



SR 515 Northeast Connector Expressway Phase 2 Project Development & Environment (PD&E) Study

Community Engagement Group

Nick Lulli, Quest Corporation of America

Sunserea Gates, PE, VHB

— August 15, 2024 —

TO RAISE YOUR HAND
TO SPEAK




Your mic has been enabled
Unmute if you'd like to speak.

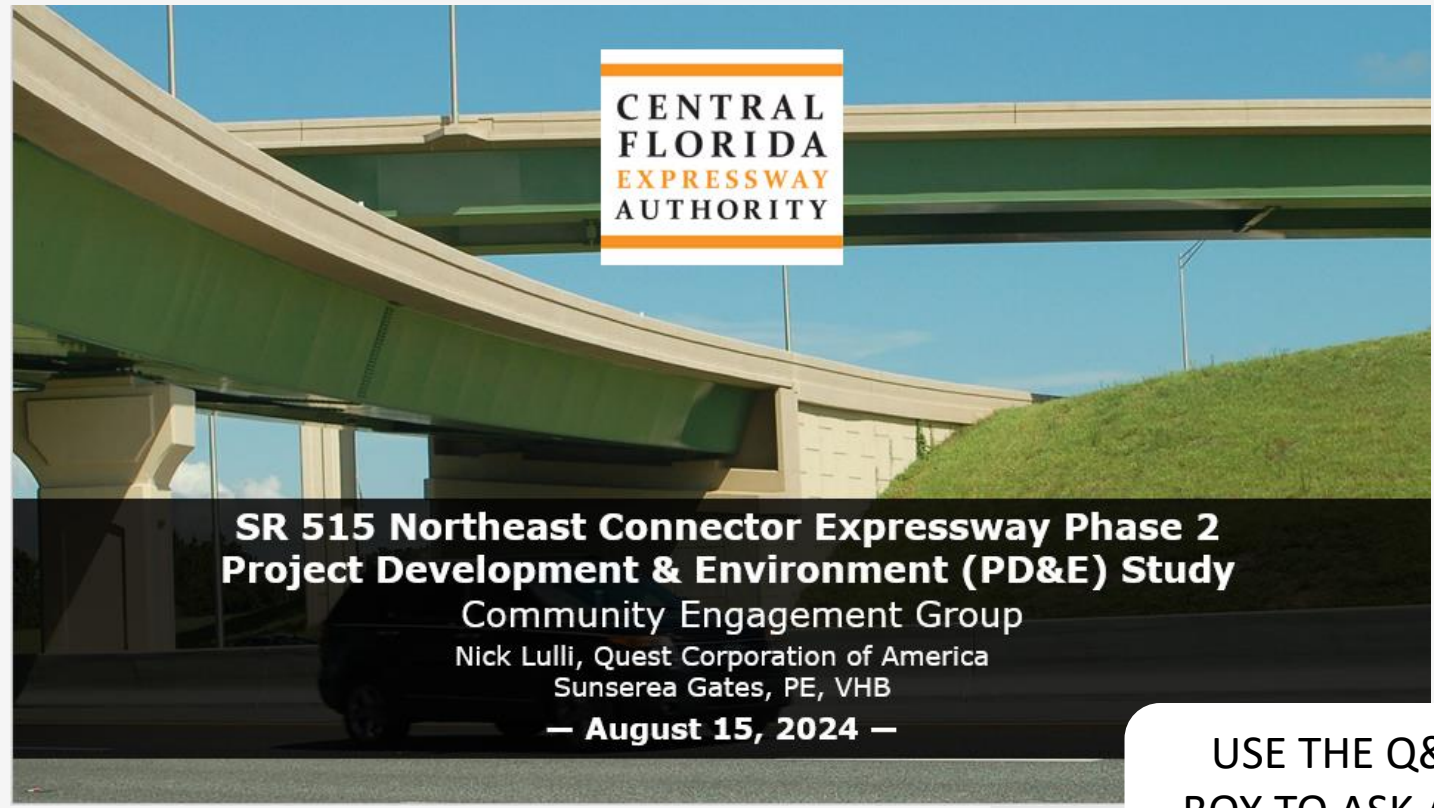
TO MUTE
OR
UNMUTE YOURSELF



**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

**SR 515 Northeast Connector Expressway Phase 2
Project Development & Environment (PD&E) Study**
Community Engagement Group
Nick Lulli, Quest Corporation of America
Sunserea Gates, PE, VHB
— August 15, 2024 —


 Your mic has been disabled
You can no longer unmute.




USE THE Q&A BOX TO ASK ANY QUESTIONS


Q&A

Collapse





Have you selected an alignment yet?

 ▾

B *I*  ...

Ask






No questions yet

Start the discussion by asking a question

Ask a question



00:03



Chat



Q&A



People



Raise



View



More



Camera



Mic



Share



Leave

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

SR 515 Northeast Connector Expressway Phase 2 Project Development & Environment (PD&E) Study

Community Engagement Group

Nick Lulli, Quest Corporation of America

Sunserea Gates, PE, VHB

— August 15, 2024 —

NOTE THE
SLIDE NUMBER

1

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

00:03



Chat



Q&A



People



Raise



View



More



Camera



Mic



Share



Leave

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

SR 515 Northeast Connector Expressway Phase 2 Project Development & Environment (PD&E) Study

Community Engagement Group

Nick Lulli, Quest Corporation of America

Sunserea Gates, PE, VHB

— August 15, 2024 —

Title VI Compliance

This meeting, project, or study 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:

Nick Lulli

Public Involvement Coordinator

4974 ORL Tower Road Orlando, FL 32807

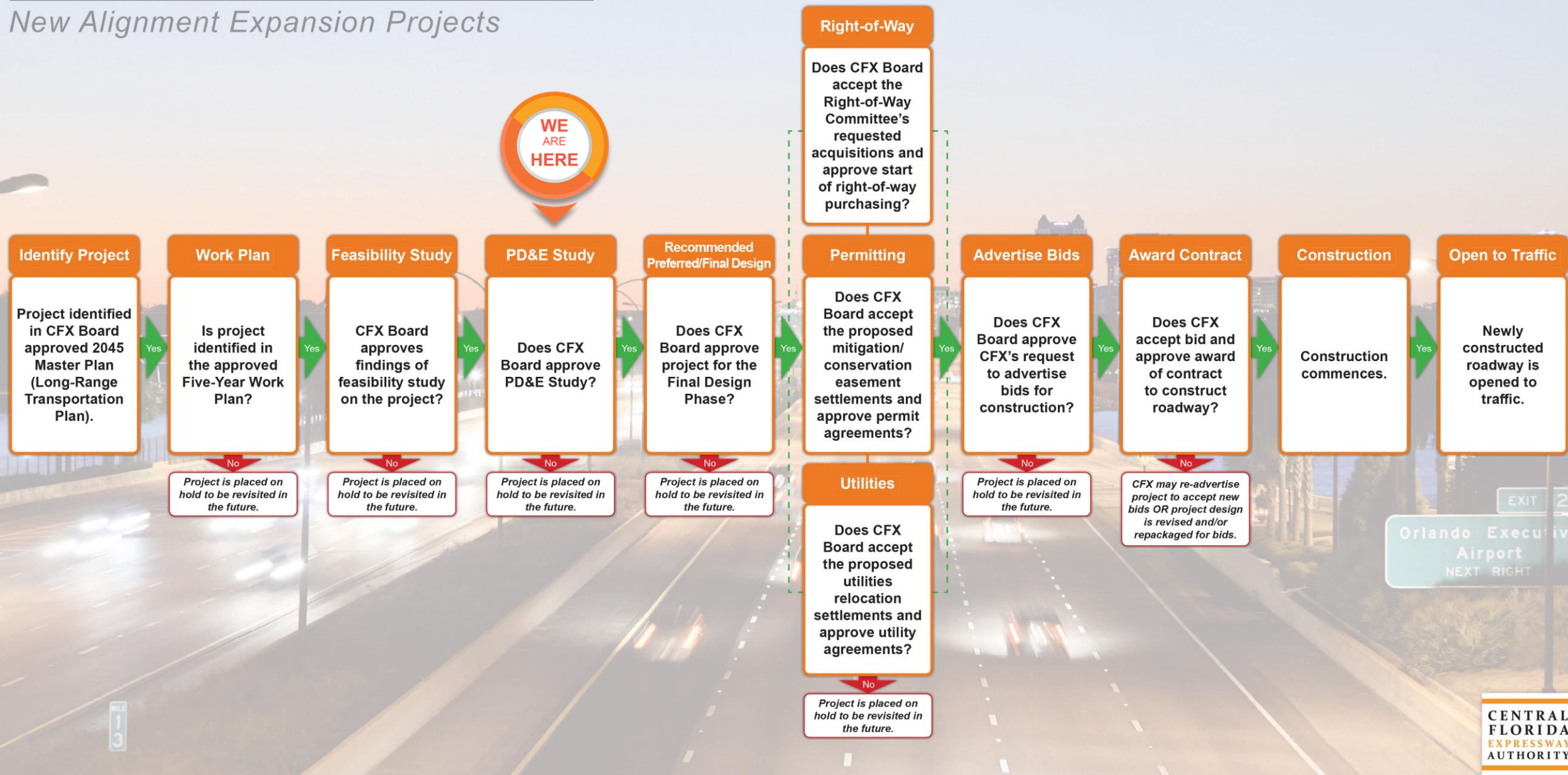
407-885-4743

ProjectStudies@CFXway.com

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

PROJECT DEVELOPMENT PROCESS

New Alignment Expansion Projects



Advisory Group Roles

Environmental (EAG)

- Comprised of members representing environmental/government agencies and community/advocacy groups
- Members are invited by CFX to join
- Natural environment analysis
- Special advisory resource
- Input on potential environmental impact of project alternatives
- Local knowledge, issues and concerns regarding environmental impacts

Project (PAG)

- Comprised of members representing government/transportation planning agencies and other key stakeholders
- Members are invited by CFX to join
- Mobility analysis
- Special advisory resource
- Input on project alternatives
- Local knowledge, issues and concerns

Advisory Group Roles

Community Engagement Group (CEG)

- Comprised of members representing large-scale communities, planned developments, school officials, emergency services, and civic organizations
- Members are invited by CFX to join
- Community effects analysis
- Special advisory resource
- Input on project alternatives
- Local knowledge, issues and concerns

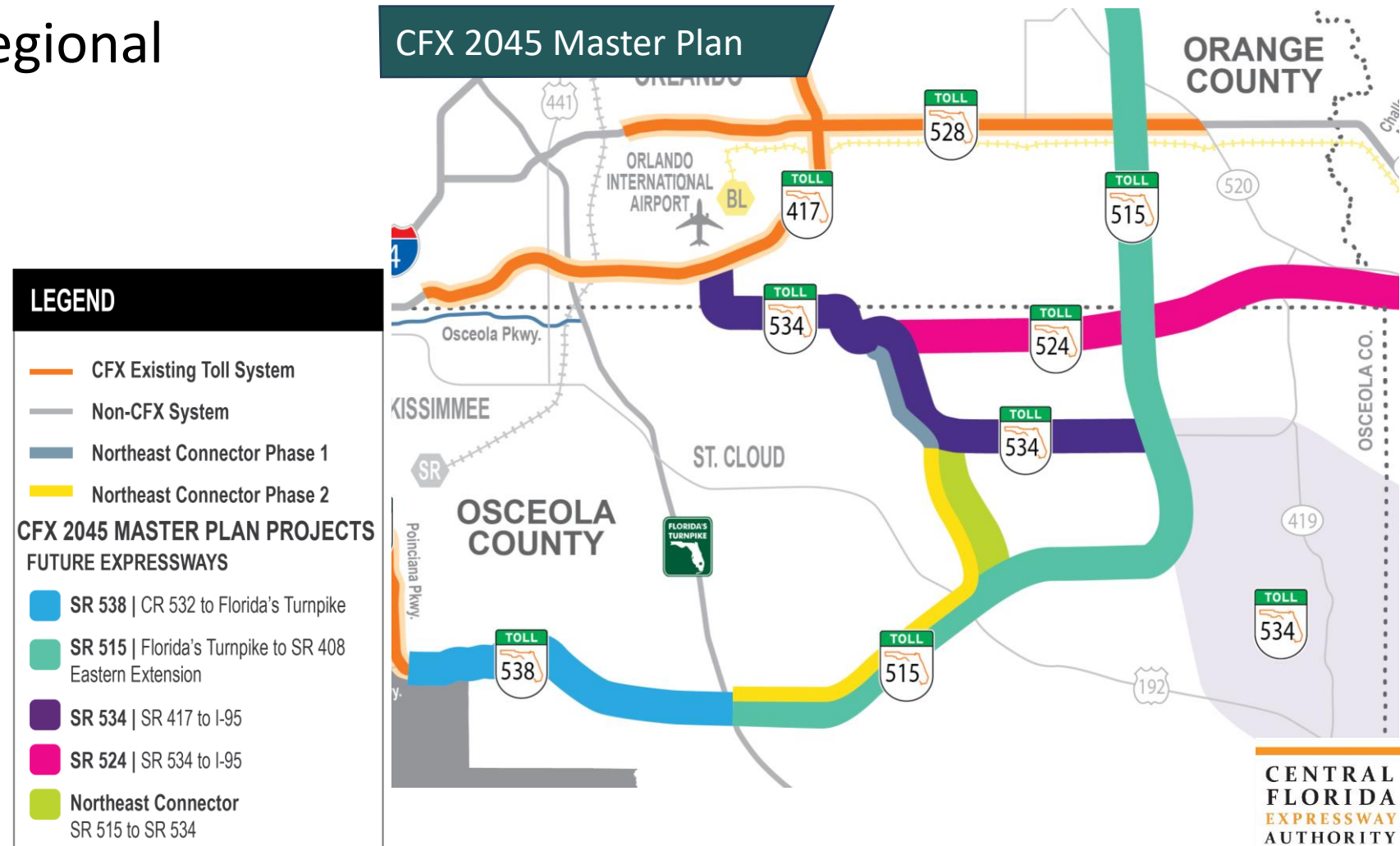


Background

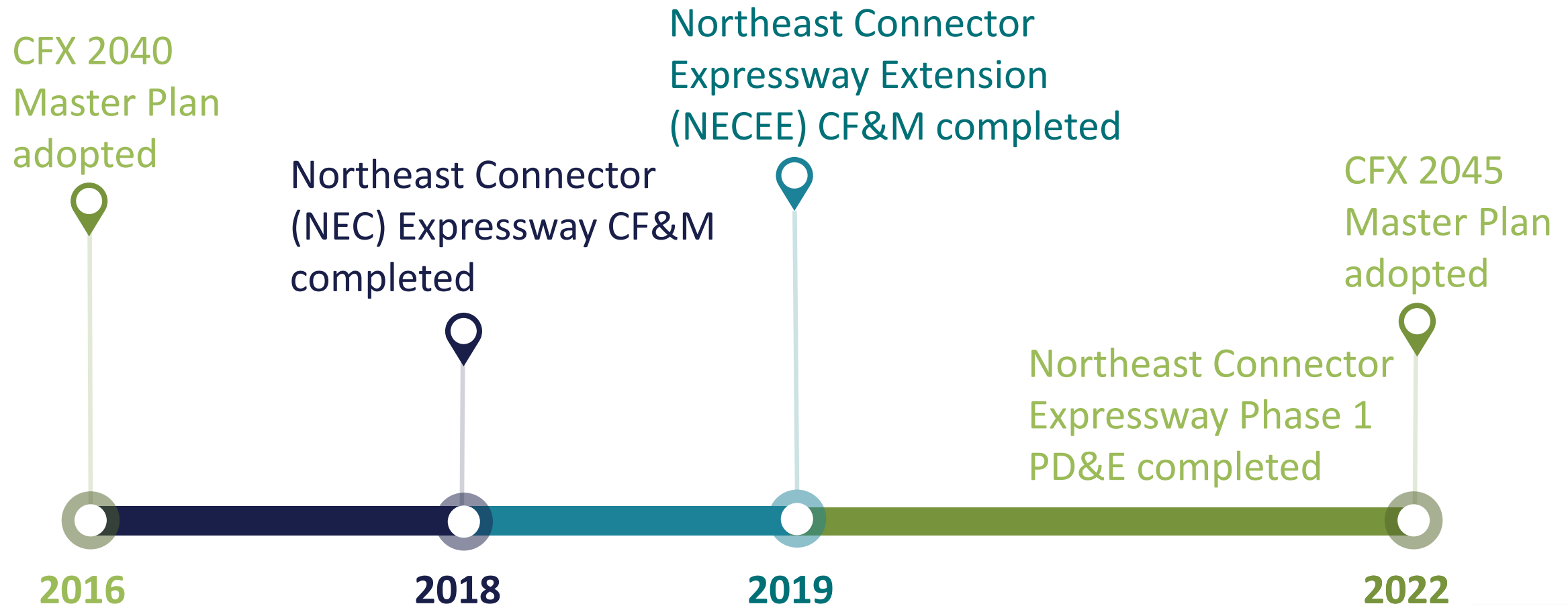
CFX 2045 Master Plan regional beltway includes SR 515

