

**CENTRAL FLORIDA  
MPO  
ALLIANCE**

# **Regional Indicators Report**

A State of the System for the  
Central Florida MPO Alliance Region

October 2024

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# 1 | Executive Summary

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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 originally prepared by MetroPlan Orlando to collect and maintain data on critical transportation indicators to inform future policy decisions. In 2022, the report was updated to include additional data sources and map layers, including information compiled in the Florida Department of Transportation Source Book. This information has been updated again in 2024.

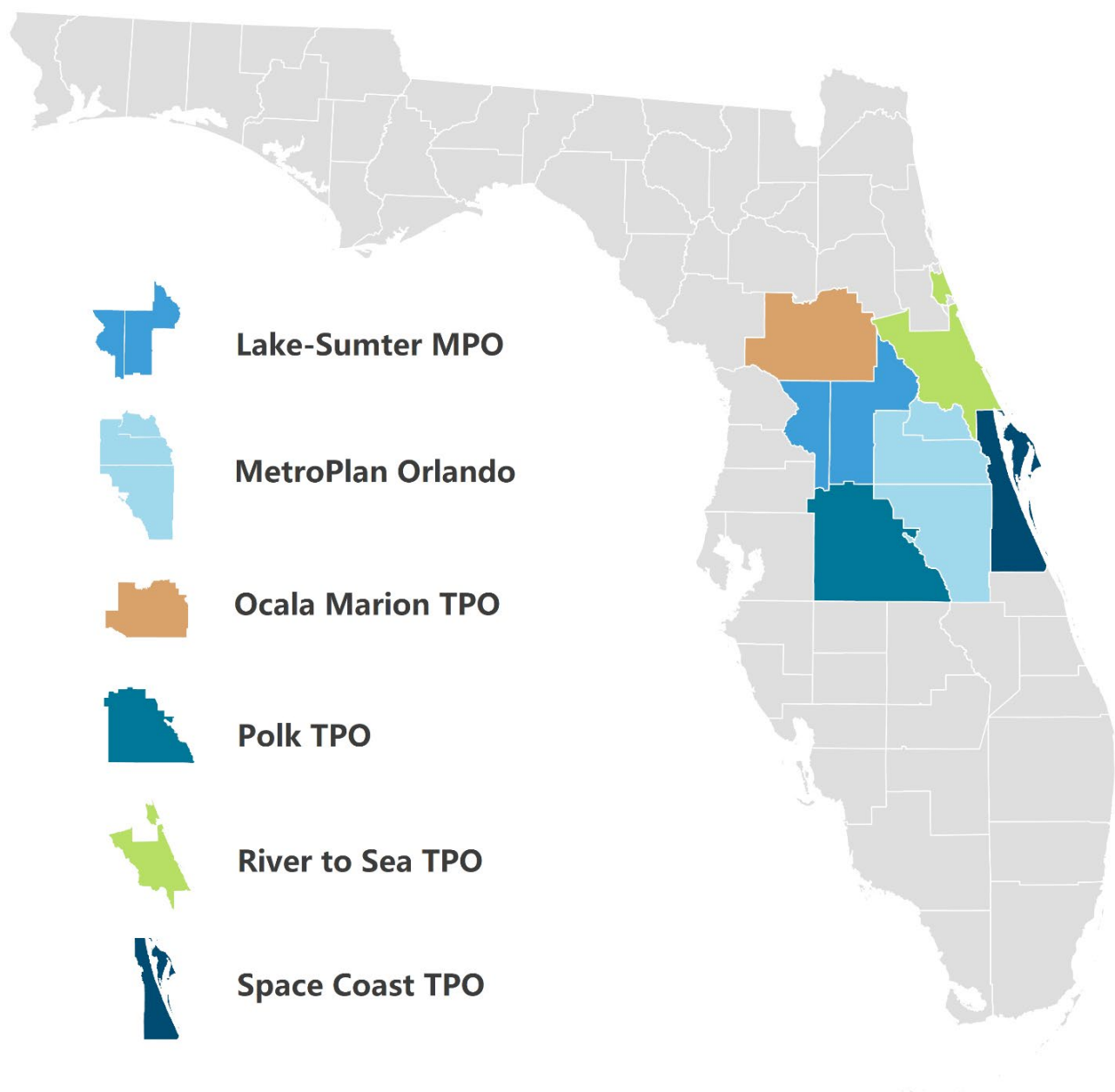
The Regional Indicators report includes the latest data and available information at the time of publication for the various indicators used to measure transportation system activity over a five-year-to-ten-year period.

Data is provided by several national, state, and local agencies, including the Federal Highway Administration, the U.S. Census Bureau, the U.S. Department of Labor Statistics, the Florida Department of Transportation, the Florida Department of Highway Safety and Motor Vehicles, the Florida Department of Environmental Protection, the University of Florida Bureau of Business and Economic Research, and numerous others as described in the source documentation section of the report.

## 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 ten-county Central Florida region, including portions of Flagler County.

The MPO Alliance has a policy board of eighteen members, three from each of the six member organizations. Representatives from the Florida Department of Transportation also participate. The group meets quarterly and operates on the basis of consensus, and 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.



## MPO/TPO Staff Contact Information

### Lake-Sumter MPO

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### River to Sea TPO

*(Volusia County, parts of Flagler County)*

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### Space Coast TPO

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(321) 690-6890  
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## 2 | Area Profile

### Section Outline

- 2.1: Population & Employment Trends
- 2.2: Visitation & Tourism
- 2.3: Regional Demographics
- 2.4: Land Use & Urbanization

### 2.1 | Population & Employment Trends

#### Population

The table below shows population growth trends for the ten counties and each of the six MPO's included in the Central Florida MPO Alliance region as provided by the U.S. Census Bureau.<sup>1</sup> Additionally, 2045 population projections from the University of Florida Bureau of Economic and Business Research (BEBR) are provided.<sup>2</sup> Additional tables are available in Appendix 1.

County Population	2020	2021	2022	2023	% Growth	2045	% Growth
					2020-23	2023-45	
Brevard County	608,459	616,628	630,693	643,979	5.8%	761,343	18.2%
Flagler County*	118,451	120,932	126,705	131,439	11.0%	183,693	39.8%
Lake County	375,492	395,804	410,139	424,462	13.0%	585,536	37.9%
Marion County	373,513	385,915	396,415	409,959	9.8%	500,321	22.0%
Orange County	1,429,899	1,422,746	1,452,726	1,471,416	2.9%	1,987,397	35.1%
Osceola County	385,315	403,282	422,545	437,784	13.6%	705,759	61.2%
Polk County	744,552	753,320	787,404	818,330	9.9%	1,070,873	30.9%
Seminole County	474,171	470,093	478,772	484,271	2.1%	578,807	19.5%
Sumter County	139,018	135,638	144,970	151,565	9.0%	235,718	55.5%
Volusia County	561,497	564,412	579,192	590,357	5.1%	691,381	17.1%
<b>CFMPOA Region</b>	<b>5,210,367</b>	<b>5,268,770</b>	<b>5,429,561</b>	<b>5,563,562</b>	<b>6.8%</b>	<b>7,300,828</b>	<b>31.2%</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** U.S. Census Bureau (2020-2023); UF BEBR (2045)

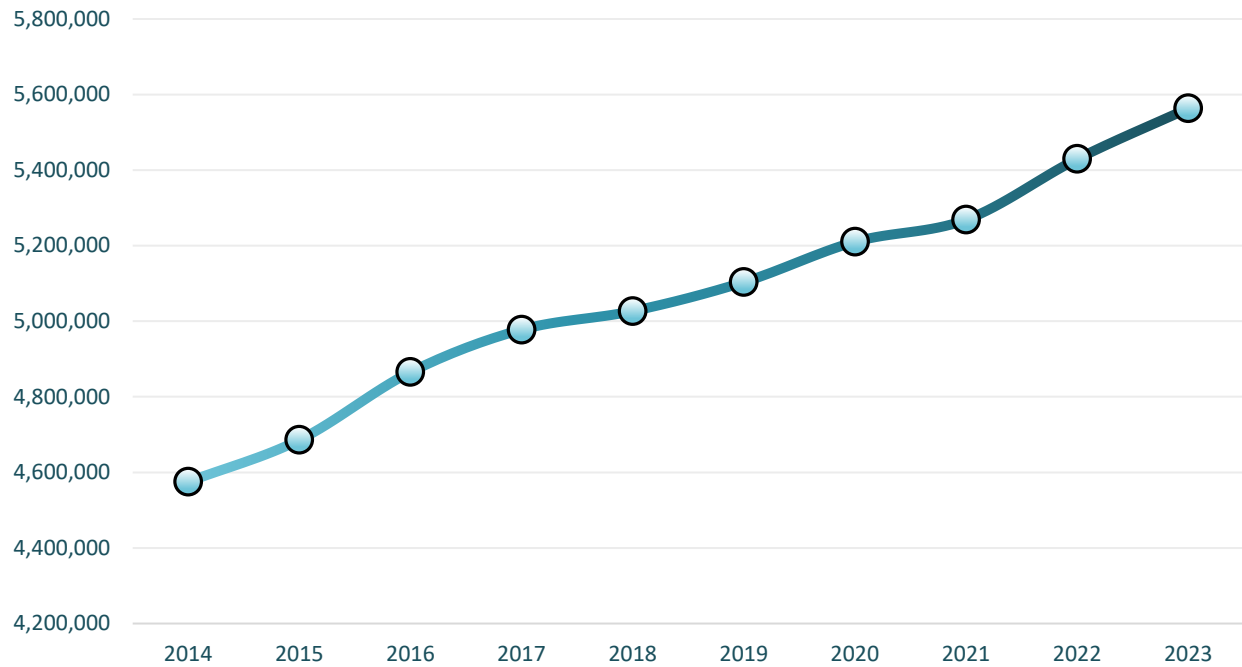
TPO Population	2020	2021	2022	2023	% Growth	2045	% Growth
					2020-23	2023-45	
Lake-Sumter MPO	514,510	531,442	555,109	576,027	12.0%	821,254	42.6%
MetroPlan Orlando	2,289,385	2,296,121	2,354,043	2,393,471	4.5%	3,271,963	36.7%
Ocala Marion TPO	373,513	385,915	396,415	409,959	9.8%	500,321	22.0%
Polk TPO	744,552	753,320	787,404	818,330	9.9%	1,070,873	30.9%
River to Sea TPO*	679,948	685,344	705,897	721,796	6.2%	875,074	21.2%
Space Coast TPO	608,459	616,628	630,693	643,979	5.8%	761,343	18.2%

