Trends and Conditions
Special Report – February 2013

Commuting Flow Trends in Florida
METROPOLITAN AREAS

This special report of the FDOT Trends and Conditions series highlights commuting trends in Florida's major metro areas. This report provides descriptive data based on the American Community Survey (ACS) reporting of commuting trends. The ACS data are the only nationally standardized data set that provides commuting origin to destination flow data with various attributes based on the demographic questions that are included in the ACS questionnaire. This brief is complementary to the brief titled *Commuting Trends in Florida*, November 2012, http://www.dot.state.fl.us/planning/trends/special/acs121112.pdf.

The data are derived from the 2006-2010 ACS. The multi-year period is used because it allows a larger sample of data sufficient to provide meaningful flow data tabulations between geographies. The information presented in this brief focuses on commuting flows for the four major metro areas in Florida: Jacksonville, Orlando, Tampa Bay, and South Florida. For each metro area, a graphic is presented that shows commuting flows to and from adjacent counties. Supporting tables are provided to show a tabular presentation of county-to-county flow data and to report commuting by mode and mean commute time by county.

Understanding commuting historically has been a critical component of understanding total travel. Commuting travel patterns often define a large share of a household's total trip making as measured in share of trips. As work trips are slightly longer than the average of other trip purposes, work trip commuting comprises a slightly larger share of person travel miles. Commuting significantly influences the temporal and geographic distributions of non-commuting travel as trips to and from work often define an individual's or household's travel schedule and influence the geographic pattern of much of the household travel.

Work travel demand shapes peak transportation service and infrastructure capacity needs as "rush hours" or peak periods continue to define the most common and, hence, most congested travel times. This peaking of demand, strongly associated with commuting to work, defines the capacity requirements of road and transit system investments. The home-based work trip remains the most critical link in travel demand modeling and transportation land-use modeling and analysis. The regularity and stability of the work trip commute results in it being important in influencing both household and business location decisions. While commuting has become a smaller share of overall travel and continues to evolve and change in response to demographic, cultural, economic, technologic, and other factors, it remains and is likely to continue to remain a very important factor in overall travel demand.