CFX system linkage:

- SR 538
(Southport Connector)
- Florida's Turnpike
- US 192
- SR 534



Project History

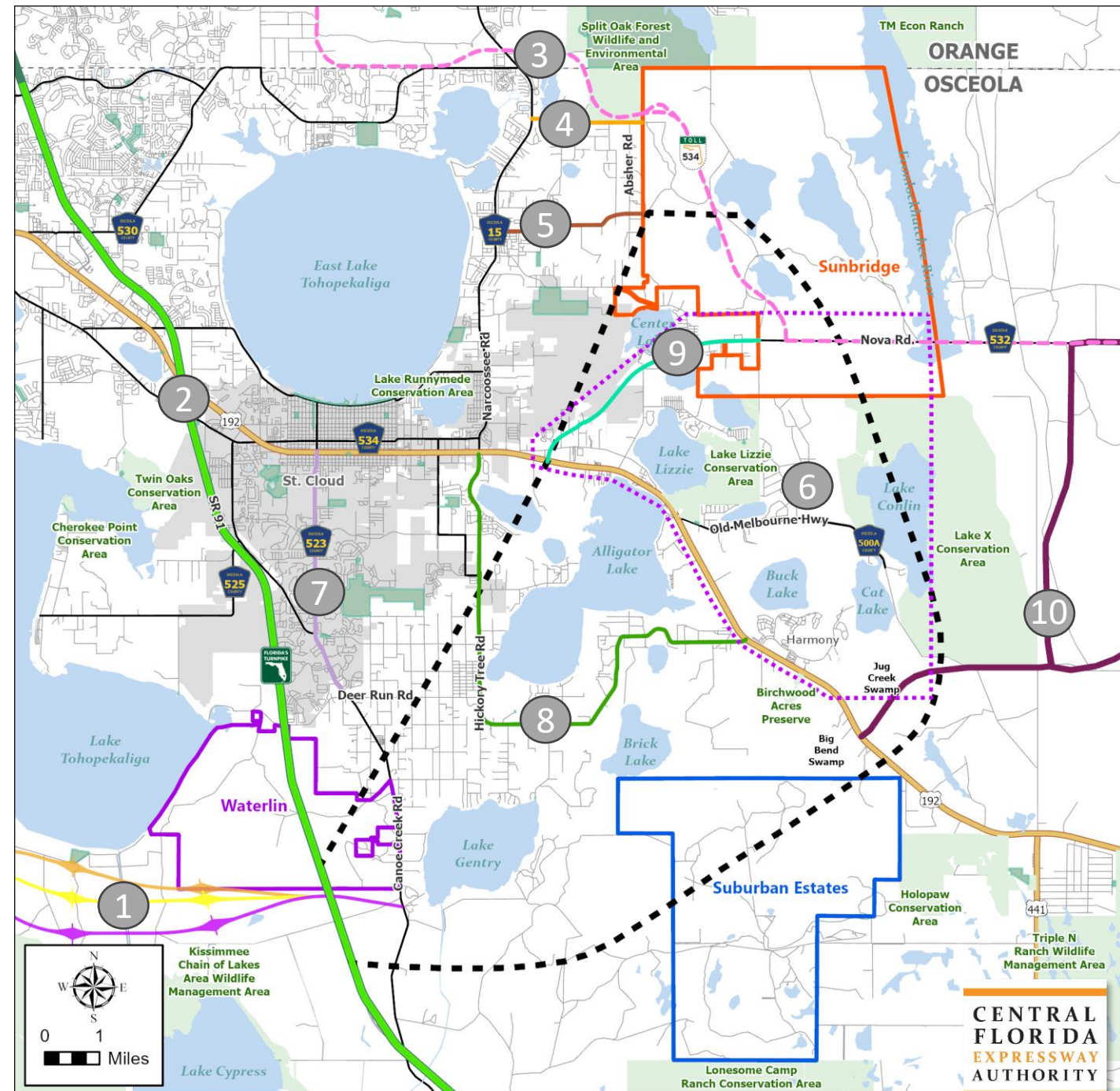


Full interchange at US 192



Related Projects

- ① Southport Connector Expressway
- ② Florida's Turnpike Widening
- ③ SR 534
- ④ Cyrils Drive Improvements
- ⑤ Jack Brack Road Improvements
- ⑥ Sunbridge Parkway Extension Study Area
- ⑦ Canoe Creek Road PD&E
- ⑧ Hickory Tree Road PD&E
- ⑨ Nova Road PD&E
- ⑩ Northeast Connector Expressway Extension (NECEE)



Purpose and Need

Osceola Transportation Southeast Area Transportation Study (SEATS):

- NEC needed by 2040

Population Growth:

- 3.6% recent annual growth
- Projected to increase by 37% by 2050

Planned Development:

- 12 Mixed-Use Districts
- 18 more Planned Developments

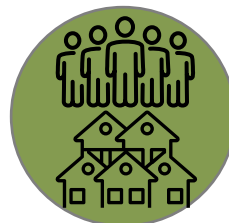
US 192 only existing east-west corridor



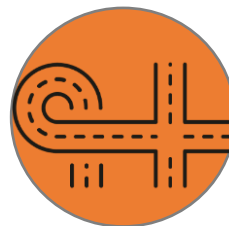
Provides System Linkage



Addresses Anticipated Future Traffic Needs

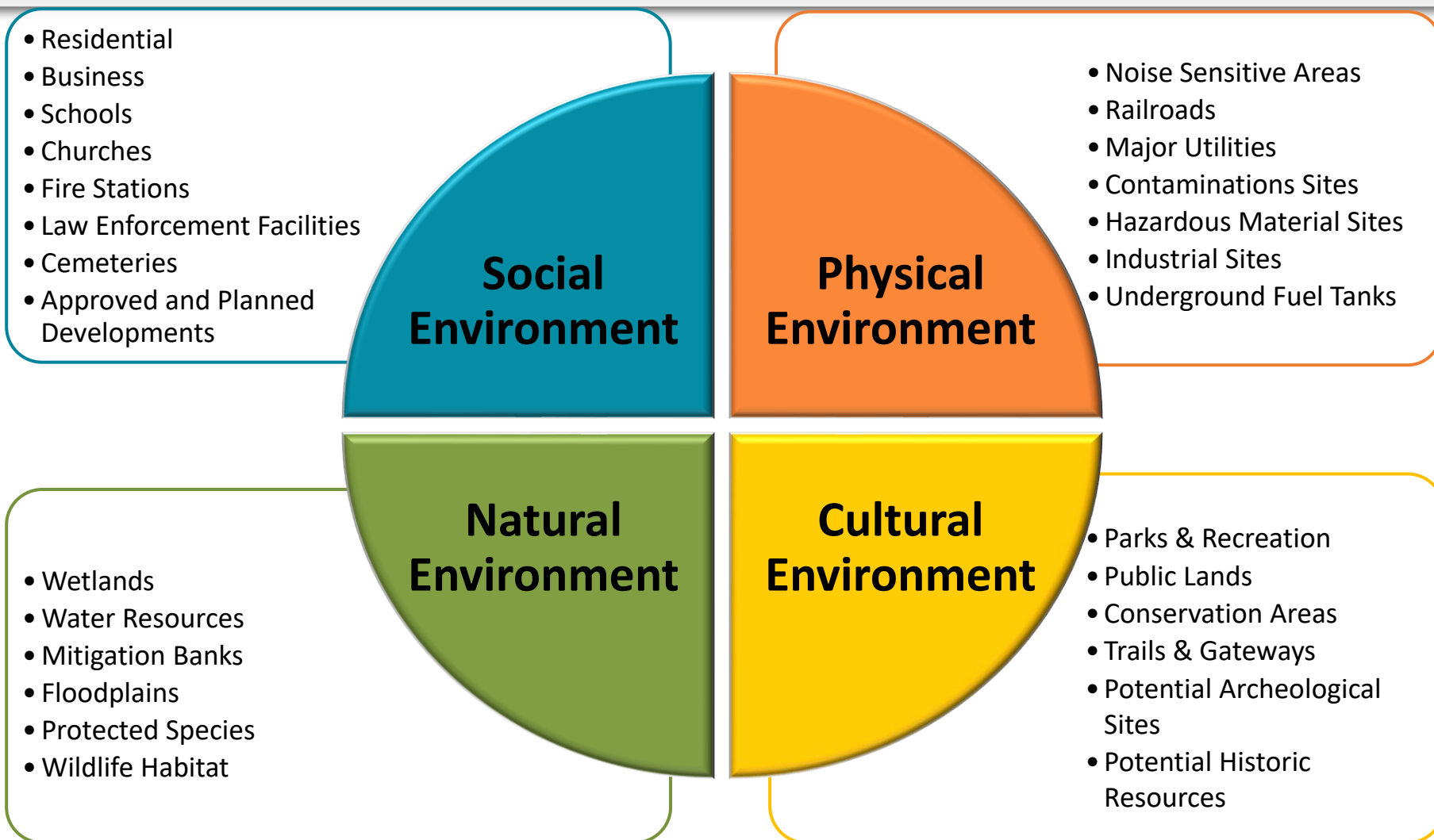


Supports Socioeconomic Growth and Planned Development

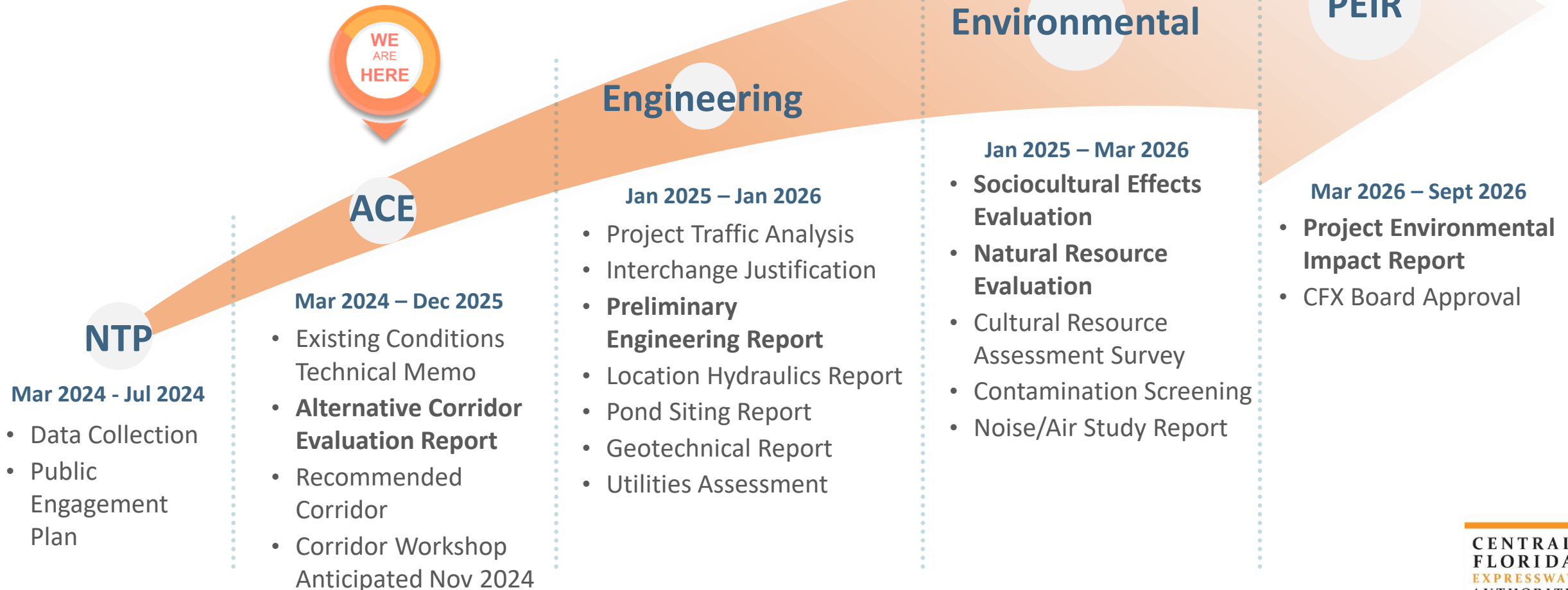


Provides Additional East-West Regional Connectivity

PD&E Evaluation Criteria



PD&E Process and Documentation



Sociocultural Constraints

- Weslyn Park
- Del Webb
- The Crossing
- Amelia Grove
- Pine Grove
- Trinity Place
- Ameratrail
- Pine Glen
- The Shores
- The Villages at Harmony Townhomes
- Bay Lake Farms
- Chandra
- Tumblesome
- The Villages at Harmony
- Harmony Tract L
- Harmony Central
- Galt's Landing
- Monterey
- Sandpiper
- Twin Lakes
- Harmony Industrial
- Harmony Towncenter Apartments
- Triple H Ranch
- Sol Community
- Marlow Apartments
- Hickory Village
- Buena Lago
- Deer Run Estates
- Story Estates
- Green Garden Reserve
- Story Bend Switching Station
- Lake Gentry Landings
- Canoe Creek (AKA Waterlin DRI)
- Canoe Creek Reserve

