CENTRAL FLORIDA
MPO
ALLIANCE

Regional Indicators

A Report on Transportation System
Indicators for the Central Florida
MPO Alliance

October 2018

www.cfmpoa.org
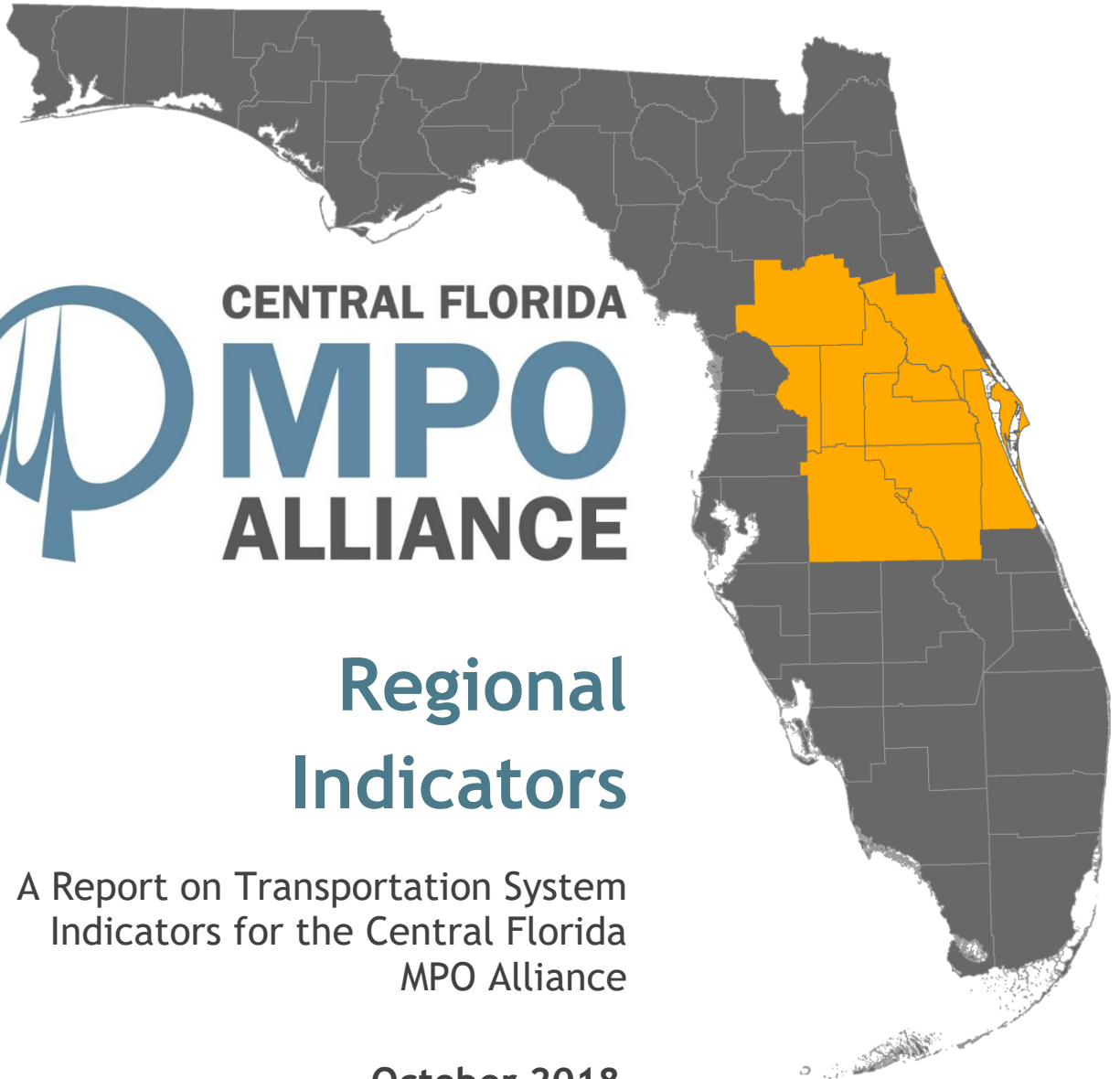
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Executive Summary

Transportation is a critical part of our lives. The quality of life and the economic vitality of our communities depend on an individual's access to work, education, health services and other destinations. The condition of our roads, walkways, transit, runways, and other transportation features directly affects the well-being of our businesses, residents, and visitors alike.

The Central Florida Metropolitan Planning Organization Alliance (CFMPOA) is a coalition of Metropolitan Planning Organizations (MPOs) and Transportation Planning Organizations (TPOs) committed to addressing transportation challenges on a regional basis. The purpose of this report is to provide an overview of the transportation system within the CFMPOA region and how they are affected by conditions such as the economy, population growth, technology, travel behavior, and funding. The goal is to identify key factors and emerging trends that impact Central Florida's transportation needs.

Methodology

This report was prepared by MetroPlan Orlando staff to establish a foundation of data to inform future policy decisions. The Regional Indicators report includes the latest data and information available at the time of publication for the various indicators used to measure transportation system activity over a five-year period. The beginning and ending years may vary for different indicators, depending on the data available.

Data was provided by several local and state agencies, including the Florida Department of Transportation, Florida's Turnpike Enterprise, and the Florida Department of Highway Safety and Motor Vehicles. Additional information was provided by Florida Department of Environmental Protection, the Florida Department of Business and Professional Regulation, and the Florida Department of Revenue.

Local agencies that provided information include the Central Florida Expressway Authority (CFX), Central Florida Regional Transportation Authority (LYNX), LakeExpress, Space Coast Area Transit, Votran, Citrus Connection, Polk County Transit Services, Sun Tran, Greater Orlando Aviation Authority, Sanford Airport Authority, Kissimmee Gateway Airport, Melbourne International Airport, and the Daytona Beach International Airport. The Federal Aviation Administration, Amtrak, the U.S. Census Bureau, the University of Florida's Bureau of Economic and Business Research, the Florida Agency for Workforce Innovation, the Texas Transportation Institute, Space Florida and the Canaveral Port Authority provided additional information.

The CFMPOA would like to express appreciation to all these agencies for their assistance. The material contained in this report may be freely quoted with appropriate acknowledgement.

Key Findings

The 2013-2017 Regional Indicators report identifies several major trends and travel implications for the CFMPOA region. These include a growing and more diversified population; increasing visitor impact; aging infrastructure; concerns with pedestrian and bicyclist safety; and volatile revenues. This Executive Summary outlines the areas addressed in *Regional Indicators* and highlights some key findings.

Demographics

As of 2017, the population of the CFMPOA region had grown to 4,644,993, a 2.1 percent increase over 2016. The State of Florida saw a 6.4 percent increase in population growth from 2013 to 2017, whereas, the CFMPOA region saw an approx. 8 percent increase in population during the same time period. (Chapter 1)

The CFMPOA region continues to see signs of economic recovery. Unemployment rates saw a 16.9 percent decrease from 2016 to 2017. Looking at a five year trend, the region saw a 39.7 percent decrease in unemployment rate from 2013 to 2017.

Visitor Impact

Central Florida's major airports and seaport reported an increase in passenger counts, which reflects healthy tourism in the state. The area airports experienced an 8.2 percent increase in passenger counts from 2015 to 2016. (Chapter 5)

Travel Trends

The region saw a 2.7 percent increase in gasoline consumption in FY 2016/17 from the previous year. This can be attributed to increase in employment levels and increase in registered vehicles. The region also saw an increase in traffic counts for all its major roads. (Chapter 2)

Health and Safety

Safety continues to be a factor that needs improvement in our transportation system. The area continues to experience an increase in vehicular crashes. In 2017, Automobile crashes increased by 6 percent, along with a 2.63 percent increase in pedestrian injuries, and a 5 percent increase in automobile injuries from the previous year. Bicycle injuries and fatalities saw an increase in 2017.

However, the area also has recorded some improvements in safety numbers. Pedestrian fatalities saw a decrease by 2.8 percent; and automobile fatalities remained the same.

The quality of a region's transportation system can have direct effects on air quality which in turn determines quality of health for the populace. In 2015, the federal Environmental Protection Agency (EPA), changed the standard for ozone from 75 parts per billion to 70 parts per billion averaged over any eight hour period. The 2017 eight hour three year average for the CFMPOA region is 62 parts per billion, which designates the region as in attainment for ozone. (Chapter 3)

About Us

The Central Florida Metropolitan Planning Organization (MPO) Alliance is a coalition of transportation and government organizations committed to addressing transportation challenges on a regional basis. The group is made up of representatives from the nine-county Central Florida region.

The Alliance has a policy board of eighteen members, three from each of the six member organizations. Representatives from the Florida Department of Transportation participate as well. The group meets quarterly and operates on the basis of consensus. Staff support is provided by MetroPlan Orlando. The Central Florida MPO Alliance has established goals and is seeking to maximize all opportunities presented by a regional transportation forum.
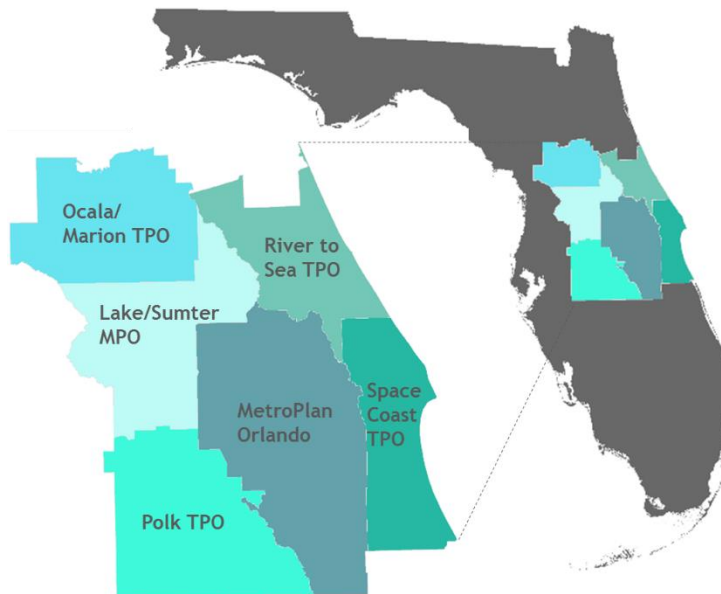
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Chapter 1: Regional Profile

The Central Florida MPO Alliance, which consists of Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia Counties, has continuously grown throughout the years. Historically, the area's economy has largely been centered on the health care and social services, retail trade, and accommodations and food services sectors. The medical and high tech industries have had a strong presence in the area with employers such as Florida Hospital, Adventist Health, Orlando Health, Health First, Halifax Health, Harris Corporation, United Space Alliance, and Lockheed Martin. Other major employers include Wal-Mart and Publix Supermarkets as well as Walt Disney and Universal Studios.

Population

The CFMPOA region saw its highest population growth between 2000 and 2007 with an average 3 percent growth per year. The economic recession slowed growth but the area is still experiencing a 1.5 to 2 percent population growth every year. This table shows population figures for the counties within the CFMPOA region from 2013 through 2017.

Population	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	547,898	552,176	561,714	568,701	575,018
Lake County	302,247	308,679	316,569	323,210	330,656
Marion County	329,442	331,813	341,205	340,354	343,957
Orange County	1,199,627	1,224,849	1,252,396	1,277,418	1,310,575
Osceola County	288,046	295,235	308,327	322,535	337,287
Polk County	610,650	619,860	633,052	643,966	658,517
Seminole County	430,916	436,926	442,903	449,012	454,635
Sumter County	96,354	102,724	115,657	110,283	112,603
Volusia County	497,100	501,901	510,494	515,515	521,745
CFMPOA Region	**4,302,280**	**4,374,163**	**4,482,317**	**4,550,994**	**4,644,993**

Source: University of Florida, *Bureau for Economic and Business Research (BEBR); excludes inmates*

