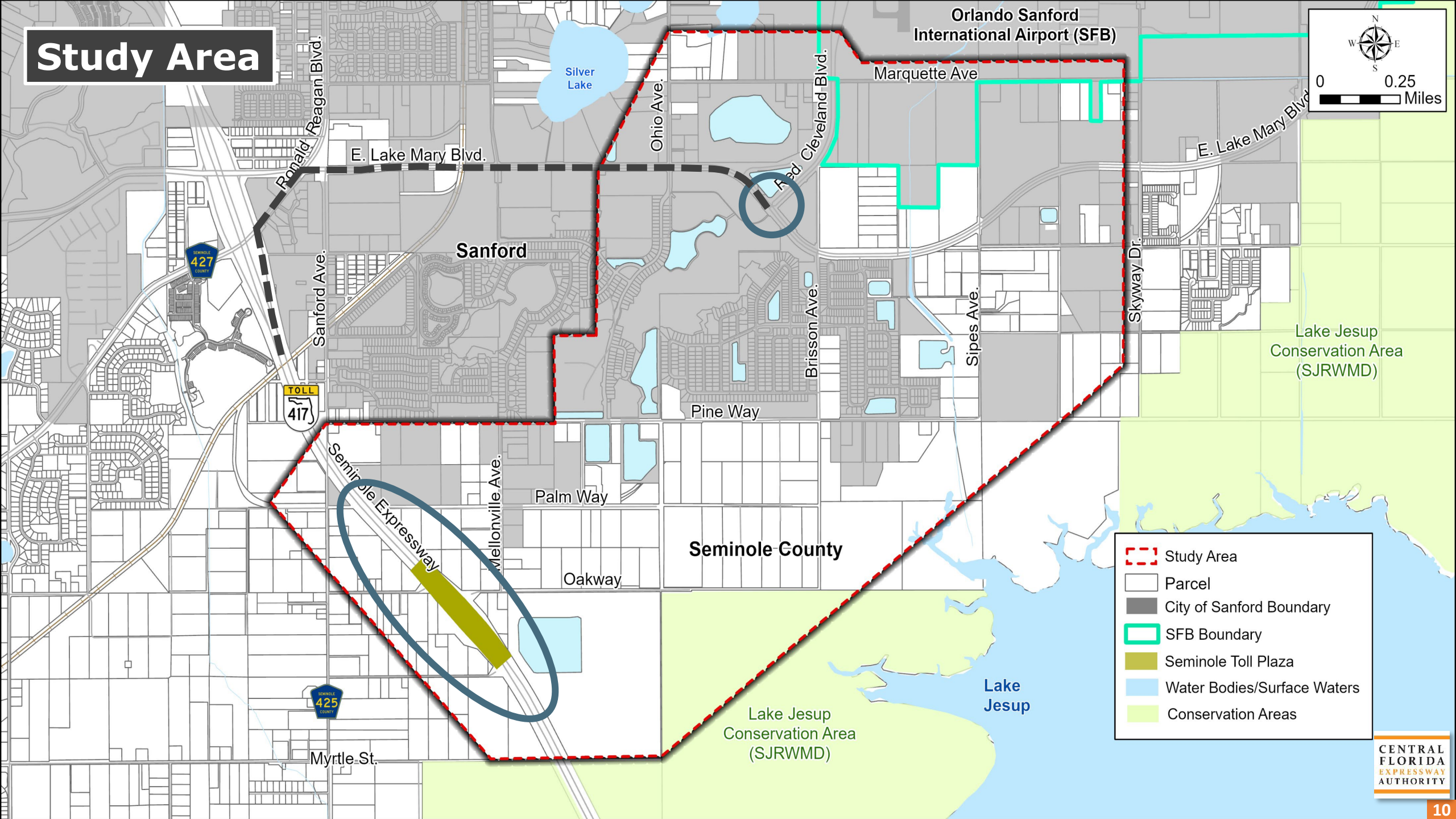
CFX Project Process



Project Background

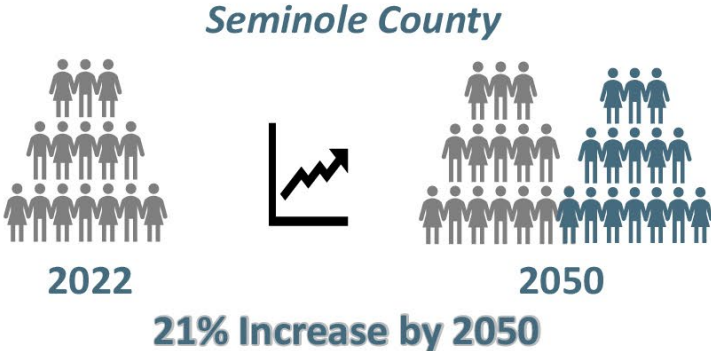


Study Area



Need for the Project

Population Projections



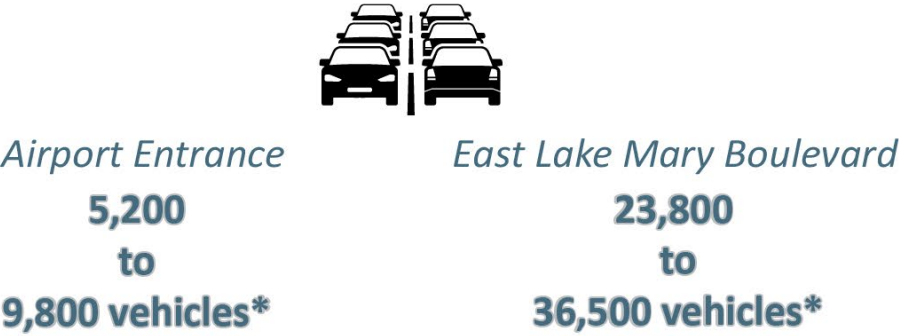
Passenger Boarding Growth



Planned Developments



Increased Traffic by 2050

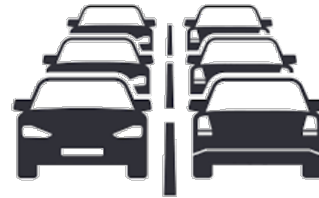


*increased traffic from Year 2022 to the 2050 No-Build Condition

Purpose of the Project



Improves Airport Access



Addresses Future Traffic Needs and Safety



Enhances Regional Connectivity



Reduces traffic by 44% in 2030 (Diverts 9,700 vehicles/day at Lake Mary Blvd interchange)

CF&M Evaluation Criteria

SOCIAL ENVIRONMENT

- Residential
- Businesses
- Schools
- Churches
- Fire Stations
- Law Enforcement Facilities
- Planned Developments
- Right-of-way Considerations
- Cost Estimates

NATURAL ENVIRONMENT

- Wetlands
- Floodplains
- Protected Species
- Wildlife Habitat

CULTURAL ENVIRONMENT

- Parks & Recreation
- Public Lands
- Conservation Areas
- Trails & Greenways
- Potential Archaeological Sites
- Potential Historic Resources

PHYSICAL ENVIRONMENT

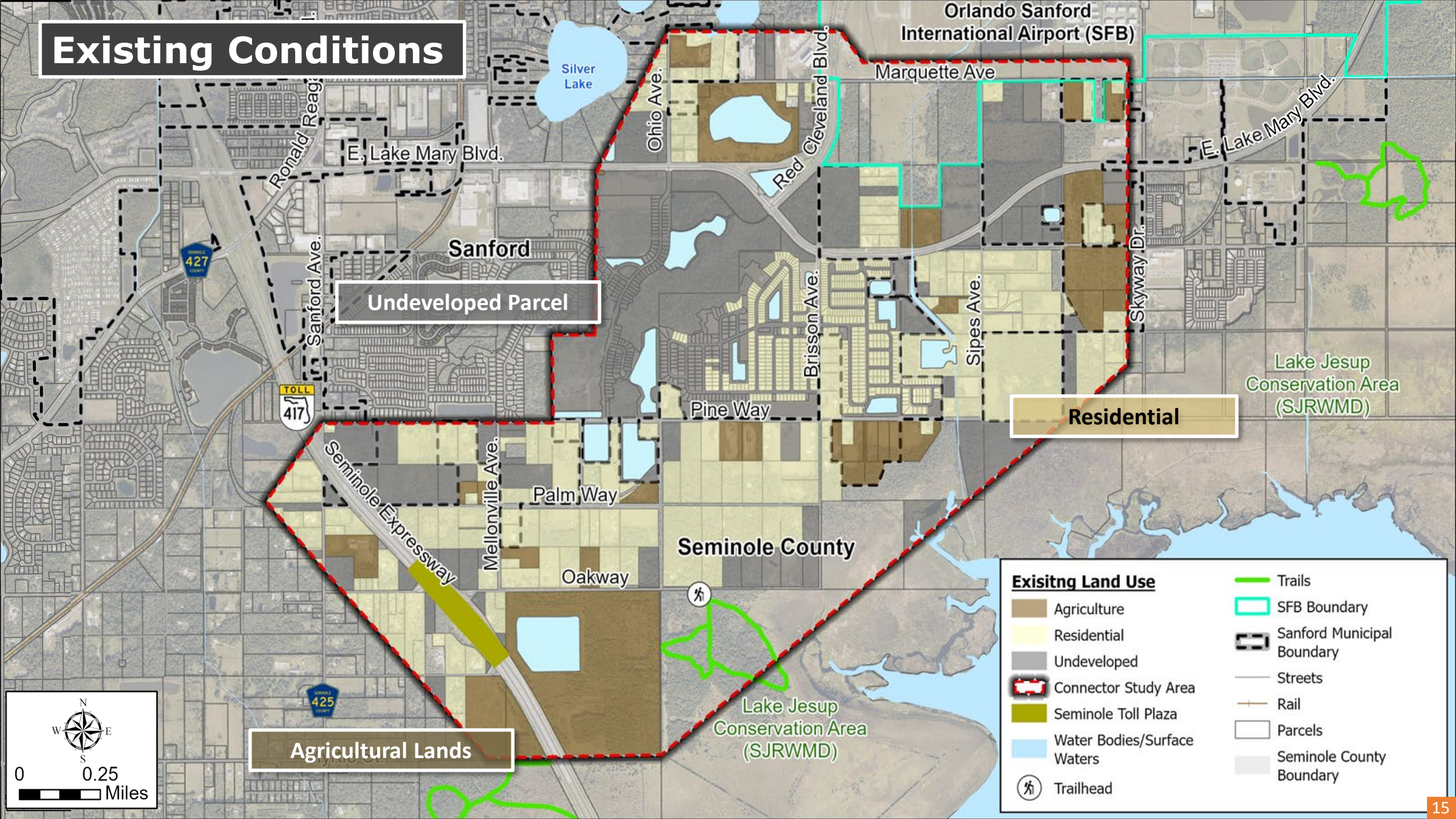
- Noise Sensitive Areas
- Railroads
- Major Utilities
- Contamination Sites
- Hazardous Material Sites
- Industrial Sites
- Underground Fuel Tanks

Mobility Considerations

- Regional Coordination
 - Airport Master Plan
 - LYNX
 - SunRail
- Seminole County Trails Master Plan
- Intermodal Connections
 - Park and Rides