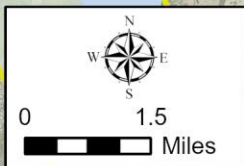
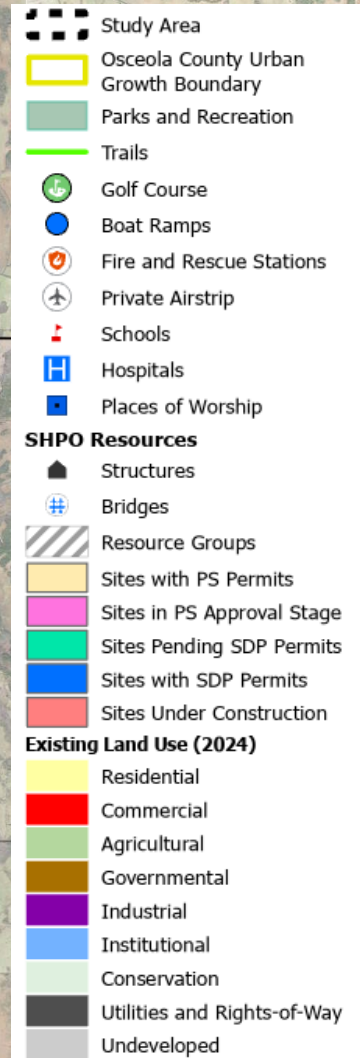
Legend:

- Study Area**: Black dashed line
- Osceola County Urban Growth Boundary**: Yellow outline
- Parks and Recreation**: Green areas
- Trails**: Green lines
- Golf Course**: Green circle with crosshair
- Boat Ramps**: Blue circle with crosshair
- Fire and Rescue Stations**: Red circle with crosshair
- Private Airstrip**: White circle with crosshair
- Schools**: Red square with crosshair
- Hospitals**: Blue square with crosshair
- Places of Worship**: Blue square with crosshair
- SHPO Resources**:
 - Structures**: Black house icon
 - Bridges**: Blue plus icon
- Resource Groups**:
 - Sites with PS Permits**: Orange box
 - Sites in PS Approval Stage**: Pink box
 - Sites Pending SDP Permits**: Light green box
 - Sites with SDP Permits**: Dark green box
 - Sites Under Construction**: Red box
- Existing Land Use (2024)**:
 - Residential**: Yellow
 - Commercial**: Red
 - Agricultural**: Light green
 - Governmental**: Brown
 - Industrial**: Purple
 - Institutional**: Blue
 - Conservation**: Dark green
 - Utilities and Rights-of-Way**: Grey
 - Undeveloped**: Light grey

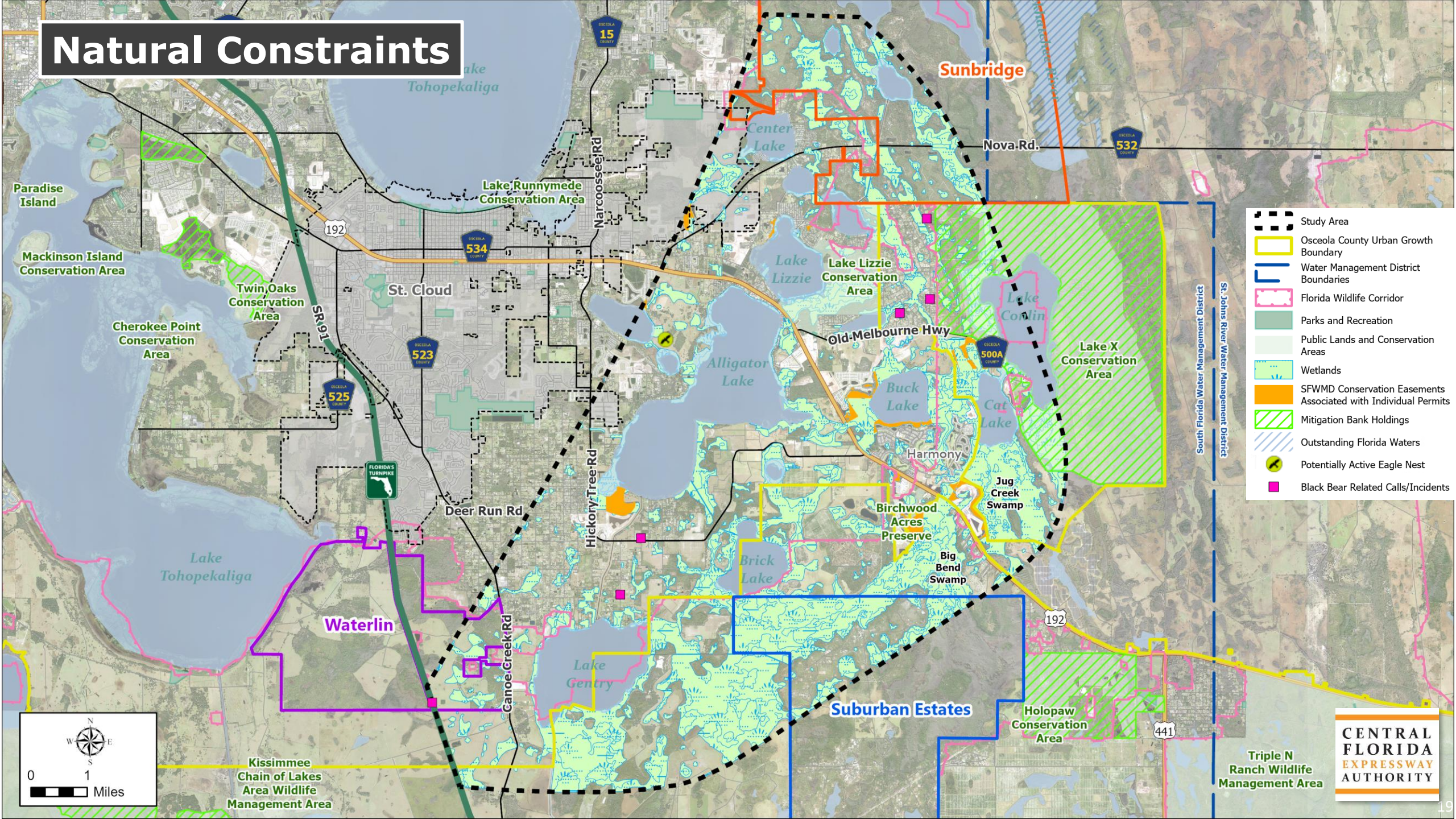
Scale: 0 to 1.5 Miles

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

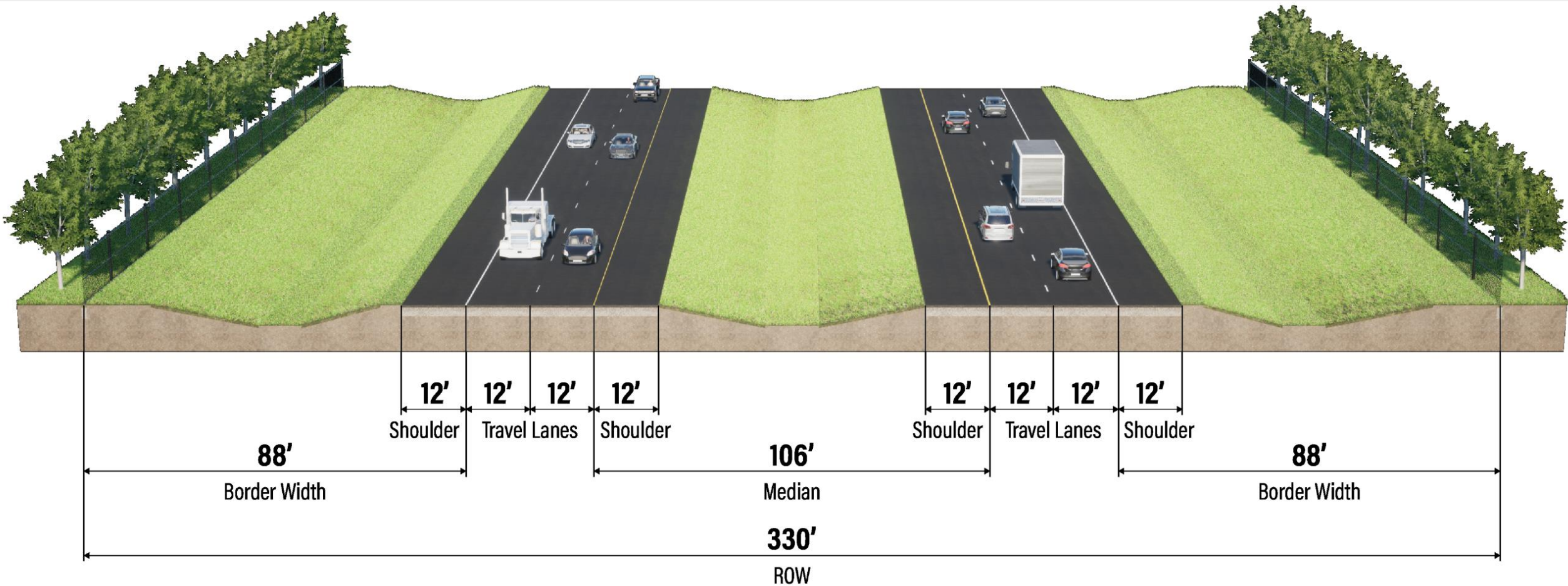
1. Wesley Park
2. Del Webb
3. The Crossing
4. Amelia Grove
5. Pine Grove
6. Trinity Place
7. Ameratrail
8. Pine Glen
9. The Shores
10. The Villages at Harmony Townhomes
11. Bay Lake Farms
12. Chandra
13. Tumblesome
14. The Villages at Harmony
15. Harmony Tract L
16. Harmony Central
17. Galt's Landing
18. Monterey
19. Sandpiper
20. Twin Lakes
21. Harmony Industrial
22. Harmony Towncenter Apartments
23. Triple H Ranch
24. Sol Community
25. Marlow Apartments
26. Hickory Village
27. Buena Lago
28. Deer Run Estates
29. Story Estates
30. Green Garden Reserve
31. Story Bend Switching Station
32. Lake Gentry Landings
33. Canoe Creek (AKA Waterlin DRI)
34. Canoe Creek Reserve



Natural Constraints



Mainline Typical Section



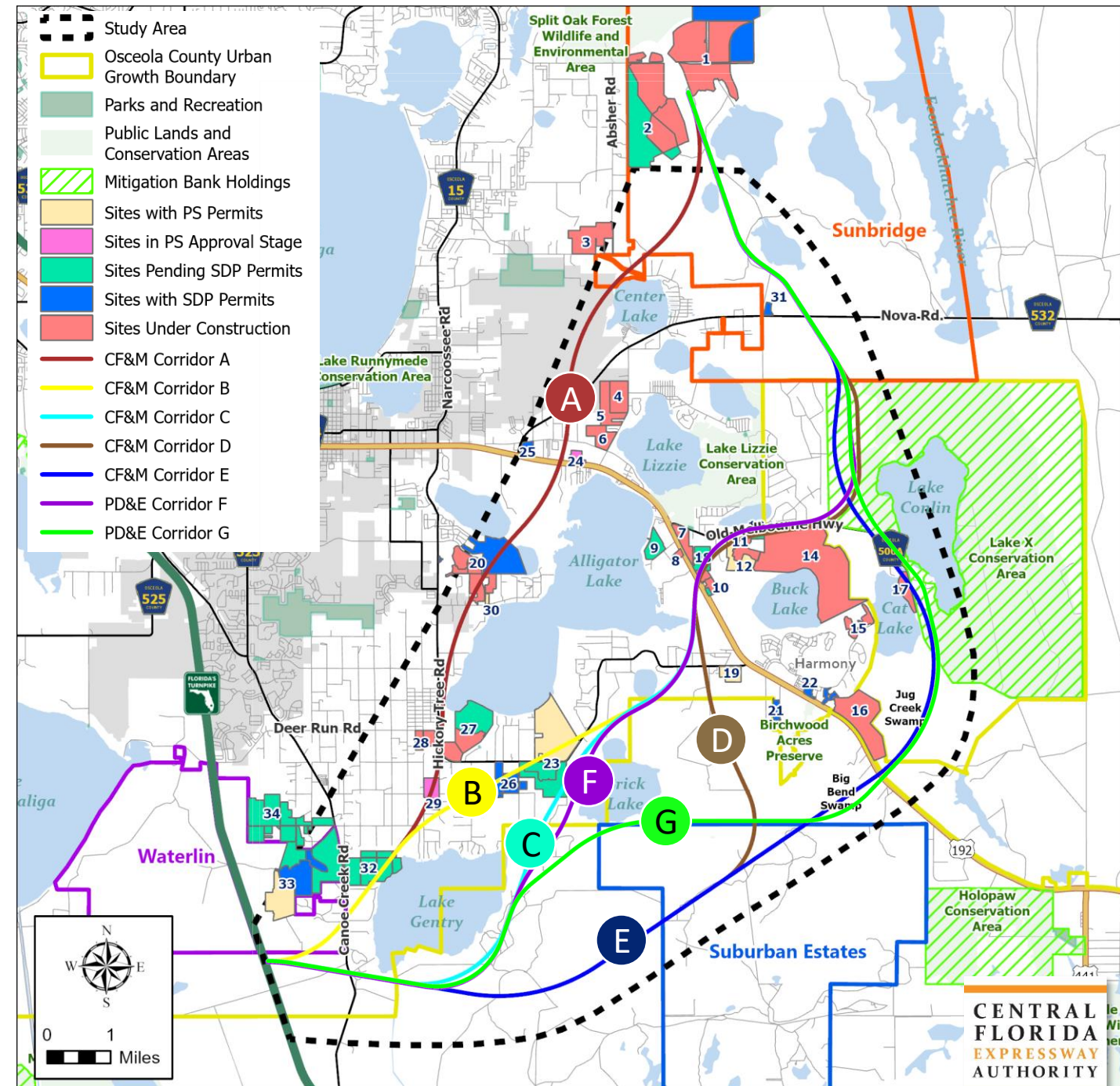
PD&E Corridors

Five CF&M corridors

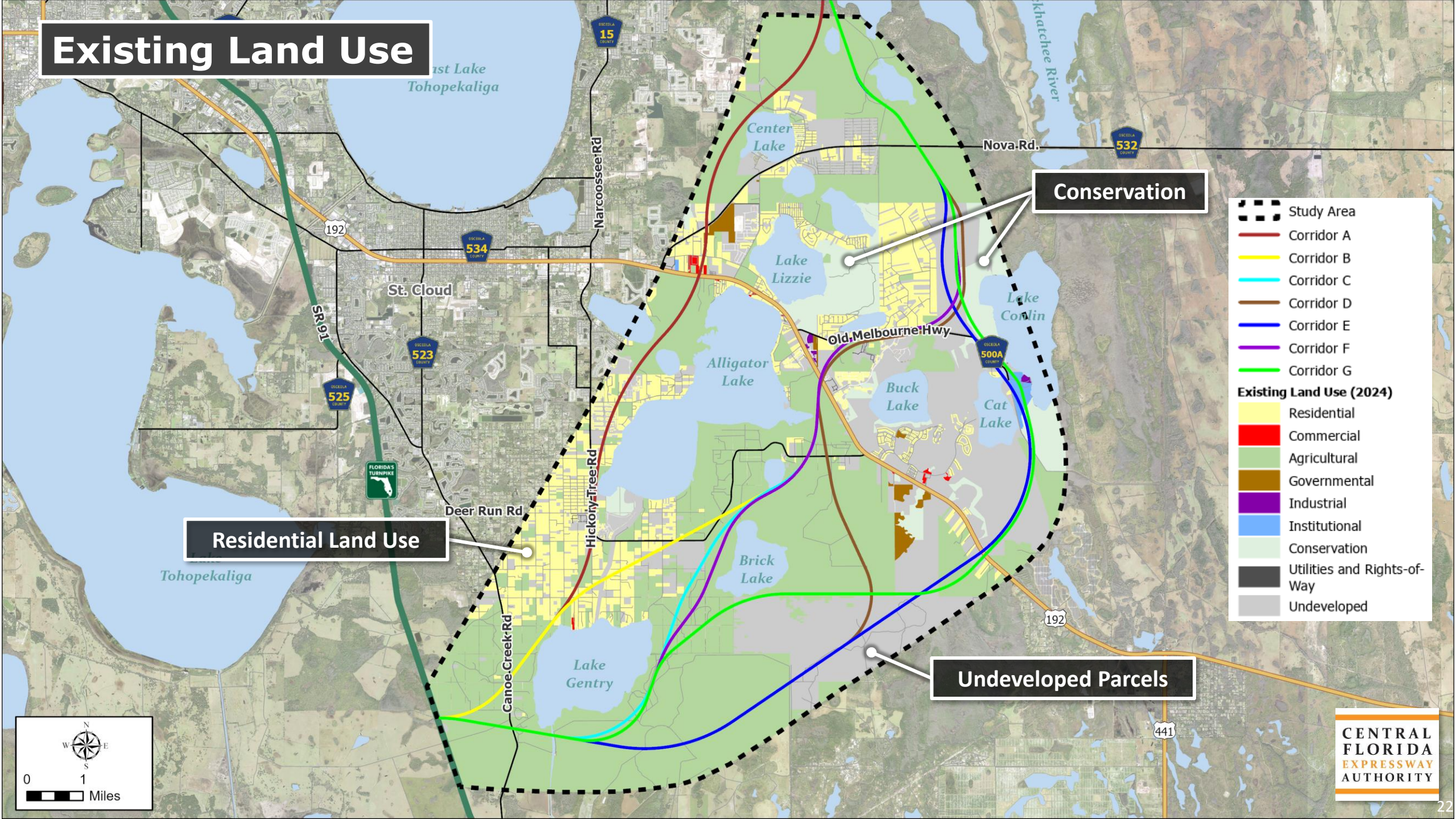
Two additional corridors

- Corridor F minimizes impacts to planned residential development
- Corridor G minimizes impacts to Suburban estates and residential area west of Old Melbourne Highway