Historic Population Overview for the CFMPOA Region

This graph illustrates the 20-year population trend total for Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia Counties – the CFMPOA region.
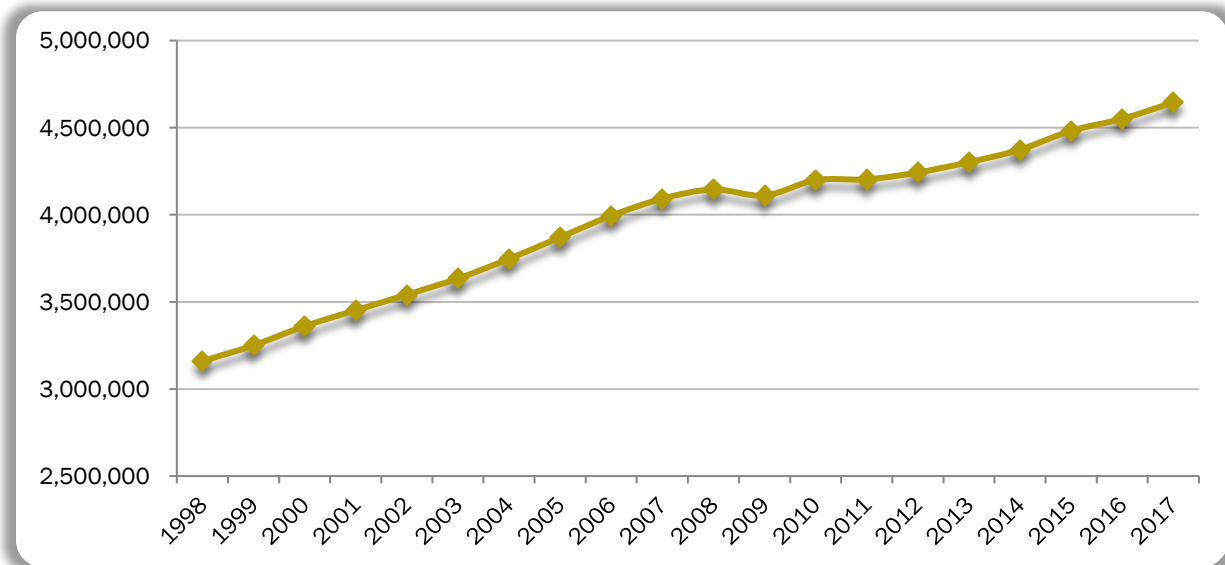
Source: University of Florida, *Bureau for Economic and Business Research (BEBR); excludes inmates*

CFMPOA Area Population by Age Group

This pyramid shows the percentage of males and females by age group for the CFMPOA Area population. For both genders, the population in our area is largely young and middle-aged adults.
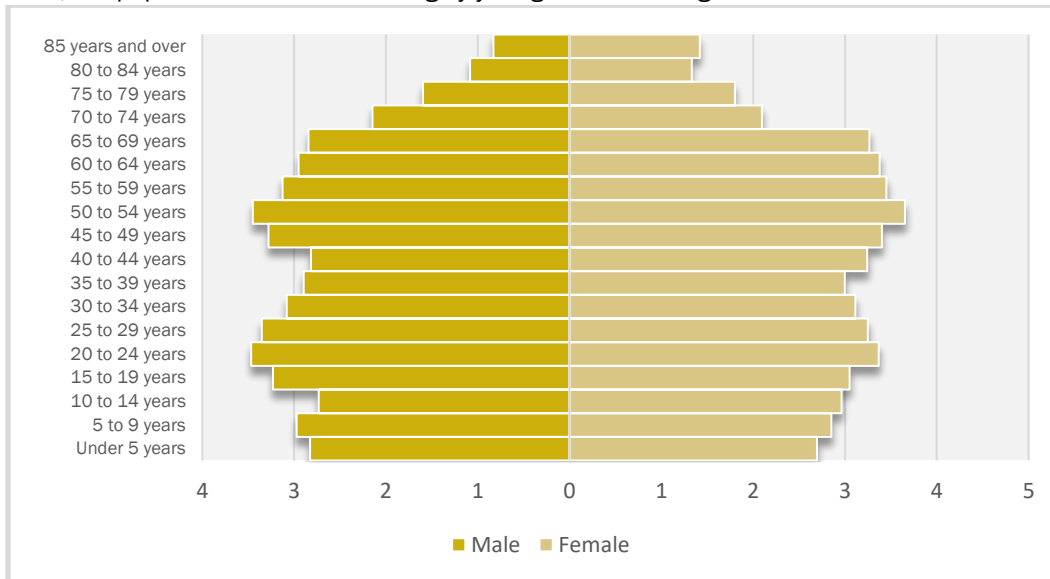

Source: U.S. Census Bureau - American Community Survey, *General Population and Housing Characteristic: 2012-2016*

Employment Levels

Employment rates affect congestion on our roadways. In theory, the higher the employment rate, the more vehicles on the road. This increase may cause congestion and longer travel times. The following tables show the number of employed and unemployed persons living in the CFMPOA area from 2013 through 2017.

Persons Employed	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	237,243	240,053	240,892	248,452	257,365
Lake County	125,448	129,577	132,924	137,432	144,864
Marion County	119,860	122,077	121,631	124,939	126,934
Orange County	618,183	637,418	651,088	674,290	704,715
Osceola County	136,204	142,484	148,075	153,357	162,768
Polk County	255,813	258,599	262,041	268,867	279,944
Seminole County	217,446	222,709	224,808	232,991	241,507
Sumter County	25,021	25,925	26,409	27,187	28,465
Volusia County	216,335	221,705	224,522	233,098	240,636
CFMPOA Region	**1,951,553**	**2,000,547**	**2,032,390**	**2,100,613**	**2,187,198**

Source: Florida Research and Economic Database, Local Area Employment Statistics (LAUS)

Historic Employment Overview for the CFMPOA Region

This graph illustrates the 10-year employment trend total for the CFMPOA region.
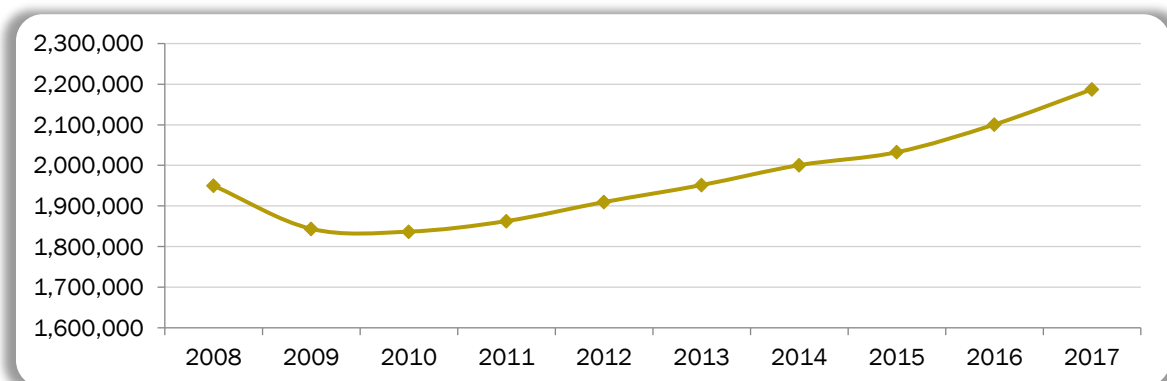
Unemployment

As the impacts of the economic recession wear off, the CFMPOA region saw large decreases in unemployment levels. From 2013 to 2017, the region experienced a 39.7 percent decrease in the unemployment rate. This table shows the unemployment rate in the CFMPOA area from 2013 through 2017:

Unemployment Rate	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	7.9	6.9	5.8	5.2	4.2
Lake County	7.5	6.4	5.3	4.9	4.1
Marion County	8.3	7.3	6.3	5.8	5.0
Orange County	6.8	5.8	4.9	4.4	3.6
Osceola County	7.5	6.7	5.6	5.0	4.2
Polk County	8.2	7.1	6.1	5.6	4.6
Seminole County	6.4	5.6	4.8	4.3	3.6
Sumter County	5.9	7.7	7.1	7.0	6.0
Volusia County	7.3	6.7	5.7	5.1	4.3
CFMPOA Region	**7.3**	**6.7**	**5.7**	**5.3**	**4.4**

Source: Florida Research and Economic Database, *Local Area Employment Statistics (LAUS)*

Hotel / Motel Rooms

Both leisure and business/convention travel are important components of the region's economy. As a result, there are a large number and variety of hotels and motels. This table shows the number of hotel/motel rooms in the CFMPOA region from 2013 through 2017:

Room Capacity	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Brevard County	9,312	9,277	9,195	9,335	9,318
Lake County	2,995	2,995	2,731	2,752	2,613
Marion County	4,055	4,042	4,038	4,049	4,073
Orange County	86,571	87,662	87,717	89,333	90,516
Osceola County	25,115	24,435	24,155	24,365	24,453
Polk County	6,931	7,036	7,264	7,296	7,662
Seminole County	4,989	5,226	5,054	4,637	4,679
Sumter County	770	770	770	763	766
Volusia County	11,755	11,840	11,748	11,441	11,174
CFMPOA Region	**152,493**	**153,283**	**152,672**	**153,971**	**155,254**

Source: FL Department of Business and Professional Regulation, *Count of Active Licenses and Seats/Units by Type and FL County; excludes Transient/ Non-transient apartments, Bed & Breakfast and Vacation Rentals*

Licensed Drivers

The number of licensed drivers in the area is another indicator of traffic congestion levels. This table shows how many licensed drivers were in the CFMPOA region from 2013 through 2017:

Licensed Drivers	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	455,380	455,253	461,360	470,953	482,146
Lake County	249,442	248,163	255,122	265,217	276,107
Marion County	273,572	274,496	276,640	281,386	287,920
Orange County	893,288	908,946	928,131	962,251	997,848
Osceola County	233,733	237,620	245,503	258,873	274,531
Polk County	444,664	448,811	456,056	470,067	488,491
Seminole County	341,747	341,427	346,574	354,353	361,587
Sumter County	81,456	84,735	89,202	93,455	97,312
Volusia County	402,340	402,025	406,686	415,075	426,112
CFMPOA Region	**3,375,622**	**3,401,476**	**3,465,274**	**3,571,630**	**3,692,054**

Source: Florida Department of Highway Safety and Motor Vehicle, *Vehicle and Vessel Reports and Statistics*

Registered Vehicles

Another indicator that can be used to measure traffic congestion is the change in the number of vehicles on the road. The following table illustrates the number of registered motor vehicles in the CFMPOA region from FY 2013 through FY 2017:

Registered Vehicles	2012/13	2013/14	2014/15	2015/16	2016/17
Brevard County	466,949	472,676	485,603	499,872	513,155
Lake County	251,548	256,587	269,025	281,119	292,073
Marion County	270,027	281,690	279,993	288,370	296,679
Orange County	1,064,468	1,137,457	1,206,787	1,101,998	1,142,581
Osceola County	211,717	220,068	234,599	250,928	263,816
Polk County	446,088	460,544	470,128	490,066	506,537
Seminole County	335,248	340,961	349,679	358,428	367,613
Sumter County	73,728	79,631	84,068	85,034	92,233
Volusia County	415,822	423,482	435,638	451,148	465,063
CFMPOA Region	**3,535,595**	**3,673,096**	**3,815,520**	**3,806,963**	**3,939,750**

Source: Florida Department of Highway Safety and Motor Vehicle, *Vehicle and Vessel Reports and Statistics*

Historic Comparison: Licensed Drivers and Registered Vehicles for the CFMPOA Region

This graph illustrates the 10-year comparison of licensed drivers and registered vehicles for Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia Counties – the CFMPOA region.
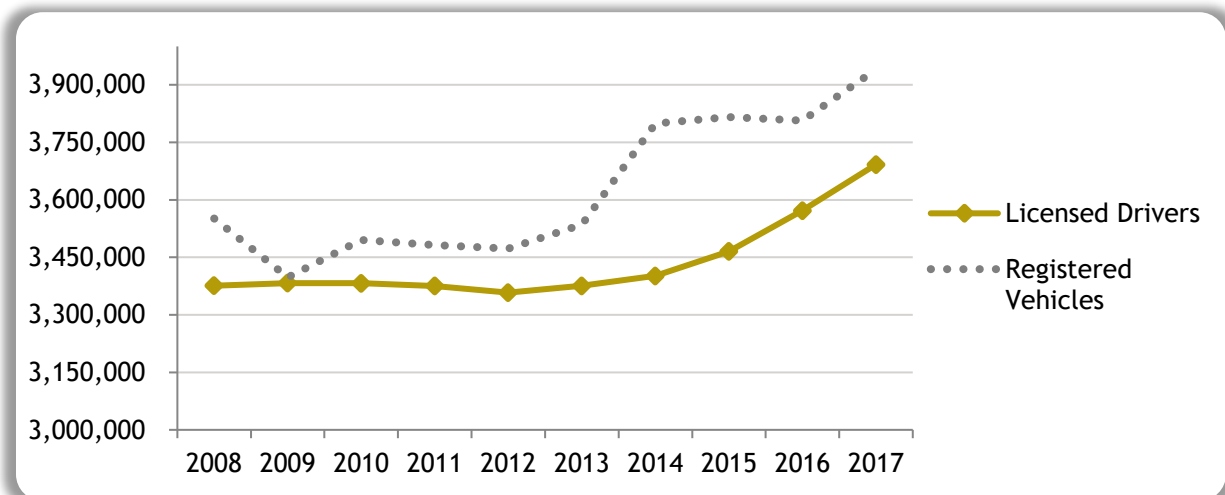
Source: Florida Department of Highway Safety and Motor Vehicle, *Vehicle and Vessel Reports and Statistics*

Chapter 2: Highway Statistics

Due to the region's steady population growth and development patterns in the past few decades, the private (and in many cases the single-occupant) automobile is the predominant mode of transportation. Several factors -- including time-of-day, travel demand, and multi-year construction delays -- have led to increased congestion throughout the CFMPOA region.

Local Road Mileage (Paved Centerline Miles)

Centerline miles represent the total length of a given road from its starting point to its end point regardless of the pavement width or number of lanes. This table shows the change in the number of miles of paved local roads in the CFMPOA region over the 2013-2017 timeframe. The numbers in the table reflect the centerline miles of paved roads, this information is collected annually from local governments by FDOT.

