

**South Florida 2045 RTP**  
**DRAFT Scenario Performance Measures**

Indicator	Methodology and Assumptions	Results	Trend (2045 XCF)				Flexible Transit Network (2045)						Regional Transit Network (2045)			Regional Transit Network + Alternative Growth (2045)																		
			Total	Broward	Palm Beach	Miami Dade	Total	Broward	Palm Beach	Miami Dade	Total	Broward	Palm Beach	Miami Dade	Total	Broward	Palm Beach	Miami Dade																
<b>Total Population and Employment</b>		Total Population	7,517,900	2,178,114	29%	1,755,139	23%	3,475,885	46%	7,517,900	2,200,422	29%	1,784,515	24%	3,532,963	47%	7,517,900	2,178,114	29%	1,755,139	23%	3,475,885	46%	7,517,900	2,200,422	29%	1,784,515	24%	3,532,963	47%				
		Total Employment	3,998,163	1,241,845	31%	931,149	23%	1,827,450	46%	3,998,163	1,240,105	31%	930,759	23%	1,827,299	46%	3,998,163	1,241,845	31%	931,149	23%	1,827,450	46%	3,998,163	1,240,105	31%	930,759	23%	1,827,299	46%				
<b>1. Job Accessibility by Transit</b>	SERPM output	Average travel time for work tours using transit (min.)	53.0	63.0		64.3		49.3		48.3	50.3		46.0		48.2		48.3	50.3		46.0		48.2		48.6	50.1		46.1		48.9					
		Change from Trend	NA	NA		NA		-4.7	-9%	-12.6	-20%	-18.3	-28%	-1.1	-2%	-4.7	-9%	-12.6	-20%	-18.3	-28%	-1.1	-2%	-4.3	-8%	-12.9	-20%	-18.2	-28%	-0.4	-1%			
<b>2. Walk Access to Transit</b>	1/2 mile buffer around high and medium investment stations; existing Metrorail and Tri-Rail stations 1/4 mile buffer around low investment alignments	Total Population within 1/2 mile of high/medium investment stations	462,497	6%	29,793	1%	32,782	2%	399,922	12%	2,030,235	27%	681,585	31%	474,708	27%	873,941	25%	2,030,235	27%	681,585	31%	474,708	27%	873,941	25%	2,597,572	35%	758,879	34%	649,172	36%	1,189,520	34%
		Total Population within 1/4 mile of low investment alignments	NA		NA		NA		251,896	3%	161,855	7%	N/A	N/A	90,041	3%	251,896	3%	161,855	7%	N/A	N/A	90,041	3%	232,856	3%	151,240	7%	N/A	N/A	81,615	2%		
		Total Employees within 1/2 mile of high/medium investment stations	437,287	11%	40,521	3%	51,349	6%	345,416	19%	1,613,114	40%	528,398	43%	399,353	43%	685,363	38%	1,613,114	40%	528,398	43%	399,353	43%	685,363	38%	1,939,850	49%	624,172	50%	479,440	52%	836,237	46%
		Total Employees within 1/4 mile of low investment alignments	NA		NA		NA		220,478	6%	167,329	13%	N/A	N/A	53,149	3%	220,478	6%	167,329	13%	N/A	N/A	53,149	3%	254,937	6%	204,912	17%	N/A	N/A	50,026	3%		
		Total Pop. within 3 miles of new commuter/express stops (drive access)	NA		NA		NA		NA		NA		NA		NA		4,476,208	60%	1,024,814	47%	1,090,808	62%	2,360,585	68%	4,557,156	61%	1,019,823	46%	1,120,915	63%	2,416,419	68%		
		Total Pop. within 1/2 mile of new commuter/express stops (walk access)	NA		NA		NA		NA		NA		NA		NA		393,650	5%	79,041	4%	62,391	4%	252,218	7%	473,371	6%	82,276	4%	85,777	5%	305,318	9%		
		Total Emp. within 1/2 mile of new commuter/express stops (walk access)	NA		NA		NA		NA		NA		NA		NA		516,159	13%	115,859	9%	61,455	7%	338,845	19%	606,047	15%	151,368	12%	79,458	9%	375,220	21%		