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** U.S. Census Bureau (2020-2023); UF BEBR (2045)

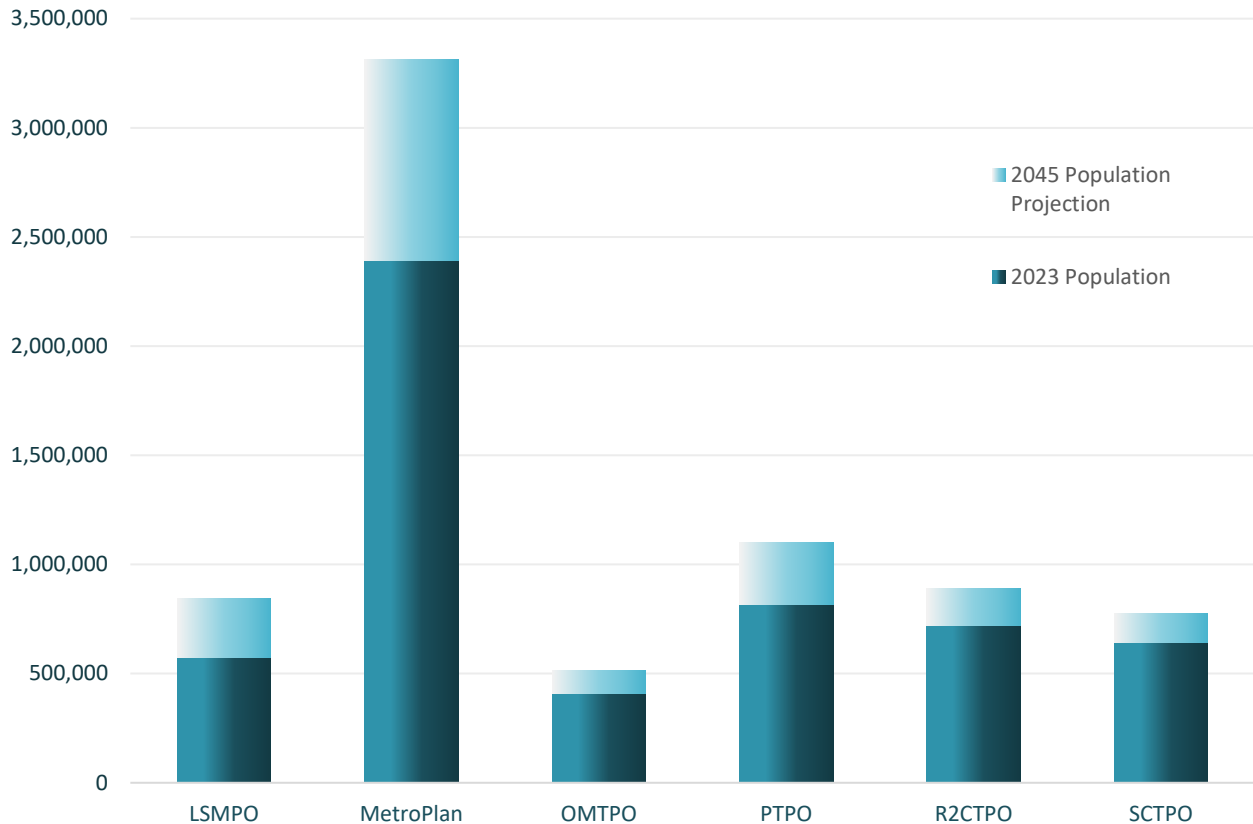
### Historic Central Florida MPO Alliance Population, 2014-2023

U.S. Census Bureau, 2023



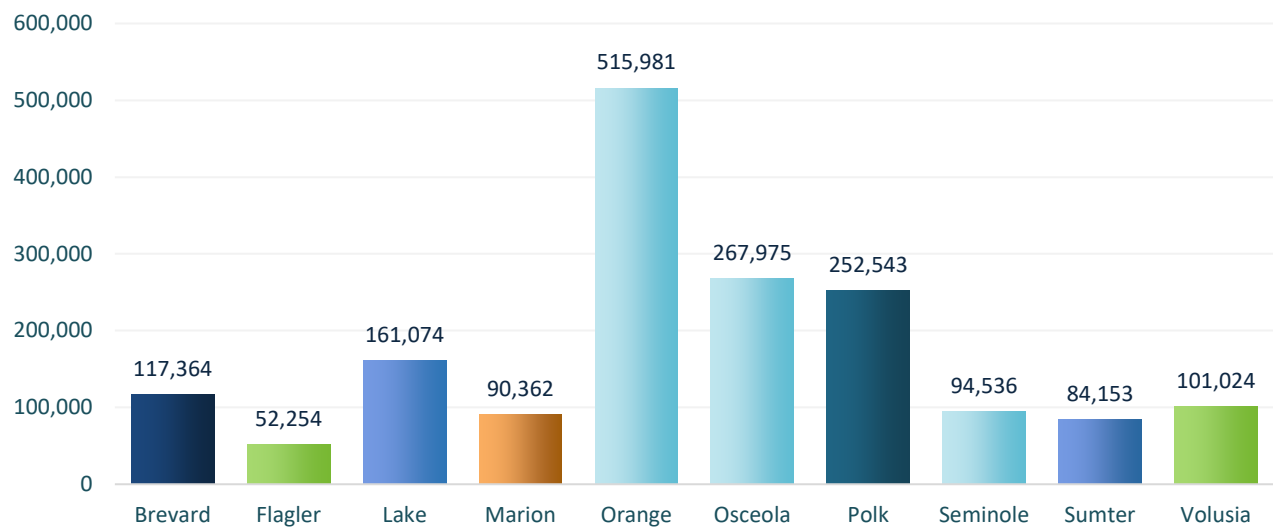
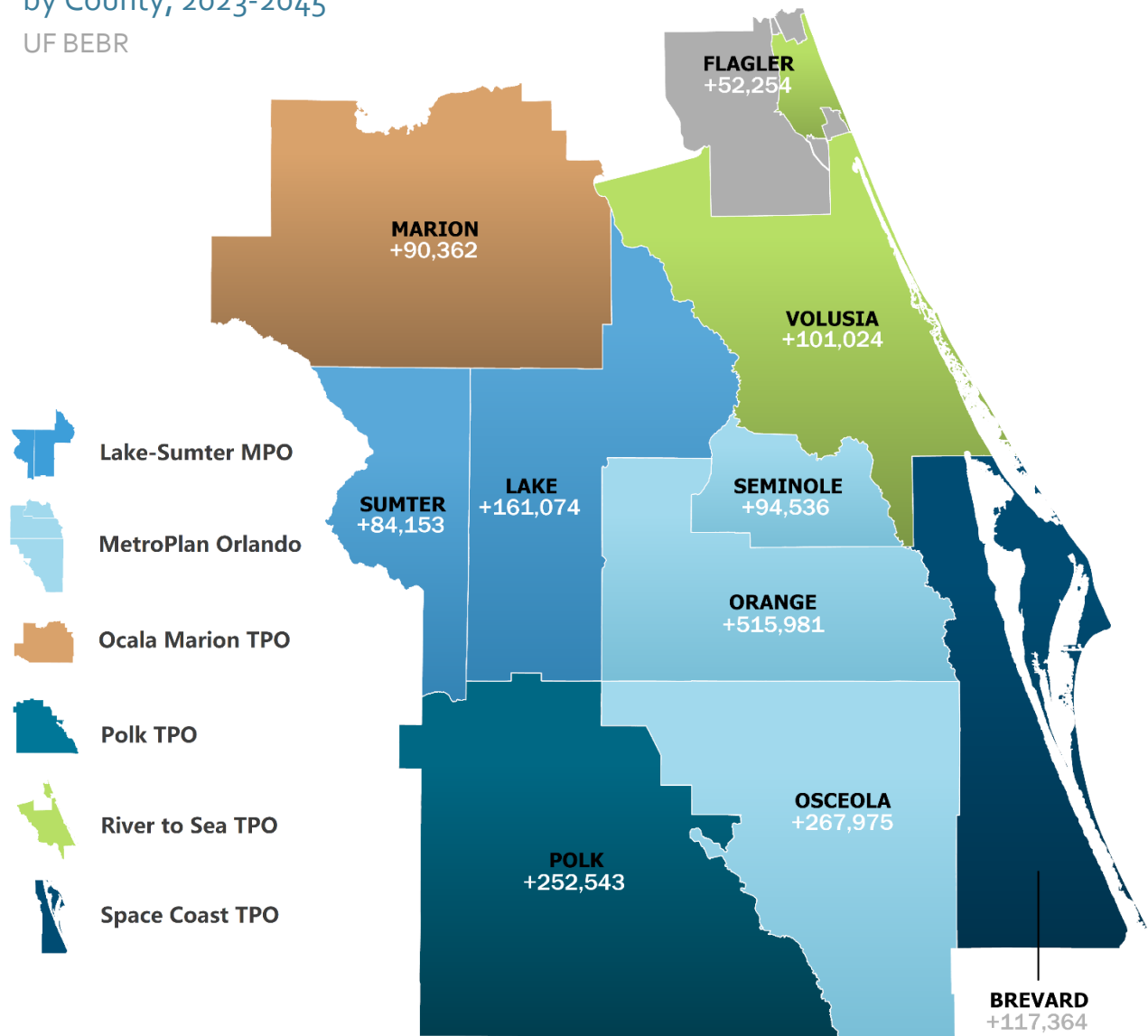
### 2023 to 2045 Population Growth by TPO

U.S. Census Bureau, UF BEBR, 2023



## Projected Population Growth by County, 2023-2045

UF BEBR

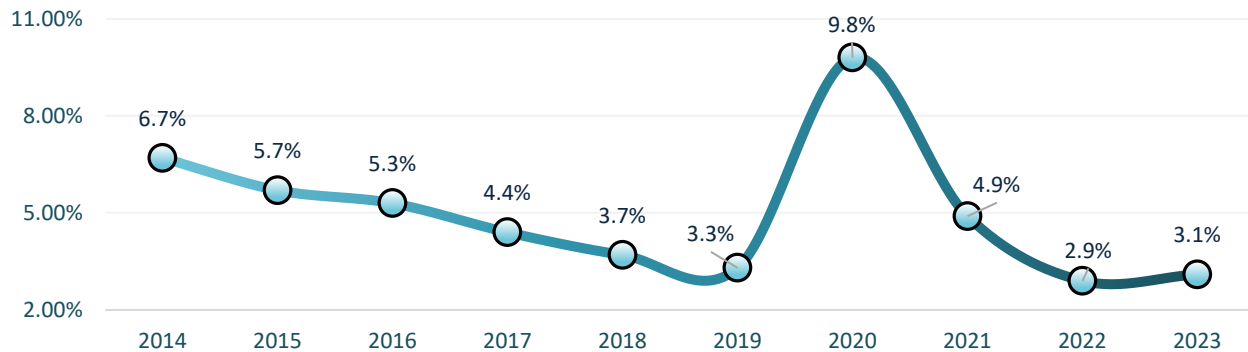




## Employment

The tables and chart below show total employed individuals and the unemployment rate (depicted as "U. Rate") for the ten counties and each of the six MPO's included in the CFMPOA region from 2020 to 2023, as provided by the U.S. Bureau of Labor Statistics.<sup>3</sup> The chart shows the regional unemployment rate from 2014 to 2023.