Local Road Mileage	2013	2014	2015	2016	2017
Brevard County	2,887.1	2,892.3	2,959.4	2,981.9	2,978.9
Lake County	1,975.6	1,986.4	1,945.1	1,954.8	1,966.3
Marion County	3,028.6	3,049.0	3,051.3	3,149.2	3,155.1
Orange County	4,001.3	4,031.4	4,086.5	4,103.5	4,166.5
Osceola County	1,176.1	1,190.6	1,213.4	1,240.8	1,262.6
Polk County	3,625.3	3,621.9	3,626.5	3,661.4	3,700.1
Seminole County	1,486.0	1,496.4	1,495.7	1,498.3	1,506.7
Sumter County	827.0	856.5	907.6	923.1	966.3
Volusia County	2,868.0	2,866.0	2,902.3	2,855.0	2,866.2
CFMPOA Region	**21,875.0**	**21,990.5**	**22,187.8**	**22,368.0**	**22,568.7**

Source: Florida Department of Transportation, *Florida Highway Mileage Reports - City and County Roads*

State Road Mileage (Lane Miles)

Another indicator of the change in the amount of travel for the MPOs and TPOs in the CFMPOA region is the corresponding change in roadway lane mileage. Lane miles are calculated by multiplying the centerline mileage of a road by the number of lanes it has. Lane mileage provides the total amount of mileage covered by lanes belonging to a specific road. The lane miles of state roads in Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia Counties -- from 2012 through 2016-- are shown in the tables below. These have been divided into interstate facilities (such as I-4, I-75, and I-95); toll roads (such as SR 417, SR 528, and Florida's Turnpike); and other state roads (such as SR 50, SR 46, and SR 436).

MetroPlan Orlando	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	311.6	311.6	311.6	311.6	310.9
Toll Roads	1,090.9	1,113.6	1,114.9	1,122.8	1,124.8
Other State Roads	1,764.6	1,768.4	1,779.7	1,783.5	1,784.8
Total	3,167.1	3,193.6	3,206.2	3,217.9	3,220.5

Lake-Sumter MPO	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	130.4	130.4	130.4	130.4	130.4
Toll Roads	138.6	138.6	138.6	138.6	147.0
Other State Roads	903.0	903.0	904.9	906.0	906.0
Total	1,172.0	1,172.0	1,173.9	1,175.0	1,183.4

Space Coast TPO	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	355.6	355.6	384.8	409.9	436.2
Toll Roads	53.0	53.0	52.9	52.9	52.9
Other State Roads	903.0	902.7	901.9	901.4	905.3
Total	1,311.6	1,311.3	1,339.6	1,364.2	1,394.4

River to Sea TPO	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	359.6	359.0	359.0	359.0	393.1
Toll Roads	-	-	-	-	-
Other State Roads	966.0	966.0	965.1	974.4	979.3
Total	1,325.6	1,325.0	1,324.1	1,333.4	1,372.4

Note: River to Sea TPO lane mileage does not include roadway portions in Flagler Beach or Beverly Beach

Polk TPO	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	195.4	194.4	195.4	195.4	195.3
Toll Roads	93.9	92.7	92.7	92.7	92.7
Other State Roads	1,347.7	1,357.1	1,359.0	1,371.4	1,369.6
Total	1,637.0	1,644.2	1,647.1	1,659.5	1,657.6

Ocala / Marion Co. TPO	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	229.7	229.7	229.7	229.7	229.7
Toll Roads	-	-	-	-	-
Other State Roads	697.4	697.4	697.4	697.4	705.0
Total	927.1	927.1	927.1	927.1	934.7

CFMPOA Region Total	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Interstate	1,581.7	1,580.7	1,610.9	1,636.0	1,695.6
Toll Roads	1,376.1	1,397.9	1,399.1	1,407.0	1,417.4
Other State Roads	6,581.7	6,594.6	6,608.0	6,634.1	6,650.0
Total	9,539.5	9,573.2	9,618.0	9,677.1	9,763.0

Source: Florida Department of Transportation, *Mileage and Travel (DVMT) Reports - State Highway System*

Vehicle Miles Traveled

The number of vehicle miles traveled (VMT) on the highway network is an indicator that measures the growth in both the number of vehicles and the distances driven in the CFMPOA region. FDOT annually estimates the VMT for all counties in the state by multiplying the lengths of the state and local roads in the counties by the average daily trips on those roads. This table and graph illustrate the average daily VMTs in the CFMPOA region from 2013 through 2017:

Vehicle Miles Travel	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	16,017,753	16,553,776	16,837,032	17,940,904	18,579,865
Lake County	8,008,896	8,751,068	9,220,676	9,609,288	9,964,456
Marion County	10,916,673	11,321,429	11,642,713	12,204,166	12,362,760
Orange County	34,904,854	36,389,540	37,201,259	39,723,296	41,752,084
Osceola County	8,951,705	10,034,811	10,394,277	10,803,720	10,927,880
Polk County	15,874,681	18,473,136	19,310,267	20,096,190	20,560,378
Seminole County	10,122,136	10,338,424	10,652,035	11,010,832	11,417,642
Sumter County	3,721,484	4,034,615	4,303,019	4,641,039	4,823,335
Volusia County	14,872,278	15,194,907	15,688,513	16,280,142	16,345,975
CFMPOA Region	**123,390,460**	**131,091,706**	**135,249,791**	**142,309,577**	**146,734,375**

Source: Florida Department of Transportation, *Centerline Miles and Daily Vehicle Miles Traveled Report*

10-Year Historic Trend - Vehicle Miles Traveled per capita

This graph illustrates the 10-year VMT per capita trend total for Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia Counties – the CFMPOA region.
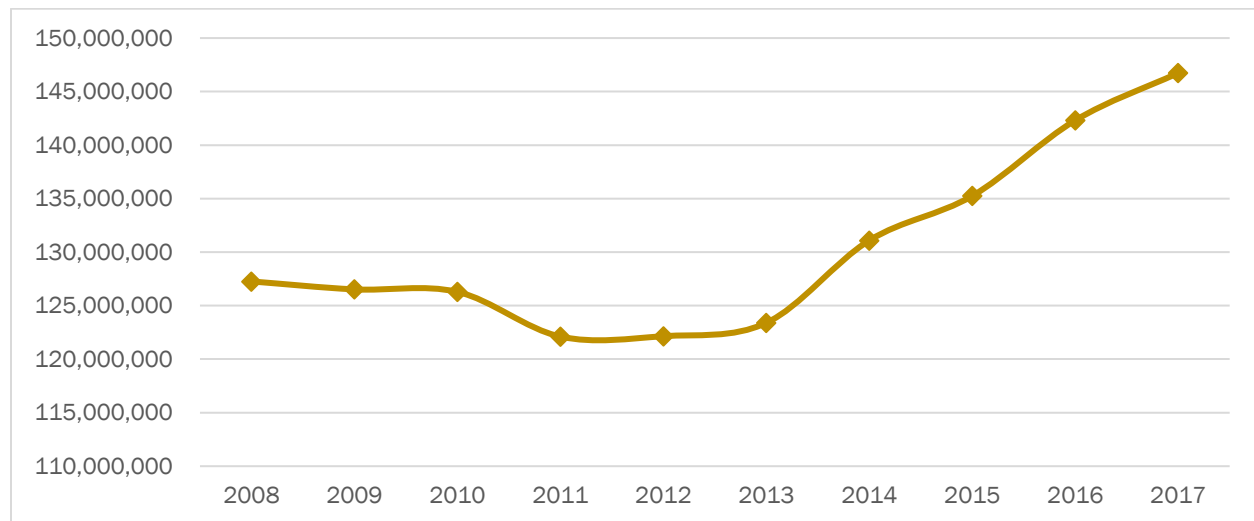
Traffic Counts – Major Roadways

One of the main methods for measuring activity on an area's highway system is the collection of traffic counts on major roadways. More than 400 traffic counts for various locations in Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia counties are obtained each year by the Florida Department of Transportation.

The tables shown on pages 11-16 contain FDOT daily (24-hour) traffic counts averaged annually on major roadways in the region from 2013 through 2017:

Site No.	Interstate 95	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
700134	S of SR 514	35,000	39,614	40,653	42,764	45,328
700428	S of CR 516	31,500	55,000	59,500	64,500	61,500
700371	N of CR 516	65,000	67,500	72,000	81,500	78,000
700372	N of SR 500	39,500	41,000	43,500	68,500	72,500
700415	N of SR 518	7,600	76,500	81,000	82,500	87,500
700388	S of Fiske Blvd.	55,000	57,000	60,500	68,000	72,500
700365	S of SR 520	47,500	49,500	52,500	73,000	78,000
700401	S of SR 407	37,000	38,500	42,000	45,000	52,500
700363	N of Dairy Rd.	40,000	38,500	34,000	39,500	43,500
700436	N of CR 5A	26,500	27,000	36,000	29,000	29,000
790503	S of SR 44	32,500	35,000	36,000	46,500	41,500
790133	N of SR 44	36,601	37,725	37,006	40,654	23,265
790492	S of I-4	45,000	46,500	47,500	49,500	51,500
790494	S of LPGA Blvd.	71,500	75,500	77,000	66,500	62,500
790534	N of LPGA Blvd.	70,000	74,000	77,000	85,000	87,000
790495	S of SR 5	63,500	64,500	66,000	50,500	47,500
790496	N of SR 5	69,500	70,500	72,500	66,000	62,000

Site No.	Interstate 4	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
100104	Btwn Orient Rd and US 30	113,000	116,000	119,500	125,000	129,000
160117	NE of W. Memorial Blvd.	81,000	88,500	98,000	103,500	104,000
160116	NE of SR 539/Kathleen Rd	79,000	87,500	96,500	102,000	103,000
160115	NE of US 98	75,500	82,500	88,500	96,000	95,500
160114	NE of Old Combee Rd.	69,500	73,500	79,000	88,500	87,000
160113	E of SR 33	66,000	73,500	79,000	86,000	85,000
169951	W of SR 559	80,554	83,842	91,879	96,693	97,918
160108	SW of US 27	75,500	84,500	84,000	96,500	101,500
160111	NE of US 27	105,500	110,500	110,500	126,000	131,000
920316	E of World Dr	60,500	95,000	93,000	91,000	92,500
753007	at Florida's Turnpike	167,500	157,500	168,000	170,000	172,000
753027	SW of SR-408	138,500	139,500	142,500	120,500	127,000
753051	S of SR 50	143,500	144,500	147,500	138,500	145,500
753056	SW of Princeton St.	183,000	184,500	188,000	159,500	168,000
753074	NE of SR 423	180,000	181,500	185,000	157,000	165,500
753080	NE of SR 414	155,500	155,000	159,000	160,000	168,500
770267	SW of SR 434	140,000	141,000	142,000	130,000	137,000
770343	E of SR 434	134,202	136,609	140,994	143,170	148,000
770268	SW of CR 46A	123,500	135,500	139,500	139,500	146,000
770266	E of SR 46	107,500	114,500	125,500	128,500	137,500
799906	E of Enterprise Rd.	96,379	99,777	106,507	-	-
791003	SW of SR 472	88,500	89,500	92,500	90,000	92,000
790485	NE of SR 472	77,000	78,000	80,500	71,000	72,500
790497	SW of SR 44	60,500	65,500	71,500	74,500	77,000
790486	NE of SR 44	55,000	56,000	57,000	58,000	65,500
790491	W of I-95	40,000	41,000	41,500	42,000	46,000

Site No.	SR 528	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
970533	E of I-4	75,000	77,000	83,000	87,800	89,600
970610	W of John Young Pkwy	76,000	79,000	86,000	91,800	93,700
970534	E of US 441	66,000	70,000	77,000	84,800	89,800
970625	E of McCoy Rd.	81,000	83,000	91,000	99,400	101,200
750510	W of SR 436	83,500	81,000	82,500	62,000	63,500
750204	W of Goldenrod Rd.	65,836	69,626	77,203	83,454	89,199
750512	E of Narcoossee Rd.	56,500	59,500	63,500	70,500	77,500
750618	E of SR 417	45,500	53,000	56,500	61,500	67,500
750336	W of SR 520	39,111	41,418	45,937	49,504	51,210
970398	E of St. Johns River	33,000	41,418	21,000	46,000	47,000
970401	E of I-95	-	-	14,200	33,000	33,000
700377	W of US 1	36,000	40,000	40,000	40,000	42,500