Figure 1 Jacksonville Area Commuting Flows
2006 - 2010 American Community Survey

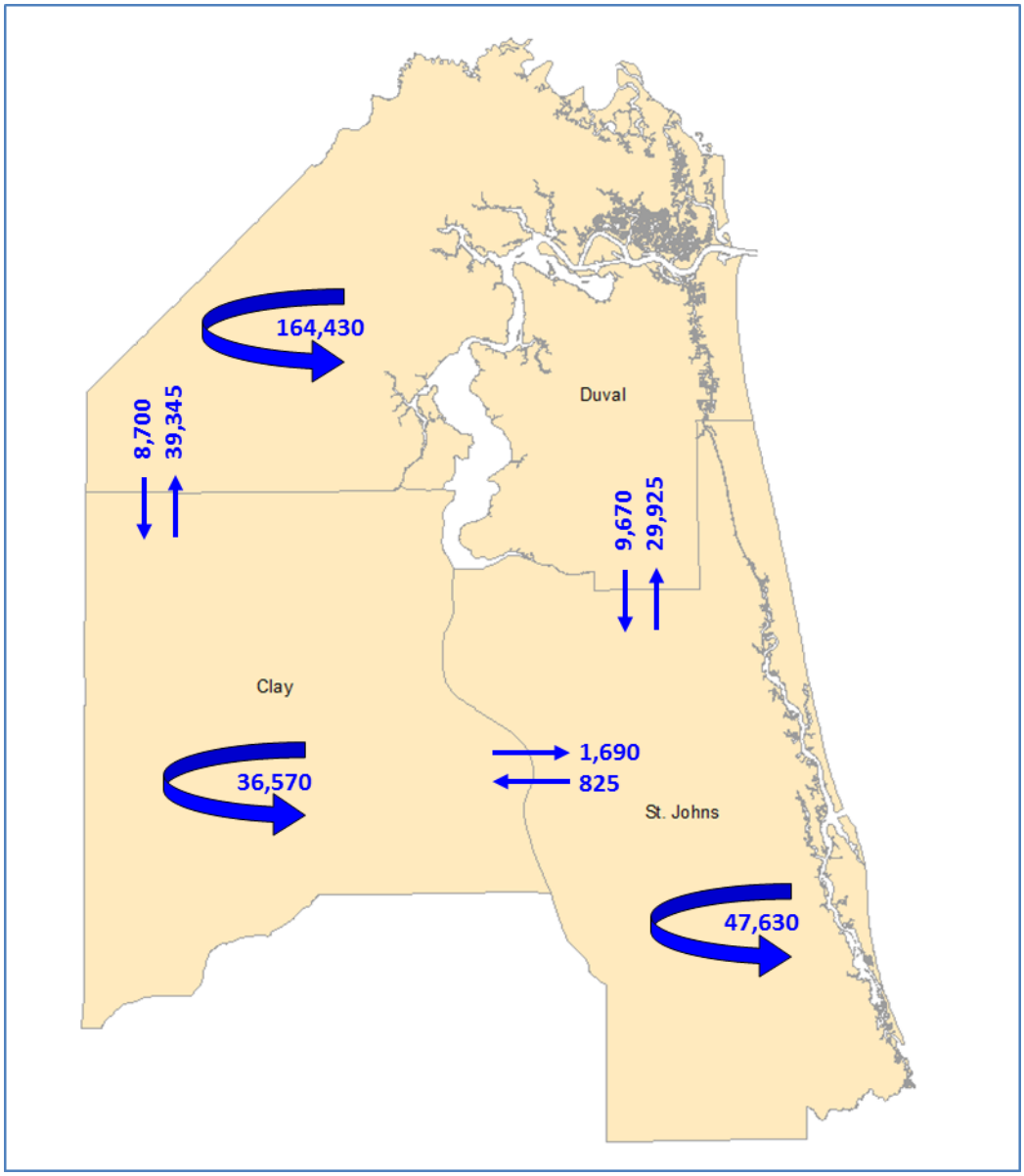

Table 1 Jacksonville Area - Commuting Flows by County

Residence	Work Place			Total Residence
	Clay	Duval	St. Johns	
Clay	36,570	39,345	1,690	*77,605*
Duval	8,700	371,580	9,670	*389,950*
St. Johns	825	29,925	47,630	*78,380*
All Other Counties	3,170	31,320	6,750	*41,240*
Total Work Place	*49,265*	*472,170*	*65,740*	*587,175*

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2006 – 2010 American Community Survey; Equal Employment Opportunity: Table EEO-ALL02W

Table 2 Jacksonville Area - Mode to Work by County (ACS 2006 - 2010)

Mode	Workers Residence						Total	
	Clay		Duval		St. Johns			
	Number	%	Number	%	Number	%	Number	%
All Workers	86,132	100	410,353	100	82,920	100	*579,405*	**100**
Drove alone	70,741	82.1	330,404	80.5	67,451	81.3	*468,596*	**80.9**
2-person Carpool	7,941	9.2	36,356	8.9	5,252	6.3	*49,549*	**8.6**
3-or-more-person Carpool	1,484	1.7	9,384	2.3	969	1.2	*11,837*	**2.0**
Public Transportation	263	0.3	6,435	1.6	215	0.3	*6,913*	**1.2**
Bike	331	0.4	2,247	0.5	763	0.9	*3,341*	**0.6**
Walked	989	1.1	6,817	1.7	1,300	1.6	*9,106*	**1.6**
Taxi, Motorcycle and Other means	1,264	1.5	4,421	1.1	1,948	2.3	*7,633*	**1.3**
Worked at Home	3,119	3.6	14,289	3.5	5,022	6.1	*22,430*	**3.9**
Mean Travel Time to Work (min)	32.1	-	23.4	-	25.8	-	*20*	-