Existing Conditions

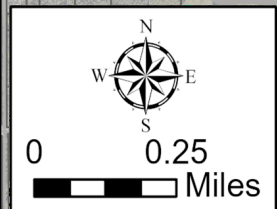
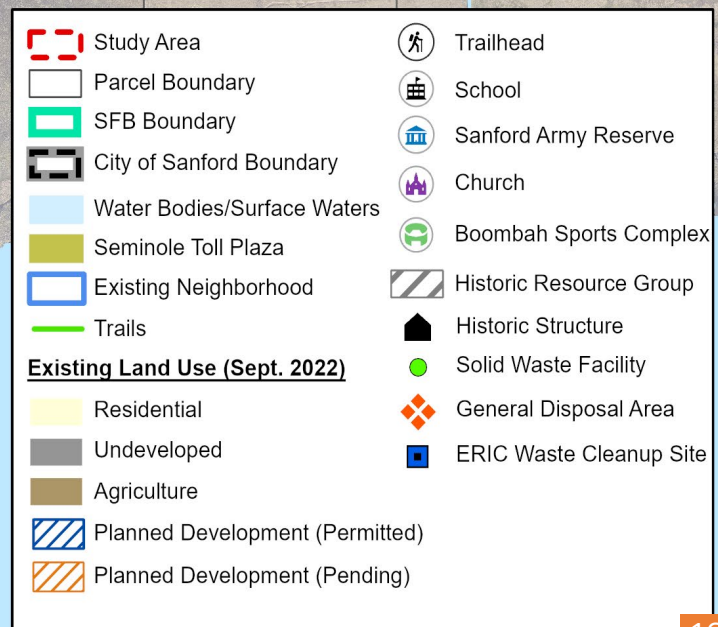
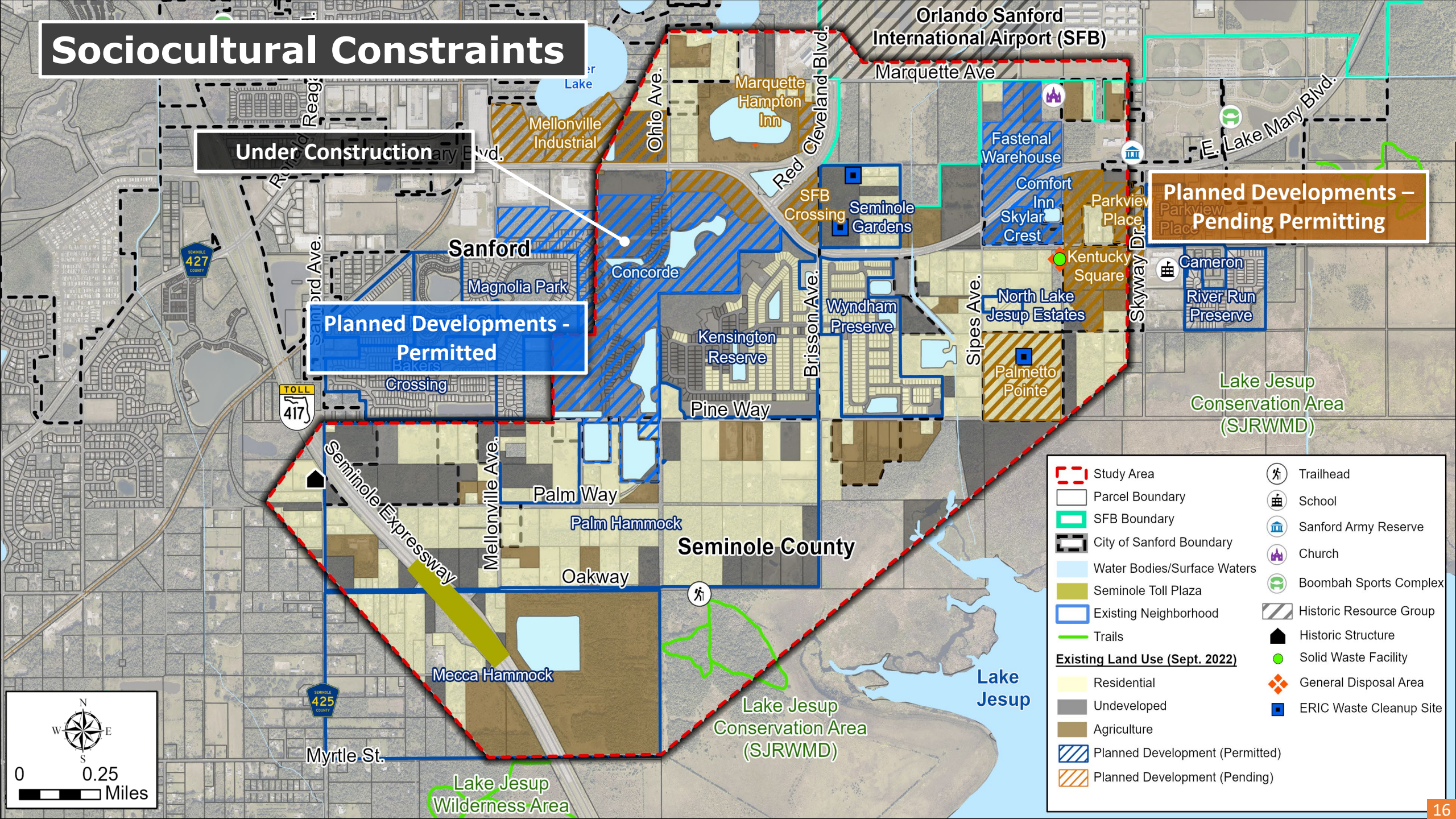


Sociocultural Constraints

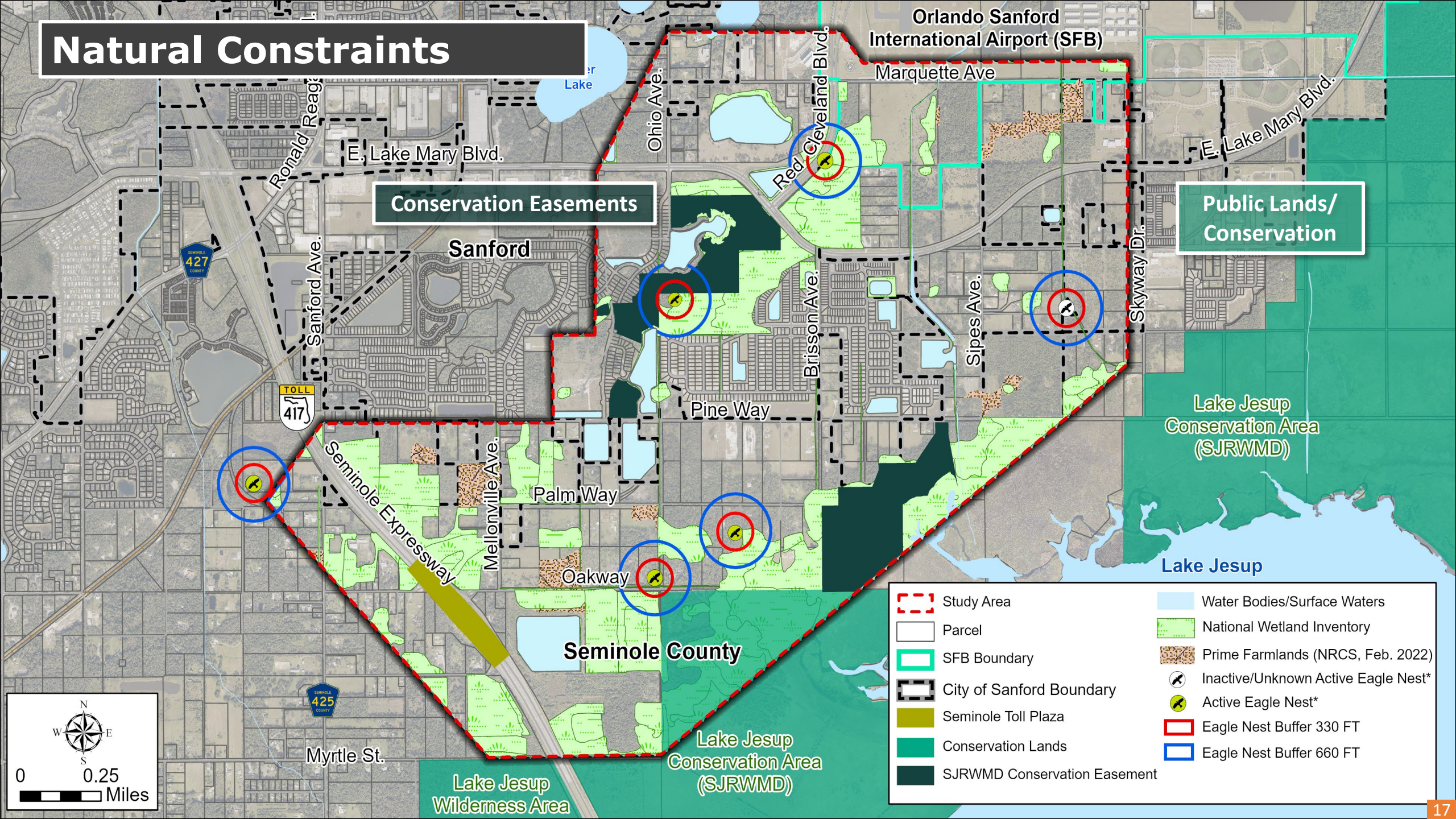
Under Construction

Planned Developments - Permitted

Planned Developments – Pending Permitting



Natural Constraints



Conservation Easements

Public Lands/
Conservation

Lake Jesup
Conservation Area
(SJRWMD)

Lake Jesup

Seminole County

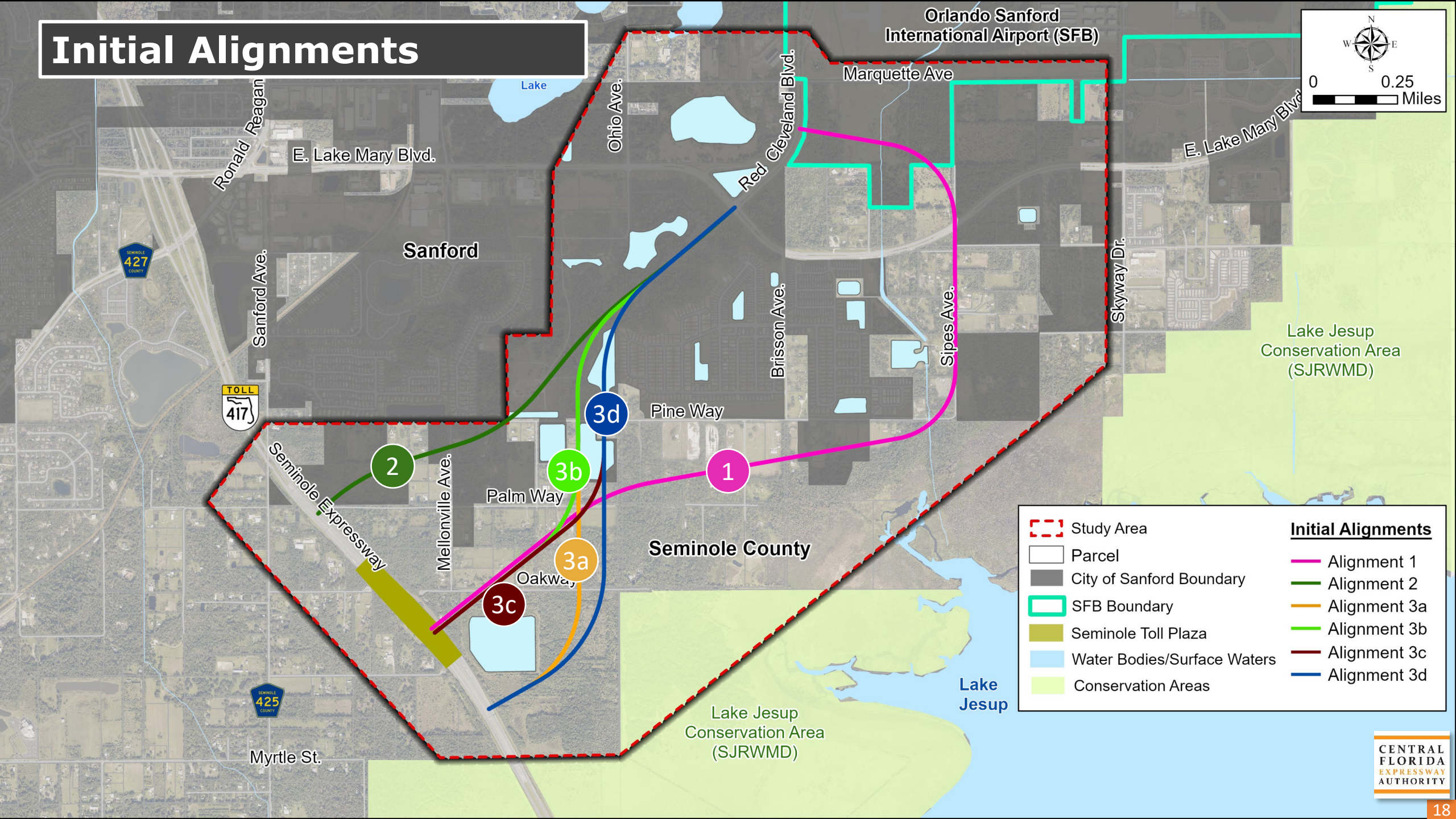
Lake Jesup
Conservation Area
(SJRWMD)