Site No.	US 192	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
110470	E of US 27	43,500	43,500	52,000	51,000	56,000
920291	W of CR 545	51,500	53,000	49,500	45,000	61,000
921000	W of Orange County Line	64,500	56,000	57,500	59,500	72,000
920311	W of I-4	59,500	54,500	59,500	64,000	67,500
920313	SE of SR 535	52,000	52,000	52,500	48,000	51,000
920265	W of Hoagland Blvd.	59,966	60,836	63,154	63,949	65,402
925015	W of John Young Pkwy.	42,500	42,500	43,500	44,500	43,000
925017	E of US 441	44,500	41,000	44,500	54,000	48,500
927046	SE of Boggy Creek Rd.	26,500	26,500	27,500	33,000	34,500
920105	NW of Neptune Rd.	40,000	41,000	45,000	45,000	47,000
925021	E of Vermont Ave.	38,000	37,500	41,000	40,500	42,500
920032	NW of CR 534	38,000	40,000	36,500	37,500	39,500
920302	E of CR 532	17,800	18,100	18,800	21,000	22,000
700090	W of I-95	6,600	7,000	8,100	8,800	9,300
700381	E of I-95	28,000	28,000	30,000	33,500	35,500
700024	W of Dairy Rd	30,000	31,000	30,000	31,500	33,500
705205	W of US 1	16,000	16,700	16,900	18,000	18,500

Site No.	SR 46	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
110501	W of Round Lake Rd.	10,200	11,100	11,800	11,400	11,400
110001	E of CR 437 South	19,700	14,600	12,900	-	-
111019	E of CR 437 North	14,300	16,600	16,500	15,900	17,400
770074	E of Lake Co. Line	19,500	21,000	23,000	24,000	27,000
770287	W of I-4	28,500	28,000	30,500	30,500	28,000
770288	E of I-4	27,500	29,500	31,000	29,500	31,000
770103	W of Airport Blvd. / C	25,000	27,500	30,000	30,000	30,000
775050	W of US 17/92	17,400	18,600	17,400	21,900	17,800
775041	E of US 17/92	17,000	20,200	17,100	18,000	21,500
775038	E of CR-425	20,600	21,500	20,700	24,000	24,500
770299	W of St. Johns River	10,522	10,628	11,215	12,392	12,952
770168	E of CR 426	6,000	6,200	7,100	7,400	7,000
700416	2.5 mi. W of I-95	5,600	5,300	7,100	5,900	7,400
700002	E of I-95	7,700	9,200	9,200	9,400	9,700

Site No	Florida's Turnpike	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
972210	SE of I-75	33,000	33,000	37,000	40,400	43,500
979931	S of CR 468	37,893	39,798	43,427	45,903	47,836
972200	NW of Lake Co. Line	35,000	36,000	40,000	44,200	47,300
972160	N of Palatlakaha River	36,000	37,000	40,000	45,300	48,300
972006	at Leesburg Service Plaza	31,000	32,000	35,000	39,600	42,300
970428	S of CR 561	41,962	44,237	48,649	51,735	55,230
972004	S of SR 50	66,000	68,000	78,700	86,000	95,900
972003	Btw CR 545 & Fourth St U	57,000	58,000	67,200	73,600	81,700
972020	Btw SR 408 & Maguire Rd	95,000	97,000	112,000	127,600	138,300
970505	at Turkey Lake Service P	78,000	81,000	90,000	107,000	119,000
972015	N of SR 528	71,000	73,000	83,100	96,100	103,800
972001	N of of Osceola Pkwy.	53,000	56,000	64,000	71,600	79,900
972000	S of US 441	46,000	49,000	55,000	60,400	65,400
972110	at Partin Settlement Rd.	31,000	34,000	38,000	41,600	45,400
970429	S of Neptune Rd.	35,797	38,254	41,226	43,157	45,500
972108	S of 3 Lakes Toll Plaza	27,000	29,000	32,000	33,000	34,000

Site No.	SR 50	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
180204	at CR 478A	5,300	5,200	5,700	6,000	6,100
180021	W of SR 471	5,600	5,800	6,100	6,500	6,500
180017	W of Lake Co. Line	7,300	7,200	8,200	7,900	9,400
110319	W of CR 565	19,000	11,500	23,500	11,900	14,000
110241	E of CR 565	19,000	19,100	22,000	22,000	23,000
115076	E of SR 19	11,500	8,200	12,000	14,000	14,000
115134	W of CR 565A	22,000	23,500	27,500	24,500	26,500
110396	W of CR 561	23,500	23,000	27,000	27,000	29,000
115057	E of CR 561	25,500	27,500	34,000	32,500	40,000
115050	W of US 27	27,500	40,000	40,500	44,500	46,500
110300	E of Hancock Rd.	54,000	51,500	60,500	61,500	64,000
750572	E of Lake Co. Line	42,000	43,500	48,500	54,000	56,000
750038	E of CR 545	32,618	33,993	35,543	36,838	38,668
750304	E of Bluford Ave	36,000	35,500	37,500	38,500	39,500
750354	E of Powers Dr.	36,500	38,500	41,500	44,500	42,500
755174	E of John Young Pkwy.	32,000	31,500	36,500	35,000	36,000
755162	E of US 441	35,500	35,500	35,000	38,000	39,000
750546	W of US 17/92	45,500	48,000	31,000	33,000	44,500
750444	W of SR 436	60,500	62,500	64,500	67,000	68,000
750226	E of SR 436	50,000	49,500	54,000	58,000	50,500
750037	E of Goldenrod Rd.	49,500	48,500	52,000	49,500	50,500
750115	E of Dean Rd.	47,500	48,000	49,000	50,000	50,500
750605	E of Alafaya Tr.	49,500	49,500	50,500	51,500	50,000
750104	W of SR 520	25,276	25,371	25,802	26,505	28,204
700383	W of I-95	10,200	10,300	10,300	10,800	11,400
700373	E of I-95	20,000	20,100	21,500	22,000	24,000
705137	W of US 1	14,200	13,400	14,000	14,500	16,200

Site No.	Interstate 75	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
180208	S of CR 476B	36,000	36,500	38,500	41,500	44,500
180194	S of SR 48	35,000	36,000	38,000	41,000	44,000
189920	S of Florida's Turnpike	40,900	42,323	44,301	46,500	49,000
180186	S of SR 44	60,000	61,500	67,000	68,000	73,500
180188	N of SR 44	64,000	66,500	75,500	72,500	78,000
360317	N of Williams Rd.	77,544	80,753	87,000	90,745	94,509
360440	S of SR 40	69,000	65,000	59,000	74,500	78,500
360439	S of US 27	63,500	69,000	69,500	88,500	75,000
360438	N of US 27	61,500	62,500	65,500	68,000	76,000
360437	N of SR 326	52,500	50,500	47,500	50,500	56,500
360436	N of CR 318	60,500	56,000	51,500	54,500	57,000

Site no.	US 17 / 92	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
160026	E of CR 555	28,000	28,500	30,000	33,000	32,500
165062	N of CR 557	16,300	16,700	18,800	19,000	20,000
160035	W of Kentucky Ave.	19,800	20,500	22,000	23,000	25,000
165056	W of 9th St. (Haines City)	22,000	23,000	25,000	25,500	25,500
165059	N of CR 580/Johnson Ave.	11,600	11,800	13,300	14,700	14,700
160043	SW of CR 547	9,800	10,000	11,500	12,200	12,900
160125	NE of CR 54	7,400	7,600	9,100	9,700	11,700
921002	W CR-531	27,000	28,500	27,500	29,000	29,000
920003	S of Emmett St.	54,000	54,500	53,500	49,000	51,500
755051	N of SR 50	25,500	26,000	28,500	31,500	29,500
755058	S of Orange Ave.	26,000	26,000	26,000	26,500	27,500
755061	S of Lee Rd.	29,500	31,500	29,000	33,000	32,500
755129	N of CR-438A	52,000	51,500	46,500	49,000	50,500
750446	S of SR414	30,500	29,000	30,500	33,000	34,500
770018	NE of Orange Co. Line	47,500	24,500	28,500	26,500	29,000
770152	N of SR 436	50,500	50,000	46,000	54,500	56,500
770273	NE of SR 434	37,000	36,500	37,500	35,000	37,500
770009	N of Gen Hutchinson Pkwy	31,000	32,000	30,500	32,000	33,000
770104	S of Lake Mary Blvd.	36,500	34,500	37,000	35,500	36,500
775057	N of SR 46	26,000	28,000	29,000	27,500	27,500
770245	SW of SR 46	23,000	23,000	26,000	25,000	24,000
790101	S of Dirksen Rd.	23,000	24,000	23,000	28,500	28,000
790509	S of Saxon Blvd.	26,000	25,500	27,500	30,500	29,500
795165	S of Graves Ave.	29,000	27,500	28,500	31,000	32,000
790445	S of New York Ave.	27,000	25,000	28,000	29,000	30,000
791004	N of Golf Club Dr.	45,000	42,000	44,000	47,000	47,500
791006	N of SR 15A/Taylor Rd.	27,000	27,500	23,500	33,500	30,000
795173	N of Beresford Ave.	16,000	16,400	17,000	16,300	18,500
795004	S of SR 44/New York Ave.	16,300	14,800	15,400	17,200	17,800
795008	N of SR 44	16,300	15,500	16,100	18,200	16,200
790066	S of US-92	20,500	21,000	22,000	23,000	21,500

Source: Florida Department of Transportation, *AADT Report*
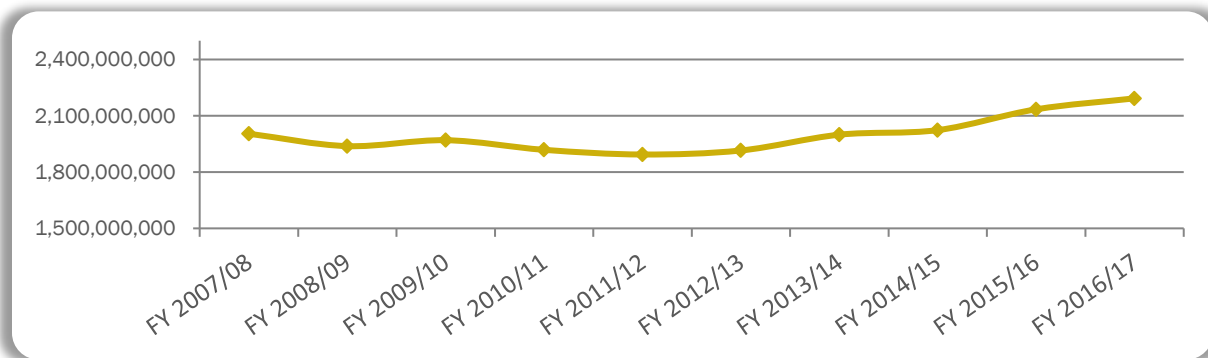
Gasoline Consumption

Consumption of gasoline over a period of years indicates changes in the number of vehicles and amount of travel in the CFMPOA area. The region saw a 2.7 percent increase in gasoline consumption in FY 2016/17 from the previous year which can be attributed to increase in employment levels. This table illustrates gallons of gasoline sold in the region from FY 2012/13 to FY 2016/17.

Gasoline Consum	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Brevard County	234,444,633	233,120,449	235,247,029	251,459,738	259,014,856
Lake County	126,627,485	130,199,651	133,890,649	141,213,679	143,875,036
Marion County	156,241,806	155,830,142	161,957,536	169,321,038	173,252,447
Orange County	572,347,179	621,851,038	621,699,131	653,000,134	675,785,007
Osceola County	167,794,447	179,291,995	170,377,880	180,641,481	179,475,330
Polk County	219,855,408	226,832,841	239,816,327	254,537,450	262,550,929
Seminole County	181,886,180	191,391,290	193,198,662	200,694,346	206,503,106
Sumter County	50,751,770	55,216,199	56,585,931	58,166,338	60,267,062
Volusia County	205,172,217	205,432,394	210,816,087	225,353,143	232,104,685
CFMPOA Region	1,915,121,126	1,999,165,997	2,023,589,232	2,134,387,347	2,192,828,458

*Source:* Florida Department of Revenue, *Fuel Tax Distributions*

10-Year Historic Trend – Gasoline Consumption

This graph illustrates the 10-year gasoline consumption trend total for Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia counties – the CFMPOA region.