Source: 2006 – 2010 American Community Survey Table B08301

Figure 2 Orlando Area Commuting Flows
2006 - 2010 American Community Survey

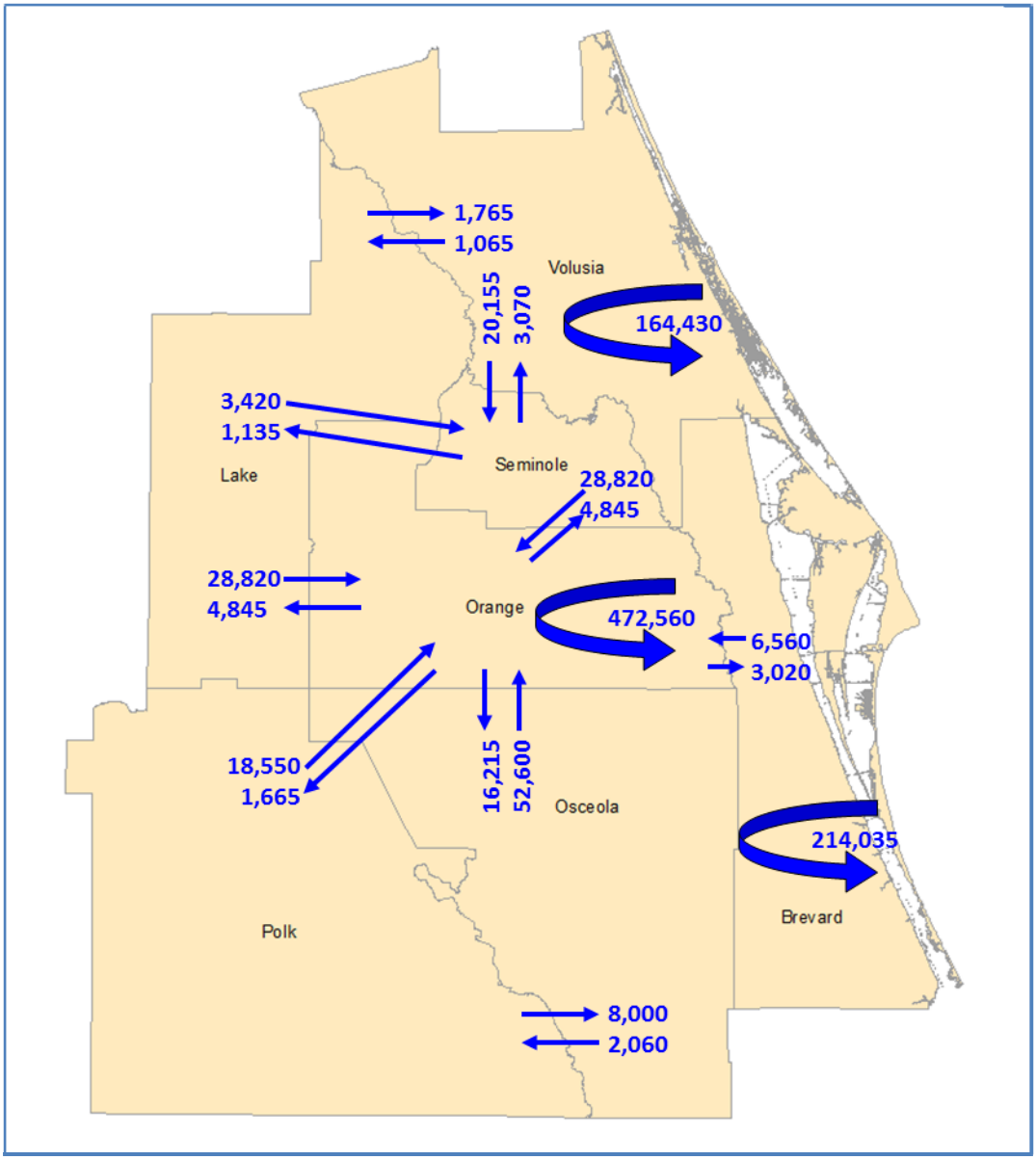

Table 3 Orlando Area - Commuting Flows by County

Residence	Work Place							Total Residence
	Brevard	Lake	Orange	Osceola	Polk	Seminole	Volusia	
Brevard	214,035		6,560			930		*221,525*
Lake		69,570	28,820	2,455	1,345	3,420	1,765	*107,375*
Orange	3,020	4,845	472,560	16,215	1,665	36,530	1,740	*536,575*
Osceola			52,600	57,210	2,060	1,435		*113,305*
Polk		1,330	18,550	8,000	191,985			*219,865*
Seminole	1,015	1,135	80,965	1,245		114,525	3,070	*201,955*
Volusia	1,550	1,065	13,175			20,155	164,430	*200,375*
All Other Counties	5,535	12,325	15,095	1,725	18,180	2,340	11,540	*66,740*
Total Work Place	*225,155*	*90,270*	*688,325*	*86,850*	*215,235*	*179,335*	*182,545*	*1,667,715*

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2006 – 2010 American Community Survey
Equal Employment Opportunity: Table EEO-ALL02W

Table 4 Orlando Area - Mode to Work by County (ACS 2006 - 2010)

Mode	Workers Residence														Total	