**Historic Central Florida MPO Alliance Unemployment Rate**



County Employment	2020		2021		2022		2023	
	Employed	U. Rate	Employed	U. Rate	Employed	U. Rate	Employed	U. Rate
Brevard County	261,302	7.2%	277,951	4.0%	290,374	4.1%	296,517	3.0%
Flagler County*	43,263	8.1%	46,067	4.6%	49,216	3.2%	49,590	3.7%
Lake County	142,000	9.4%	152,035	4.7%	168,154	2.7%	171,974	3.1%
Marion County	128,343	7.6%	135,009	4.9%	144,665	3.1%	146,274	3.6%
Orange County	656,788	11.5%	702,684	5.2%	780,739	2.5%	797,143	2.8%
Osceola County	162,828	14.4%	174,170	6.3%	193,464	3.0%	197,266	3.4%
Polk County	288,447	9.8%	311,005	5.4%	330,705	3.2%	331,847	3.7%
Seminole County	219,095	7.8%	234,590	4.1%	260,277	2.4%	266,027	2.8%
Sumter County	29,876	8.5%	32,790	5.3%	36,257	3.7%	37,316	4.2%
Volusia County	228,265	8.2%	243,303	4.6%	259,935	2.9%	262,386	3.3%
<b>CFMPOA Region</b>	<b>2,160,207</b>	<b>9.8%</b>	<b>2,309,604</b>	<b>4.9%</b>	<b>2,513,786</b>	<b>2.9%</b>	<b>2,556,340</b>	<b>3.1%</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** U.S. Bureau of Labor Statistics, 2024

TPO Employment	2020		2021		2022		2023	
	Employed	U. Rate	Employed	U. Rate	Employed	U. Rate	Employed	U. Rate
Lake-Sumter MPO	171,876	3.5%	184,825	9.3%	204,411	2.9%	209,290	3.3%
MetroPlan Orlando	1,038,711	3.1%	1,111,444	11.2%	1,234,480	2.6%	1,260,436	2.9%
Ocala Marion TPO	128,343	3.9%	135,009	7.6%	144,665	3.1%	146,274	3.6%
Polk TPO	288,447	3.8%	311,005	9.8%	330,705	3.2%	331,847	3.7%
River to Sea TPO*	271,528	3.6%	289,370	8.2%	309,151	3.0%	311,976	3.3%
Space Coast TPO	261,302	3.3%	277,951	9.8%	290,374	4.1%	296,517	3.0%

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

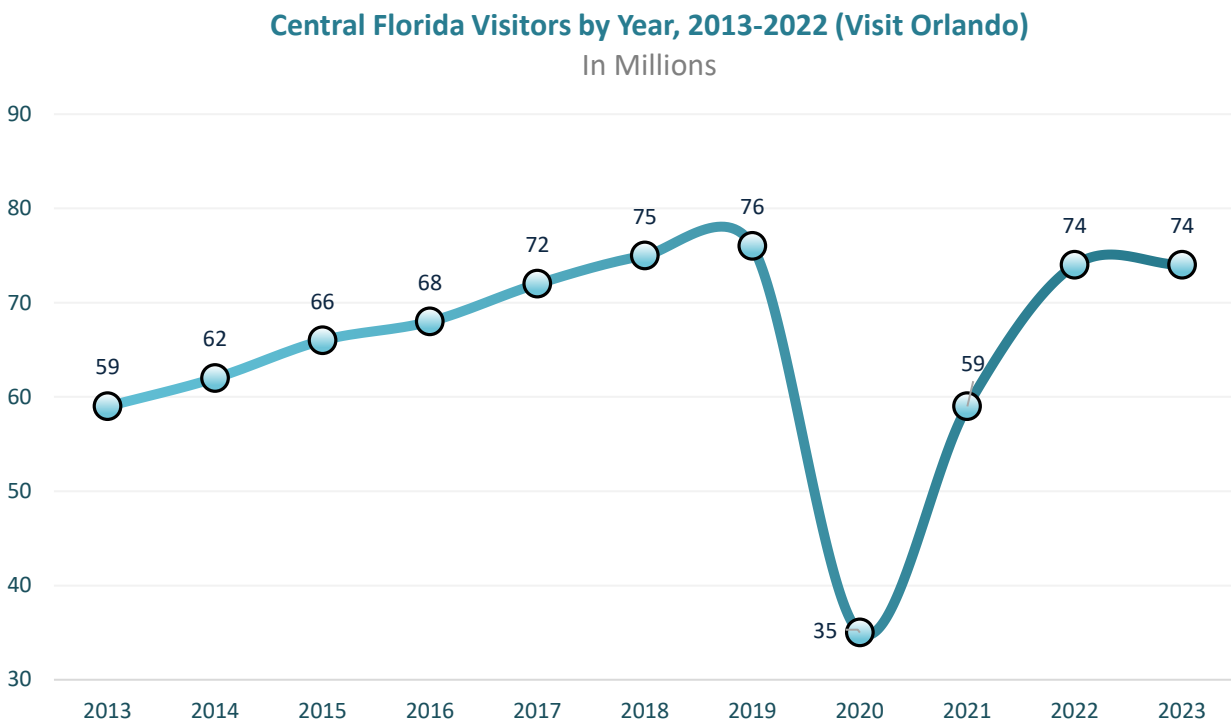
**Source(s):** U.S. Bureau of Labor Statistics, 2024

## 2.2 | Visitation & Tourism

This section of the Regional Indicators report provides data on visitation and tourism trends in the Central Florida MPO Alliance region.

### *Annual Visitors*

The Central Florida MPO Alliance region has numerous attractions, ranging from beaches to some of the most-visited attractions in the world. The chart below shows a growing number of annual visitors to the Central Florida region through 2019, with a 53% decrease occurring in 2020 as a result of the COVID-19 pandemic. In 2022, visitor numbers rebounded to pre-COVID levels.<sup>4</sup>



## Hotel Rooms

The Central Florida MPO Alliance region has a very large service-related economy, and there are a large number of hotels and motels regionwide. The Table below shows the number of hotel and motel rooms in the Central Florida MPO Alliance region from fiscal year 2018-19 through fiscal year 2022-23.<sup>5</sup>

Lodging Rooms by County	2018-19	2019-20	2020-21	2021-22	2022-23
Includes Hotels and Motels					
Brevard County	9,644	9,962	10,851	10,942	10,744
Flagler County*	936	934	934	934	935
Lake County	2,715	2,722	2,722	2,711	2,711
Marion County	4,101	4,074	4,255	4,520	4,605
Orange County	93,792	96,035	98,568	100,315	100,599
Osceola County	24,747	23,395	22,197	21,958	21,718
Polk County	7,920	8,279	8,264	8,336	8,151
Seminole County	4,645	4,588	4,818	5,063	5,063
Sumter County	760	911	1,003	1,003	1,095
Volusia County	12,129	12,119	12,599	12,774	12,420
<b>CFMPOA Region</b>	<b>161,389</b>	<b>163,019</b>	<b>166,211</b>	<b>168,556</b>	<b>168,041</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Business and Professional Regulation, 2018-2023

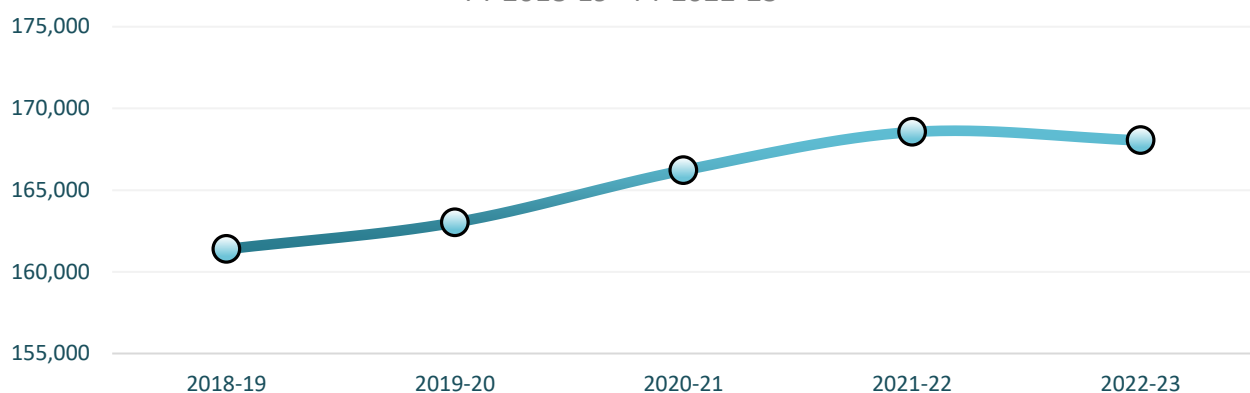
Lodging Rooms by TPO	2018-19	2019-20	2020-21	2021-22	2022-23
Includes Hotels and Motels					
Lake-Sumter MPO	3,475	3,633	3,725	3,714	3,806
MetroPlan Orlando	123,184	124,018	125,583	127,336	127,380
Ocala Marion TPO	4,101	4,074	4,255	4,520	4,605
Polk TPO	7,920	8,279	8,264	8,336	8,151
River to Sea TPO*	13,065	13,053	13,533	13,708	13,355
Space Coast TPO	9,644	9,962	10,851	10,942	10,744

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Business and Professional Regulation, 2018-2023