7 corridors analyzed



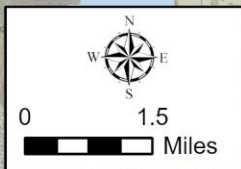
Existing Land Use



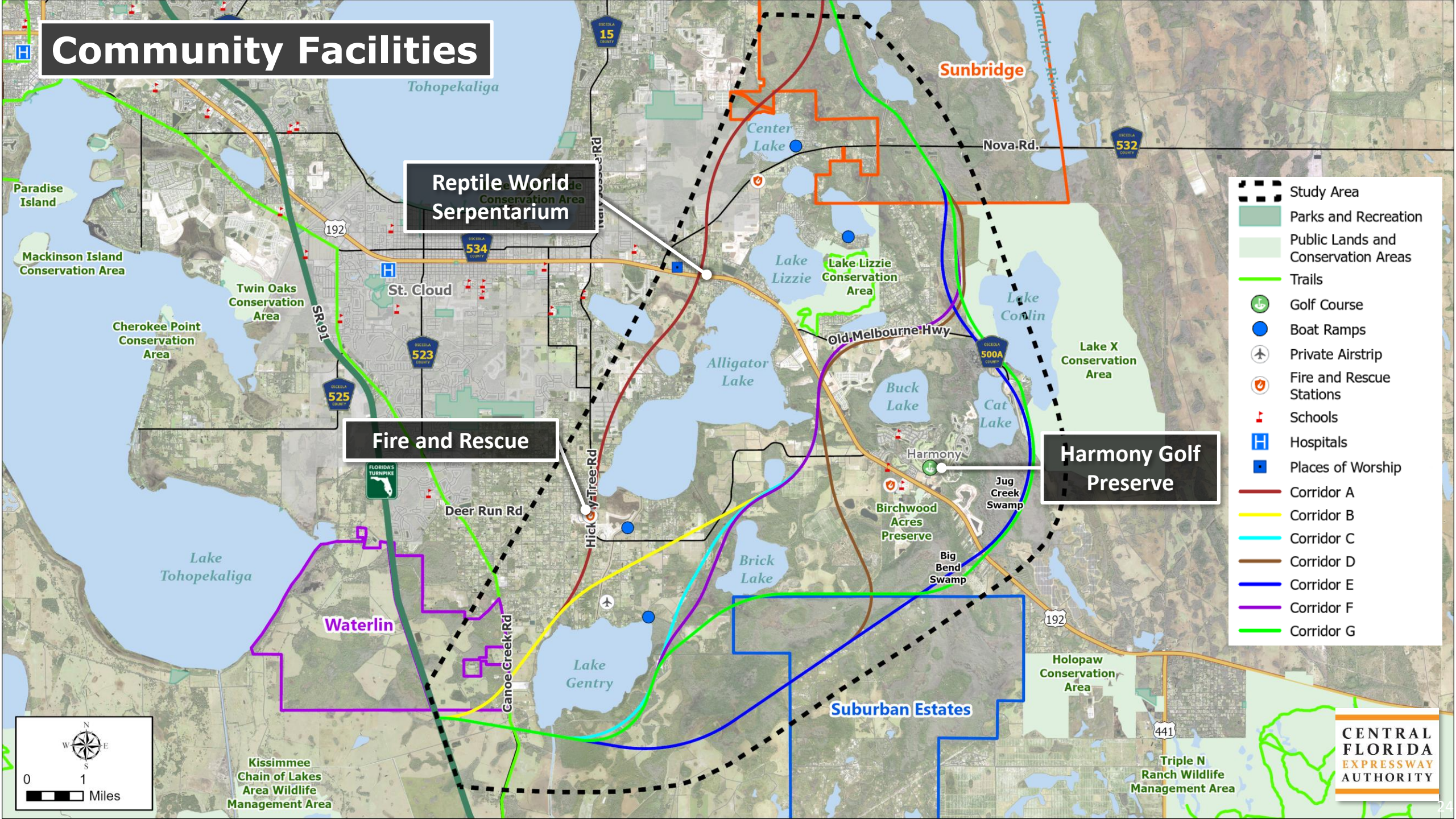
Planned Developments

1. Weslyn Park
2. Del Webb
3. The Crossing
4. Amelia Grove
5. Pine Grove
6. Trinity Place
7. Ameratrail
8. Pine Glen
9. The Shores
10. The Villages at Harmony Townhomes
11. Bay Lake Farms
12. Chandra
13. Tumblesome
14. The Villages at Harmony
15. Harmony Tract L
16. Harmony Central
17. Galt's Landing
18. Monterey
19. Sandpiper
20. Twin Lakes
21. Harmony Industrial
22. Harmony Towncenter Apartments
23. Triple H Ranch
24. Sol Community
25. Marlow Apartments
26. Hickory Village
27. Buena Lago
28. Deer Run Estates
29. Story Estates
30. Green Garden Reserve
31. Story Bend Switching Station
32. Lake Gentry Landings
33. Canoe Creek (AKA Waterlin DRI)
34. Canoe Creek Reserve

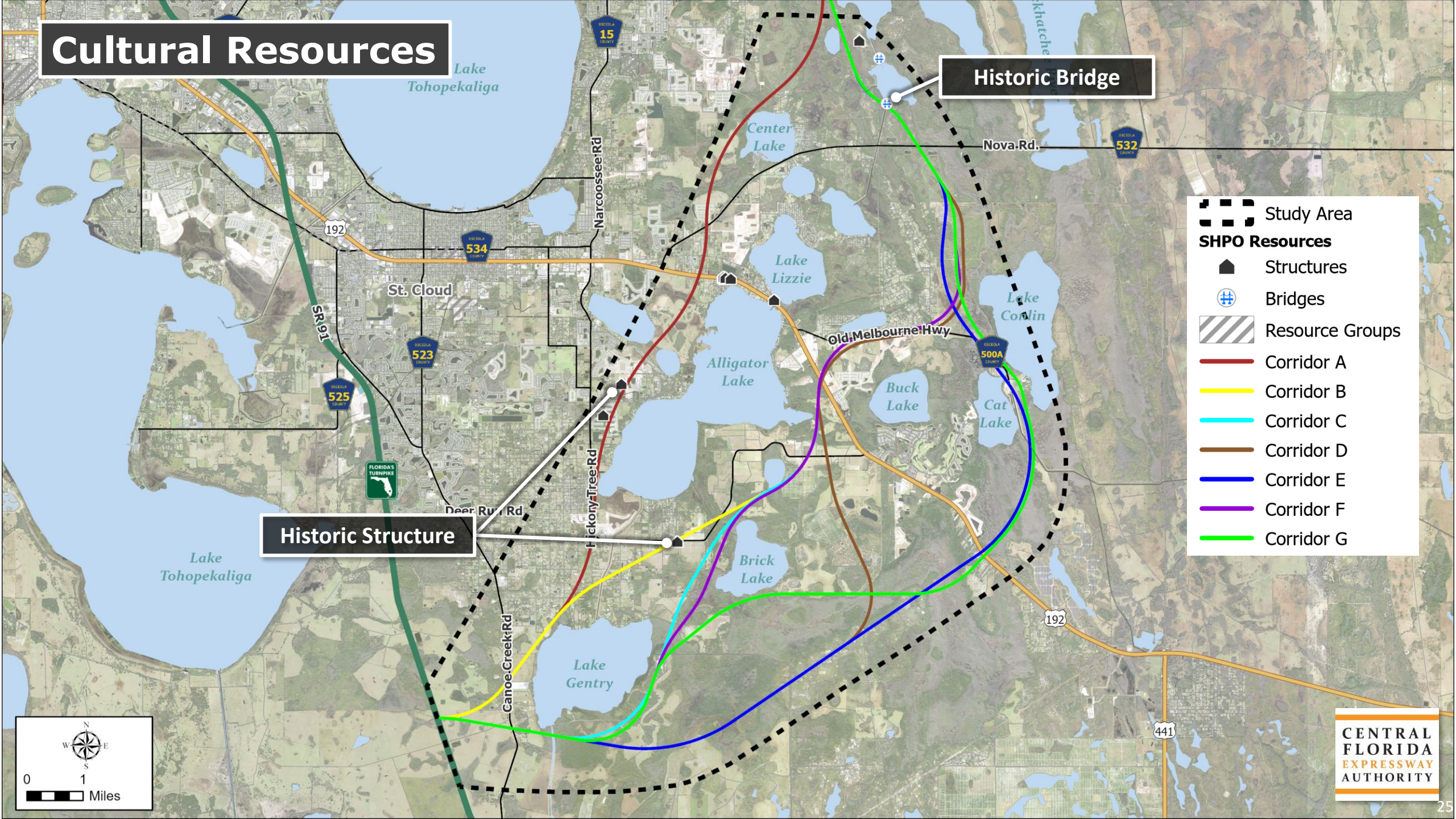
- Study Area
- Sites with PS Permits
- Sites in PS Approval Stage
- Sites Pending SDP Permits
- Sites with SDP Permits
- Sites Under Construction
- Corridor A
- Corridor B
- Corridor C
- Corridor D
- Corridor E
- Corridor F
- Corridor G



