

**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
<b>Design</b>					
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
<b>Social</b>					
Right-of-Way Area Needed (not including proposed ponds)	Total Acres	62	42	50	58
<i>Potential Permitted Development Impacts</i>	Acres	0	5	6	11
Potential Residential Parcels Affected	Total Parcels	26	31	23	5
<i>Existing</i>	Parcels	26	13	5	5
<i>Planned</i>	Parcels	0	18	18	0
Potential Non-Residential Parcels Affected	Total Parcels	17	10	13	11
<i>Existing</i>	Parcels	17	2	5	5
<i>Planned</i>	Parcels	0	8	8	6
Community Facilities	No. of Conflicts	1 <sup>a</sup>	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
<b>Cultural Environment</b>					
Proximity to Public Recreation Lands and Wildlife Management Areas <sup>d</sup>	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 <sup>b</sup>	0	0	0
Potential Known Historic Linear Resources (Canals/Highways/Railroads)	No. of Resources	1 <sup>c</sup>	0	0	0
Potential Known Archaeological Resources	No. of Resources	0	0	0	0
<b>Natural Environment</b>					
Potential Regulatory Conservation Easement Impacts (SJRWMD)	Acres	2	14	14	10
Potential Surface Water Impacts	Total Acres	7	3	13	18
<i>Natural Lakes</i>	Acres	0	0	0	0
<i>Stormwater Management Areas</i>	Acres	0	3	3	8
<i>Other Reservoirs</i>	Acres	7	0	10	10
<i>Canals/Creeks</i>	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
<i>Forested</i>	Acres	4	16	16	15
<i>Non-forested</i>	Acres	3	3	1	1
Potential Habitat - Federal Listed Species	Acres	47	34	37	59
Potential Habitat - State-Listed Species	Acres	40	32	27	59
Potential Bald Eagle Nest	No. of Conflicts	1	2	3	3
Potential Species Impacts (composite rating)	High/Med/Low	Medium <sup>e</sup>	Medium <sup>e</sup>	Medium <sup>e</sup>	Medium <sup>e</sup>
Mitigation Banks	Acres	0	0	0	0
Florida Forever Lands	Acres	0	0	0	0
Florida Wildlife Corridors	Acres	0	0	0	0
<b>Physical</b>					
Major Utility Conflicts - Existing <sup>h</sup>	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:**

<sup>a</sup>Sanford Airport Authority RPZ

<sup>b</sup>ca. 1965 building located within alignment

<sup>c</sup>ca. 1965 canal/ditch located within alignment

<sup>d</sup>Nearest edge of pavement to nearest Public Lands boundary

<sup>e</sup>Nearest Edge of ROW line to nearest edge of 100-Year Floodplain boundary

<sup>f</sup>Alignments 1, 3A, and 3D fall within the 100-Year Floodplain. Alignment 2 is approximately 630 ft from nearest edge of 100-year floodplain boundary.

<sup>g</sup>Medium due to eagle nest involvement

<sup>h</sup>Utility Impacts consist of overhead electric, overhead CATV/telephone, 12" water main (E. Lake Mary Blvd.), and 8" water main (E. Lake Mary Blvd.)