	Brevard		Lake		Orange		Osceola		Polk		Seminole		Volusia			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	234,036	100	116,268	100	548,165	100	117,225	100	240,951	100	206,779	100	208,931	100	*1,672,355*	**100**
Drove alone	193,659	82.7	94,678	81.4	437,373	79.8	94,297	80.4	194,483	80.7	171,932	83.1	171,388	82.0	*1,357,810*	**81.2**
2-person Carpool	17,392	7.4	9,793	8.4	41,434	7.6	9,929	8.5	20,965	8.7	13,287	6.4	13,944	6.7	*126,744*	**7.6**
3-or-more-person Carpool	3,713	1.6	2,455	2.1	15,026	2.7	2,661	2.3	7,161	3.0	2,804	1.4	3,802	1.8	*37,622*	**2.2**
Public Transportation	925	0.4	281	0.2	13,837	2.5	1,632	1.4	1,256	0.5	1,124	0.5	1,817	0.9	*20,872*	**1.2**
Bike	1,516	0.6	247	0.2	2,291	0.4	310	0.3	611	0.3	858	0.4	1,322	0.6	*7,155*	**0.4**
Walked	2,791	1.2	1,359	1.2	6,533	1.2	1,060	0.9	2,876	1.2	2,237	1.1	3,963	1.9	*20,819*	**1.2**
Taxi, Motorcycle and Other means	4,248	1.8	1,939	1.7	8,784	1.6	2,743	2.3	6,188	2.6	2,365	1.1	3,806	1.8	*30,073*	**1.8**
Worked at Home	9,792	4.2	5,516	4.7	22,887	4.2	4,593	3.9	7,411	3.1	12,172	5.9	8,889	4.3	*71,260*	**4.3**
Mean Travel Time to Work	23.6	-	27.8	-	26.2	-	30.2	-	25.4	-	25.7	-	24.7	-	*26*	-