Lake Jesup
Wilderness Area

- Study Area
- Parcel
- SFB Boundary
- City of Sanford Boundary
- Seminole Toll Plaza
- Conservation Lands
- SJRWMD Conservation Easement
- Water Bodies/Surface Waters
- National Wetland Inventory
- Prime Farmlands (NRCS, Feb. 2022)
- ✖ Inactive/Unknown Active Eagle Nest*
- ⚡ Active Eagle Nest*
- Eagle Nest Buffer 330 FT
- Eagle Nest Buffer 660 FT



Initial Alignments

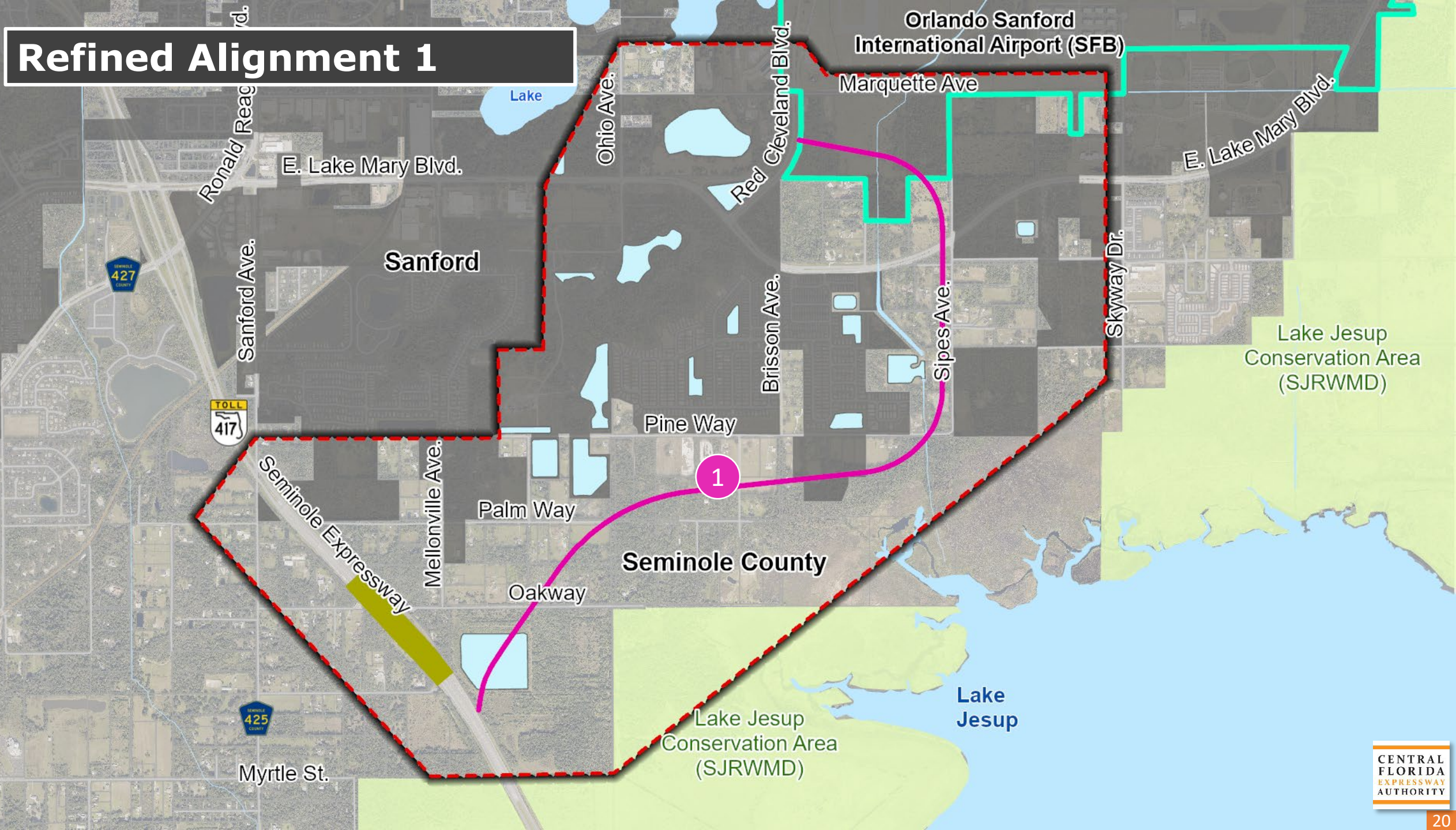


Public and Agency Input

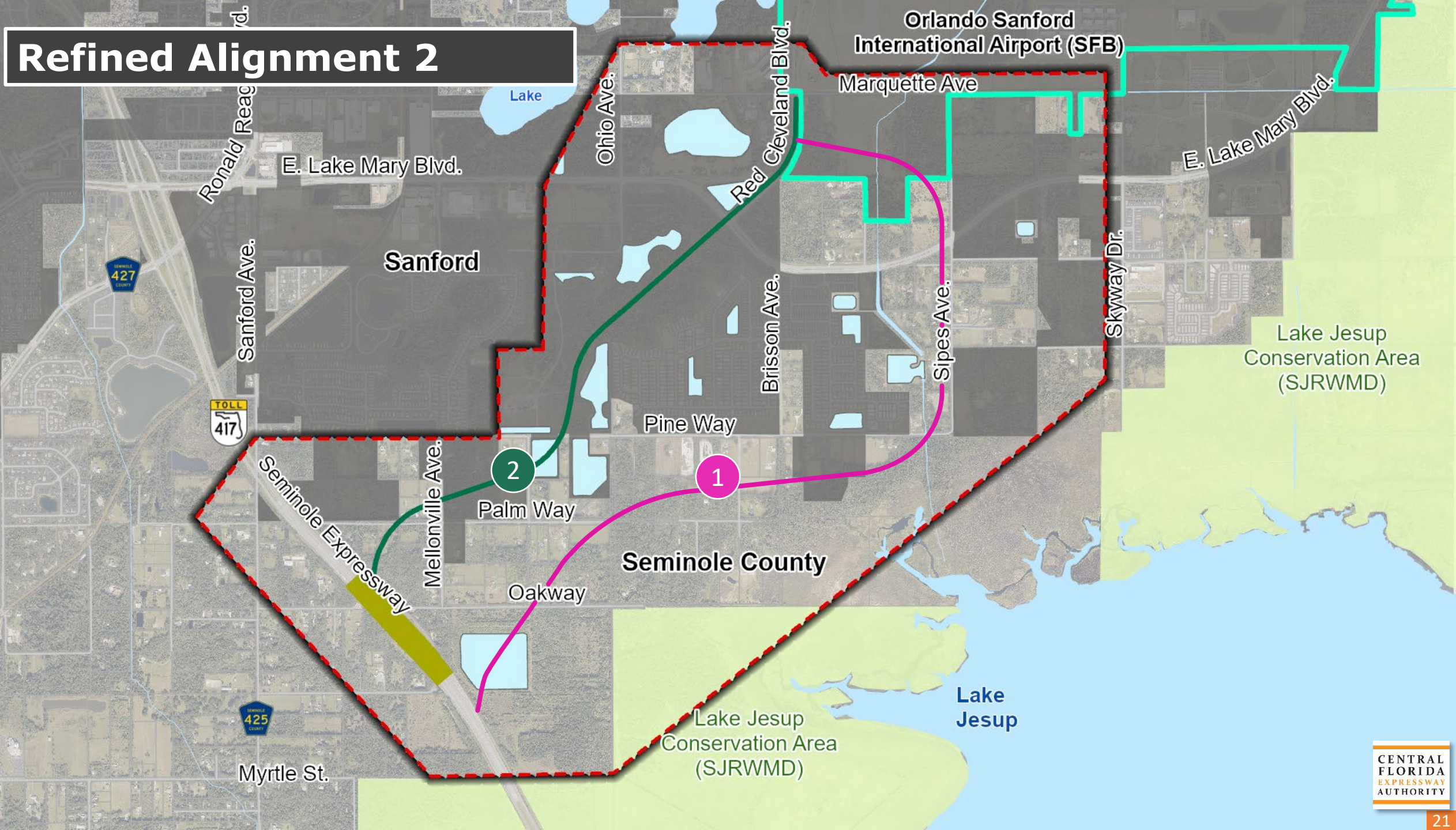
- ✓ Minimize proximity to Lake Jesup Conservation Area
- ✓ Avoid/Minimize impacts to SJRWMD conservation easements
- ✓ Review potential future wildlife connectivity
- ✓ Identify potential conservation mitigation opportunities
- ✓ Minimize wetland involvement at SR 417 interchange and consider elevated structures
- ✓ Avoid floodplain involvement and increased flooding
- ✓ Improve water quality
- ✓ Provide adequate stormwater management facilities and protect water resources