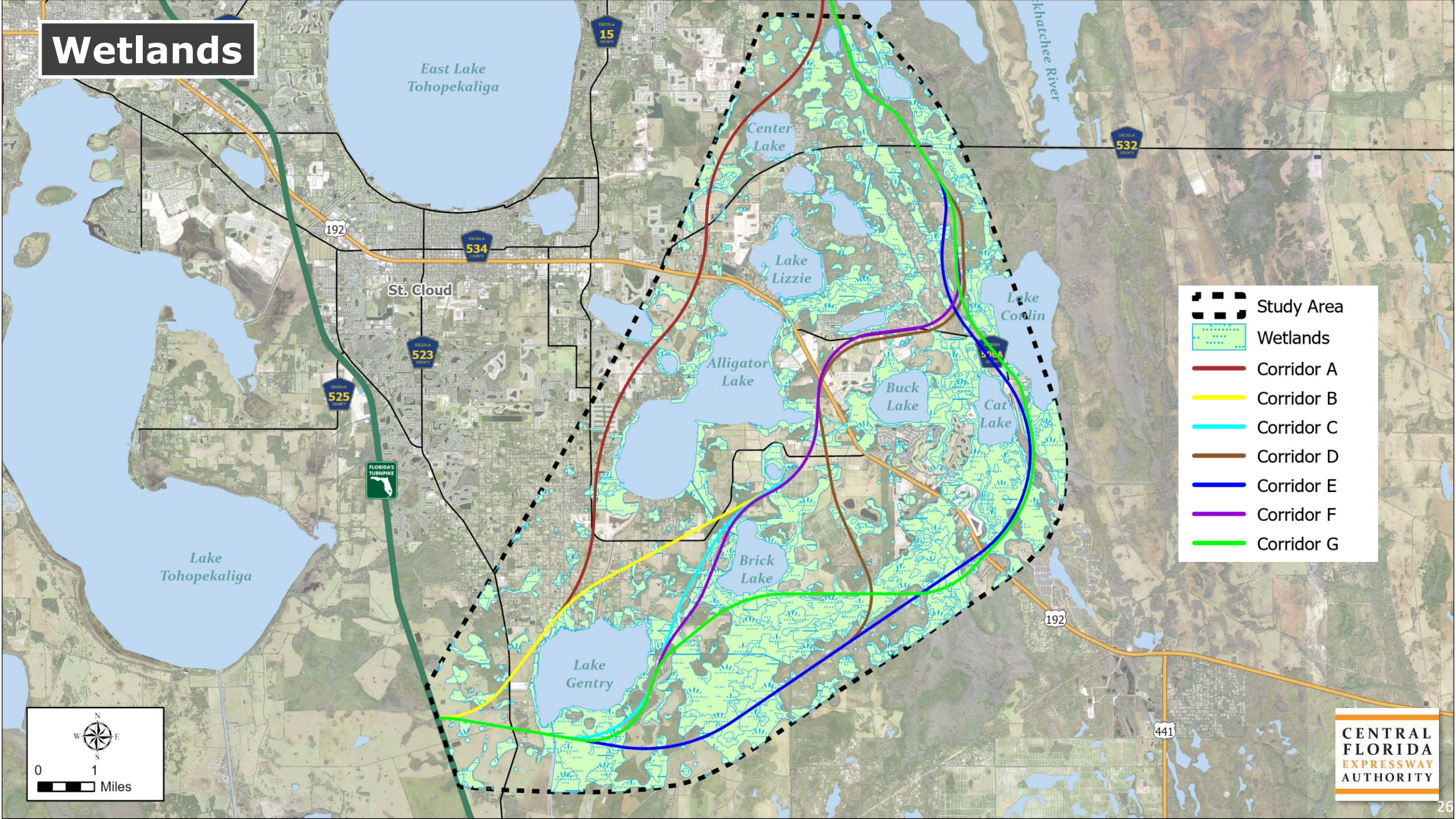
Community Facilities



Cultural Resources



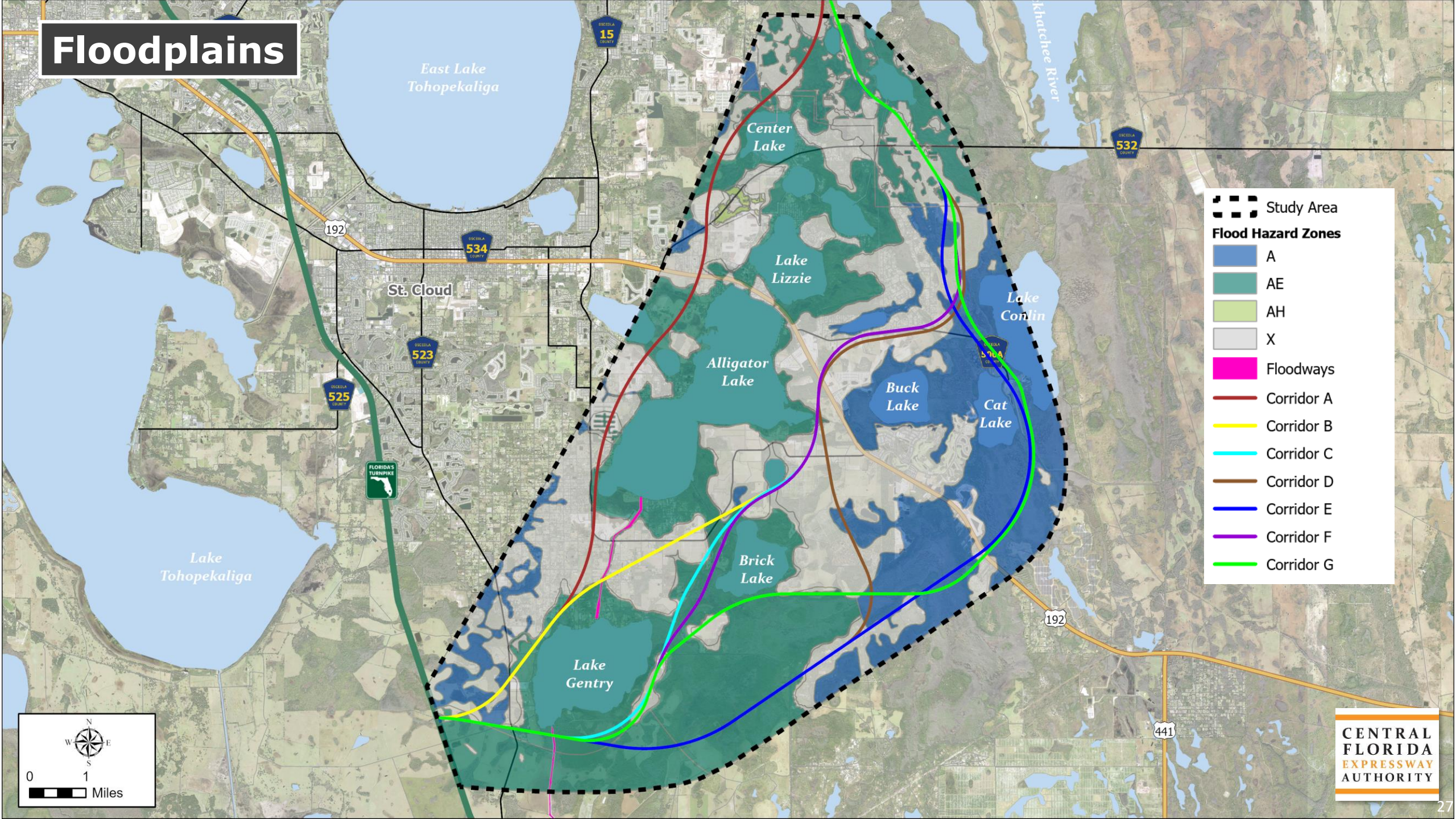
Wetlands



- Study Area
- Wetlands
- Corridor A
- Corridor B
- Corridor C
- Corridor D
- Corridor E
- Corridor F
- Corridor G

0 1 Miles

Floodplains



Study Area

Flood Hazard Zones

- A
- AE
- AH
- X

Floodways

Corridor A

Corridor B

Corridor C

Corridor D

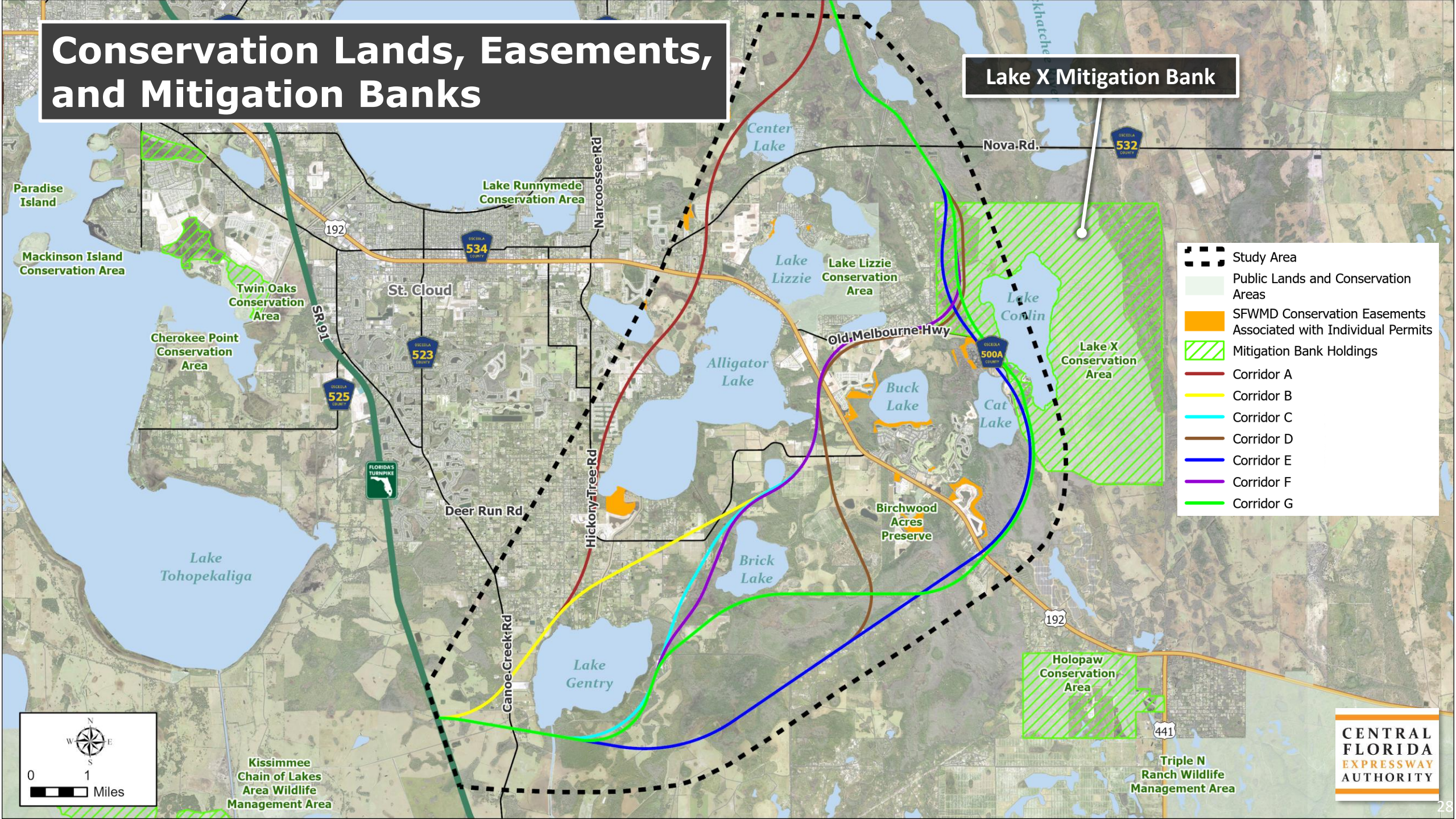
Corridor E

Corridor F

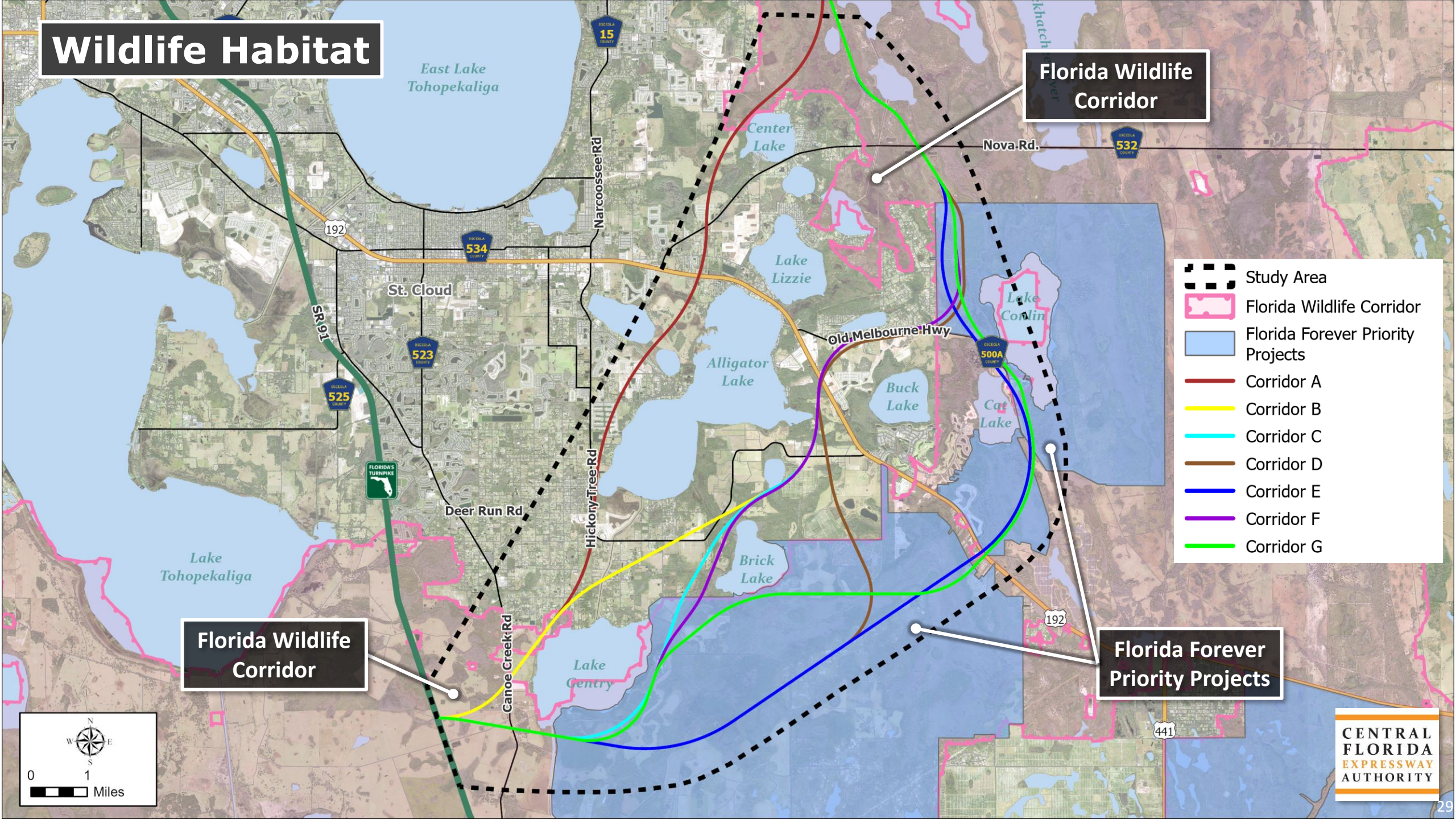
Corridor G

0 1 Miles

Conservation Lands, Easements, and Mitigation Banks



Wildlife Habitat

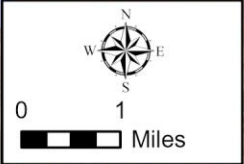


Florida Wildlife Corridor

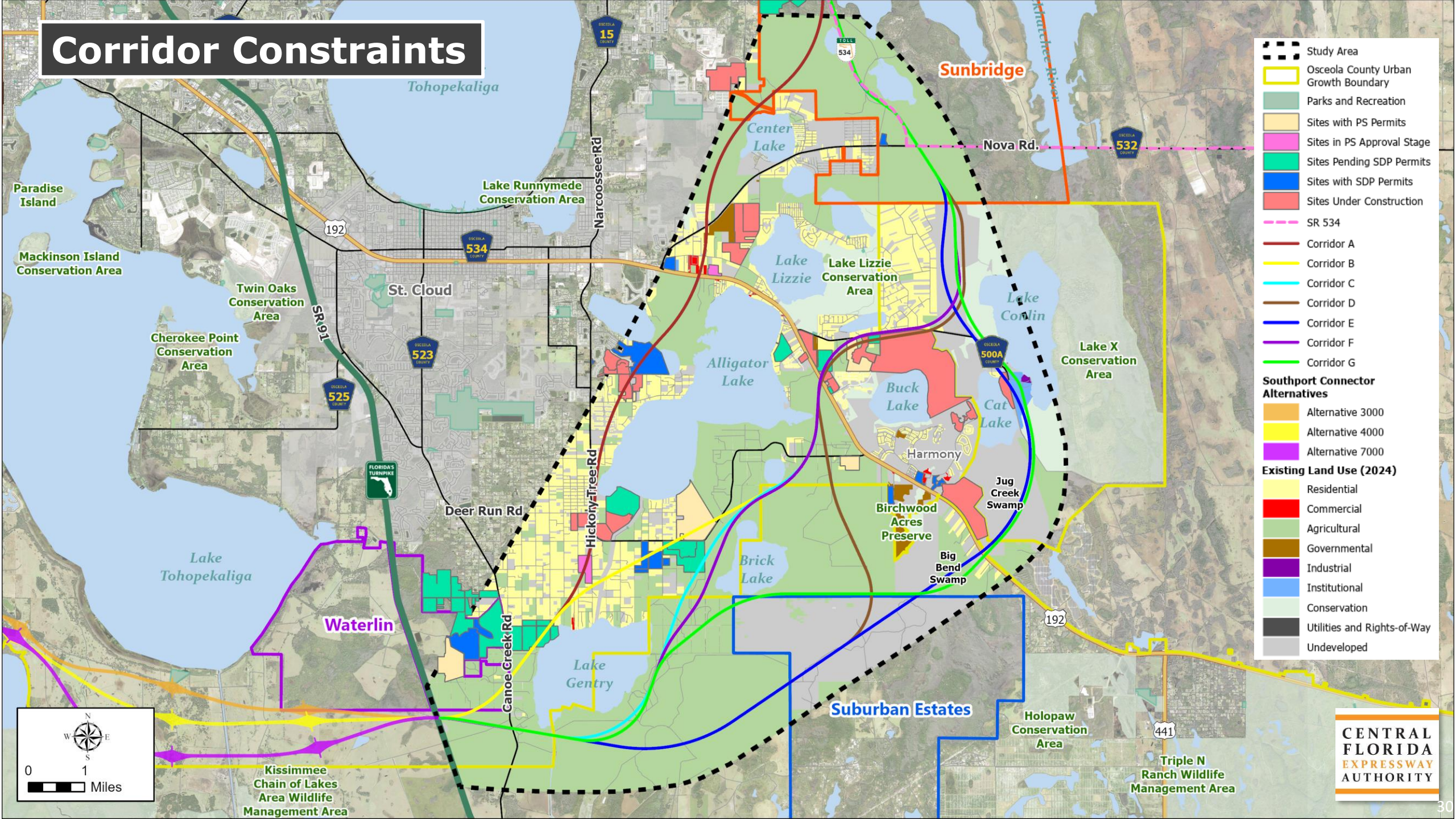
- Study Area
- Florida Wildlife Corridor
- Florida Forever Priority Projects
- Corridor A
- Corridor B
- Corridor C
- Corridor D
- Corridor E
- Corridor F
- Corridor G