## Hotel and Motel Rooms in CFMPOA Region

FY 2018-19 - FY 2022-23

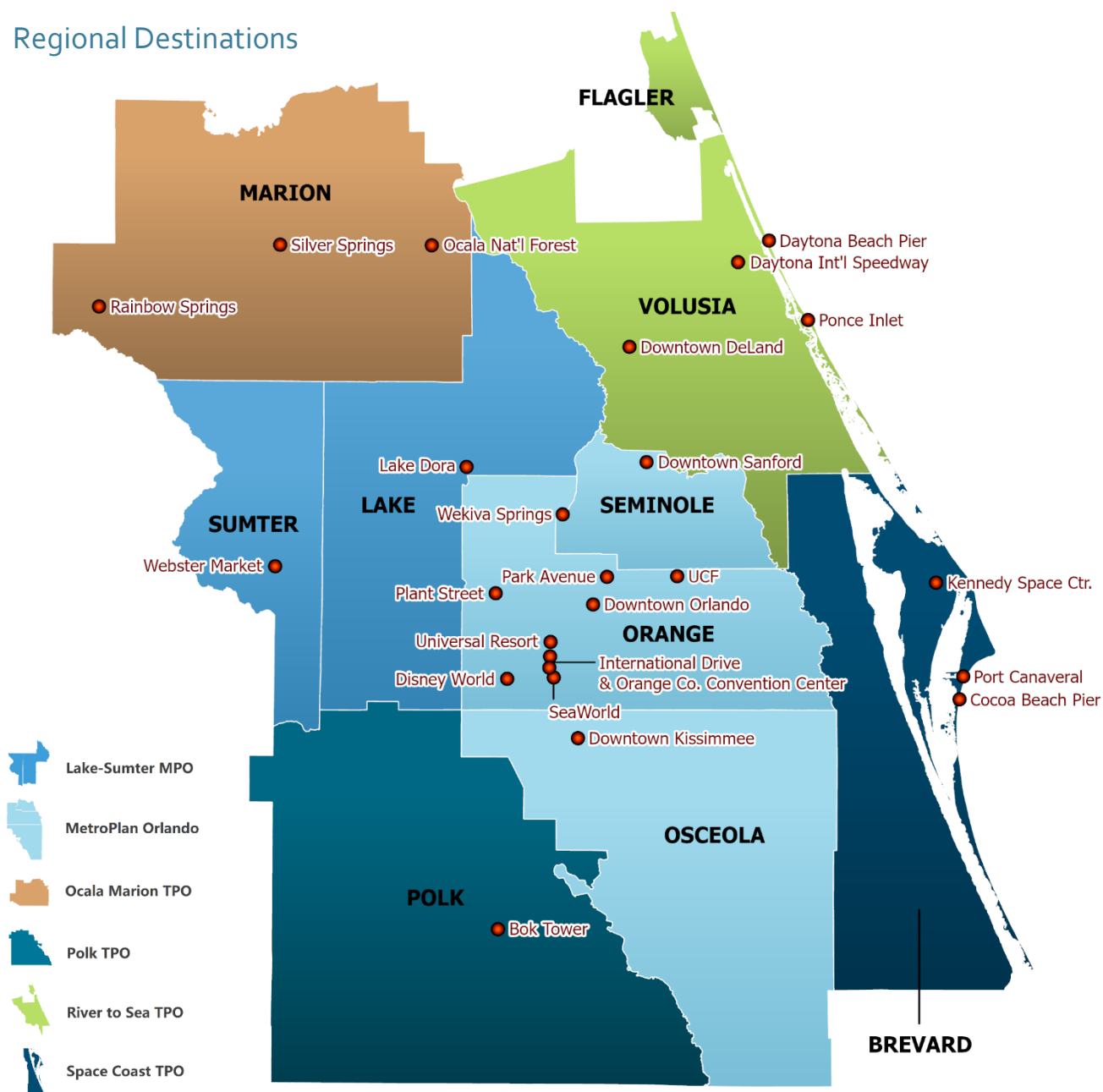


## Destinations

The map below depicts major destinations present in the Central Florida MPO Alliance region. Orange County, which is in the central portion of the region, is home to numerous theme park and entertainment attractions including Walt Disney World, Universal Orlando Resort, and the International Drive district. The Orange County Convention Center is also a major business destination. Along the east coast, the region boasts one of the largest ports in the U.S., Port Canaveral, as well as the Kennedy Space Center.

Other major destinations include Daytona International Speedway, historic town centers, world-famous beaches, and natural destinations including springs and national forests.

## Regional Destinations



## 2.3 | Regional Demographics

The tables below provide detailed breakdowns of the composition of the Central Florida MPO Alliance region, its ten counties, and its six member MPO's. Statistics in the analysis include population by age ranges (0-17, 18-64, and 65+), median household income, and poverty rates as approximated by the U.S. Census Bureau.<sup>6</sup>

The charts on the following page depict this information for each of the six MPO's included in the Central Florida MPO Alliance region.

Demographics	Median Household Income	Poverty Rate	Percent Aged 0-17	Percent Aged 18-64	Percent Aged 65+
Brevard County	\$71,308	10.0%	17.9%	57.4%	24.7%
Flagler County*	\$69,251	9.1%	16.0%	52.6%	31.4%
Lake County	\$66,239	9.7%	18.8%	54.4%	26.8%
Marion County	\$55,265	15.6%	18.6%	52.4%	29.0%
Orange County	\$72,629	12.6%	21.1%	65.7%	13.2%
Osceola County	\$64,312	12.9%	23.8%	62.8%	13.4%
Polk County	\$60,901	15.7%	21.8%	58.6%	19.6%
Seminole County	\$79,490	11.1%	20.4%	62.9%	16.7%
Sumter County	\$70,105	9.4%	7.1%	35.4%	57.5%
Volusia County	\$63,075	11.8%	17.3%	57.2%	25.5%
<b>CFMPOA Region (Est.)</b>	<b>\$67,817</b>	<b>12.4%</b>	<b>19.7%</b>	<b>59.4%</b>	<b>20.9%</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** U.S. Census Bureau, 2018-2022 ACS

Demographics	Median Household Income	Poverty Rate	Percent Aged 0-17	Percent Aged 18-64	Percent Aged 65+
Lake-Sumter MPO	\$67,249	9.6%	15.7%	49.4%	34.8%
MetroPlan Orlando	\$72,532	12.3%	21.4%	64.6%	13.9%
Ocala Marion TPO	\$55,265	15.6%	18.6%	52.4%	29.0%
Polk TPO	\$60,901	15.7%	21.8%	58.6%	19.6%
River to Sea TPO*	\$64,184	11.3%	17.1%	56.4%	26.6%
Space Coast TPO	\$71,308	10.0%	17.9%	57.4%	24.7%

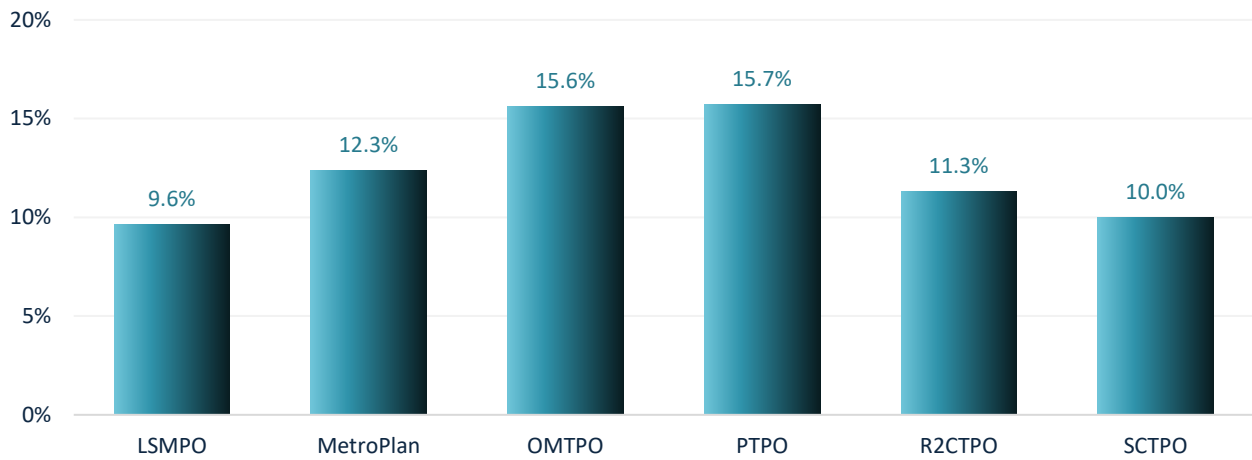
\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** U.S. Census Bureau, 2018-2022 ACS

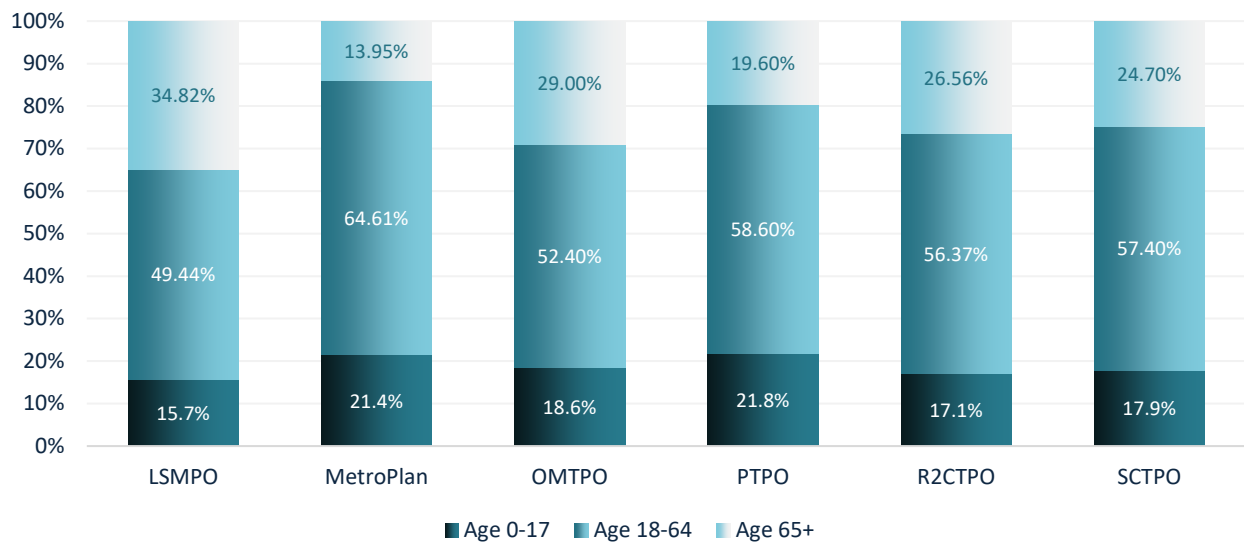
**Median Household Income by MPO, 2018-2022 <sup>6</sup>**