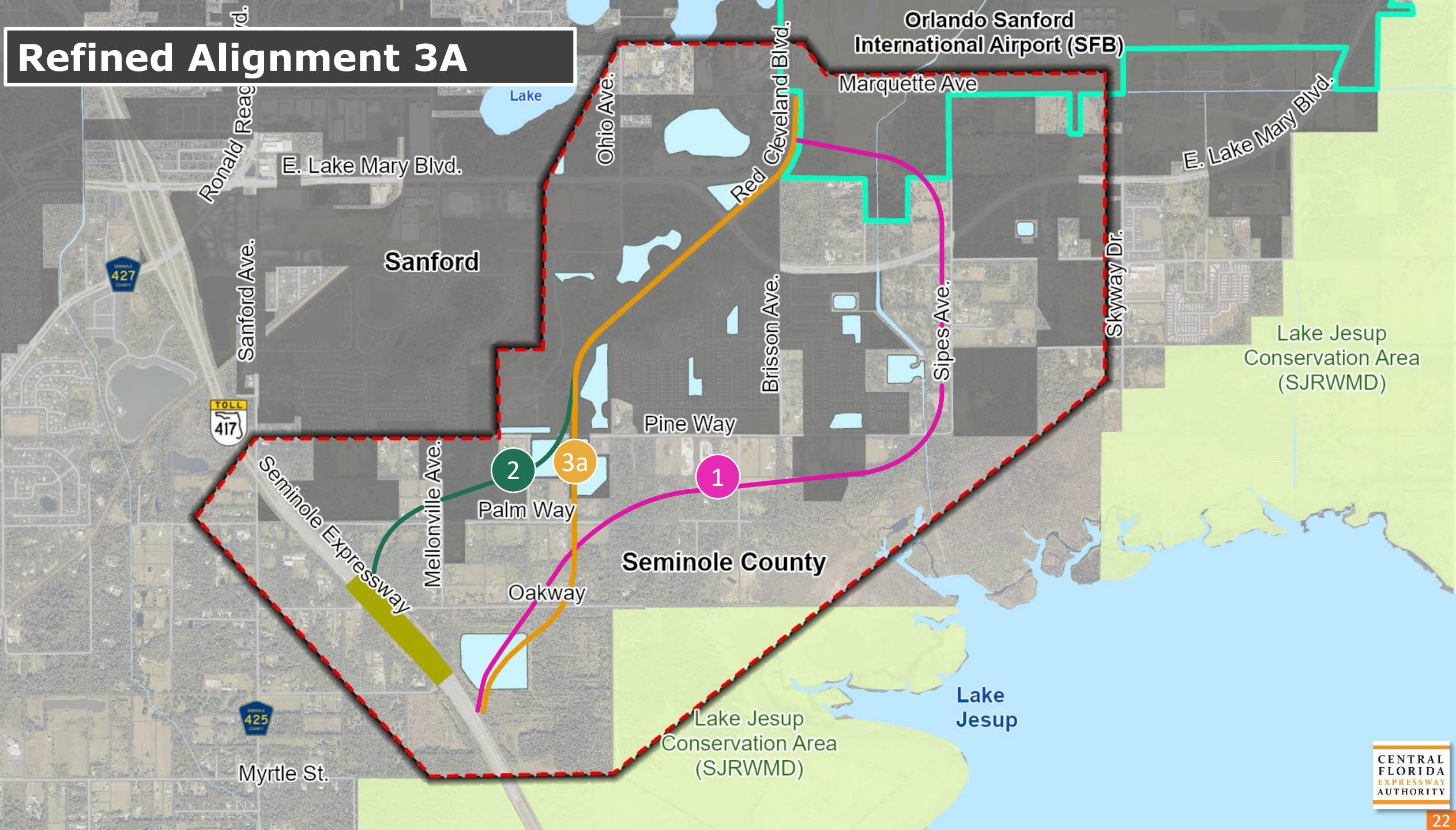
Refined Alignment 1



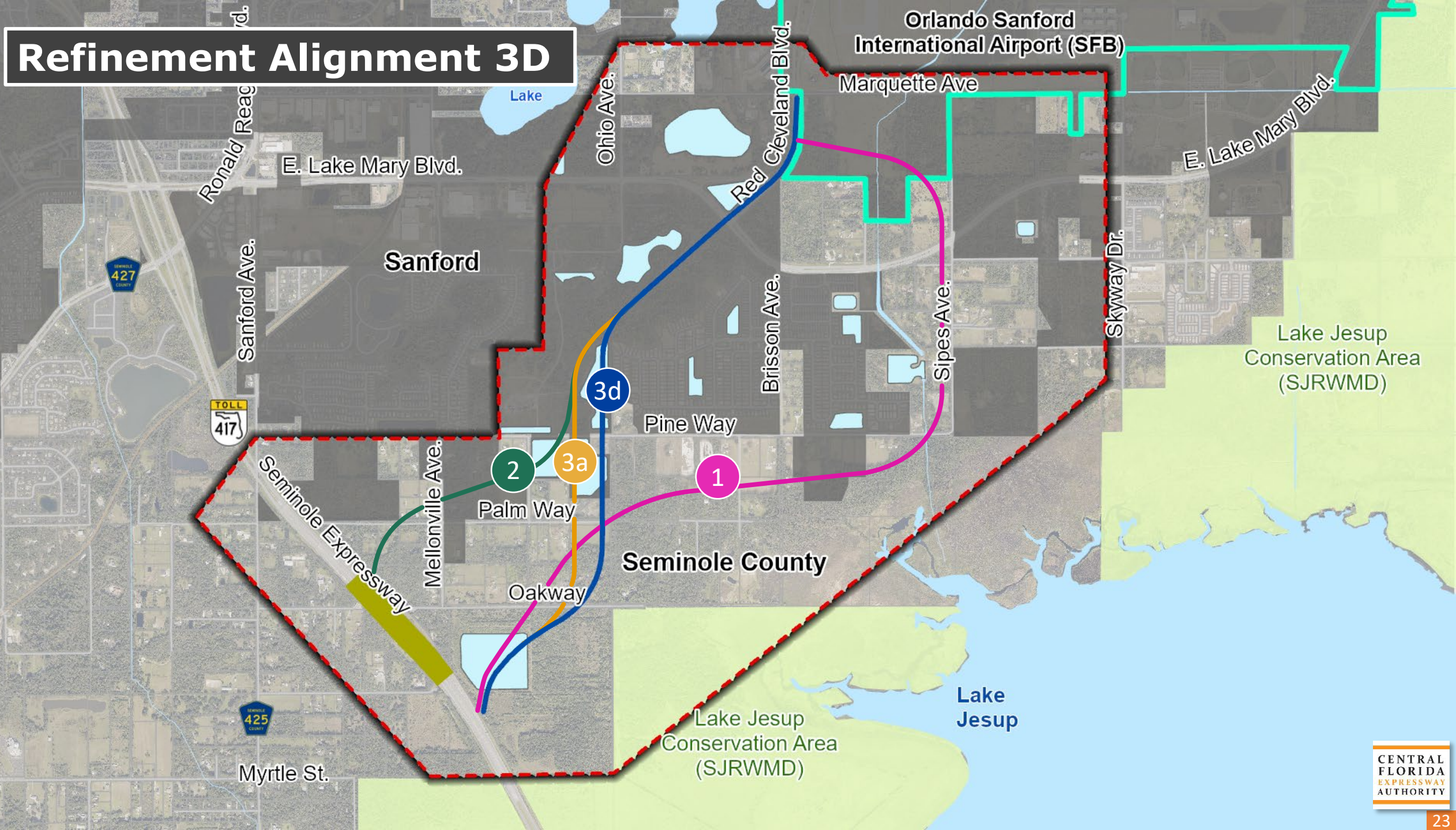
Refined Alignment 2



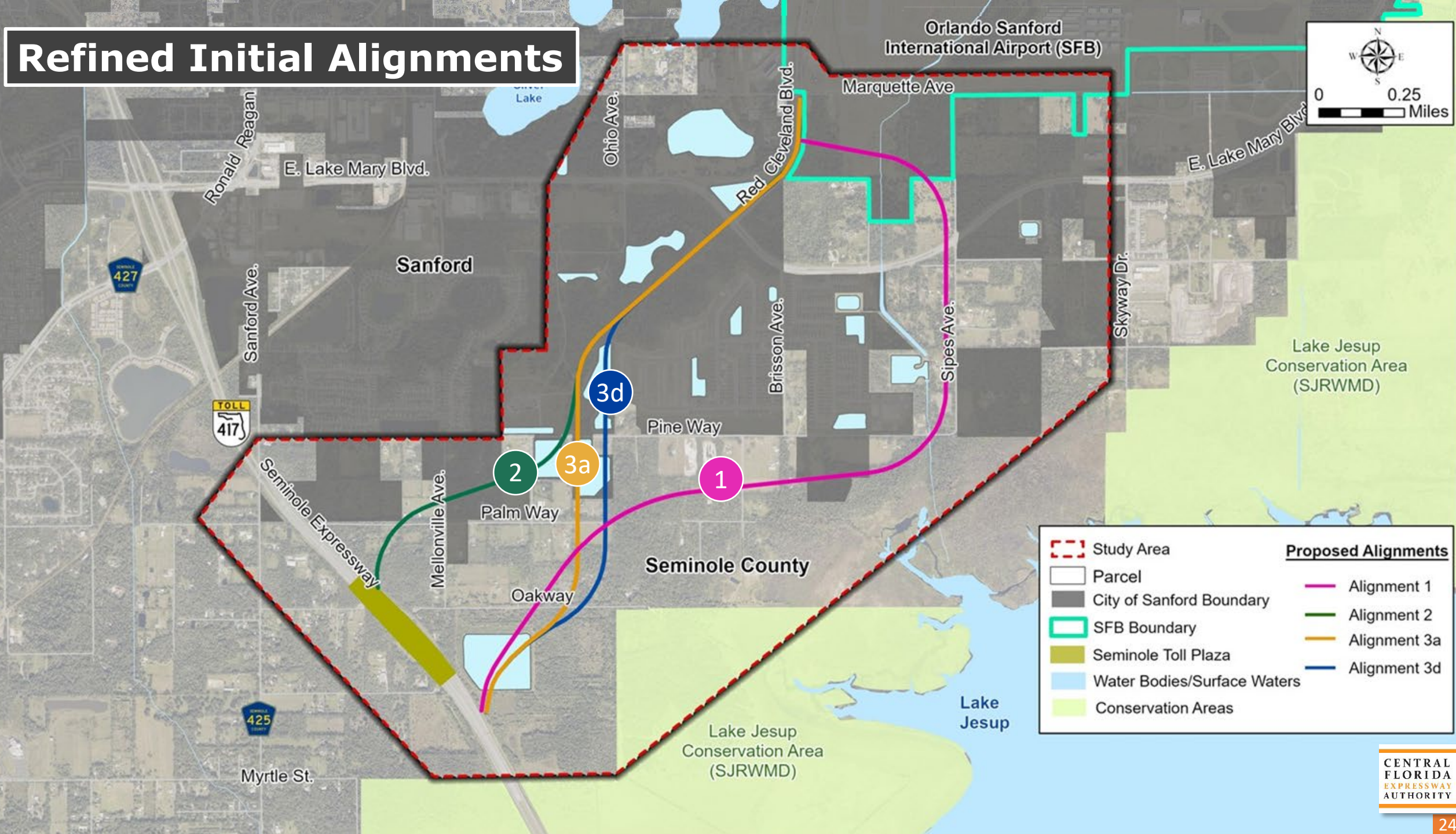
Refined Alignment 3A



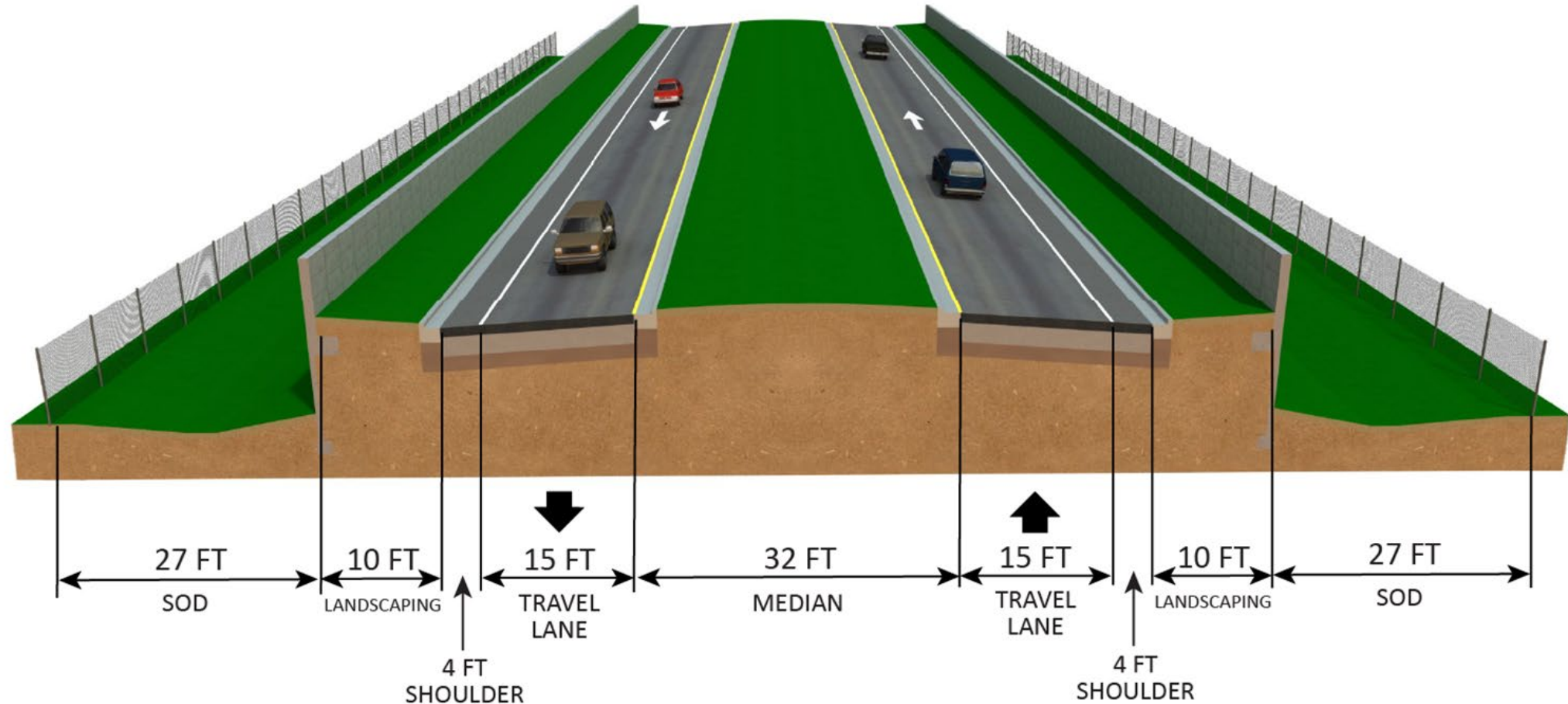
Refinement Alignment 3D



Refined Initial Alignments

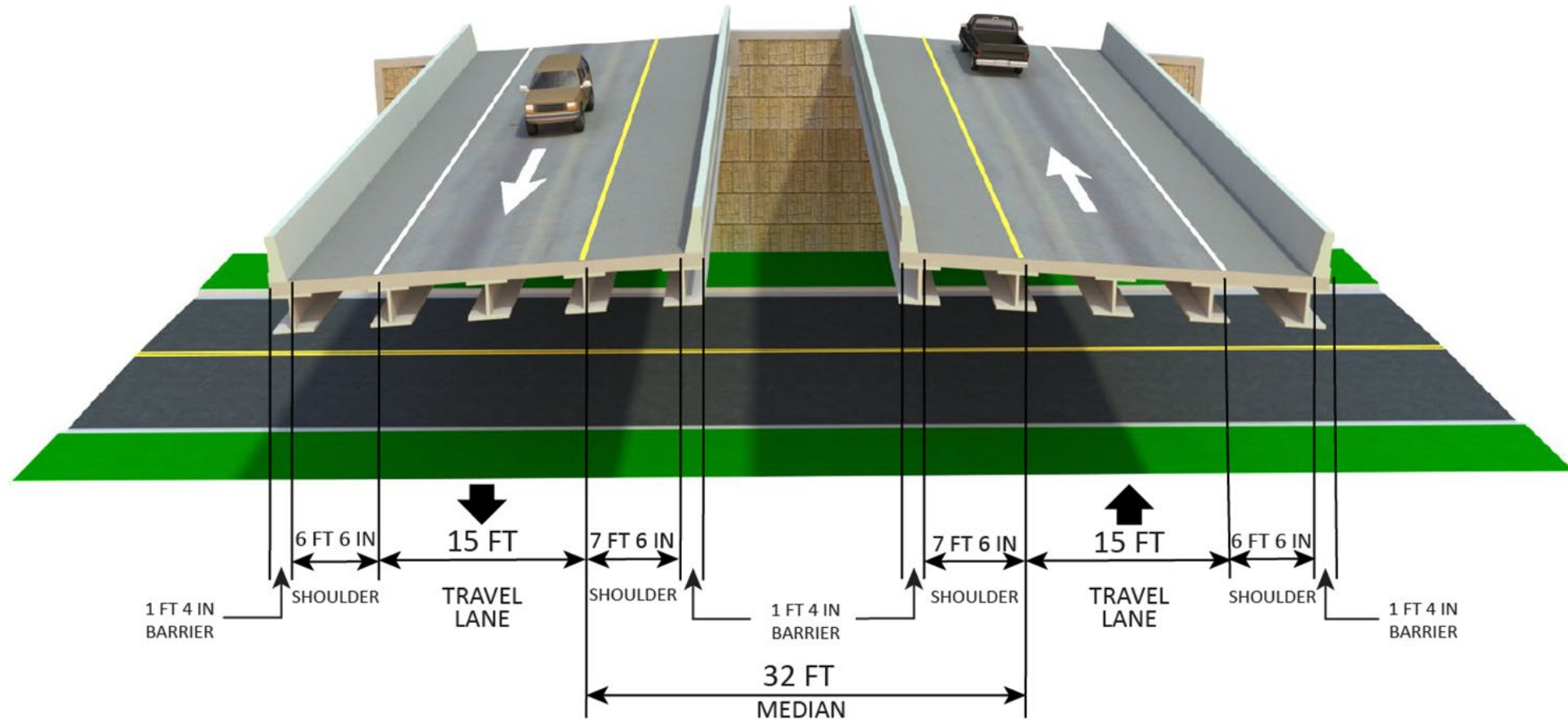


Proposed Connector Typical Section (2-Lane)