Florida Wildlife Corridor

Florida Forever Priority Projects



Corridor Constraints

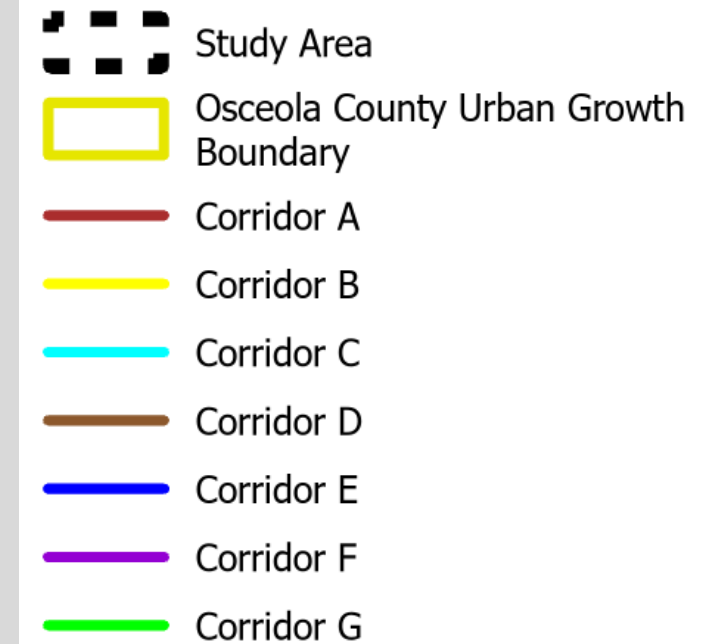
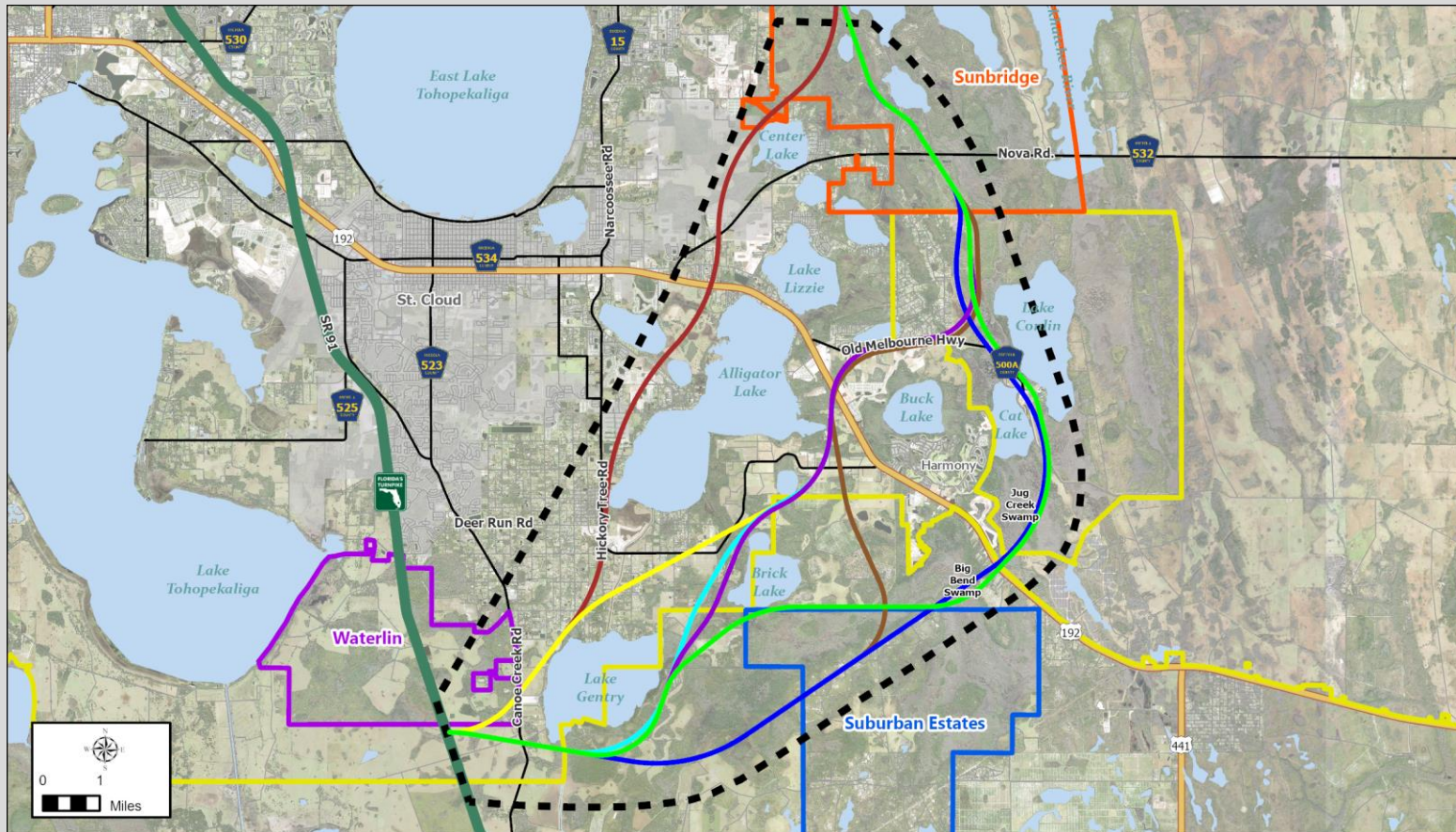


Tier 1 Corridor Evaluation Matrix

Evaluation Criteria		Unit of Measure	Corridor A	Corridor B	Corridor C	Corridor D	Corridor E	Corridor F	Corridor G
Design									
Corridor Length (approximate)		Miles	16	20	21	23	23	21	23
Proposed Right-of-Way / Width		Feet	330	330	330	330	330	330	330
Proposed Right-of-Way (approximate)		Acres	645	788	830	916	913	829	931
Physical									
Major Utility Conflicts		No. of Conflicts	6	6	4	4	3	3	3
Contamination Sites (Medium and High Risk Sites)		No. of Conflicts	4	2	1	1	0	0	0
Cultural Environment Effects									
Public Recreation Lands		Acres	0	0	0	0	0	0	0
Potential Historic Resources		No. of Conflicts	0	2	1	1	1	1	1
Potential Historic Linear Resources (Canals/Highways/Railroads)		No. of Resources	1	3	3	3	3	3	3
Potential Archaeological Resources		No. of Resources	1	3	3	3	3	3	3
Natural Environment									
Floodplain Involvement - 100 Year Floodplain		Acres	282	223	304	385	603	315	573
Canals / Regulated Floodways		No. of Conflicts	0	3	3	2	2	3	2
Wetlands (non-forested and forested)		Acres	98	136	198	274	315	196	344
Potential Species Involvement (Federal and State Listed Species) ¹		Low/Medium/High	Low	Low	Medium	Medium	High	High	High
Conservation Lands ²		Acres	0	20	20	20	24	4	80
Regulatory Conservation Easements		Acres	3	0	0	0	2	0	0
Florida Wildlife Corridor		Acres	249	406	543	703	892	544	917
Florida Forever Priority Projects ³		Acres	0	77	228	388	531	247	529
Social									
Potential Residential Parcels Affected (includes partially impacted parcels)	Existing	Total Parcels	227	32	4	3	1	51	0
	Planned	Total Parcels	92	166	160	159	10	56	0
Potential Non-Residential Parcels Affected (includes partially impacted parcels)	Existing	Total Parcels	26	8	2	4	23	4	15
	Planned	Total Parcels	6	4	6	4	2	4	2
Community Facilities		No. of Conflicts	1	0	0	0	0	0	0
Agricultural Lands		Acres	412	508	632	605	463	634	537
Suburban Estates Impacts (approximate)		Acres	0	0	0	148	138	0	62
Estimated Cost									
Preliminary Construction Cost Estimate (based on cost per mile)		Currency (in millions)	\$548	\$612	\$616	\$702	\$690	\$593	\$653

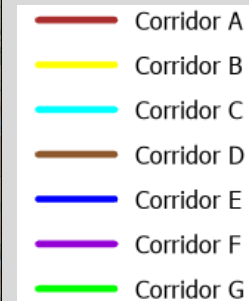
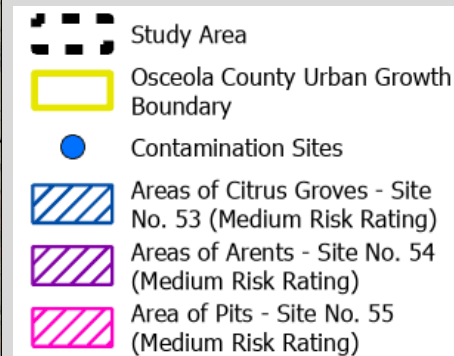
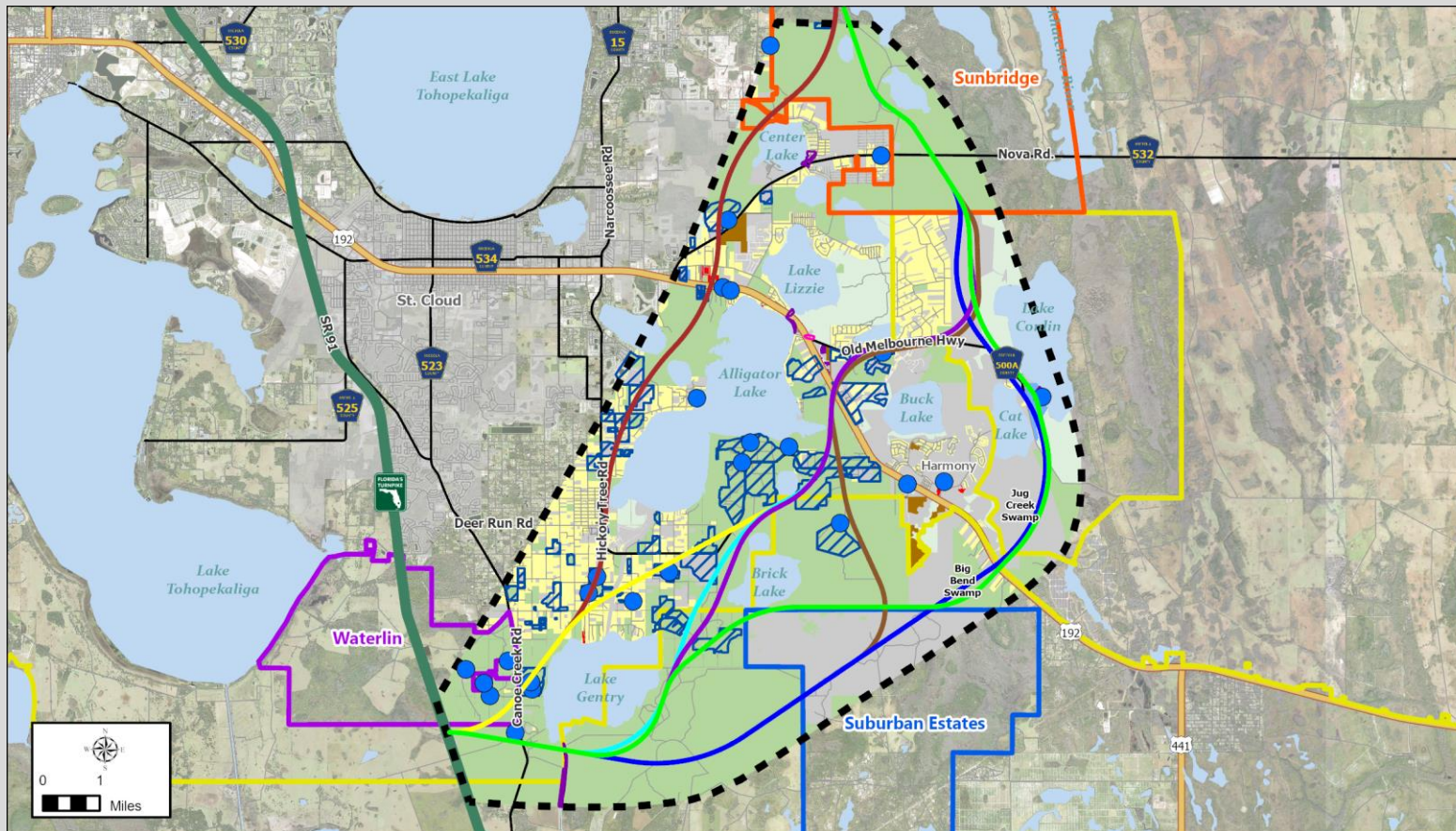
Tier 1 Corridor Evaluation

Evaluation Criteria	Unit	A	B	C	D	E	F	G
Corridor Length (approximate)	Miles	16	20	21	23	23	21	23
Proposed Right-of-Way / Width	Feet	330	330	330	330	330	330	330
Proposed Right-of-Way (approximate)	Acres	645	788	830	916	913	829	931