**Percent of Households Living in Poverty by MPO, 2018-2022 <sup>6</sup>**



**Age Range Breakdown by MPO, 2018-2022 <sup>6</sup>**

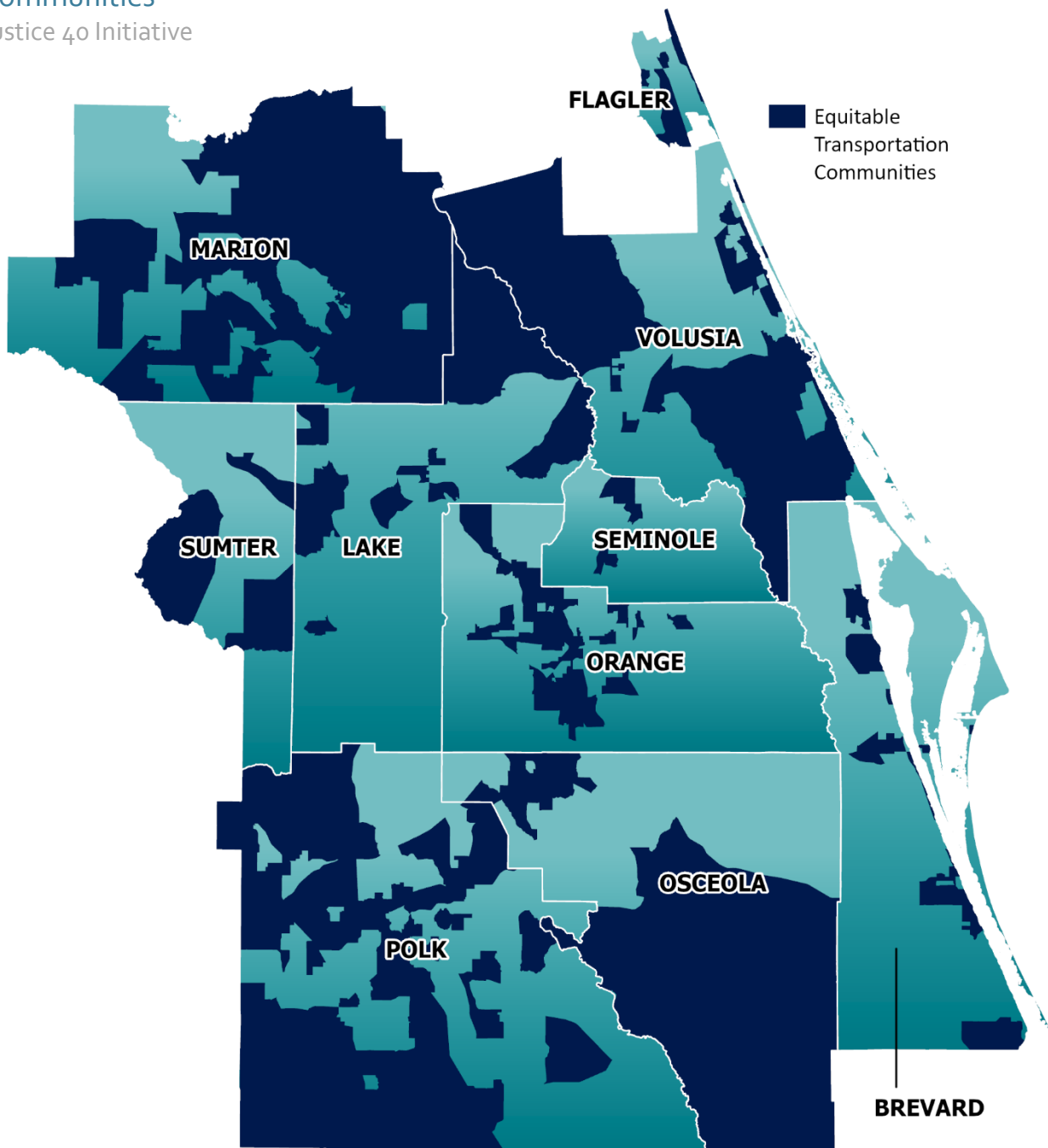


### Justice 40 | Equitable Transportation Communities

As part of the Justice 40 Initiative, the federal government has identified census tracts that are burdened by factors including transportation insecurity, climate and disaster risk burden, environmental burdens, health vulnerability, and social vulnerability. Census tracts in the top 35% of the scoring criteria are referred to as equitable transportation communities and are shown in the map below.<sup>7</sup>

### Equitable Transportation Communities

Justice 40 Initiative

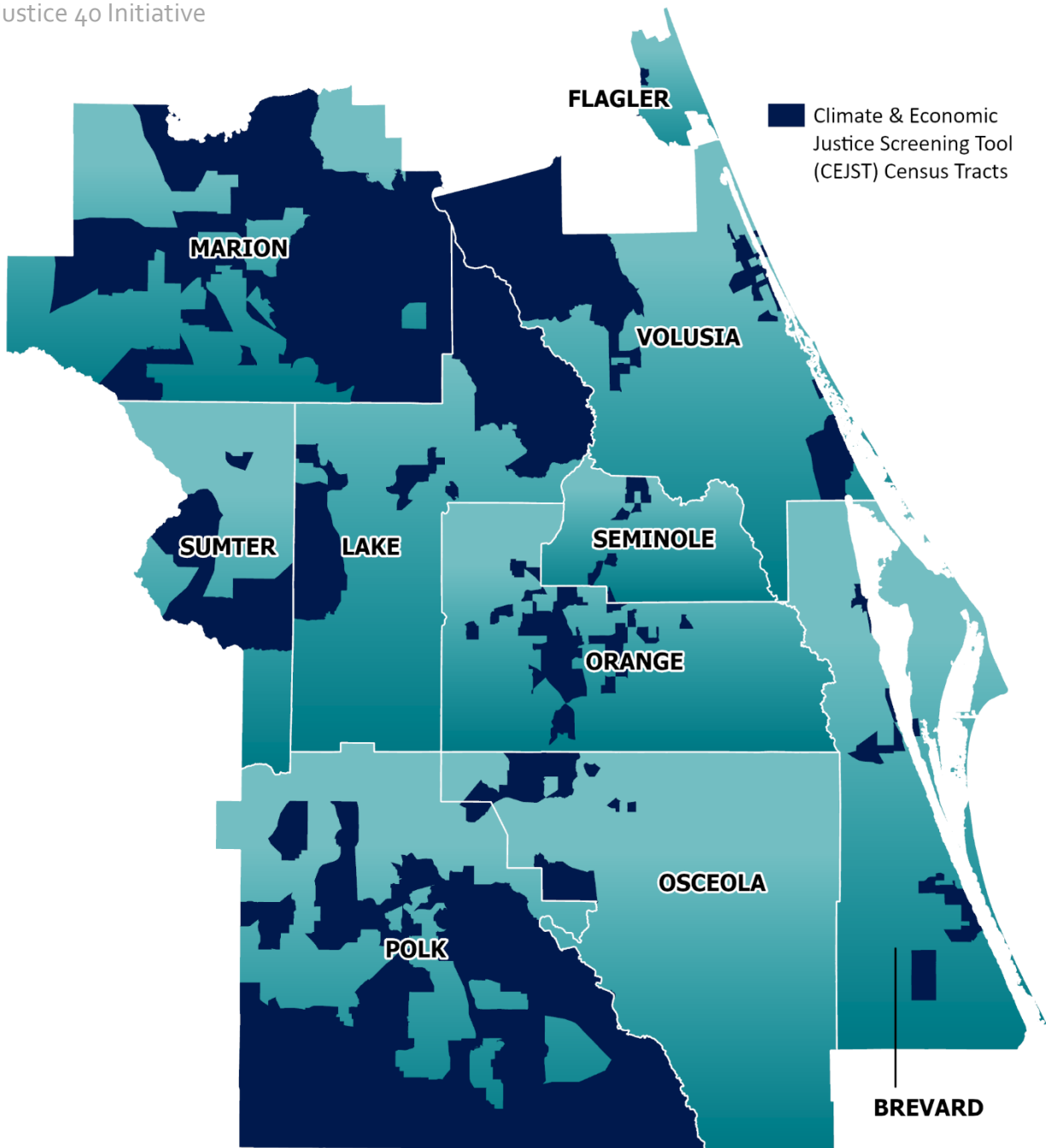


### *Justice 40 | Climate & Economic Justice Screening Tool Areas*

The Climate and Economic Justice Screening Tool (CEJST) is used to identify census tracts across the country that are at-risk to certain economic, climate, or socioeconomic burdens. Areas also include all Federally Recognized Tribes and census tracts that are surrounded by other CEJST tracts that also in the bottom 50<sup>th</sup> percentile for income.<sup>8</sup>