Design Speed = 45 mph
Approximate ROW = 150 feet

Proposed Connector Bridge Typical Section

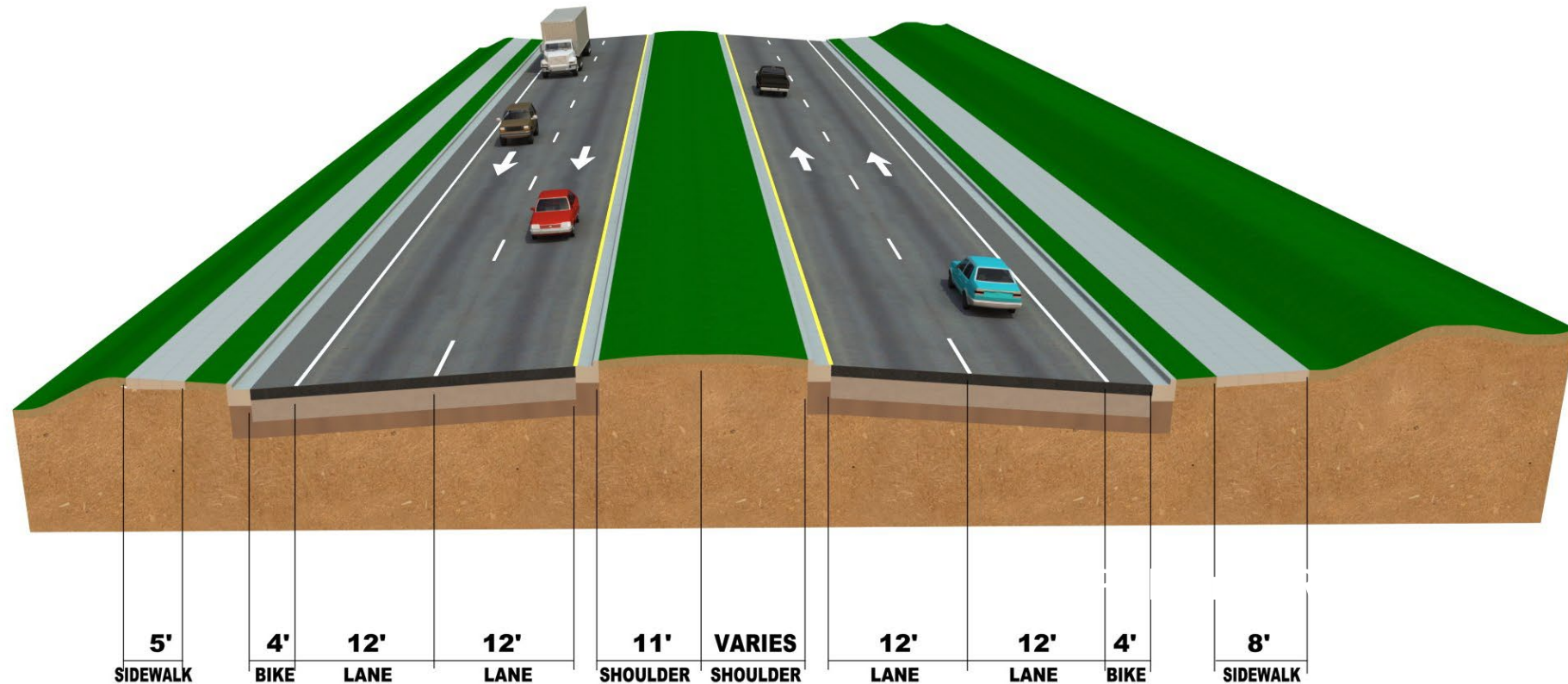


Typical is for local road crossings under 500 ft. in length

Design Speed = 45 mph

Approximate ROW = 77 feet & 8 inches

East Lake Mary Blvd. Existing Typical Section



(from Ohio Avenue to Brisson Avenue)