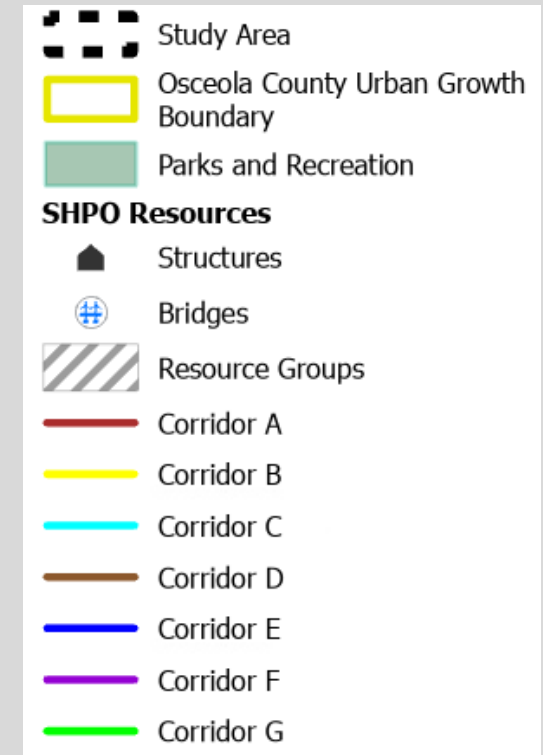
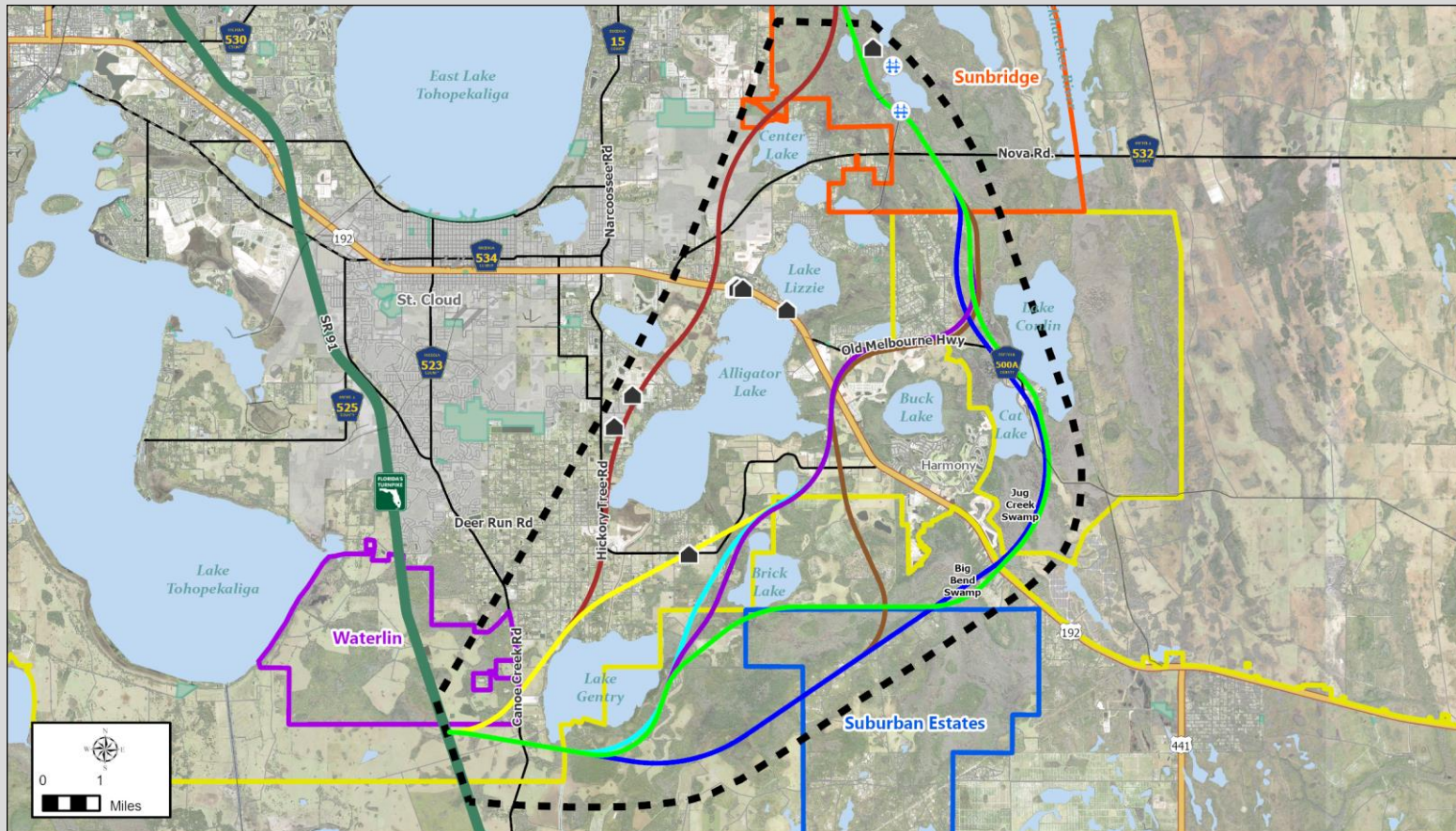
Tier 1 Corridor Evaluation

Evaluation Criteria	Unit	A	B	C	D	E	F	G
Major Utility Conflicts	No. of Conflicts	6	6	4	4	3	3	3
Contamination Sites (Medium and High-Risk Sites)	No. of Conflicts	4	2	1	1	0	0	0



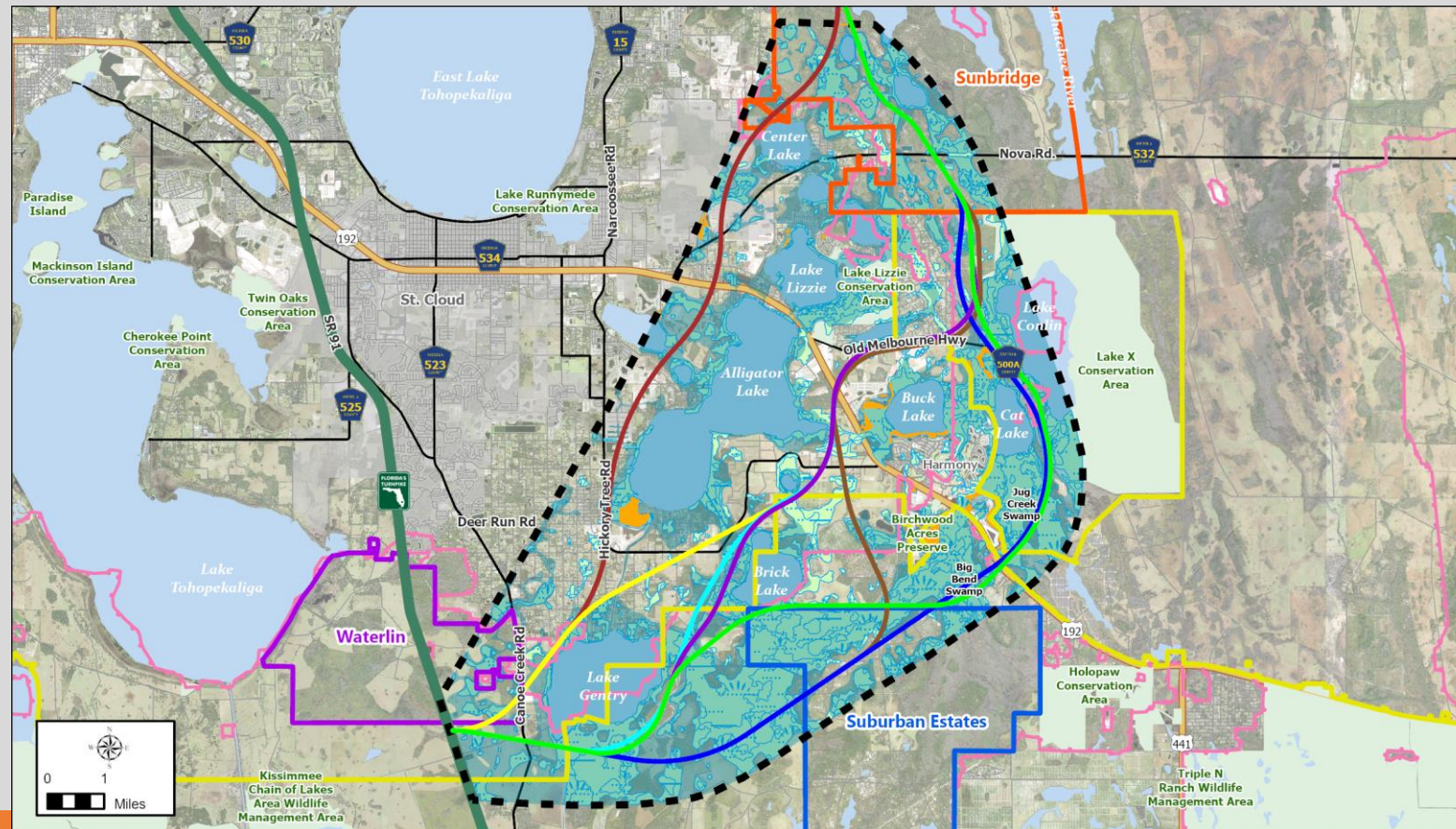
Tier 1 Corridor Evaluation

Evaluation Criteria	Unit	A	B	C	D	E	F	G
Public Recreation Lands	Acres	0	0	0	0	0	0	0
Potential Historic Resources	No. of Conflicts	0	2	1	1	1	1	1
Potential Historic Linear Resources (Canals/Highways/Railroads)	No. of Resources	1	3	3	3	3	3	3
Potential Archaeological Resources	No. of Resources	1	3	3	3	3	3	3



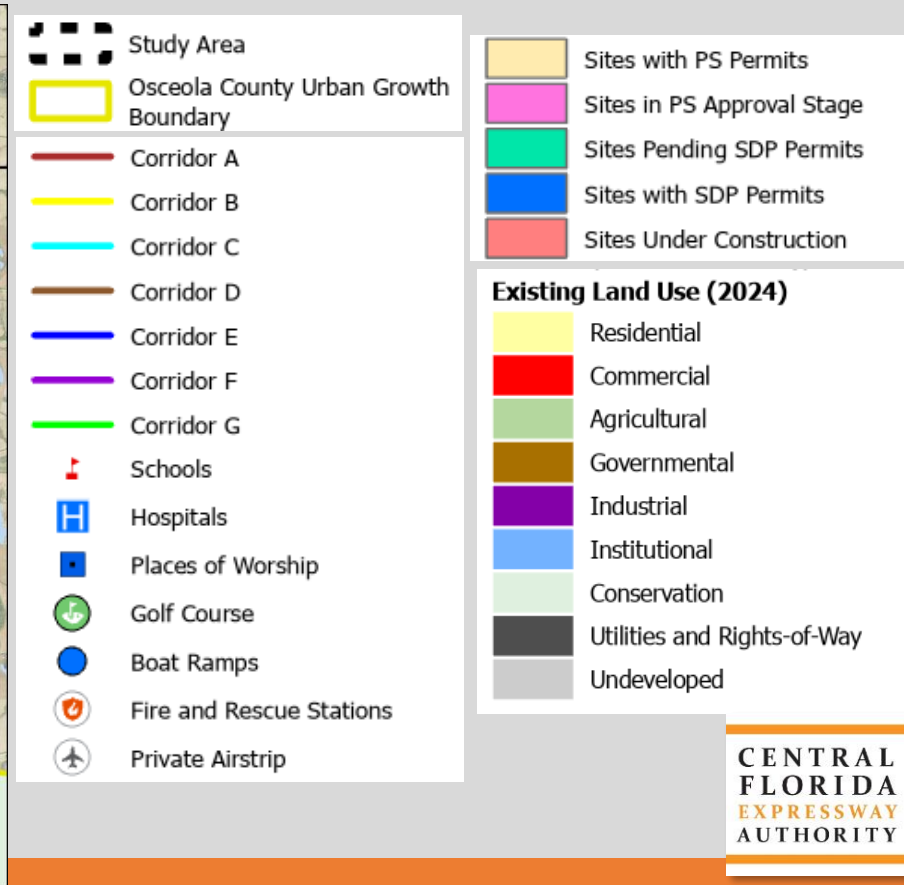
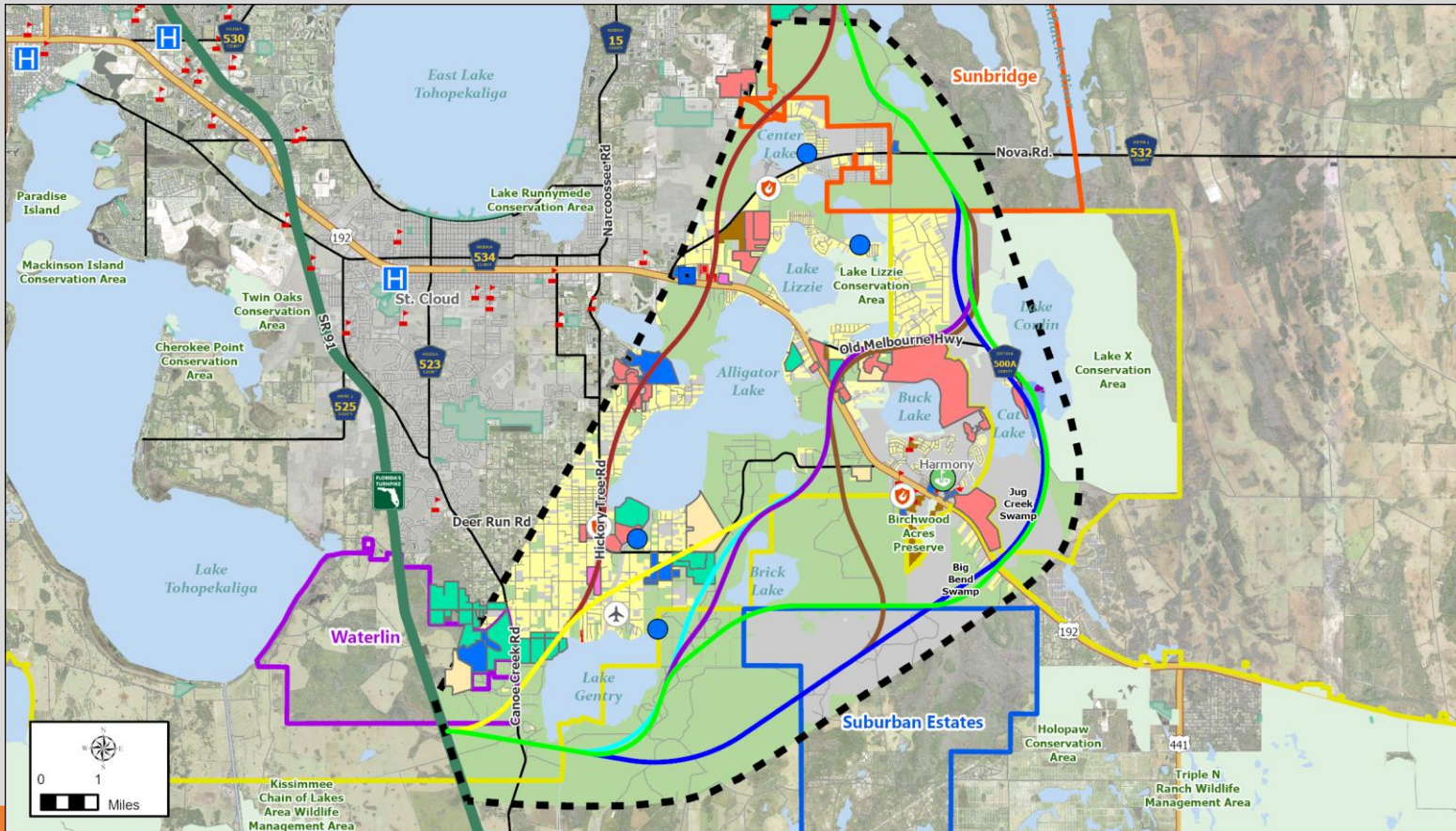
Tier 1 Corridor Evaluation

Evaluation Criteria	Unit	A	B	C	D	E	F	G
Floodplain Involvement - 100 Year Floodplain	Acres	282	223	304	385	603	315	573
Canals / Regulated Floodways	No. of Conflicts	0	3	3	2	2	3	2
Wetlands (non-forested and forested)	Acres	98	136	198	274	315	196	344
Potential Species Involvement (Federal and State Listed Species)	Low/Medium/High	Low	Low	Medium	Medium	High	High	High
Conservation Lands	Acres	0	20	20	20	24	4	80
Regulatory Conservation Easements	Acres	3	0	0	0	2	0	0
Florida Wildlife Corridor	Acres	249	406	543	703	892	544	917
Florida Forever Priority Projects	Acres	0	77	228	388	531	247	529