Average Monthly Gasoline Price per Gallon

One factor that influences the amount of gasoline consumed is the price per gallon. The average monthly price per gallon for regular gasoline in the CFMPOA region from 2015 through 2017 is shown in the following chart.
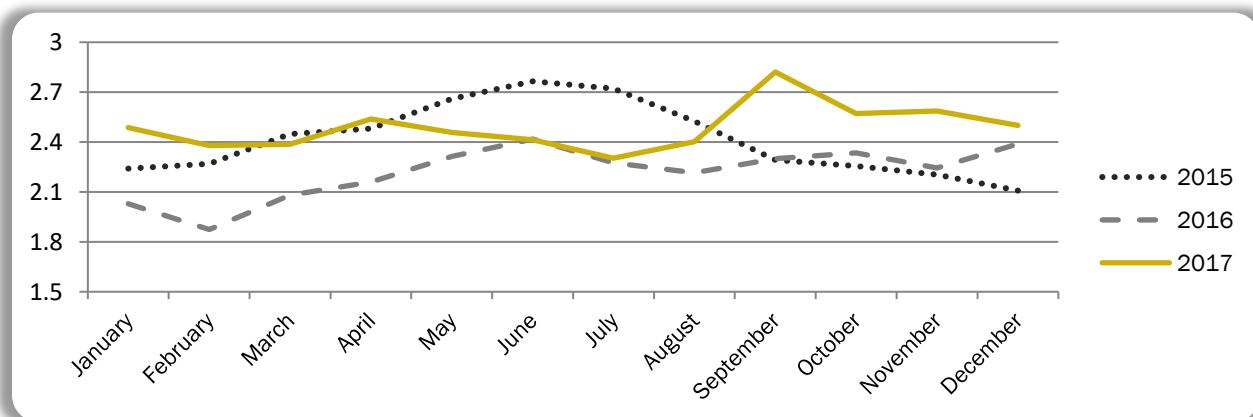
Source: U.S. Energy Information Administration, *Florida Regular Gasoline Retail Prices Report*
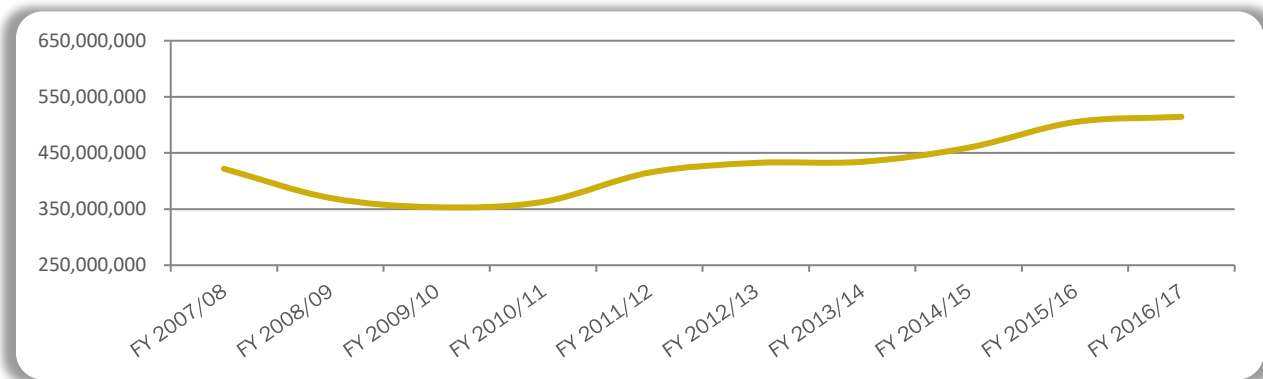
Diesel Fuel Consumption

Consumption of diesel fuel over a period of years also indicates change in the number of vehicles, particularly commercial trucks, in the CFMPOA area. This chart shows the number of gallons of diesel fuel sold in the region from FY 2012/13 through FY 2016/17.

Diesel Consumpti	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Brevard County	115,596,498	111,698,276	127,886,050	149,535,894	137,871,185
Lake County	15,600,579	15,833,882	16,542,996	18,104,430	18,547,909
Marion County	41,169,572	42,119,505	42,060,748	44,111,646	48,381,187
Orange County	102,650,906	103,983,715	108,004,822	116,379,544	121,846,733
Osceola County	13,954,837	14,233,961	14,685,140	16,202,994	16,947,563
Polk County	72,678,849	73,987,241	75,871,564	81,121,556	86,266,326
Seminole County	17,544,973	17,990,174	19,045,947	20,694,739	21,504,735
Sumter County	28,734,437	29,731,608	29,539,087	30,483,600	33,432,524
Volusia County	24,369,617	24,776,091	25,903,870	28,446,906	29,592,017
CFMPOA Region	432,300,267	434,354,453	459,540,225	505,081,309	514,390,179

Source: Florida Department of Agriculture and Consumer Services, *Florida Motor Gasoline & Diesel Fuel Reports*

10-Year Historic Trend – Diesel Consumption

This graph illustrates the 10-year diesel consumption trend total for Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia counties – the CFMPOA region.

Average Monthly Diesel Price per Gallon

One factor that influences the amount of diesel fuel consumed is the price per gallon. The average monthly price per gallon for diesel in the CFMPOA region from 2015 through 2017 is shown in the following chart.
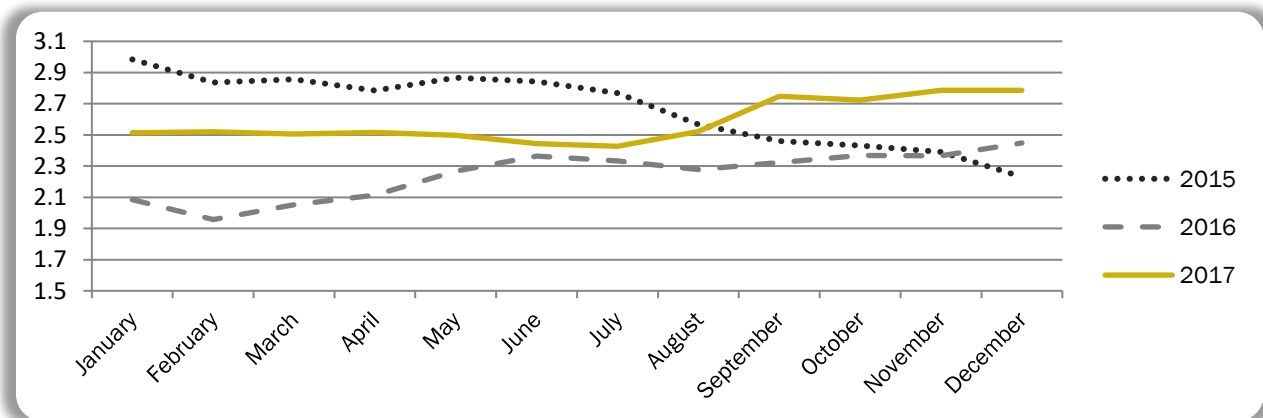
Source: U.S. Energy Information Administration, *Lower Atlantic Diesel Retail Prices Report*

Chapter 3: Health and Safety Statistics

Land-use planning, including transportation decisions, affects human health by influencing a wide range of environmental, physical, and social factors. Although the positive effects of mobility on health are substantial, the negative effects are also profound and costly. This chapter analyzes the safety statistics for motorists, pedestrians, and cyclists along with the CO_2 emissions produced by our transportation network.

Automobile Safety Statistics

In 2009, MetroPlan Orlando developed an online Geographic Information System (GIS) based crash database to provide its regional partners with an accessible crash analysis and reporting tool. This tool provides current crash and streets data, and it is being used by several law enforcement, traffic engineering, transportation planning agencies, and research institutions across the state. These tables show changes in the total number of auto occupant crashes, injuries and fatalities for each of the nine counties from 2013 through 2017.

Automobile Crash	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	7,375	7,892	8,671	8,953	9,290
Lake County	3,912	4,257	4,343	4,545	4,839
Marion County	4,286	4,886	5,559	6,059	6,571
Orange County	27,469	32,878	32,983	31,005	31,601
Osceola County	3,916	4,533	5,748	7,637	7,949
Polk County	12,381	14,162	14,283	14,421	16,395
Seminole County	10,405	11,426	12,401	12,341	13,567
Sumter County	724	1,102	1,101	1,162	1,442
Volusia County	7,636	8,137	8,513	8,754	9,264
CFMPOA Total	**78,104**	**89,273**	**93,602**	**94,877**	**100,918**

Automobile Injury	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	4,670	5,000	5,832	6,264	6,118
Lake County	2,390	2,480	3,012	3,293	3,459
Marion County	2,930	3,386	3,800	3,946	4,824
Orange County	15,251	17,037	18,881	19,520	20,080
Osceola County	3,068	3,680	5,256	5,002	5,192
Polk County	5,440	6,447	6,879	6,480	7,045
Seminole County	3,706	4,121	4,441	4,361	4,345
Sumter County	491	732	799	889	935
Volusia County	4,734	4,753	5,309	5,410	5,981
CFMPOA Total	**42,680**	**47,636**	**54,209**	**55,165**	**57,979**

Source: Florida Department of Highway Safety and Motor Vehicles & MetroPlan Orlando Web-Based Crash Database; includes only Long form crashes

Automobile Fatality	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	55	43	67	76	71
Lake County	36	30	46	43	41
Marion County	39	46	56	56	69
Orange County	85	99	100	119	124
Osceola County	35	32	35	33	38
Polk County	78	90	93	112	94
Seminole County	29	26	35	32	33
Sumter County	14	19	15	18	22
Volusia County	69	63	72	102	99
CFMPOA Total	440	448	519	591	591

Source: Florida Department of Highway Safety and Motor Vehicles & MetroPlan Orlando Web-Based Crash Database

Pedestrian Safety Statistics

Pedestrian safety affects the entire community; the young and old, men and women- at all times of the day and night. Many unnecessary injuries and fatalities occur because of intoxication or inattentiveness by both drivers and pedestrians. These tables show the changes in the total number of bicyclist and pedestrian injuries and fatalities from 2013 through 2017 as compiled by the Florida Department of Highway Safety and Motor Vehicles and MetroPlan's Web-Based Crash database for the CFMPOA region.

Pedestrian Injury	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	150	112	105	105	112
Lake County	62	49	57	44	59
Marion County	95	74	89	79	109
Orange County	533	577	538	521	520
Osceola County	84	79	104	106	63
Polk County	153	196	144	133	137
Seminole County	111	103	106	79	109
Sumter County	14	15	19	19	19
Volusia County	228	203	188	207	199
CFMPOA Total	1,430	1,408	1,350	1,293	1,327

Pedestrian Fatality	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	12	16	11	21	10
Lake County	3	7	11	8	5
Marion County	6	8	11	13	12
Orange County	33	34	39	46	58
Osceola County	7	12	12	15	2
Polk County	10	19	13	16	13
Seminole County	9	4	6	9	12
Sumter County	3	-	2	-	1
Volusia County	17	19	13	11	22
CFMPOA Total	**100**	**119**	**118**	**139**	**135**

Source: Florida Department of Highway Safety and Motor Vehicles & MetroPlan Orlando Web-Based Crash Database

Bicyclist Safety Statistics

As the number of bicyclists using the transportation network continues to increase, so does the number of injuries and fatalities. These charts show the changes in the total number of bicyclist injuries and fatalities from 2013 through 2017 for the CFMPOA region.

Bicyclist Injury	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	101	108	79	71	64
Lake County	36	30	28	22	23
Marion County	35	38	57	44	50
Orange County	376	367	365	365	330
Osceola County	63	45	67	54	86
Polk County	88	89	97	61	74
Seminole County	96	69	113	96	92
Sumter County	5	16	8	6	9
Volusia County	157	125	133	126	139
CFMPOA Total	**957**	**887**	**947**	**845**	**867**

Bicyclist Fatality	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Brevard County	9	5	-	4	2
Lake County	4	2	1	-	-
Marion County	1	-	1	2	3
Orange County	7	11	9	7	6
Osceola County	-	2	3	1	12
Polk County	4	3	6	4	-
Seminole County	6	-	3	4	5
Sumter County	1	-	-	-	-
Volusia County	4	4	2	5	2
CFMPOA Total	36	27	25	27	30

Source: Florida Department of Highway Safety and Motor Vehicles & MetroPlan Orlando Web-Based Crash Database

Air Quality

Air pollution is associated with several health issues, including asthma, heart disease, and cancer. Ground-level ozone, for which motor vehicle emissions are a primary source, has been a cause for concern in the Central Florida Area in recent years. In 2015, the Federal Environmental Protection Agency (EPA) revised the standard for ozone from 75 parts per billion to 70 parts per billion in any eight-hour period. An area will be considered as nonattainment (not meeting the standard) if the average of the annual fourth-highest ozone readings at any monitoring site for the three-year period equals or exceeds the 70 parts per billion standard.

The following table shows the fourth-highest eight-hour average readings, shown in parts per billion, for the area from 2013 through 2017:

Ozone Monitoring	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Melbourne (Brevard)	63	62	60	58	59
Freedom 7 Elem. (Brevard)	63	63	61	61	60
Lost Lake Elem. (Lake)	63	65	63	63	63
Ocala YMCA (Marion)	61	62	61	61	61
County Impound (Marion)	61	59	59	58	58
Winegard Elem. (Orange)	64	65	62	62	64
Lake Isle Estates (Orange)	63	66	61	62	63
Four Corners (Osceola)	65	64	63	63	64
Sikes Elem. (Polk)	64	66	63	63	66
Baptist Children's (Polk)	64	65	63	62	65
Seminole State (Seminole)	61	64	60	61	63
Port Orange (Volusia)	59	60	58	59	59
Daytona Blind Svc. (Volusia)	61	62	60	59	59

Source: Florida Department of Environmental Protection
Note: The three-year attainment average can be determined by averaging the last three years of ozone data for each station.

Chapter 4: Transit Statistics

As the highway system in the CFMPOA region becomes more congested, alternative modes of transportation are becoming increasingly important. Currently, the majority of transit users in the region rely heavily on transit services to get to work, shopping, medical appointments etc. As a result, this service is essential to the area's economy and the quality of life. This chapter looks at fixed-route bus, demand-response (paratransit), and vanpool services provided by the various transit agencies in the CFMPOA region. Numbers shown were provided by local transit agency staff.