Source: 2006 – 2010 American Community Survey Table B08301

Figure 3 Tampa Bay Area Commuting Flows
2006 - 2010 American Community Survey

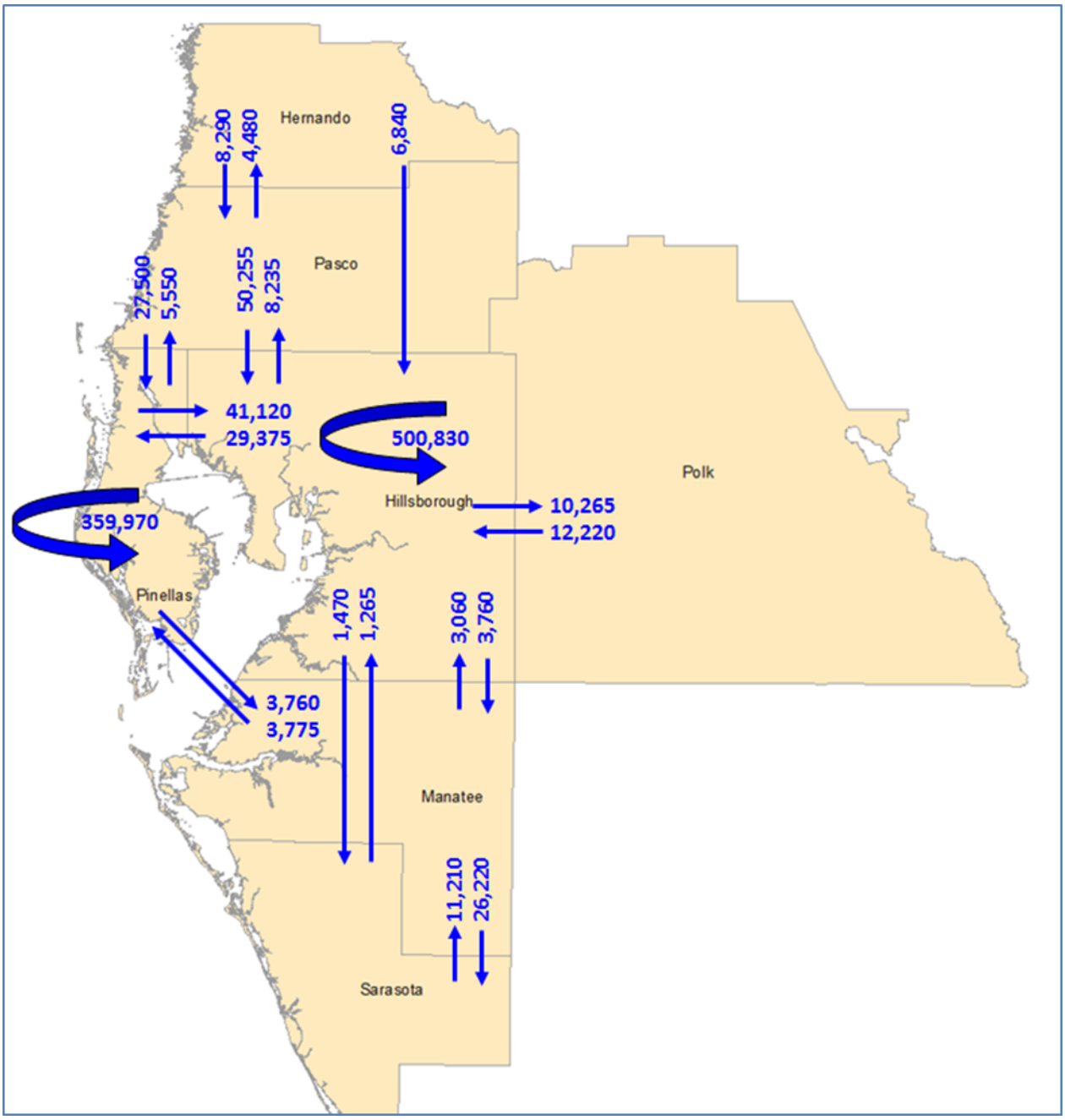

Table 5 Tampa Bay Area - Commuting Flows by County

Residence	Work Place							Total Residence
	Hernando	Hillsborough	Manatee	Pasco	Pinellas	Polk	Sarasota	
Hernando	37,095	6,840		8,290	2,990			*55,215*
Hillsborough		500,830	3,760	8,235	29,375	10,265	1,470	*553,935*
Manatee		3,060	95,235		3,775		26,220	*128,290*
Pasco	4480	50,255		92,960	27,500	1,900		*172,615*
Pinellas		41,120	1,960	5,550	359,970		985	*409,585*
Polk		12,220			645	191,985		*204,850*
Sarasota		1,265	11,210				124,470	*136,945*
All Other Counties	3,690	10,795	2,515	3,105	4,740	11,085	10,220	*46,150*
Total Work Place	*40,785*	*626,385*	*114,680*	*118,140*	*428,995*	*215,235*	*163,365*	*1,707,585*

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2006 – 2010 American Community Survey
Equal Employment Opportunity: Table EEO-ALL02W

Table 2 Tampa Bay Area - Mode to Work by County (ACS 2006 - 2010)