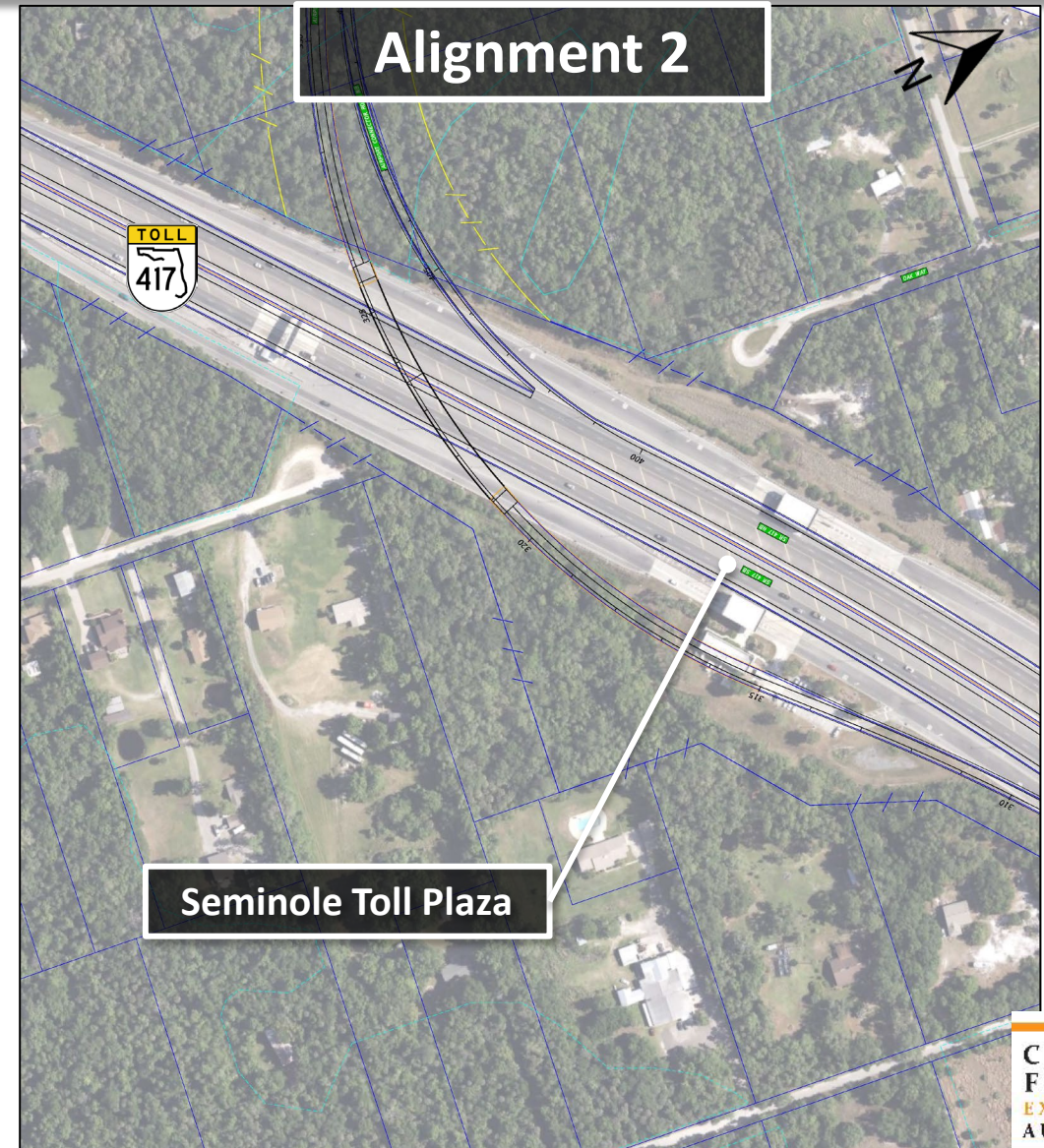
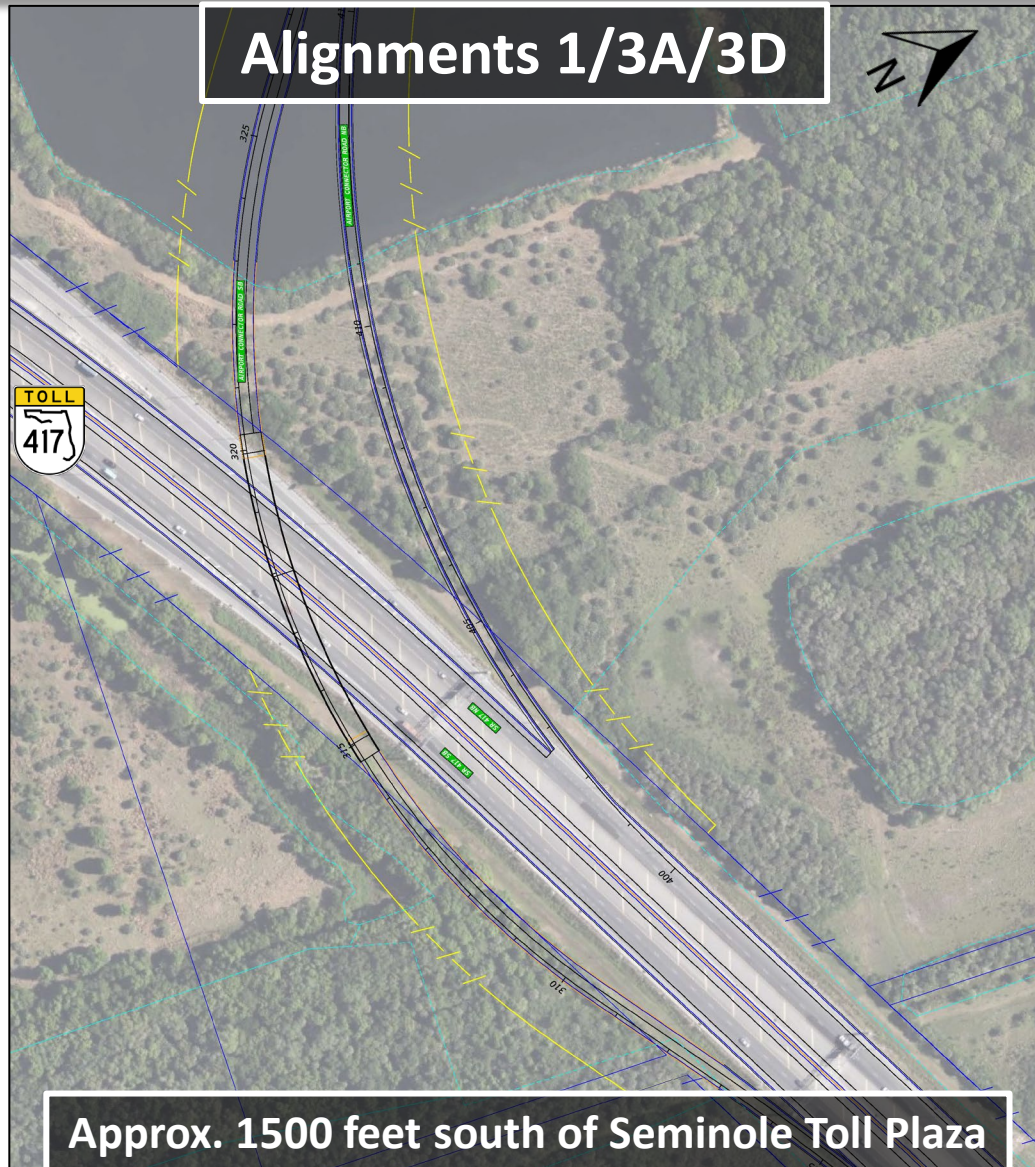
Proposed Interchange at East Lake Mary Blvd.



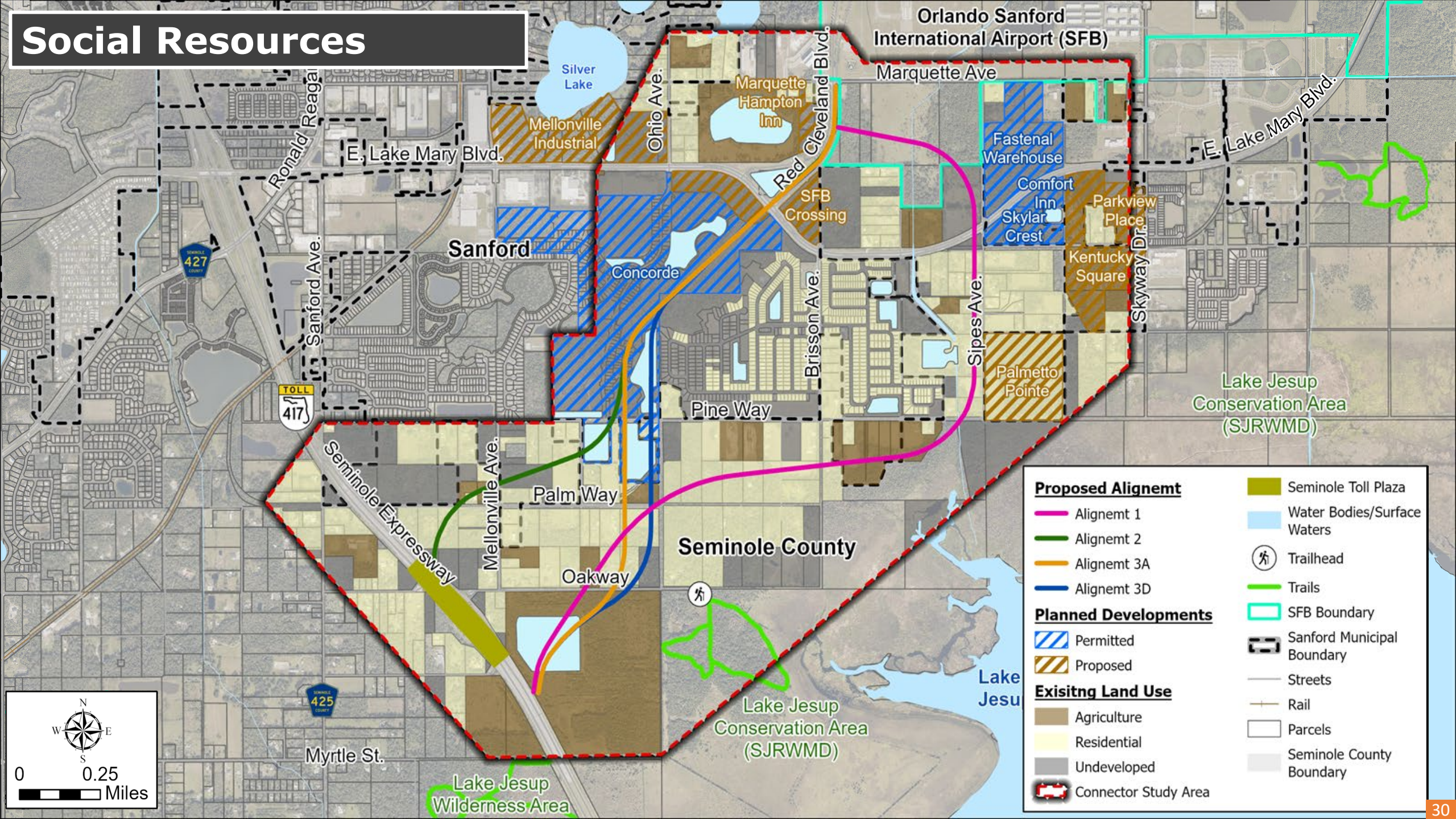
Preliminary Rendering

- Signalized Intersection
- Access to existing roadways maintained
- Full access to East Lake Mary Blvd.
- Improves future intersection operations