LYNX

The LYNX service area comprises Orange, Osceola and Seminole counties, an area of approximately 2,500 square miles. While regular fixed route service does not reach the most rural portions of the service area, LYNX paratransit service is available within all portions of the county boundaries. The transit services provided by LYNX include: Fixed-Route Bus Service, LYMMO Downtown Circulator, Shuttle Services, Transportation Disadvantaged Service, and Van Pooling.

Transit Supplied

Vehicle Revenue Miles	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	25,482,688	29,376,790	25,442,689	26,715,548	28,147,221

Vehicle Revenue Hours	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Hours	1,693,383	1,730,670	1,751,053	1,686,622	1,768,242

Vehicles availble for Max. Serv.	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Vehicles	571	608	655	680	723

Transit Consumed

Passenger Miles Traveled	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	167,299,657	178,129,638	169,531,611	152,877,019	156,256,558

Unlinked Passenger Trips	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Unlinked Trips	29,853,083	30,141,247	29,377,073	27,378,837	26,031,038

Source: Central Florida Regional Transportation Authority d.b.a. LYNX, APTA (American Public Transportation Association)

LakeXpress

Public transportation services in Lake County include LakeXpress, the County's fixed-route bus service, and Lake County Connection paratransit services. LakeXpress maintains four fixed-route bus services: Lady Lake and Eustis via U.S. 441; Altoona to Zellwood; and two local routes -- one throughout the City of Leesburg and another through the City of Mount Dora. All routes operate on a one-hour headway schedule.

Transit Service Supplied

Vehicle Revenue Miles	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	1,717,650	1,760,839	1,601,846	1,538,338	1,509,601

Vehicle Revenue Hours	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Hours	108,718	108,481	96,571	90,860	91,099

Vehicles in Max. Service	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Vehicles	58	56	50	42	38

Passenger Miles Traveled	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	4,546,039	4,488,988	4,034,590	2,050,310	3,396,176

Unlinked Passenger Trips	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Unlinked Trips	476,131	461,006	437,939	418,963	425,294

Source: LakeXpress (Lake County)

Space Coast Area Transit (SCAT)

Space Coast Area Transit (SCAT) provides the majority of transit service in Brevard County, including both fixed-route and demand response services. SCAT currently operates 17 fixed routes, 1 dial-a-ride, paratransit service, vanpools, and the Volunteers-in-Motion program. Service spans from approximately 6 a.m. to 8:30 p.m., with an average of 60-minute frequencies.

Transit Service Supplied

Vehicle Revenue Miles	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	4,095,511	4,283,153	4,183,088	4,102,027	3,909,845

Vehicle Revenue Hours	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Hours	193,087	193,031	185,514	209,228	187,152

Vehicles in Max. Service	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Vehicles	166	145	113	113	136

Transit Service Consumed

Passenger Miles Traveled	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	25,902,092	26,873,487	24,361,853	23,198,943	20,517,127

Unlinked Passenger Trips	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Unlinked Trips	2,883,218	2,921,644	2,898,925	2,748,564	2,554,122

Source: Space Coast Area Transit (SCAT)

Votran

The Volusia County Council created the county's public transportation system, called Votran, in 1975. Votran is a service of Volusia County Government, and it currently operates 21 fixed routes, 2 flexible routes, trolley service, and paratransit Gold Service for older adults and persons with disabilities. Service spans from approximately 6 a.m. to 7 p.m., with an average of 60-minute headways.

Transit Service Supplied

Vehicle Revenue Hours	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Hours	307,211	311,701	316,366	328,847	342,825

Vehicles in Max. Service	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Vehicles	121	125	126	129	138

Transit Service Consumed

Passenger Miles Traveled	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	17,938,903	17,805,586	-	20,751,753	16,504,841

Unlinked Passenger Trips	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Unlinked Trips	4,024,638	4,013,072	3,856,481	3,545,910	3,520,679

Source: Votran (Volusia County), APTA (American Public Transportation Association)

Citrus Connection

The Lakeland Area Mass Transit District, known as the Citrus Connection, operates 38 fixed-route buses and 15 Handy buses, paratransit services, in 15 fixed routes. Today the Citrus Connection delivers more than 6,000 people to work, play, school and other destinations every day. Additionally, the Lakeland Area Mass Transit District serves as a contractor to operate services in Winter Haven and express service to Bartow.

Transit Service Supplied

Vehicle Revenue Miles	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	1,333,092	935,371	886,423	1,372,618	1,378,277

Vehicle Revenue Hours	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Hours	102,057	69,077	64,772	89,104	90,759

Vehicles in Max. Service	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Vehicles	32	22	22	30	31

Transit Service Consumed

Passenger Miles Traveled	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	6,962,739	6,641,122	5,878,810	8,076,814	7,088,796

Unlinked Passenger Trips	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Unlinked Trips	1,318,689	1,215,338	1,073,367	1,304,808	1,252,509

Source: Lakeland Area Mass Transit District d.b.a. Citrus Connection.

SunTran

SunTran operates fixed-route bus service on six routes in the Ocala area. The SunTran bus fleet is equipped to carry disabled passengers, who ride at reduced fares. SunTran is a cooperative effort of the Ocala/Marion County Transportation Planning Organization, Marion County, the City of Ocala, the Florida Department of Transportation and the Federal Transportation Administration. Bus service is provided Monday through Saturday, from 5:00 a.m. through 10:00 p.m with an average headway of 70 minutes.

Transit Service Supplied

Vehicle Revenue Miles	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	511,252	487,296	492,048	494,222	557,559

Vehicle Revenue Hours	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Hours	34,501	31,065	31,505	31,547	36,278

Vehicles in Max. Service	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Vehicles	8	6	6	6	8

Transit Service Consumed

Passenger Miles Traveled	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Miles	2,250,998	2,659,742	2,792,500	2,242,744	2,218,804

Unlinked Passenger Trips	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Unlinked Trips	439,783	436,063	417,920	415,762	423,542

Source: SunTran.

Five-Year Historic Trend – Unlinked Transit Passenger Trips

This graph illustrates the five-year unlinked passenger trip trend total for Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter, and Volusia Counties – the CFMPOA region.
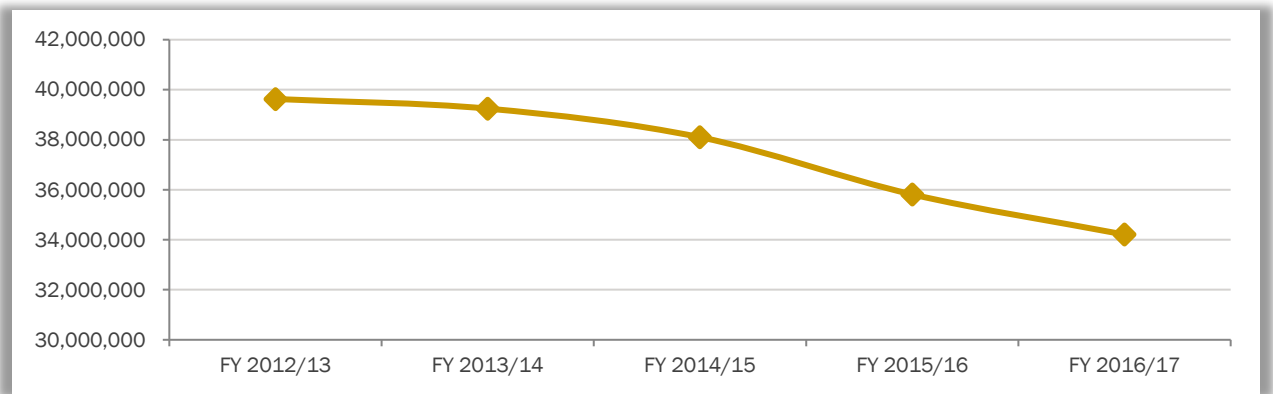
Chapter 5: Aviation, Rail, Sea, and Space Port Statistics

Aviation is another important mode of transportation in the CFMPOA region. Due to the large number of tourists, business travelers, and residents flying to and from the Central Florida area, the region's international airports have experienced major growth during the past decade.

The CFMPOA region is served by four international airports:

- Orlando International Airport, Orange County (MCO)
- Orlando-Sanford International Airport, Seminole County (SFB)
- Melbourne International Airport, Brevard County (MLB)
- Daytona Beach International Airport, Volusia County (DAB)

Orlando International Airport, Orange County (MCO)

Due to the high-volume tourist market, Orlando International Airport continues to be one of the busiest airports in the U.S. It is the second-busiest airport in Florida, after Miami International; the 15th-busiest airport in the United States; and the 43rd-busiest airport in the world, by passenger traffic. The table shows the number of passengers, tons of cargo, and operations at the Orlando International Airport from 2013 to 2017:

Orlando Int'l Airport	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Total Passengers	34,768,544	35,714,612	38,809,337	41,562,705	43,591,361
Tons of Cargo	169,725	174,869	188,012	202,861	216,103
Aircraft Operations	291,662	290,331	308,173	316,141	325,333

Source: Greater Orlando Aviation Authority

10-Year Historic Trend – Total Passengers

This graph illustrates the 10-year total passenger trend for Orlando International Airport.
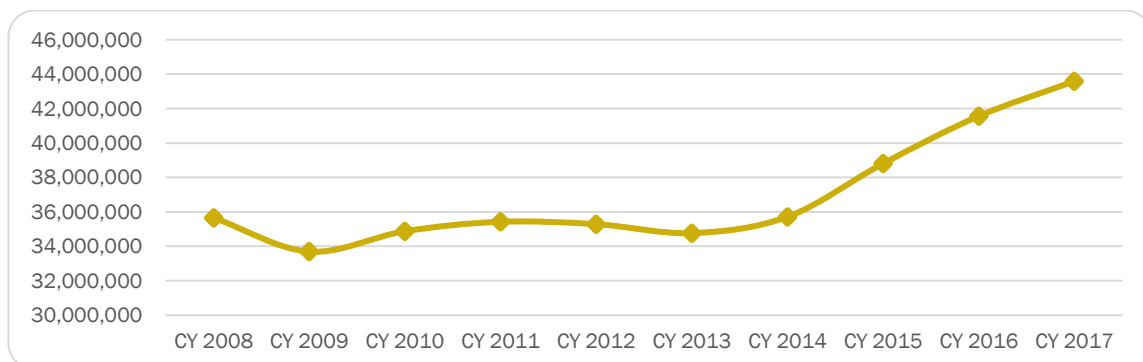
## Orlando-Sanford International Airport, Seminole County (SFB)

The Orlando-Sanford International Airport has also grown rapidly in recent years. It began as a place primarily for international chartered and scheduled flights to and from Europe, but it has developed into an alternative to Orlando International for north metro area residents. Orlando-Sanford handles international service, as well as domestic flights to a growing number of U.S. cities.   The following table shows the number of passengers, tons of cargo, and operations at the Orlando- Sanford International Airport from 2013 to 2017:

Orlando-Sanford Int'l	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Total Passengers	2,032,680	2,184,701	2,480,122	2,752,410	2,922,446
Tons of Cargo	3,112	1,627	1,316	610	332
Aircraft Operations	269,708	220,630	293,742	289,759	307,064

Source: Sanford Airport Authority, Monthly Activity Report

10-Year Historic Trend – Total Passengers
This graph illustrates the 10-year total passenger trend for Orlando-Sanford International Airport.
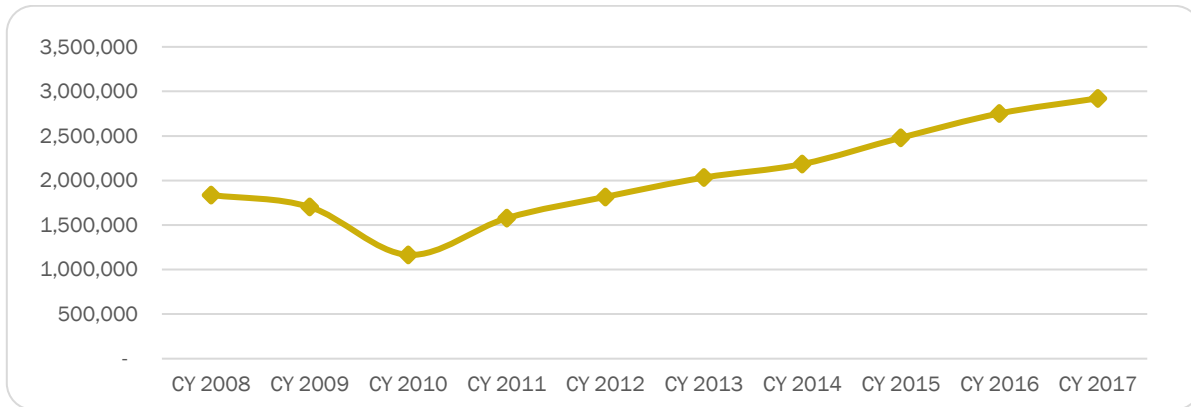
Melbourne International Airport, Brevard County (MLB)
The Melbourne International Airport currently operates with three runways accommodating general-aviation, commercial, and cargo aircraft. The airport has five airlines operating out of eight gates and seven jet ways, which provide service primarily to the eastern United States as well as the Bahamas.