		<b>3. Cost Effectiveness</b>	Annual operating cost + annualize capital cost + Total annual passenger miles 40 year amortization on capital cost	Annualized capital and operating cost	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
<b>4. Walk and Bike Access to Activities</b>	Walk distance = 1/4 mile buffer Cycling distance = 3 mile buffer Activity center = MAZs with at least 500 employees and a gross density of 50 jobs per acre or more	Total Population within walking distance	685,741	9%	97,391	4%	68,610	4%	519,740	15%	685,741	9%	97,391	4%	68,610	4%	519,740	15%	685,741	9%	97,391	4%	68,610	4%	519,740	15%	734,765	10%	97,275	4%	119,182	7%	518,308	15%
		Total Population within cycling distance	4,390,726	58%	998,552	46%	1,152,859	66%	2,239,316	64%	4,390,726	58%	998,552	45%	1,152,859	65%	2,239,316	63%	4,390,726	58%	998,552	46%	1,152,859	66%	2,239,316	64%	4,549,707	61%	1,033,941	47%	1,240,464	70%	2,275,301	64%
		Total Employees within walking distance	893,120	22%	166,857	13%	157,768	17%	568,495	31%	893,120	22%	166,857	13%	157,768	17%	568,495	31%	893,120	22%	166,857	13%	157,768	17%	568,495	31%	1,329,871	33%	323,787	26%	279,762	30%	726,322	40%
		Total Employees within cycling distance	2,841,427	71%	727,570	59%	716,894	77%	1,396,963	76%	2,841,427	71%	727,570	59%	716,894	77%	1,396,963	76%	2,841,427	71%	727,570	59%	716,894	77%	1,396,963	76%	3,038,939	76%	804,549	65%	762,494	82%	1,471,896	81%
<b>5. VMT Reduction</b>	SERPM output	Total VMT	151,492,000	100%	48,929,000	32%	42,388,000	28%	60,174,000	40%	149,918,000	100%	48,545,000	32%	42,149,000	28%	59,224,000	40%	150,055,000	100%	48,551,000	32%	42,204,000	28%	59,299,000	40%	148,597,000	100%	48,291,000	32%	41,610,000	28%	58,695,000	39%
		Change from Trend	NA		NA		NA		-1,574,000	-1.0%	-384,000	-0.8%	-239,000	-0.6%	-950,000	-1.6%	-1,437,000	-0.9%	-378,000	-0.8%	-184,000	-0.4%	-875,000	-1.5%	-2,895,000	-2%	-638,000	-1%	-778,000	-2%	-1,479,000	-2%		
<b>6. Person VMT by mode</b>	SERPM output	Single occupant vehicle (percent of total)	102,052,000	57%	NA	NA	NA	NA	100,059,000	56%	NA	NA	NA	NA	100,295,000	56%	NA	NA	100,295,000	56%	NA	NA	NA	NA	97,545,000	56%	NA	NA	NA	NA	NA			
		Multiple occupant vehicle	62,526,000	35%	NA	NA	NA	NA	61,818,000	35%	NA	NA	NA	NA	61,585,000	35%	NA	NA	61,585,000	35%	NA	NA	NA	NA	61,198,000	35%	NA	NA	NA	NA	NA			
		Transit	5,056,000	3%	NA	NA	NA	NA	6,823,000	4%	NA	NA	NA	NA	6,915,000	4%	NA	NA	6,915,000	4%	NA	NA	NA	NA	8,187,000	5%	NA	NA	NA	NA	NA			
		Walk and bike (non-motorized)	9,371,000	5%	NA	NA	NA	NA	9,373,000	5%	NA	NA	NA	NA	9,359,000	5%	NA	NA	9,359,000	5%	NA	NA	NA	NA	8,619,000	5%	NA	NA	NA	NA	NA			
<b>7. Vehicle Hours of Travel</b>	SERPM output	Total VHT	5,229,000	100%	1,585,000	30%	1,107,000	21%	2,538,000	49%	4,946,000	100%	1,564,000	32%	1,063,000	21%	2,319,000	47%	4,956,000	100%	1,567,000	32%	1,066,000	22%	2,323,000	47%	5,438,000	100%	1,753,000	32%	1,088,000	20%	2,598,000	48%
		Change from Trend	NA		NA		NA		-283,000	-5.4%	-21,000	-1.3%	-44,000	-4.0%	-219,000	-8.6%	-273,000	-5.2%	-18,000	-1.1%	-41,000	-3.7%	-215,000	-8.5%	209,000	4%	168,000	11%	-19,000	-2%	60,000	2%		