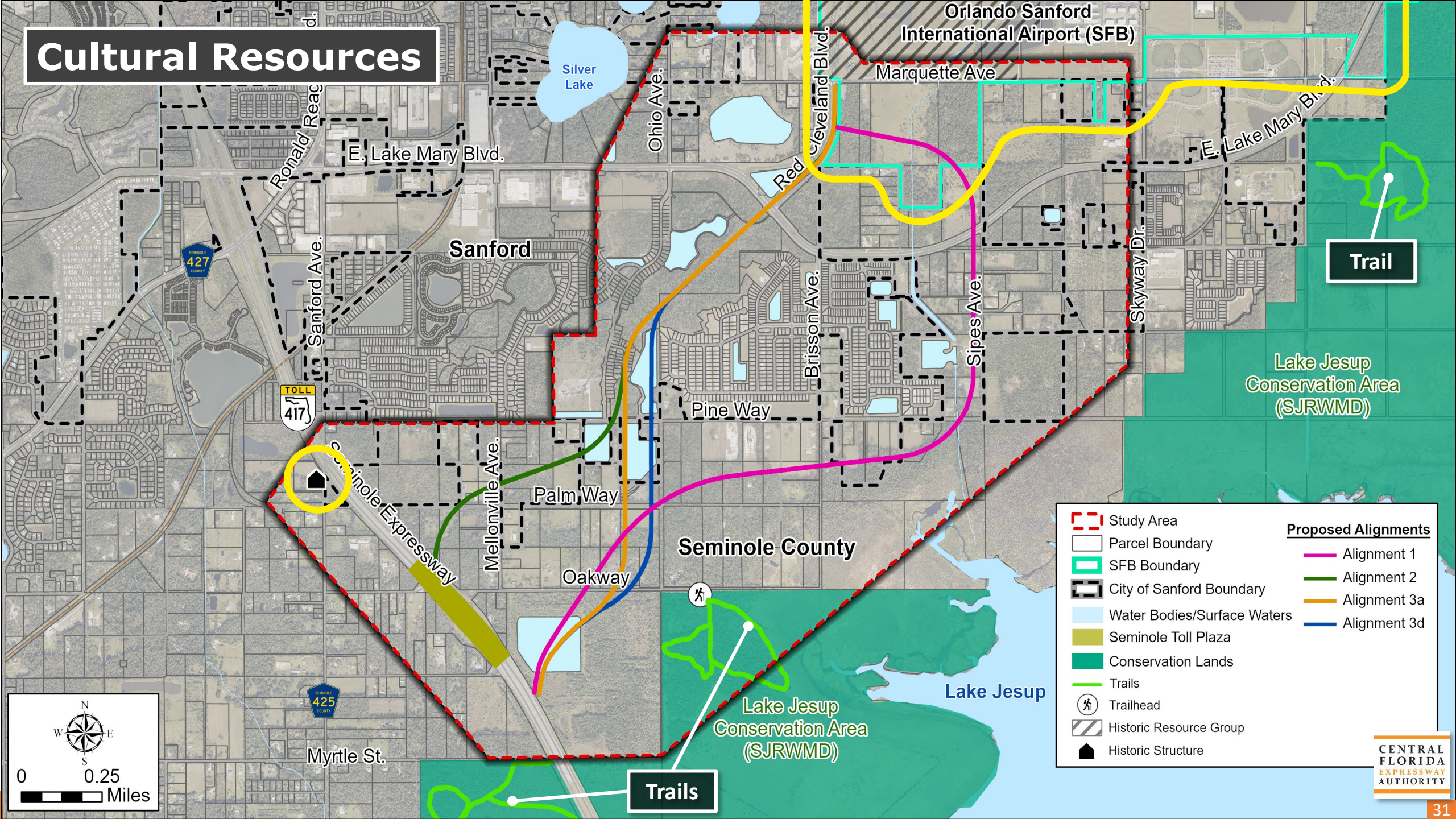
Proposed Interchange at SR 417



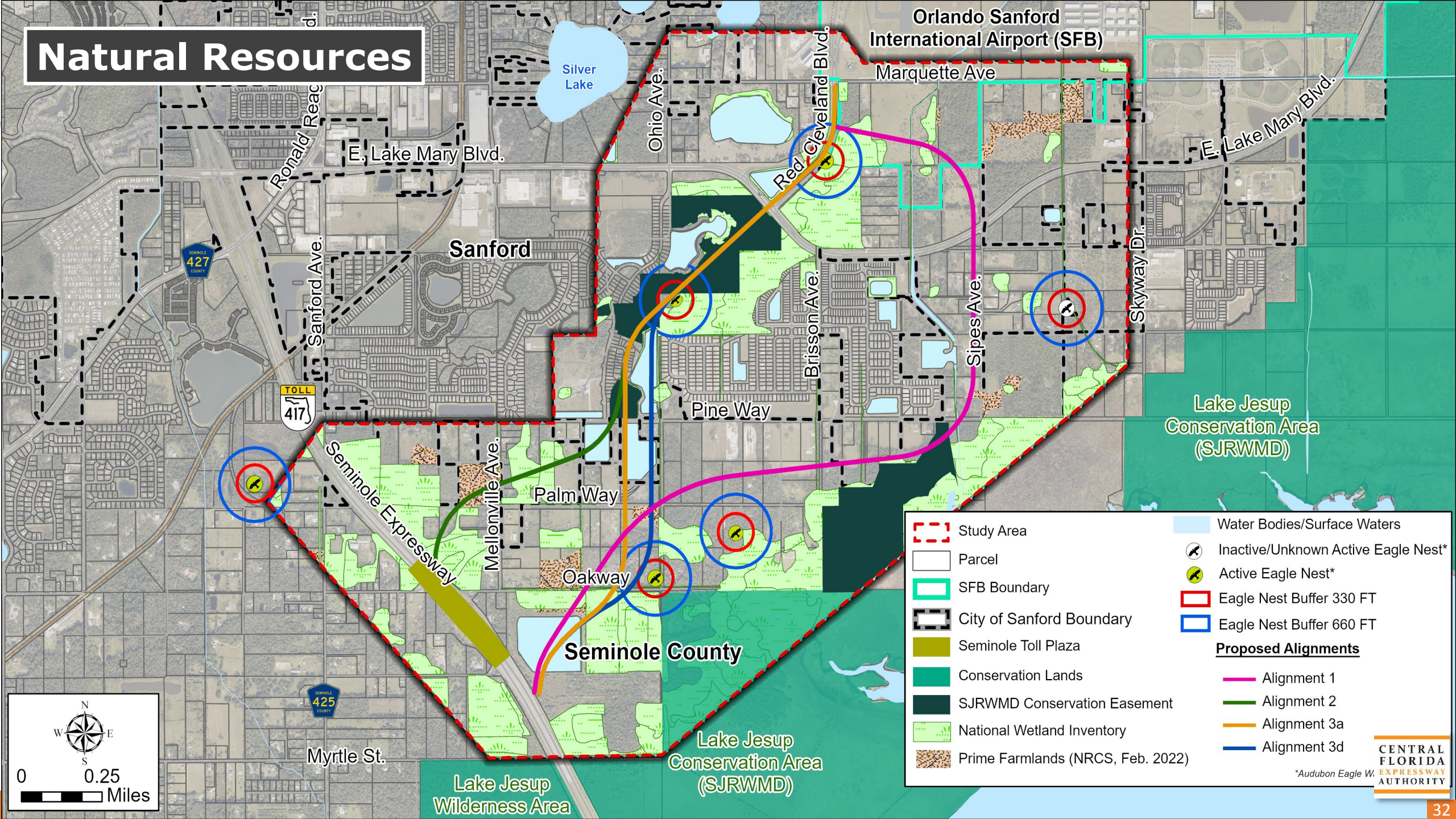
Social Resources



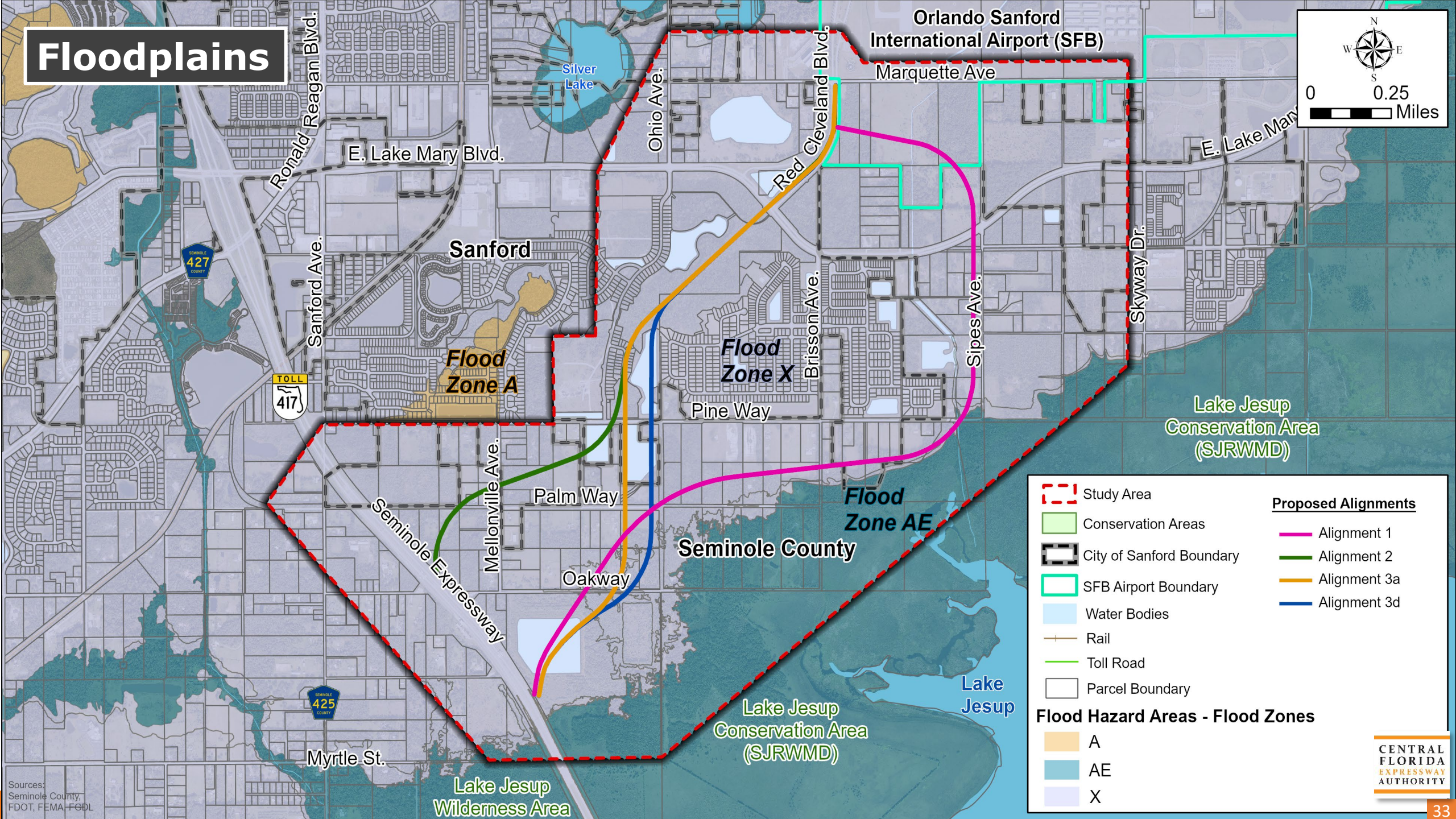
Cultural Resources



Natural Resources



Floodplains



Sources:
Seminole County,
FDOT, FEMA, FCDL

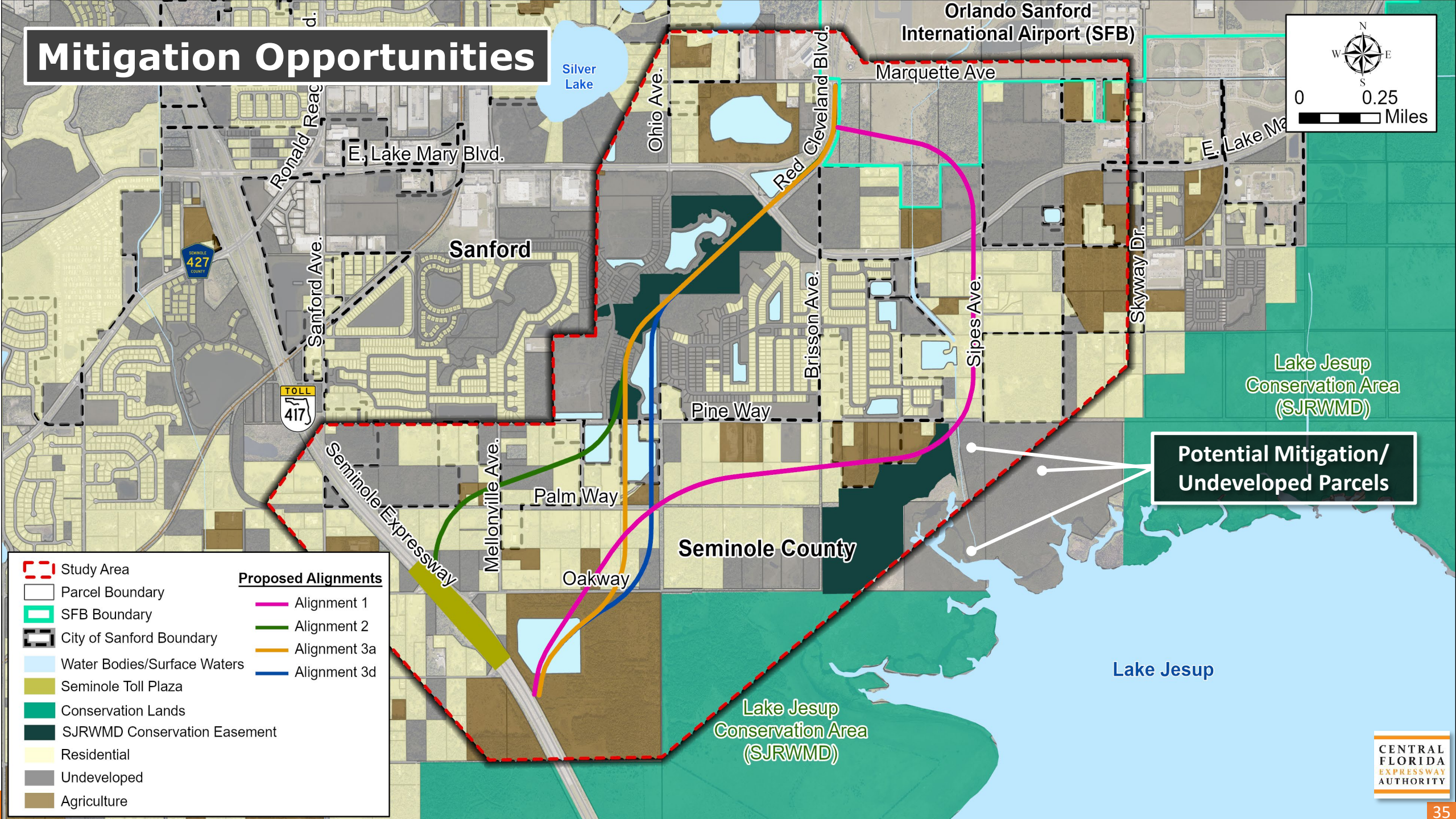
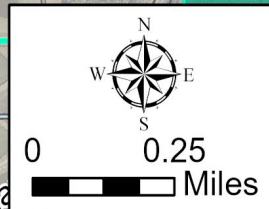
Species Involvement

Protected Species & Habitat

- Consultation Areas: Florida scrub-jay, Everglade snail kite, crested caracara, and manatee (Lake Jesup).
- Florida Wildlife Corridor: No Impacts
- Potential Species Involvement (medium/high occurrence):
 - Eastern indigo snake
 - Florida sandhill crane
 - Little blue heron
 - Bald eagle (up to three nests)
 - Florida black bear
 - Gopher tortoise
 - Roseate spoonbill
 - Short-tailed snake
 - Florida burrowing owl
 - Tricolored heron
 - Southeastern American kestrel
 - Wood stork
 - Everglades snail kite



Mitigation Opportunities



Study Area

Parcel Boundary

SFB Boundary

City of Sanford Boundary

Water Bodies/Surface Waters

Seminole Toll Plaza

Conservation Lands

SJRWMD Conservation Easement

Residential

Undeveloped

Agriculture

Proposed Alignments

Alignment 1

Alignment 2

Alignment 3a

Alignment 3d

Evaluation Matrix

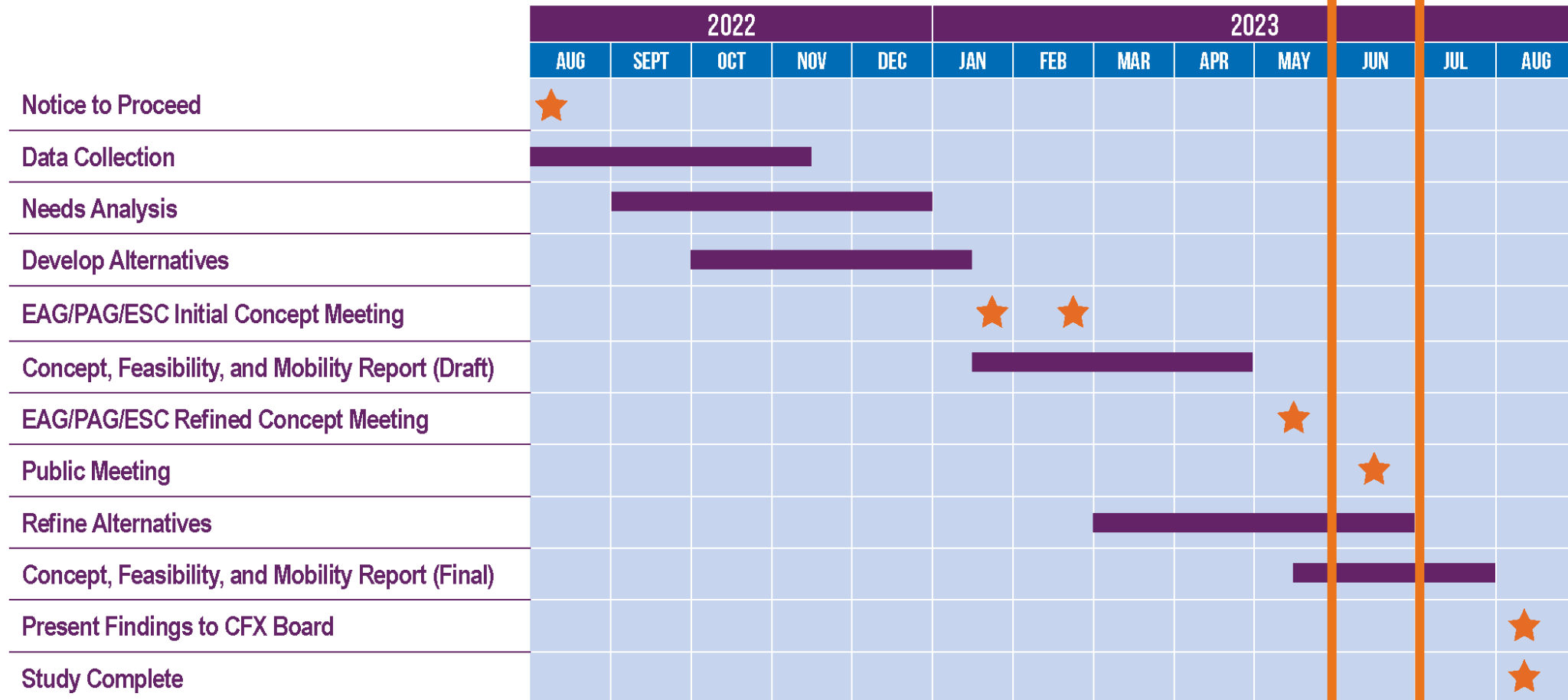
SR 417 (Seminole Expressway) to Orlando Sanford International Airport Connector Concept, Feasibility, and Mobility Study					
Evaluation Matrix					
Evaluation Criteria	Unit of Measure	Alternatives			
		1	2	3a	3d
Design					
Alternative Length	Miles	3.1	2.4	2.5	2.5
Right-of-Way Width	Feet	150	150	150	150-200
Projected 2050 Traffic Volume	Daily Vehicles	18,400	24,800	24,800	24,800
Preliminary Total Project Cost	2022 Dollars	\$153 Million	\$144 Million	\$153 Million	\$161 Million
Social					
Right-of-Way Area Needed (not including proposed ponds)	Total Acres	62	42	50	58
Potential Permitted Development Impacts	Acres	0	5	6	11
Potential Residential Parcels Affected	Total Parcels	26	31	23	5
Existing	Parcels	26	13	5	5
Planned	Parcels	0	18	18	0
Potential Non-Residential Parcels Affected	Total Parcels	17	10	13	11
Existing	Parcels	17	2	5	5
Planned	Parcels	0	8	8	6
Community Facilities	No. of Conflicts	1 ^a	0	0	0
Parks and Recreational Facilities (public and private)	No. of Conflicts	0	0	0	0
Trails	No. of Conflicts	0	0	0	0
Community Cohesion Effects	High/Med/Low	High	High	Med	Low