The table shows the number of passengers, tons of cargo, and operations at the Melbourne International Airport from 2012 to 2016:

Melbourne Int'l Airport	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Total Passengers	416,780	443,717	444,844	460,055	465,082
Tons of Cargo	242	107	121	117	92
Aircraft Operations	159,112	131,140	121,370	91,860	96,070

Source: Melbourne Airport Authority

10-Year Historic Trend – Total Passengers
This graph illustrates the 10-year total passenger trend for MLB
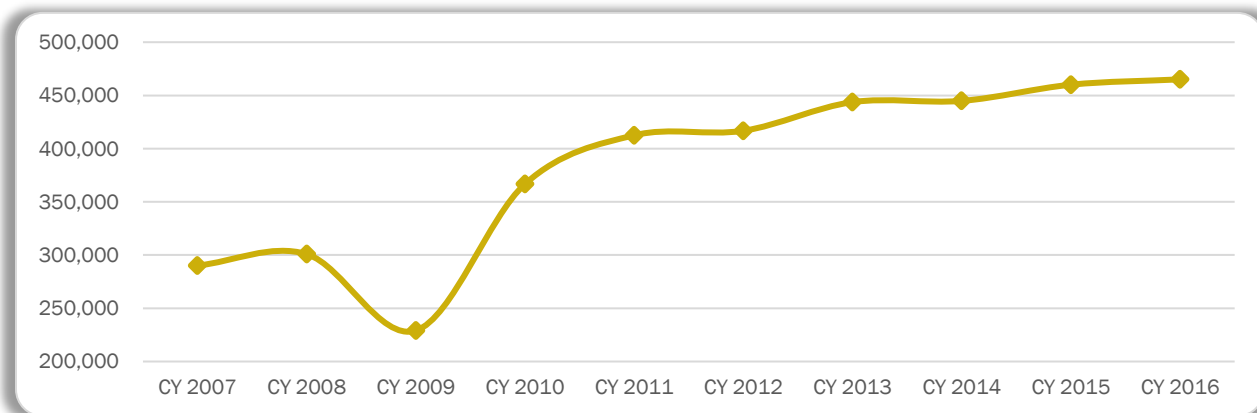
Daytona Beach International Airport, Volusia County (DAB)
The Daytona Beach International Airport is a 160,000-square-foot, modern, six-gate terminal complex. Currently, three major airlines operate out of this facility providing direct service to Atlanta and Charlotte, as well as the Bahamas.

The table shows the number of passengers, tons of cargo, and operations at the Daytona Beach International Airport from 2013 to 2017:

Daytona Beach Int'l	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Total Passengers	582,925	629,972	627,455	707,657	720,825
Tons of Cargo	136	138	141	139	135
Aircraft Operations	288,705	290,380	297,678	317,810	310,238

Source: Daytona Beach International Airport

10-Year Historic Trend – Total Passengers
This graph illustrates the 10-year total passenger trend for DAB
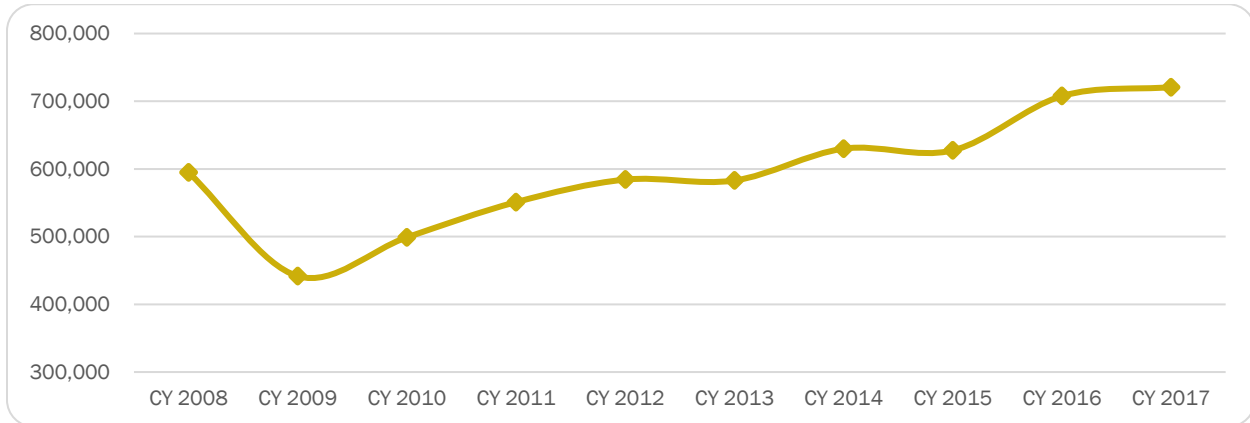
Central Florida MPO Alliance Regional Total (MCO, SFB, MLB, DAB)

CFMPOA Region Total	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Total Passengers	38,105,676	37,827,866	38,974,069	42,390,015	45,848,548
Tons of Cargo	177,360	173,080	176,798	189,586	209,893
Aircraft Operations	1,052,866	981,215	922,711	990,924	1,020,620

10-Year Historic Trend – Total Passengers
This graph illustrates the 10-year total passenger trend for CFMPOA Region
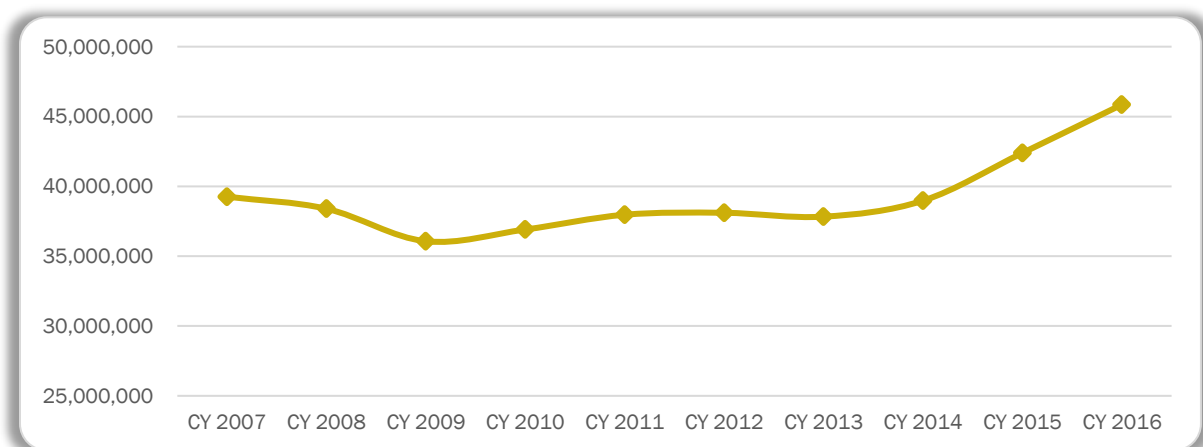
Passenger Rail Service

Central Florida's passenger rail service altered some travel patterns in the region. For decades the Central Florida region only had Amtrak as the primary passenger rail service provider. However, in May 2014 SunRail commuter rail Service began operating. Central Florida residents who live along the I-4 corridor now have a choice when traveling to/from work or other trip purposes. The 12 Phase I stations on the SunRail corridor connect the communities of Central Florida.

SunRail Commuter Rail

Phase 1 of SunRail comprises 31 miles with 12 stations along the former CSX "A" Line connecting Volusia County and Orange County through Downtown Orlando. The extensions proposed for Phase 2 would add a new northern terminus at DeLand and four more stations southward, terminating at Poinciana in Osceola County.
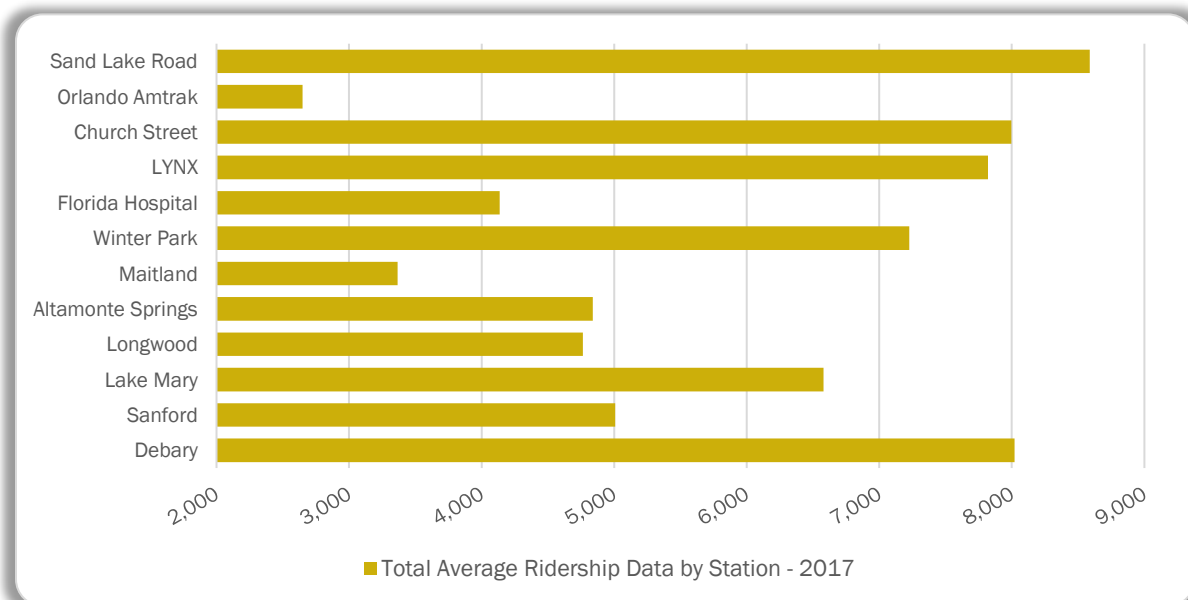
SunRail Statistics – January 2017 to December 2017

The following graphics show the average daily boardings by month, the number of bicyclist and ADA boarding, and on-time performance by month:
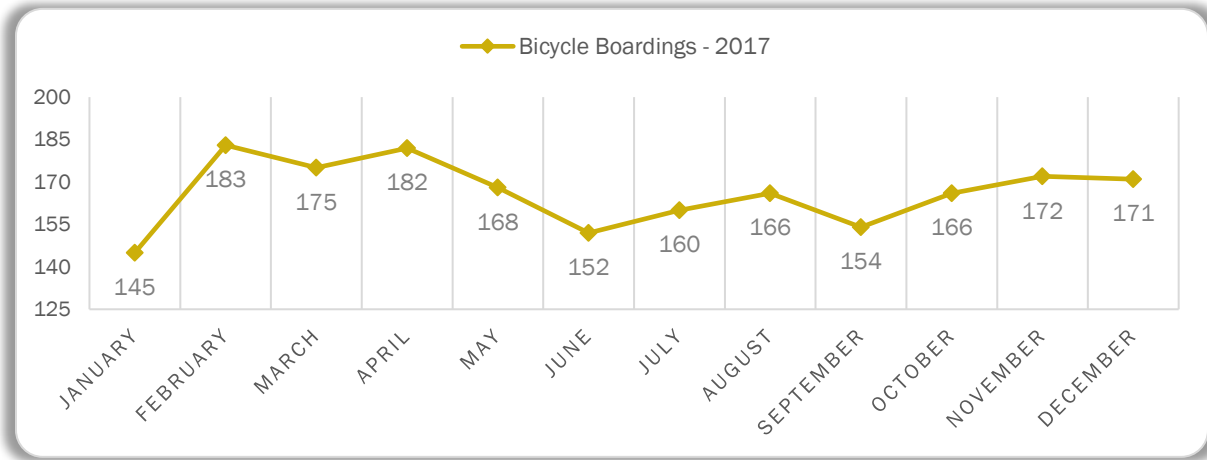
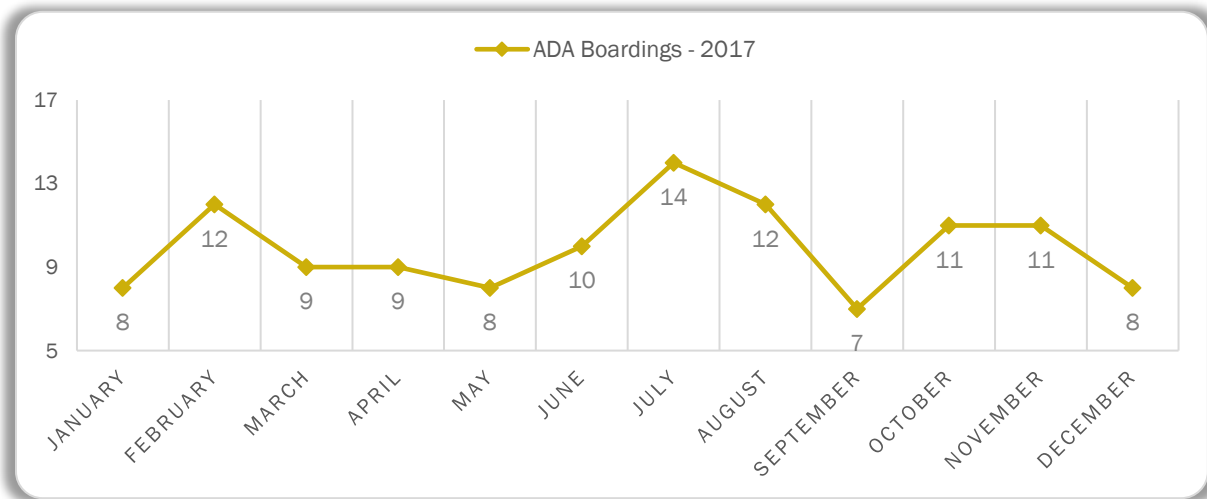### Graph 1: Average daily boarding - 2016