### Climate & Economic Justice Screening Tool (CEJST) Areas

Justice 40 Initiative





## 2.4 | Land Use & Urbanization

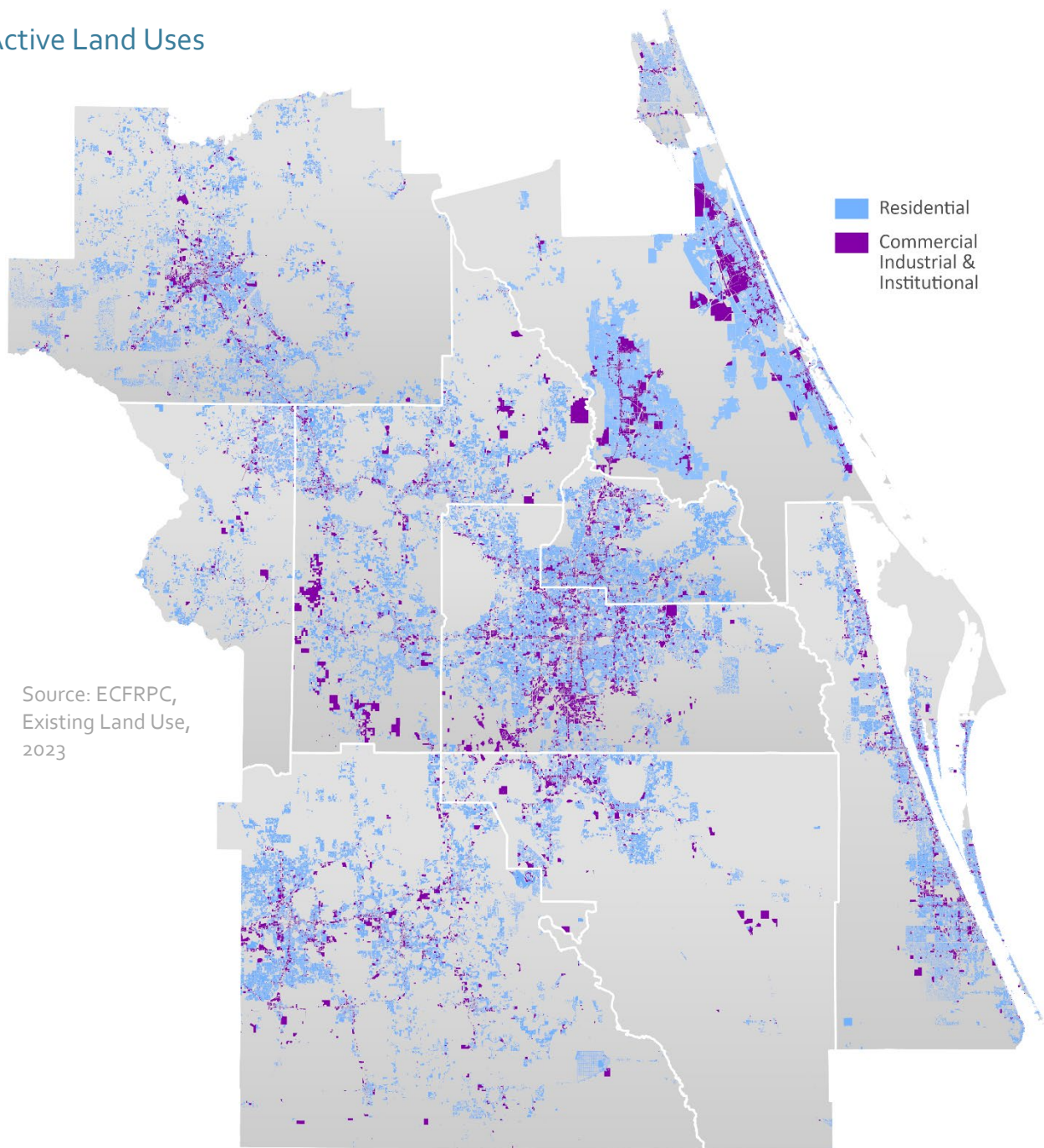
This section of the report analyzes land uses across three categories: active land uses, agricultural lands, and conservation lands.

### *Active Land Uses*

*Existing Land Use – Not Including Agricultural and Recreational Lands*

The map below depicts active land uses in the Central Florida MPO Alliance region. Lodging, office, industrial, and institutional land uses are classified one land use type.<sup>9</sup>

### Active Land Uses



## Agricultural Lands

### Existing Land Use (County Parcels)

The following map depicts agricultural areas in green.<sup>10</sup>  
Regionwide, there are more than 2.2 million acres of agricultural land.

Lake-Sumter MPO: 361,049 Acres

MetroPlan Orlando: 667,355 Acres

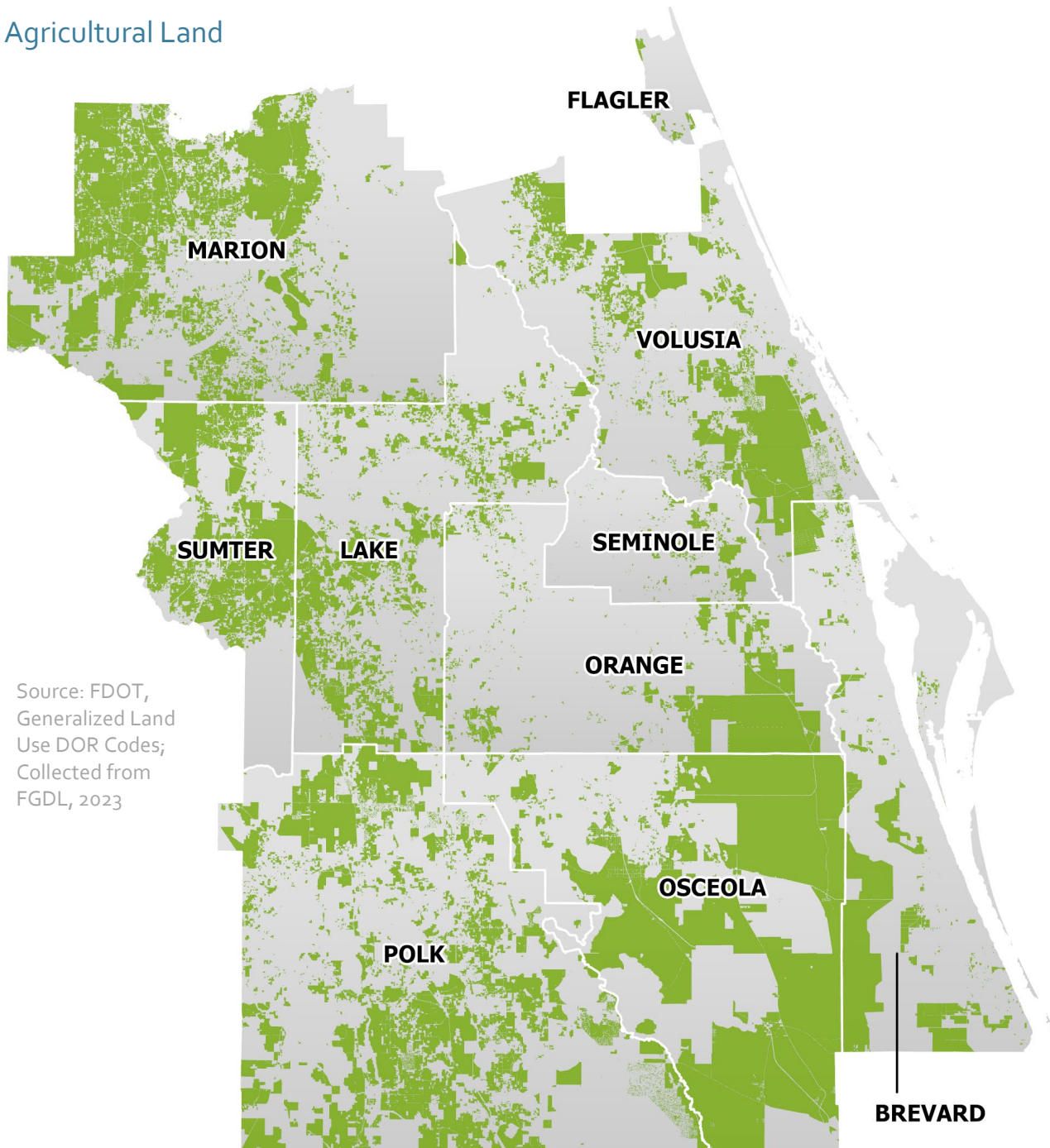
Ocala Marion TPO: 393,415 Acres

Polk TPO: 437,668 Acres

River to Sea TPO: 215,530 Acres

Space Coast TPO: 133,206 Acres

## Agricultural Land



## Conservation Lands

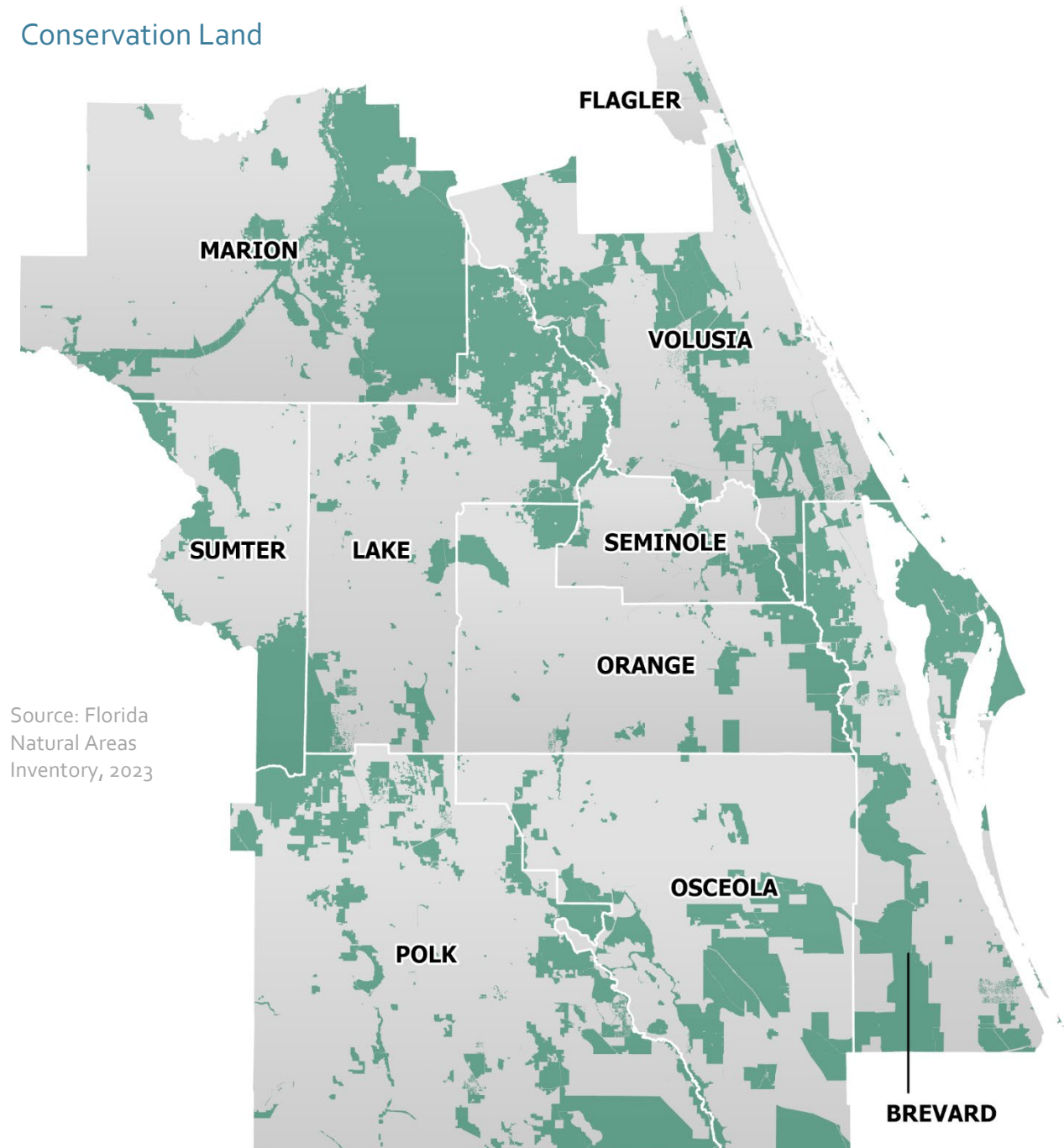
### Florida Natural Lands Inventory

The following map depicts conservation areas in green.<sup>11</sup>  
Regionwide, there are more than 1.9 million acres of conservation land.

