

## ALIGNMENT ALTERNATIVES EVALUATION MATRIX

March 2026

Evaluation Measure	Unit of Measure	Alignment D1 (southern OMH <sup>14</sup> )	Alignment D2 (northern OMH <sup>14</sup> )	Alignment F1 (southern OMH <sup>14</sup> )	Alignment F2 (northern OMH <sup>14</sup> )	Alignment G
<b>Design</b>						
Corridor Length	Miles	17.1	17.1	16.6	16.7	19.8
Proposed ROW width	Feet	330	330	330	330	330
Proposed ROW total (approximate)	Acres	1,102	1,127	1,084	1,109	1,152
Proposed bridge crossings (roadway/canal/ environmental crossings) <sup>1</sup>	Number of Crossings	29	31	30	32	28
Total length of all crossings (roadway/canal/ environmental crossings) <sup>1</sup>	Feet	20,551	15,866	20,941	16,305	17,899
<i>Roadway/Canal Crossings</i>	Feet	15,244	10,498	16,660	11,963	9,745
<i>Environmental Crossings</i>	Feet	5,307	5,368	4,281	4,342	8,154
Proposed interchanges	Number	4	4	4	4	4
Projected 2050 AADT Volume <sup>2</sup>	Number of Vehicles per Day	22,100-46,400	22,100-46,400	32,000-48,200	32,000-48,200	21,500-43,500
US 192 Impacts to Signal Spacing (low/med/high)	Low/Medium/High	High	High	High	High	Low
<b>Physical</b>						
Major Utility Conflicts - Existing	Number of Conflicts	3	3	3	3	2
Contamination Sites (Medium and High Risk Sites)	Number of Conflicts	8	8	8	8	3
<b>Cultural Environment</b>						
Public Recreation Lands	Acres	0	0	0	0	0
Potential Historic Resources	Number of Conflicts	0	0	0	0	0
Potential Historic Linear Resources (Canals/Highways/ Railroads)	Number of Resources	1	1	1	1	1
Potential Archaeological Resources	Number of Resources	0	0	0	0	0
<b>Natural Environment</b>						
Floodplain Involvement - 100 Year Floodplain <sup>3</sup>	Acres	390	390	438	438	667
Canals / Regulated Floodways <sup>4</sup>	Number of Conflicts	1	1	2	2	1
Wetlands (non-forested and forested) <sup>5</sup>	Acres	269	275	246	251	436
Potential Species Habitat <sup>6</sup>	Acres	1,008	1,013	985	991	1,107
Conservation Lands <sup>7</sup>	Acres	0	0	0	0	71
Regulatory Conservation Easement	Acres	0	0	0	0	0
Florida Wildlife Corridor <sup>8</sup>	Acres	764	761	668	665	1,047
Florida Forever Priority Projects (Planned) <sup>8</sup>	Acres	337	334	242	239	509
SFWM DWP (Watershed Management Program)	Acres	49	49	49	49	49
<b>Social</b>						
<b>Residential Parcels - Existing</b>						
Potential Residential Parcels Affected <sup>9,10,12</sup>	Number of Parcels	136	82	137	83	4
<i>Residential Homes</i>	Number of Parcels	121	71	121	71	4
<i>Residential Stormwater and Common Areas</i>	Number of Parcels	15	11	16	12	0
Potential Residential Parcels Affected <sup>9,10,12</sup>	Acres	45	67	51	73	8
<i>Residential Homes</i>	Acres	20	57	20	57	8
<i>Residential Stormwater and Common Areas</i>	Acres	25	10	31	16	0
<b>Residential Parcels - Planned</b>						
Potential Residential Parcels Affected <sup>9,13</sup>	Number of Parcels	181	161	181	161	31
Potential Residential Parcels Affected <sup>9,13</sup>	Acres	47	44	47	44	8
<b>Non-Residential Parcels</b>						
Total Potential Non-Residential Parcels Affected <sup>9,11</sup>	Number of Parcels	7	14	7	14	14
Community Cohesion Effects - Existing/Planned Neighborhoods Affected	Low/Medium/High	High	High	High	High	Low
Community Facilities	Number of Conflicts	0	0	0	0	0
Agricultural Lands	Acres	847	849	849	849	818
Suburban Estates Impacts (approximate)	Acres	28	28	0	0	28
<b>Preliminary Estimated Cost</b>						
Total Construction Cost	Currency (in millions)	\$1,945	\$1,820	\$1,970	\$1,840	\$2,020
Preliminary Right-of-Way Cost	Currency (in millions)	\$230	\$260	\$230	\$260	\$80
Estimated Total Project Cost	Currency (in millions)	\$2,175	\$2,080	\$2,200	\$2,100	\$2,100

Notes:  
<sup>1</sup> 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.  
<sup>2</sup> AADT values represent range from Canoe Creek Road to Nova Road.  
<sup>3</sup> Floodplain involvement based on GIS data only and doesn't include minimization efforts to reduce direct ROW impacts.  
<sup>4</sup> Number of conflicts are identified, however bridges are assumed for all crossings.  
<sup>5</sup> Wetland values based on FLUCCS and limited review of permits. No wetland survey was conducted. Wetland impacts do not include minimization efforts to reduce direct ROW impacts.  
<sup>6</sup> 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, eagle nest, Florida panther, and black bear. Telemetry data indicates the presence of the Florida panther 2,100 feet west of the Florida's Turnpike; however, the panther is absent within all of the corridors. Additionally, the corridors are not within the focus area which includes the primary and secondary zones. Black bear are "occasional" throughout the corridors and not within the primary range of the black bear.  
<sup>7</sup> Lake X Conservation Area which is also within a mitigation bank.  
<sup>8</sup> Values do not include overlap areas designated as mitigation bank  
<sup>9</sup> Includes partially impacted parcels  
<sup>10</sup> Includes vacant parcels/common areas within existing residential communities.  
<sup>11</sup> Does not include Suburban Estates or agricultural lands.  
<sup>12</sup> Includes planned developments under construction.  
<sup>13</sup> Includes planned developments with pending and approved Site Development Plan permits. Parcel count is based on subdivided parcels at time of analysis.  
<sup>14</sup> Old Melbourne Highway (OMH).

= Relatively High Impacts when Compared to Other Corridors  
 = Relatively Medium Impacts when Compared to Other Corridors  
 = Relatively Low Impacts when Compared to Other Corridors

STUDY WEBPAGE