Average Daily boardings - 2016
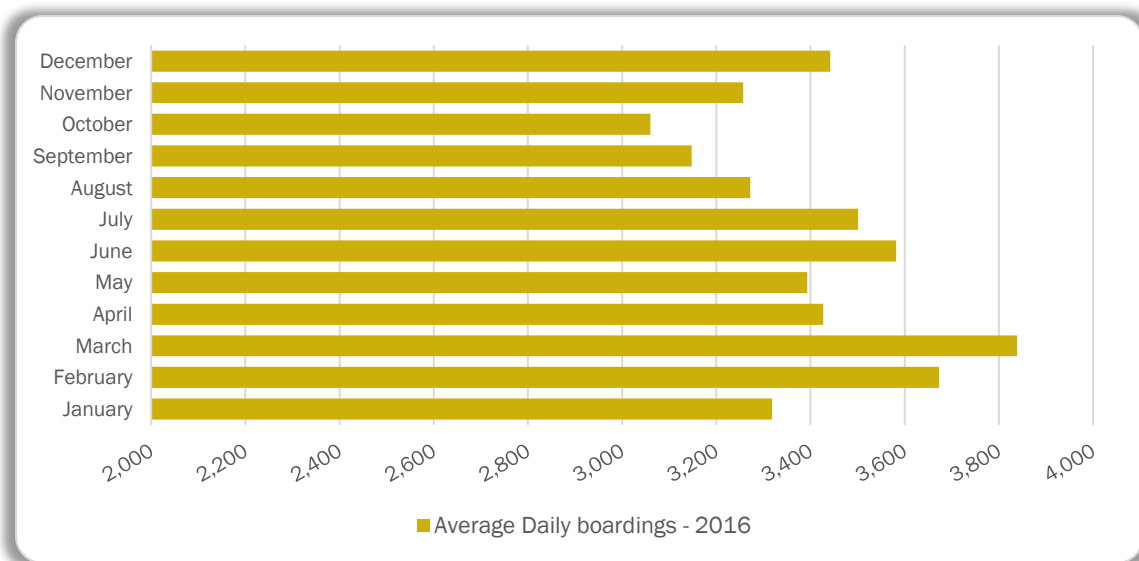
Graph 2: Total average ridership data by station - 2017

Total Average Ridership Data by Station - 2017

Graph 3: Total Number of Bicycle Boarding- January 2017 to December 2017

Bicycle Boardings - 2017

Month	Value
JANUARY	145
FEBRUARY	183
MARCH	175
APRIL	182
MAY	168
JUNE	152
JULY	160
AUGUST	166
SEPTEMBER	154
OCTOBER	166
NOVEMBER	172
DECEMBER	171

Graph 4: Total Number of ADA Boarding- January 2017 to December 2017

ADA Boardings - 2017

Month	Value
JANUARY	8
FEBRUARY	12
MARCH	9
APRIL	9
MAY	8
JUNE	10
JULY	14
AUGUST	12
SEPTEMBER	7
OCTOBER	11
NOVEMBER	11
DECEMBER	8

Graph 5: On- Time Performance- January 2017 to December 2017

On-Time Performance- 2017

Month	Value
JANUARY	98.81
FEBRUARY	98.78
MARCH	98.78
APRIL	96.52
MAY	95.45
JUNE	98.99
JULY	98.33
AUGUST	95.21
SEPTEMBER	95.59
OCTOBER	96.72
NOVEMBER	96.52
DECEMBER	98.06
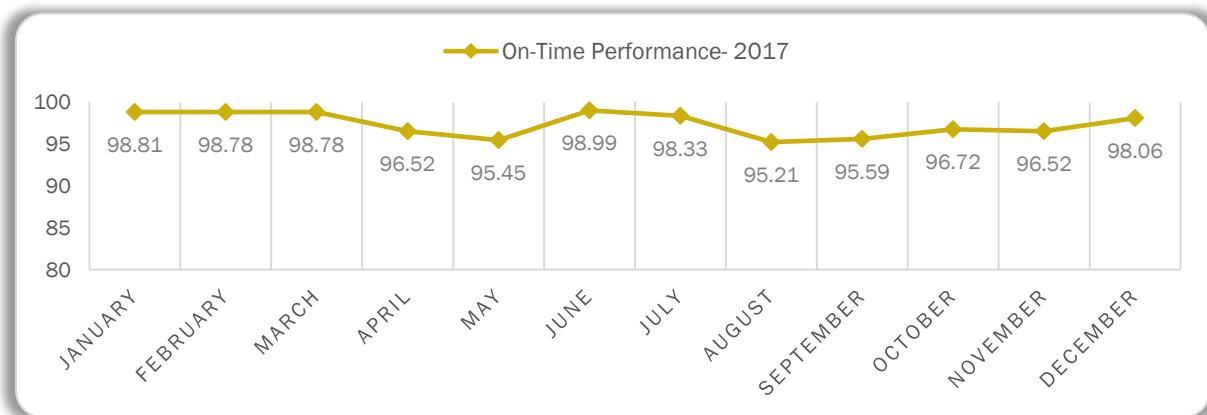
*Source: Central Florida Commuter Rail Commission*

Amtrak

Amtrak provides long-distance passenger rail service at stations in Deland, Winter Park, Orlando, Kissimmee, Lakeland, and Winter Haven. In addition to its regular passenger service, Amtrak's Auto Train operates daily between Lorton, Virginia (outside of Washington, D.C.) and the Auto Train terminal off I-4 and SR 46 in Sanford. These tables show the number of rail passengers who used these stations from FY 2013 through FY 2017:

Amtrak - Deland	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	26,502	26,063	24,310	22,374	20,827

Amtrak - Kissimmee	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	44,906	43,543	41,424	37,773	35,737

Amtrak - Lakeland	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	22,829	21,816	21,526	20,475	19,479

Amtrak - Orlando	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	160,442	155,532	145,839	138,359	133,248

AutoTrain - Sanford	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	265,274	274,445	271,622	238,448	228,943

Amtrak - Winter Haven	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	22,205	22,273	21,965	21,684	20,598

Amtrak - Winter Park	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	30,142	29,013	28,310	28,205	27,253

Amtrak - CFMPOA Region	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	572,300	572,685	554,996	507,318	486,085

Source: National Railroad Passenger Corporation d.b.a. Amtrak

10-Year Historic Trend – Amtrak Ridership
This graph illustrates the 10-year Amtrak total ridership trend for the seven stations within the CFMPOA region.
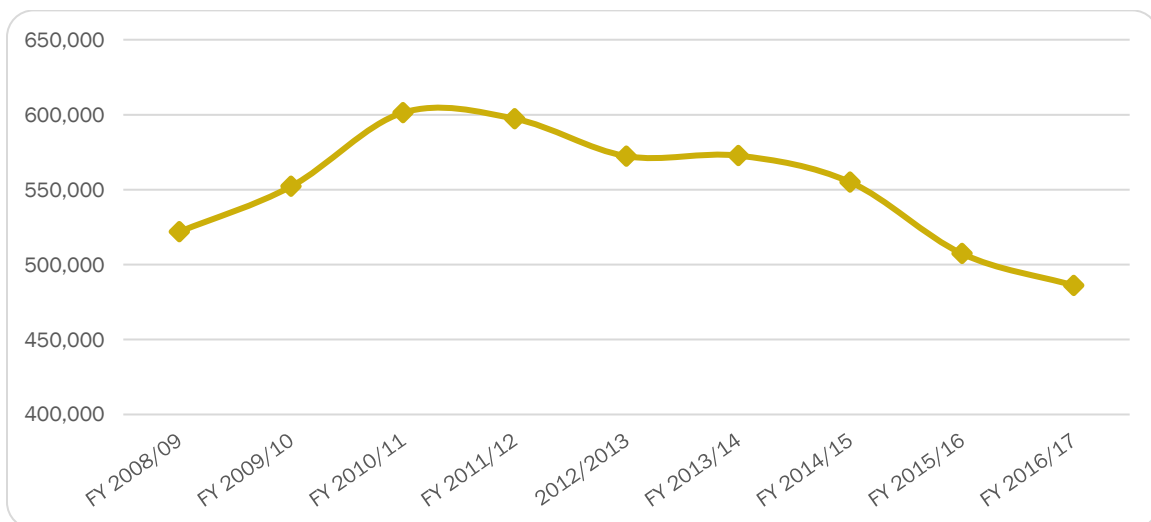
Port Canaveral Statistics

Port Canaveral is one of the busiest cruise ports in the world with 4.5 million passengers passing through during FY 2016/17. The port also serves cargo lines and has advanced shipper capabilities. Although the port is in Brevard County, and thus outside of the Orlando Metropolitan Area, much of the cargo that is handled at the port, and many of the port's cruise ship passengers, are destined for this area. As a result, Port Canaveral is considered an important regional asset.

This port's freight and passenger statistics from FY 2013 through FY 2017 are shown in the following table:

Port Canaveral	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Number of Passengers	3,717,586	4,167,258	4,168,666	3,951,127	4,526,626
Tons of Cargo	3,874,266	3,362,281	4,206,590	5,497,028	5,990,763

Source: Canaveral Port Authority

10-Year Historic Trend – Port Canaveral
This graph illustrates the 10-year passenger and cargo trend for Port Canaveral.
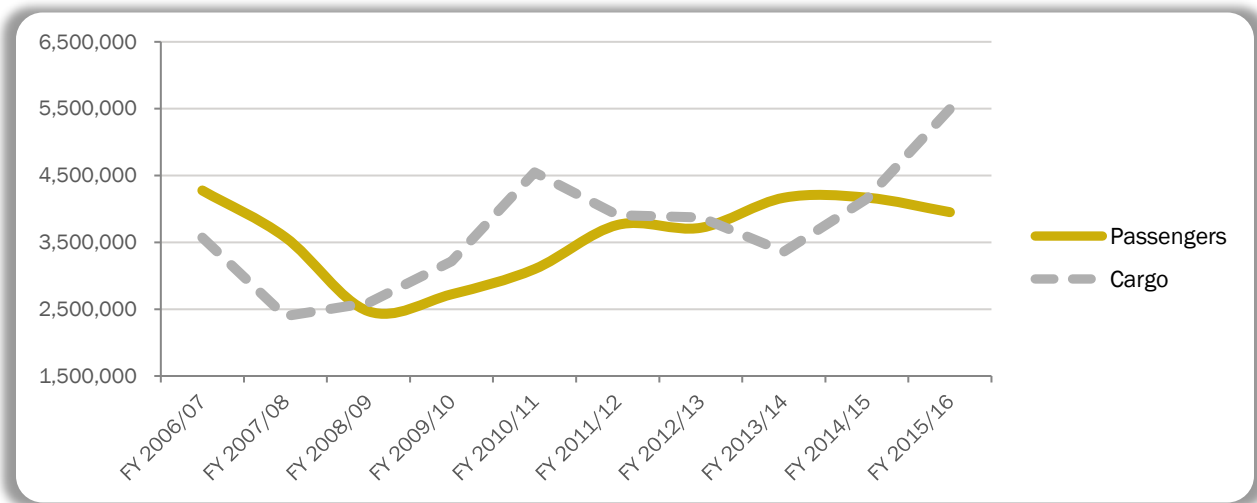
Space Launch Statistics

A form of transportation that is unique to the CFMPOA area is space travel. The area is home to the Cape Canaveral Spaceport in Brevard County, where NASA's space launches have taken place for more than 50 years. Although The Space Shuttle program ended in 2011, it is being replaced with NASA's Commercial Crew Program (CCP). CCP is an innovative public-private partnership that helps the aerospace industry in the U.S. to develop space transportation systems that can safely launch astronauts to the International Space Station (ISS) and other low-Earth orbit destinations.

NASA has awarded more than $1.4 billion in Space Act Agreements (SAAs) under two Commercial Crew Development (CCDev) and the Commercial Crew Integrated Capability (CCiCap) initiatives. The top companies that have contributed in development and certification phases of the Commercial Crew Program are Boeing, SpaceX and Sierra Nevada Corporation.

The number of space launches from 2012 through 2016 is shown in the table below.

Space Launches	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016
Space Shuttle	0	0	0	0	0
Satellite/Spacecraft	10	10	15	16	18
Total Launches	10	10	15	16	18

Source: Space Florida