Lake-Sumter MPO: 328,471 Acres  
MetroPlan Orlando: 384,639 Acres  
Ocala Marion TPO: 370,549 Acres

Polk TPO: 303,775 Acres  
River to Sea TPO: 259,587 Acres  
Space Coast TPO: 297,317 Acres

## Conservation Land





## 3 | Regional Assets

### Section Outline

- 3.1: Land Assets
- 3.2: Air Assets
- 3.3: Sea Assets
- 3.4: Space Assets

### 3.1 | Land Assets

This section of the report provides detailed analysis of trends relating to land transportation assets that serve the Central Florida MPO Alliance region.

#### State Highway System

There are numerous categories of roadway analyzed in this report, including the National Highway System (NHS), the State Highway System (SHS), the Strategic Intermodal System (SIS), and the roadways included in the Florida Department of Transportation Road Classification Index (RCI). The RCI includes all roadways in the three aforementioned roadway classifications and is the most comprehensive network from an analytical perspective.

The table below summarizes the total number of State Highway System (SHS) miles present by MPO in the Central Florida MPO Alliance region.<sup>12</sup> Additional state and local system analytics are included in future sections of this report, in addition to Appendix 2.

State Highway System	2019	2020	2021	2022	2023	2019-23
Lane Miles	% Change					
Lake-Sumter MPO	1,249	1,254	1,259	1,259	1,291	3.4%
MetroPlan Orlando	3,334	3,343	3,370	3,401	3,501	5.0%
Ocala Marion TPO	944	942	942	942	942	-0.2%
Polk TPO	1,671	1,682	1,682	1,684	1,692	1.3%
River to Sea TPO*	1,744	1,744	1,768	1,768	1,761	1.0%
Space Coast TPO	1,401	1,399	1,403	1,403	1,401	0.0%
<b>CFMPOA Region</b>	<b>10,343</b>	<b>10,364</b>	<b>10,424</b>	<b>10,457</b>	<b>10,588</b>	<b>2.4%</b>

Source(s): Florida Dept. of Transportation, Reports of Highway Mileage, 2019-2023

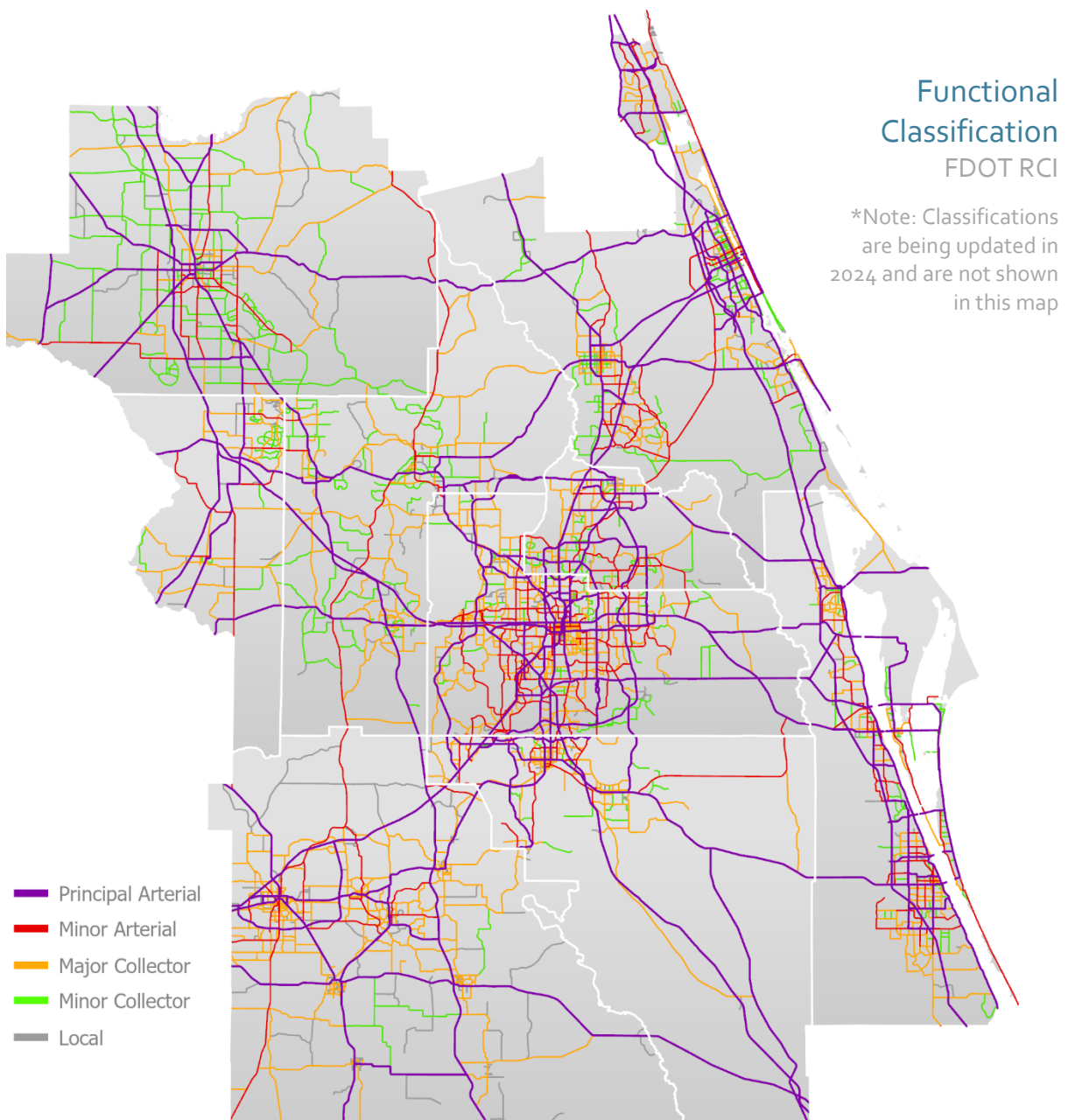
The maps on the following three pages of the report depict FDOT RCI roadways classified by the following metrics, with table summaries:

- Functional Classification<sup>13</sup>
- Annual Average Daily Traffic<sup>14</sup>
- Pavement Conditions<sup>15</sup>

## FDOT Roadways – Functional Classification (FDOT RCI Roadways)

Functional Classification	Principal Arterial	Minor Arterial	Major Collector	Minor Collector
Centerline Miles	Miles	Miles	Miles	Miles
Lake-Sumter MPO	272	136	402	252
MetroPlan Orlando	790	449	790	213
Ocala Marion TPO	222	130	193	408
Polk TPO	300	141	538	39
River to Sea TPO	403	186	249	218
Space Coast TPO	337	157	233	91
<b>CFMPOA Region</b>	<b>2,324</b>	<b>1,199</b>	<b>2,405</b>	<b>1,221</b>

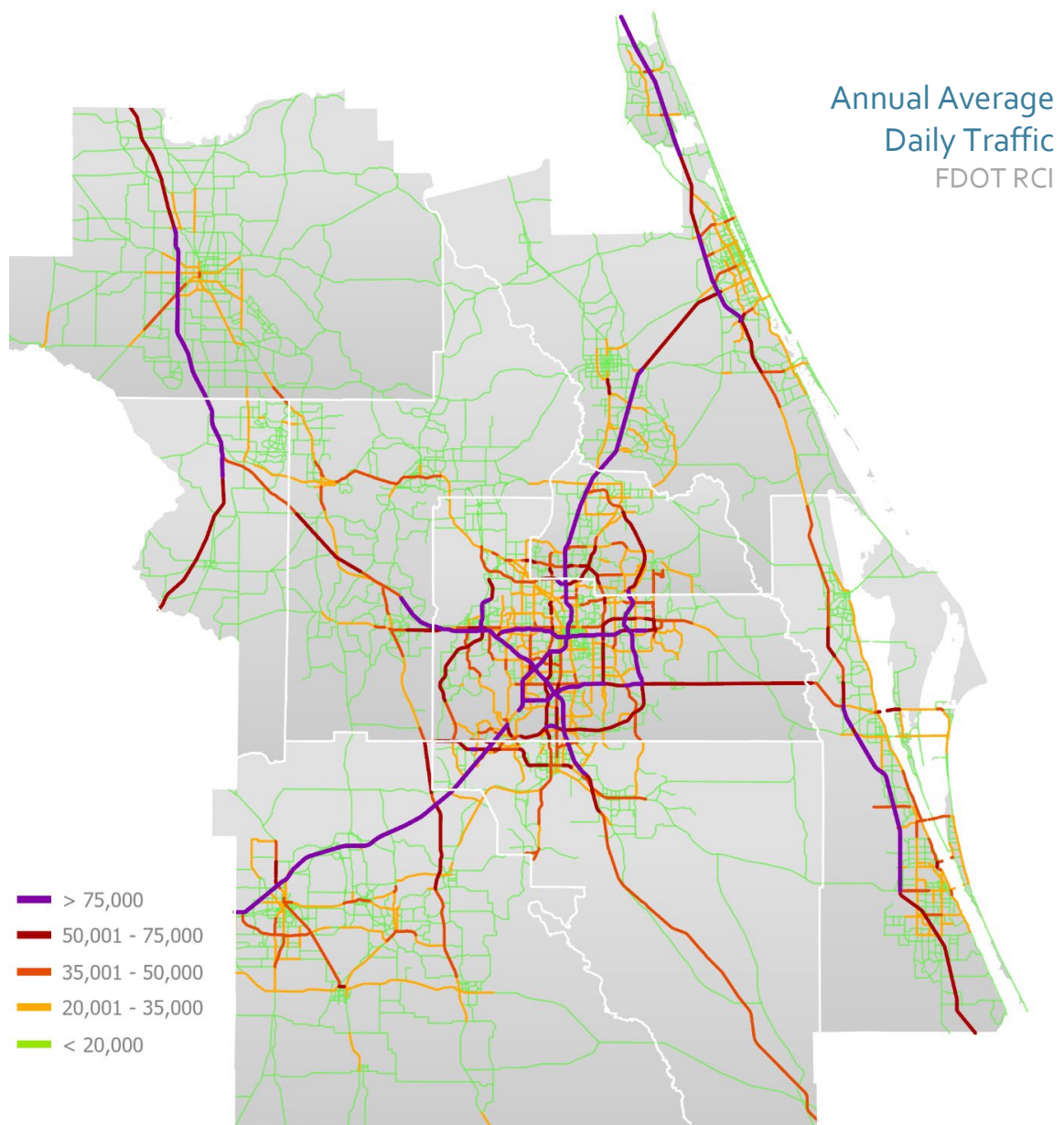
Source(s): Florida Dept. of Transportation, 2024