Socio-Economic Impacts to Special Populations	High/Med/Low	Low	Low	Low	Low
Prime Farmland	Acres	2	3	<1	1
Cultural Environment					
Proximity to Public Recreation Lands and Wildlife Management Areas ^d	Feet	0	2500	400	400
Public Recreation Lands and Wildlife Management Areas Impacted	Y/N	N	N	N	N
Potential Known Historic Resources	No. of Resources	1 ^b	0	0	0
Potential Known Historic Linear Resources (Canals/Highways/Railroads)	No. of Resources	1 ^c	0	0	0
Potential Known Archaeological Resources	No. of Resources	0	0	0	0
Natural Environment					
Potential Regulatory Conservation Easement Impacts (S/RWMD)	Acres	2	14	14	10
Potential Surface Water Impacts	Total Acres	7	3	13	18
Natural Lakes	Acres	0	0	0	0
Stormwater Management Areas	Acres	0	3	3	8
Other Reservoirs	Acres	7	0	10	10
Canals/Creeks	No. of Conflicts	2	0	0	0
Flood Hazard Area Impacts (100 Year Floodplain)	Acres	2	0	2	2
Wetlands	Total Acres	7	19	17	16
Forested	Acres	4	16	16	15
Non-forested	Acres	3	3	1	1
Potential Habitat - Federal Listed Species	Acres	47	34	37	58
Potential Habitat - State-Listed Species	Acres	40	32	27	58
Potential Bald Eagle Nest	No. of Conflicts	1	2	3	3
Potential Species Impacts (composite rating)	High/Med/Low	Medium ^e	Medium ^e	Medium ^e	Medium ^e
Mitigation Banks	Acres	0	0	0	0
Florida Forever Lands	Acres	0	0	0	0
Florida Wildlife Corridors	Acres	0	0	0	0
Physical					
Major Utility Conflicts - Existing ^f	No. of Conflicts	7	2	3	1
Contamination Sites & Facilities (Medium and High Risk Sites)	No. of Conflicts	0	0	0	0
Railroad Involvement	No. of Conflicts	0	0	0	0

Notes:
^aSanford Airport Authority Runway Protection Zone (RPZ)
^b1965 building located within alignment
^c1965 canal/lot located within alignment
^dNearest edge of pavement to nearest Public Lands boundary
^eMedium due to eagle nest involvement
^fUtility impacts consist of overhead electric, overhead CATV/telephone, 12" water main [E. Lake Mary Blvd.], and 8" water main [E. Lake Mary Blvd.]

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Socio-Economic Impacts to Special Populations	High/Med/Low	Low	Low	Low	Low
Prime Farmland	Acres	2	3	<1	1

CF&M Schedule

(Subject to Change)



Public Involvement Opportunities

Shortened study website address:
<http://bit.ly/SR417AirportConnector>

CFX Web Address:
www.CFXway.com

Shemir Wiles
Public Involvement Coordinator
407-802-3210
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EXPRESSWAY
AUTHORITY

THANK YOU!