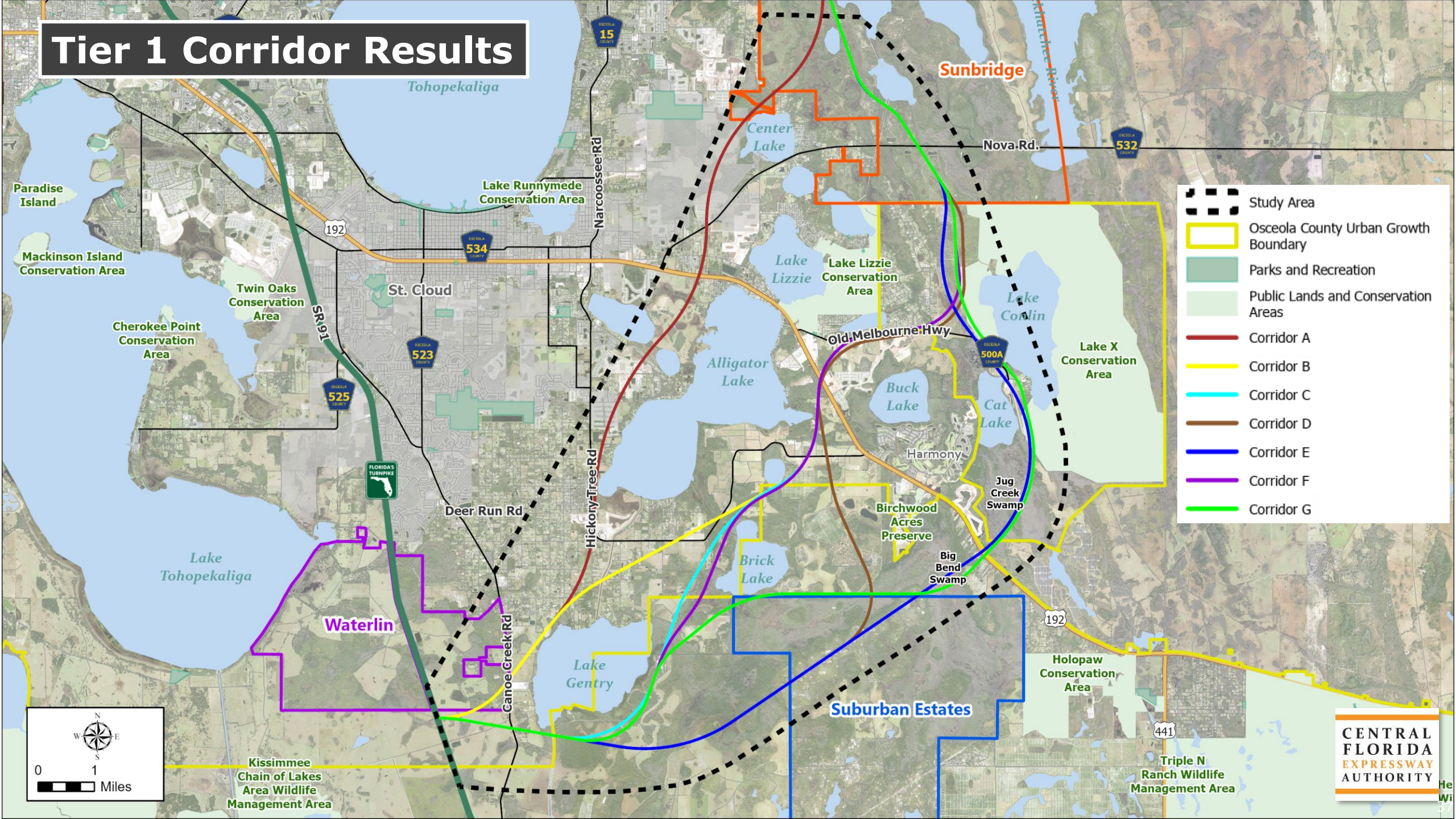


Tier 1 Corridor Evaluation

Evaluation Criteria		Unit	A	B	C	D	E	F	G
Potential Residential Parcels Affected (includes partially impacted parcels)	Existing	Total Parcels	227	32	4	3	1	51	0
	Planned	Total Parcels	92	166	160	159	10	56	0
Potential Non-Residential Parcels Affected (includes partially impacted parcels)	Existing	Total Parcels	26	8	2	4	23	4	15
	Planned	Total Parcels	6	4	6	4	2	4	2
Community Facilities		No. of Conflicts	1	0	0	0	0	0	0
Agricultural Lands		Acres	412	508	632	605	463	634	537
Suburban Estates Impacts		Acres	0	0	0	148	138	0	62
Preliminary Construction Cost Estimate (based on cost per mile)		Currency (in millions)	\$548	\$612	\$616	\$702	\$690	\$593	\$653



Tier 1 Corridor Results



Tier 1 Corridor Recommendations

Legend:

- Study Area (Dashed black line)
- Osceola County Urban Growth Boundary (Yellow outline)
- Parks and Recreation (Green)
- Public Lands and Conservation Areas (Light green)
- Corridor B (Yellow line)
- Corridor D (Brown line)
- Corridor F (Purple line)
- Corridor G (Green line)

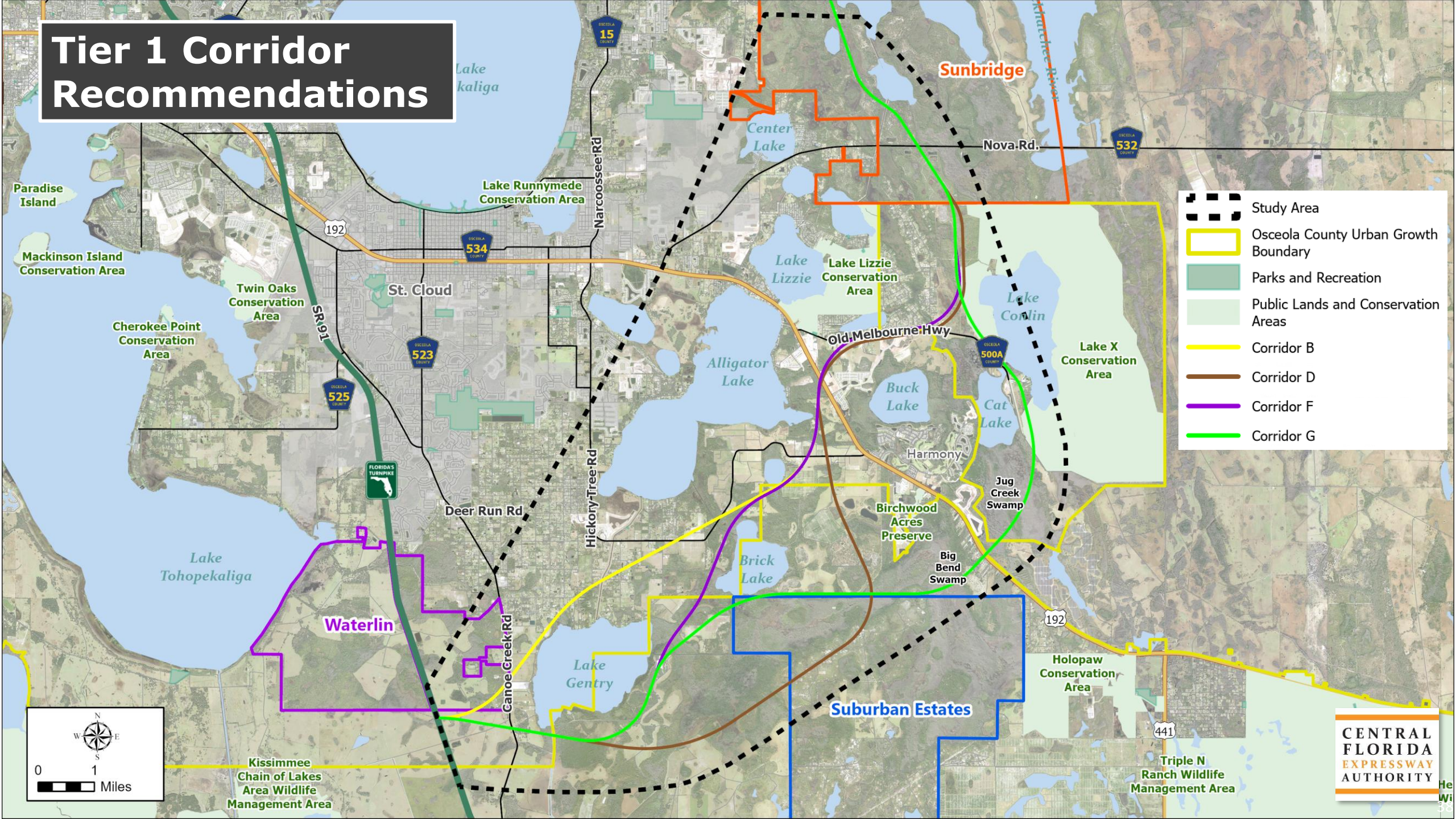
Map Labels:

- Paradise Island
- Mackinson Island Conservation Area
- Twin Oaks Conservation Area
- Cherokee Point Conservation Area
- Lake Runnymede Conservation Area
- Center Lake
- Lake Lizzie
- Lake Lizzie Conservation Area
- Alligator Lake
- Buck Lake
- Cat Lake
- Lake X Conservation Area
- Jug Creek Swamp
- Birchwood Acres Preserve
- Big Bend Swamp
- Brick Lake
- Lake Gentry
- Waterlin
- Suburban Estates
- Holopaw Conservation Area
- Triple N Ranch Wildlife Management Area
- Kissimmee Chain of Lakes Area Wildlife Management Area
- St. Cloud
- Harmony
- Sunbridge
- Nova Rd.
- Old Melbourne Hwy
- Deer Run Rd
- Hickory Tree Rd
- Canoe Creek Rd
- Florida's Turnpike
- SR 61
- SR 523
- SR 534
- SR 525
- SR 500A
- SR 441
- SR 192
- SR 15

Scale: 0 to 1 Miles

Central Florida Expressway Authority

-
- Tier 1 Corridor Recommendations**
- Legend:**
- Study Area (Dashed black line)
 - Osceola County Urban Growth Boundary (Yellow outline)
 - Parks and Recreation (Green shading)
 - Public Lands and Conservation Areas (Light green shading)
 - Corridor B (Yellow line)
 - Corridor D (Brown line)
 - Corridor F (Purple line)
 - Corridor G (Green line)
- Map Labels:**
- Paradise Island
 - Mackinson Island Conservation Area
 - Twin Oaks Conservation Area
 - Cherokee Point Conservation Area
 - Lake Tohopekaliga
 - Waterlin
 - Kissimmee Chain of Lakes Area Wildlife Management Area
 - Lake Runnymede Conservation Area
 - St. Cloud
 - Lake Lizzie
 - Lake Lizzie Conservation Area
 - Alligator Lake
 - Buck Lake
 - Harmony
 - Birchwood Acres Preserve
 - Big Bend Swamp
 - Jug Creek Swamp
 - Suburban Estates
 - Holopaw Conservation Area
 - Triple N Ranch Wildlife Management Area
 - Sunbridge
 - Nova Rd.
 - Old Melbourne Hwy
 - Deer Run Rd
 - Hickory Tree Rd
 - Canoe Creek Rd
 - Florida's Turnpike
 - SR 61
 - SR 525
 - SR 523
 - SR 534
 - SR 532
 - SR 500A
 - SR 441
 - SR 192
 - SR 15
- Scale:** 0 to 1 Miles
- Central Florida Expressway Authority**



Agency & Stakeholder Input

- ✓ Related Projects
- ✓ Planned Developments (Osceola County and City of St. Cloud)
- ✓ SFWMD Conservation Easements and Criteria
- ✓ Alternatives and Engineering Considerations
- ✓ Environmental Effects
- ✓ Mobility Alternatives

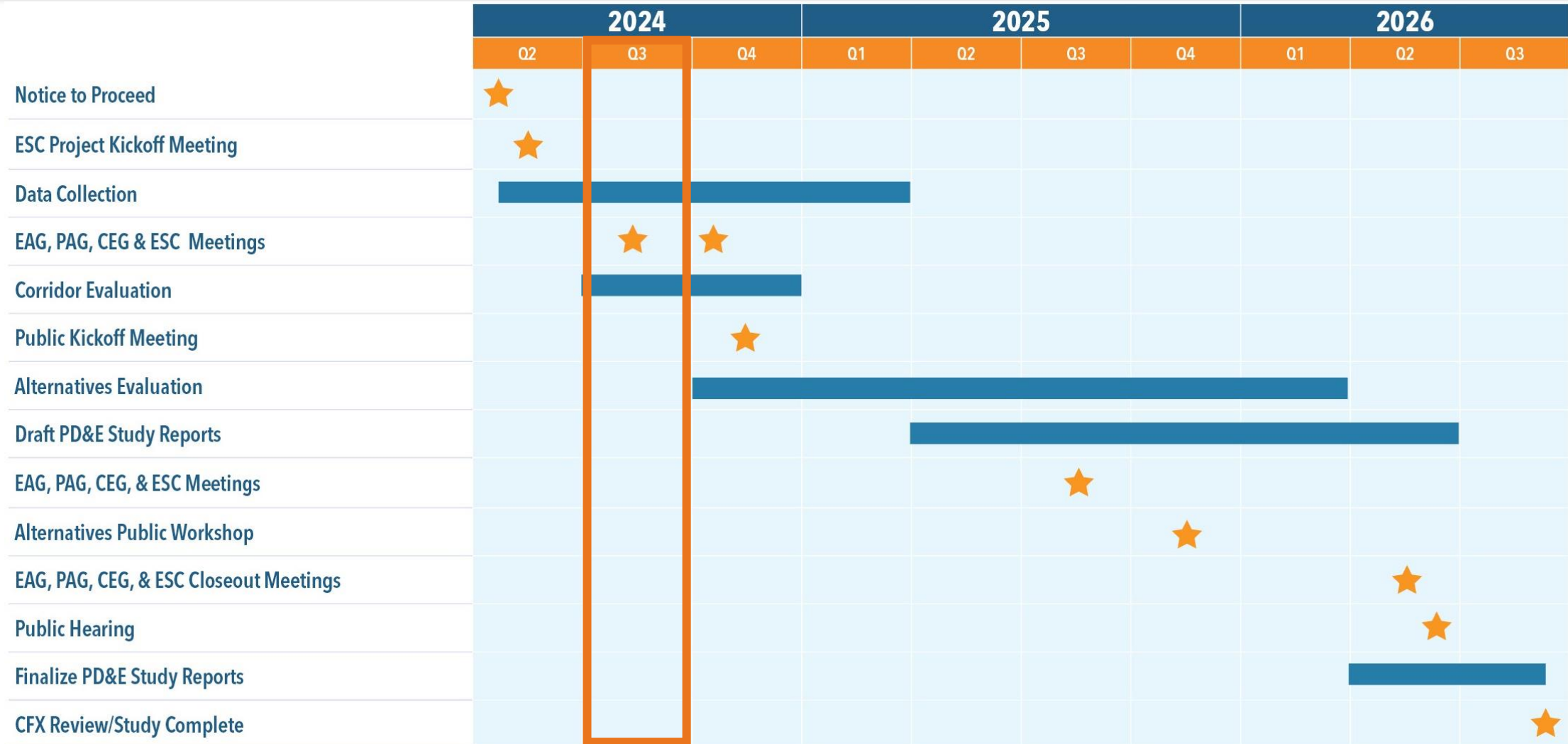




CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

DISCUSSION

PD&E Schedule



Project Contact

For more information contact:

Nick Lulli

Public Involvement Coordinator

407-885-4743

ProjectStudies@CFXway.com

Will Hawthorne, PE

Director of Transportation

Planning & Policy

407-690-5337

Will.Hawthorne@CFXway.com

CFX web address:

www.CFXway.com

Shortened study web address:

bit.ly/3YGknak





CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

THANK YOU!