<b>8. Average Drive Time to Work</b>	SERPM output	Average travel time for work tours by auto modes (min.)	27.1	23.5		24.0		31.5		27.2	23.6		24.1		31.5		27.2	23.7		24.1		31.6		26.7	23.9		23.4		30.5					
		Change from Trend	NA		NA		NA		0.1	0%	0.1	1%	0.1	0%	0.0	0%	0.2	1%	0.3	1%	0.1	0%	0.1	0%	-0.4	-1%	0.4	2%	-0.6	-2%	-1.0	-3%		
<b>9. Mode Share/ 10. Total Walk/Bike Trips</b>	SERPM output	Single occupant vehicle (% of total trips)	11,469,000	47%	3,702,000	50%	2,971,000	51%	4,796,000	43%	11,274,000	46%	3,643,000	49%	2,903,000	50%	4,728,000	43%	11,283,000	46%	3,645,000	49%	2,903,000	50%	4,735,000	43%	11,082,000	45%	3,580,000	48%	2,856,000	47%	4,646,000	42%
		Multiple occupant vehicle	9,786,000	40%	2,909,000	39%	2,345,000	40%	4,532,000	41%	9,678,000	40%	2,867,000	39%	2,310,000	39%	4,501,000	40%	9,665,000	40%	2,863,000	39%	2,309,000	39%	4,493,000	40%	9,738,000	40%	2,864,000	39%	2,458,000	40%	4,416,000	40%
		Transit	653,000	3%	143,000	2%	62,000	1%	448,000	4%	903,000	4%	220,000	3%	149,000	3%	534,000	5%	909,000	4%	221,000	3%	150,000	3%	538,000	5%	948,000	4%	228,000	3%	184,000	3%	536,000	5%
		Walk and bike (non-motorized)	2,504,000	10%	652,000	9%	486,000	8%	1,366,000	12%	2,501,000	10%	652,000	9%	488,000	8%	1,361,000	12%	2,496,000	10%	650,000	9%	487,000	8%	1,359,000	12%	2,841,000	12%	736,000	10%	572,000	9%	1,533,000	14%
<b>11. Resiliency and Vulnerability</b>	Population and employment allocations 2040 Bathhtub Model Inundation Scenario Sea Level Scenario Sketch Planning Tool	Total population within vulnerable areas	1,723,939	23%	792,051	36%	131,385	7%	800,503	23%	1,723,939	23%	792,051	36%	131,385	7%	800,503	23%	1,723,939	23%	792,051	36%	131,385	7%	800,503	23%	1,658,128	22%	797,260	36%	118,005	7%	742,863	21%
		Total employees within vulnerable areas	1,027,580	26%	473,428	38%	58,285	6%	495,867	27%	1,027,580	26%	473,428	38%	58,285	6%	495,867	27%	1,027,580	26%	473,428	38%	58,285	6%	495,867	27%	930,434	23%	440,456	36%	55,879	6%	434,099	24%
<b>13. Total GHG Emissions</b>	SERPM output	CO <sub>2</sub> emissions (tons)	52,600	100%	16,400	31%	13,800	26%	22,400	43%	52,700	100%	16,400	31%	13,700	26%	22,600	43%	52,800	100%	16,400	31%	13,800	26%	22,600	43%	53,900	100%	17,400	32%	13,800	26%	22,700	42%
		Change from Trend	NA		NA		NA		100	0%	0	0%	-100	-1%	200	1%	200	0%	0	0%	0	0%	0	0%	200	1%	1,300	2%	1,000	6%	0	0%	300	1%

**12. Equity Analysis**

Indicator	Methodology and Assumptions	Results	Trend (2045 XCF)				Flexible Transit Network (2045)						Regional Transit Network (2045)			Regional Transit Network + Alternative Growth (2045)																		
			Total	Broward	Palm Beach	Miami Dade	Total	Broward	Palm Beach	Miami Dade	Total	Broward	Palm Beach	Miami Dade	Total	Broward	Palm Beach	Miami Dade																
<b>Total Population and</b>		Total Population	1,431,478	19%	313,455	14%	313,304	18%	804,720	23%	1,431,478	19%	313,455	14%	313,304	18%	804,720	23%	1,431,478	19%	313,455	14%	313,304	18%	804,720	23%	1,454,443	19%	310,525	14%	338,077	19%	805,841	23%
		Total Employment	714,553	18%	158,085	13%	145,997	16%	410,471	22%																								