Mode	Workers Residence														Total	
	Hernando		Hillsborough		Manatee		Pasco		Pinellas		Polk		Sarasota			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	Number	%
All Workers	59,510	100	569,595	100	132,191	100	183,726	100	418,343	100	240,951	100	150,019	100	*1,754,335*	*100*
Drove alone	48,472	81.5	456,826	80.2	106,862	80.8	150,728	82.0	336,215	80.4	194,483	80.7	118,879	79.2	*1,412,465*	*80.5*
2-person Carpool	5,033	8.5	42,691	7.5	9,528	7.2	15,173	8.3	29,709	7.1	20,965	8.7	11,594	7.7	*134,693*	*7.7*
3-or-more-person Carpool	1,513	2.5	12,656	2.2	3,353	2.5	3,660	2.0	6,009	1.4	7,161	3.0	2,531	1.7	*36,883*	*2.1*
Public Transportation	111	0.2	8,907	1.6	1,097	0.8	737	0.4	7,278	1.7	1,256	0.5	1,308	0.9	*20,694*	*1.2*
Bike	120	0.2	3,360	0.6	842	0.6	573	0.3	3,762	0.9	611	0.3	1,824	1.2	*11,092*	*0.6*
Walked	650	1.1	9,673	1.7	1,781	1.3	1,553	0.8	7,928	1.9	2,876	1.2	2,337	1.6	*26,798*	*1.5*
Taxi, Motorcycle and Other means	986	1.7	7,242	1.3	2,293	1.7	2,471	1.3	7,461	1.8	6,188	2.6	2,388	1.6	*29,029*	*1.7*
Worked at Home	2,625	4.4	28,240	5.0	6,435	4.9	8,831	4.8	19,981	4.8	7,411	3.1	9,158	6.1	*82,681*	*4.7*
Mean Travel Time to Work (min)	30.2	-	25.6	-	23.5	-	30.0	-	23.0	-	25.4	-	21.6	-	*25.6*	-

