CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 515 NORTHEAST CONNECTOR EXPRESSWAY
PHASE 2 PD&E STUDY

TOLL 515

EVALUATION MATRIX - LAKE X MINIMIZATION OPTIONS

November 2026

Evaluation Measure	Unit of Measure	Option 1 (as presented at Alternatives Public Workshop)	Option 2 (east)	Option 3 (center)	Option 4 (west)
Design					
Corridor Length	Miles	6.0	6.1	6.0	6.1
Proposed ROW width	Feet	330	330	330	330
Proposed ROW total (approximate)	Acres	241	243	265	266
Proposed bridge crossings (roadway/canal/environmental crossings)[1]	Number of Crossings	7	7	5	5
Total length of all crossings (roadway/canal/environmental crossings)[1]	Feet	3,662	3,662	1,549	1,566
Roadway/Canal Crossings	Feet	1,120	1,120	1,035	1,052
Environmental Crossings (Planned)	Feet	2,542	2,542	514	514
Accommodates existing Old Melbourne Highway connection to Old Brick Road	Yes/No	Yes	Yes	Yes	Yes
Accommodates proposed Old Melbourne Highway Interchange	Yes/No	Yes	Yes	Yes	Yes
Requires reconstruction of segments of Old Melbourne Highway	Yes/No	No	No	Yes	Yes
Physical					
Major Utility Conflicts - Existing	Number of Conflicts	1	1	2	3
Contamination Sites (Medium and High Risk Sites)	Number of Conflicts	1	1	0	0
Cultural Environment					
Public Recreation Lands	Acres	0	0	0	0
Kenneth Kirchman Foundation Recreational Site	Yes/No	Yes, direct impacts to private recreational facilities	Yes, direct impacts to private recreational facilities	Yes, but avoids direct impacts to private recreational facilities.	Yes, but avoids direct impacts to private recreational facilities.
Potential Historic Resources	Number of Conflicts	0	0	0	0
Potential Historic Linear Resources (Canals/Highways/Railroads)	Number of Resources	1	1	1	1
Potential Archaeological Resources	Number of Resources	0	0	0	0
Natural Environment					
Floodplain Involvement - 100 Year Floodplain[2]	Acres	145	151	157	156
Canals / Regulated Floodways[3]	Number of Conflicts	0	0	0	0
Wetlands (non-forested and forested)[4]	Acres	88	91	83	84
Surface Waters	Acres	0	0	0	0
Potential Species Habitat[5]	Acres	223	229	217	208
Lake X Ranch (Total)	Acres	126	119	71	55
Mitigation Bank/Conservation Easement	Acres	*55*	*47*	*8*	*3*
Existing Land Use (Conservation)	Acres	*28*	*29*	*28*	*20*
Non-Conservation Acreage (Institutional)	Acres	*43*	*43*	*35*	*32*
Other Regulatory Conservation Easements (Harmony)	Acres	0	0	6	13
Other Conservation Areas (designated by Existing Land Use)	Acres	0	0	0	0
Florida Wildlife Corridor[6]	Acres	228	230	236	240
Florida Forever Priority Projects (Planned)[6]	Acres	73	83	87	89
Social					
Residential Parcels - Existing					
Potential Residential Parcels Affected[7,8,10]	Number of Parcels	1	0	12	15
Residential Parcels - Existing	Number of Parcels	*1*	*0*	*3*	*4*
Residential Stormwater and Common Areas	Number of Parcels	*0*	*0*	*9*	*11*
Potential Residential Parcels Affected[7,8,10]	Acres	4	0	13	24
Residential Homes	Acres	*4*	*0*	*4*	*13*
Residential Stormwater and Common Areas	Acres	*0*	*0*	*9*	*11*
Non-Residential Parcels					
Other Potential Non-Residential Parcels Affected[7,9]	Number of Parcels	0	0	0	0
Community Cohesion Effects - Existing/Planned Neighborhoods Affected	Low/Medium/High	Low	Low	Medium	Medium
Private Facilities - Airstrip	Number of Conflicts	0	0	1	1
Agricultural Lands	Acres	40	40	58	58
Preliminary Estimated Cost					
Total Construction Cost	Currency (in millions)	$558	$560	$450	$453
Preliminary Right-of-Way Cost	Currency (in millions)	$25	$15	$40	$45
Estimated Total Project Cost	Currency (in millions)	$583	$575	$490	$498

Notes:

[1] Roadway/Canal crossings include ramp bridges. Bridge length is based on longest span per location. Environmental crossings are based on corridor length (not length of multiple spans) and are subject to change.

[2] Floodplain involvement based on GIS data only and doesn't include minimization efforts to reduce direct ROW impacts.

[3] Number of conflicts are identified, however bridges are assumed for all crossings.

[4] Wetland values were derived based on FLUCCS and refined using approved wetland boundaries from the WMD, as well as available DEM and LiDAR data. No field-based wetland survey was conducted. Wetland impacts do not include minimization efforts to reduce direct ROW impacts.

[5] Limited observation data available due to undeveloped nature of the study area. Species habitat identified based on FLUCCS and typical habitat for gopher tortoise, caracara, snail kite, grasshopper sparrow, scrub jay, red cockaded woodpecker, wood stork, eagle nest, Florida panther, and black bear. Telemetry data indicates the presence of the Florida panther 2,100 feet west of Florida's Turnpike; however, the panther is absent within all of the alignments. Additionally, the alignments are not within the focus area which includes the primary and secondary zones. Black bear are "occasional" throughout the alignments and not within the primary range of the black bear.

[6] Values do not include overlap areas within Lake X Ranch.

[7] Includes partially impacted parcels.

[8] Includes vacant parcels/common areas within existing residential communities.

[9] Does not include agricultural lands or Lake X Ranch (both shown in other rows).

[10] Includes planned developments under construction.

= Relatively High Impacts when Compared to Other Options

= Relatively Medium Impacts when Compared to Other Options

= Relatively Low Impacts when Compared to Other Options

STUDY WEBPAGE

COMMENT FORM