Source: 2006 – 2010 American Community Survey Table B08301

Figure 4 South Florida Commuting Flows
2006 - 2010 American Community Survey

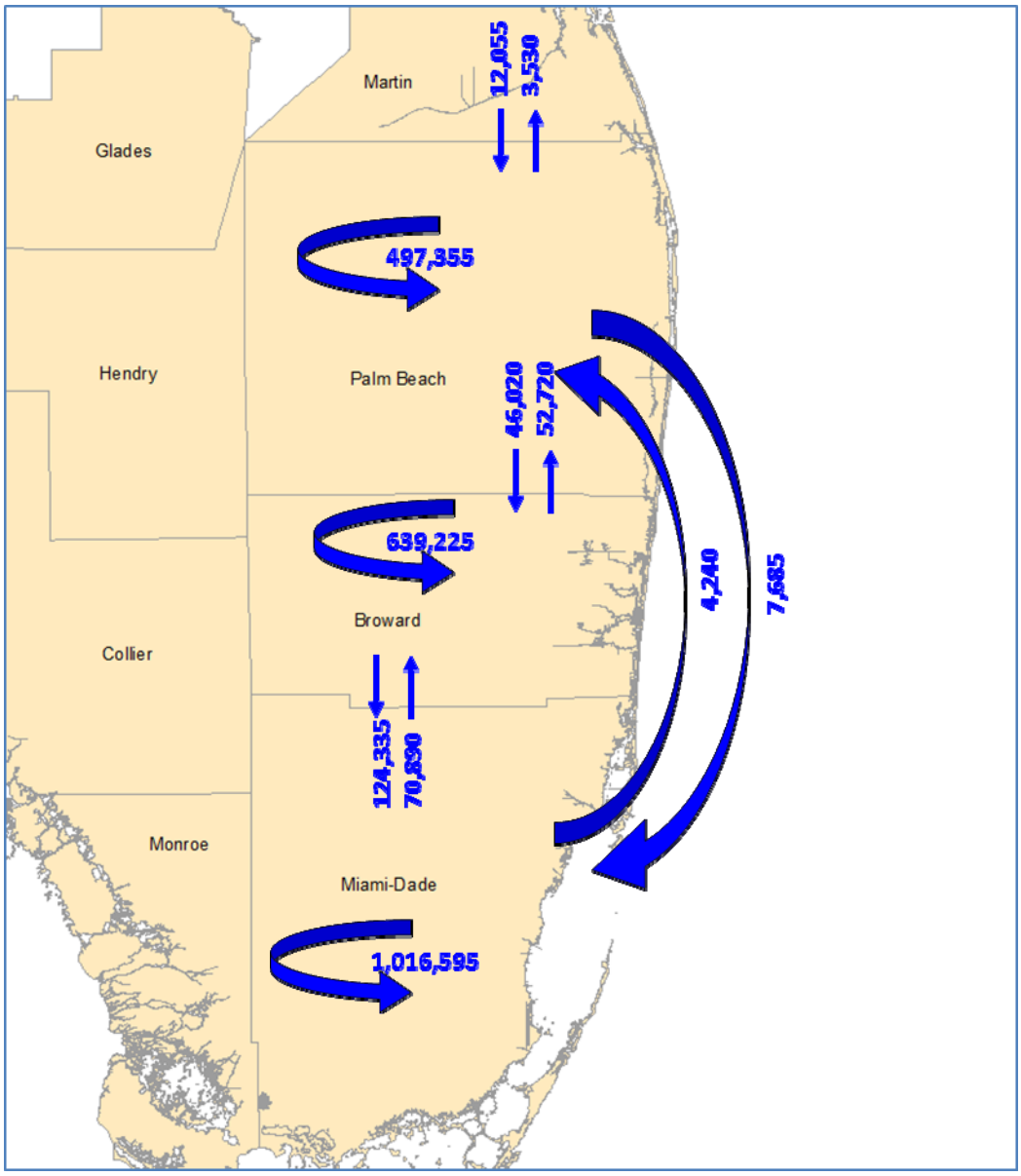

Table 7 South Florida - Commuting Flows by County

Residence	Work Place				Total Residence
	Broward	Martin	Miami-Dade	Palm Beach	
Broward	639,225		124,335	52,720	*816,280*
Martin		38,940		12,055	*50,995*
Miami-Dade	70,890		1,016,595	4,240	*1,091,725*
Palm Beach	46,020	3,530	7,685	497,355	*554,590*
All Other Counties	12,095	19,720	16,290	18,230	*66,335*
Total Work Place	*768,230*	*62,190*	*1,164,905*	*584,600*	*2,579,925*

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2006 – 2010 American Community Survey; Equal Employment Opportunity: Table EEO-ALL02W

Table 8 South Florida - Mode to Work by County (ACS 2006 - 2010)

Mode	Workers Residence								Total	
	Broward		Martin		Miami-Dade		Palm Beach			
	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	829,406	100	58,555	100	1,106,202	100	568,708	100	*2,562,871*	100
Drove alone	662,986	79.9	46,733	79.8	851,100	76.9	447,355	78.7	*2,008,174*	78.4
2-person Carpool	63,825	7.7	4,473	7.6	81,457	7.4	45,337	8.0	*195,092*	7.6
3-or-more-person Carpool	18,215	2.2	1,681	2.9	23,691	2.1	18,098	3.2	*61,685*	2.4
Public Transportation	22,621	2.7	217	0.4	60,698	5.5	8,793	1.5	*92,329*	3.6
Bike	4,428	0.5	645	1.1	4,933	0.4	3,371	0.6	*13,377*	0.5
Walked	10,815	1.3	948	1.6	24,194	2.2	9,636	1.7	*45,593*	1.8
Taxi, Motorcycle and Other means	10,797	1.3	707	1.2	18,569	1.7	8,121	1.4	*38,194*	1.5
Worked at Home	35,719	4.3	3,151	5.4	41,560	3.8	27,997	4.9	*108,427*	4.2
Mean Travel Time to Work (min)	26.8	-	23.5	-	29.5	-	24.7	-	*26*	-

Source: 2006 – 2010 American Community Survey Table B08301