## FDOT Roadways – Annual Average Daily Traffic (FDOT RCI Roadways)

Annual Avg. Daily Traffic	≤ 20,000	20,001 - 35,000	35,001 - 50,000	50,001 - 75,000	> 75,000
Centerline Miles	Miles	Miles	Miles	Miles	Miles
Lake-Sumter MPO	177	78	51	33	15
MetroPlan Orlando	1,498	454	227	141	126
Ocala Marion TPO	881	73	10	16	22
Polk TPO	847	157	54	20	32
River to Sea TPO	905	145	19	34	45
Space Coast TPO	622	135	53	32	23
<b>CFMPOA Region</b>	<b>4,930</b>	<b>1,042</b>	<b>414</b>	<b>276</b>	<b>263</b>

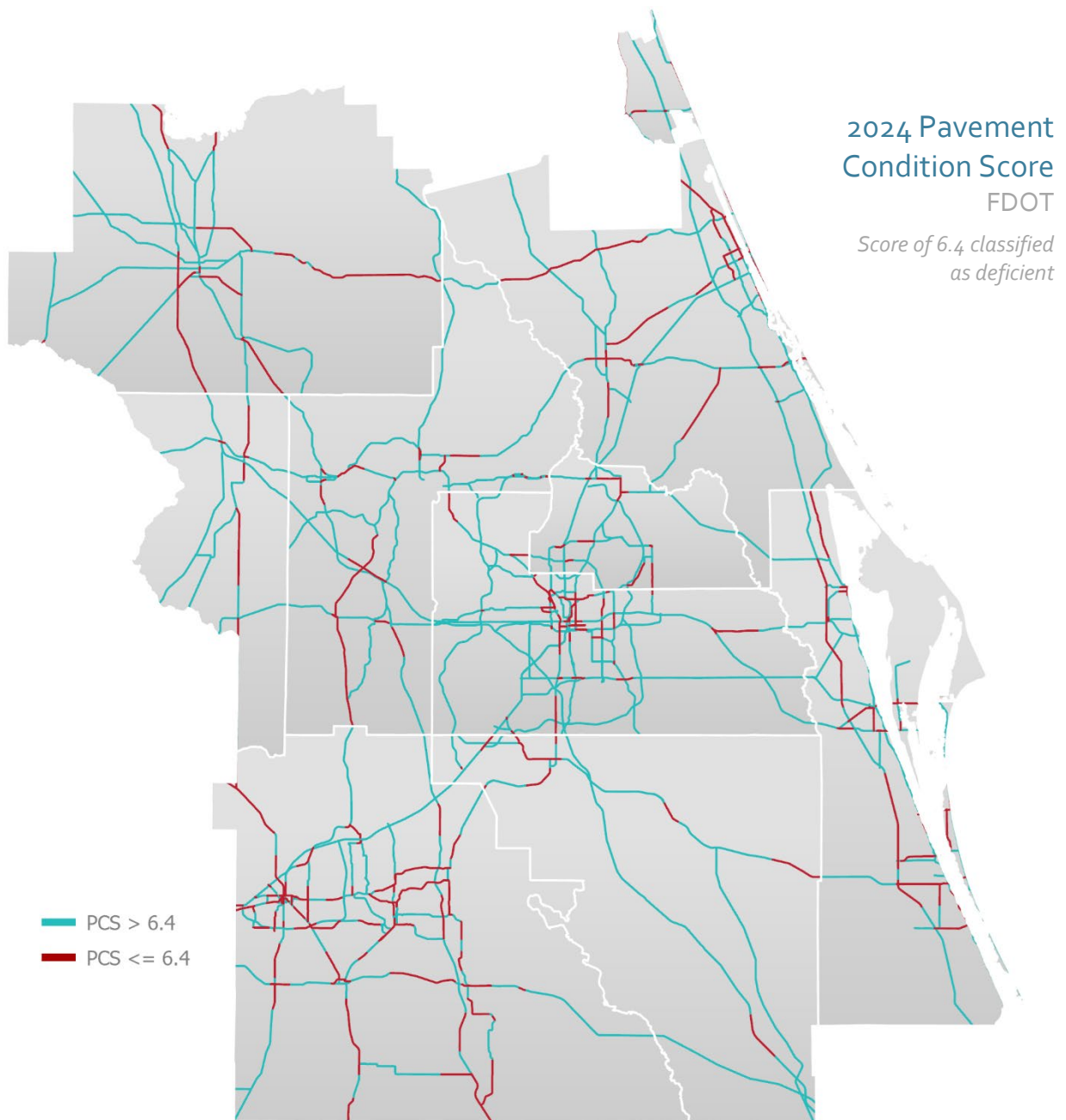
Source(s): Florida Dept. of Transportation RCI, extracted 2024



## FDOT Roadways – Pavement Conditions

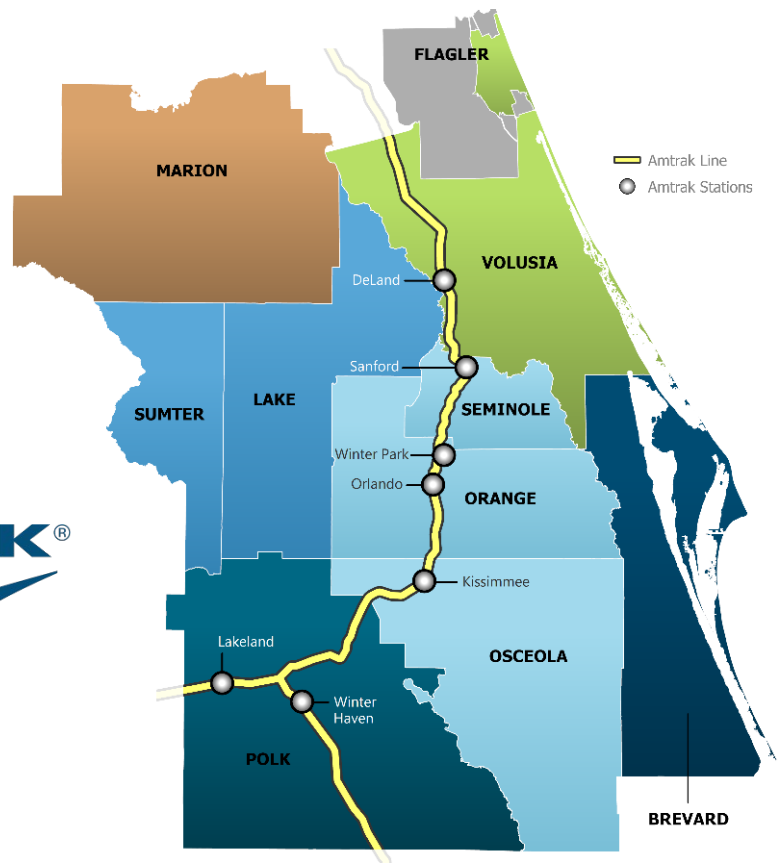
	Interstate			Non-Interstate		
Pavement Condition	Good	Fair	Poor	Good	Fair	Poor
% Lane Miles	% Miles	% Miles	% Miles	% Miles	% Miles	% Miles
Lake-Sumter MPO	79.3%	20.7%	0.0%	61.0%	38.7%	0.4%
MetroPlan Orlando	76.9%	20.5%	2.6%	59.5%	40.2%	0.2%
Ocala Marion TPO	61.9%	37.9%	0.3%	47.8%	51.6%	0.6%
Polk TPO	71.3%	28.7%	0.0%	42.1%	57.3%	0.6%
River to Sea TPO	94.6%	5.4%	0.0%	42.1%	57.5%	0.4%
Space Coast TPO	77.4%	22.6%	0.0%	50.0%	49.8%	0.2%

Source(s): Florida Dept. of Transportation, 2022



## Amtrak

Amtrak serves the Central Florida MPO Alliance with seven stations that connect to cities throughout the state of Florida and the United States. The analysis in this section of the report summarizes Amtrak ridership in the Central Florida region from 2014 to 2023.<sup>16</sup>

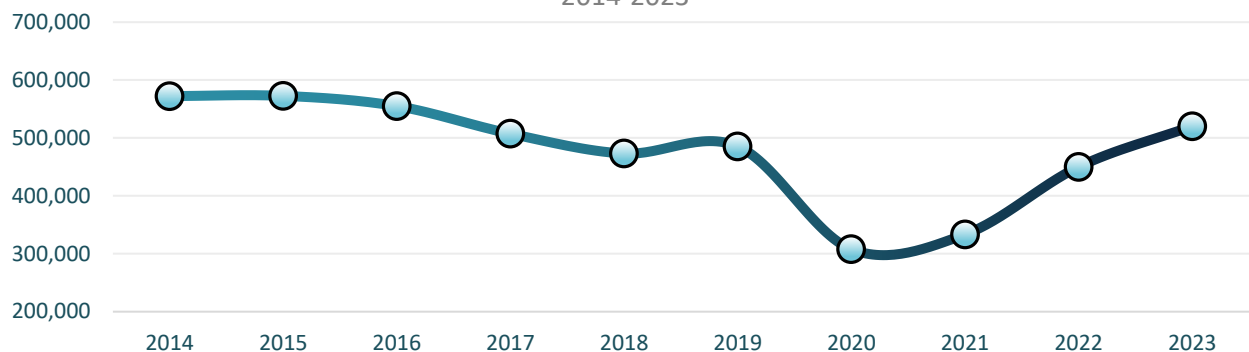


Amtrak Passengers	2019	2020	2021	2022	2023
Station					
DeLand	20,453	12,338	10,433	13,442	16,606
Kissimmee	35,726	20,757	21,158	26,862	33,123
Lakeland	19,186	10,733	2,651	16,803	20,386
Orlando	127,186	72,267	73,327	89,933	135,614
Sanford	236,035	163,468	197,708	269,381	272,896
Winter Haven	19,757	13,321	15,227	17,397	20,735
Winter Park	27,047	14,828	12,993	16,388	21,009
<b>CFMPOA Region</b>	<b>485,390</b>	<b>307,712</b>	<b>333,497</b>	<b>450,206</b>	<b>520,369</b>

Source(s): Amtrak, 2019-2023

## Amtrak Passengers in the Central Florida MPO Region

2014-2023



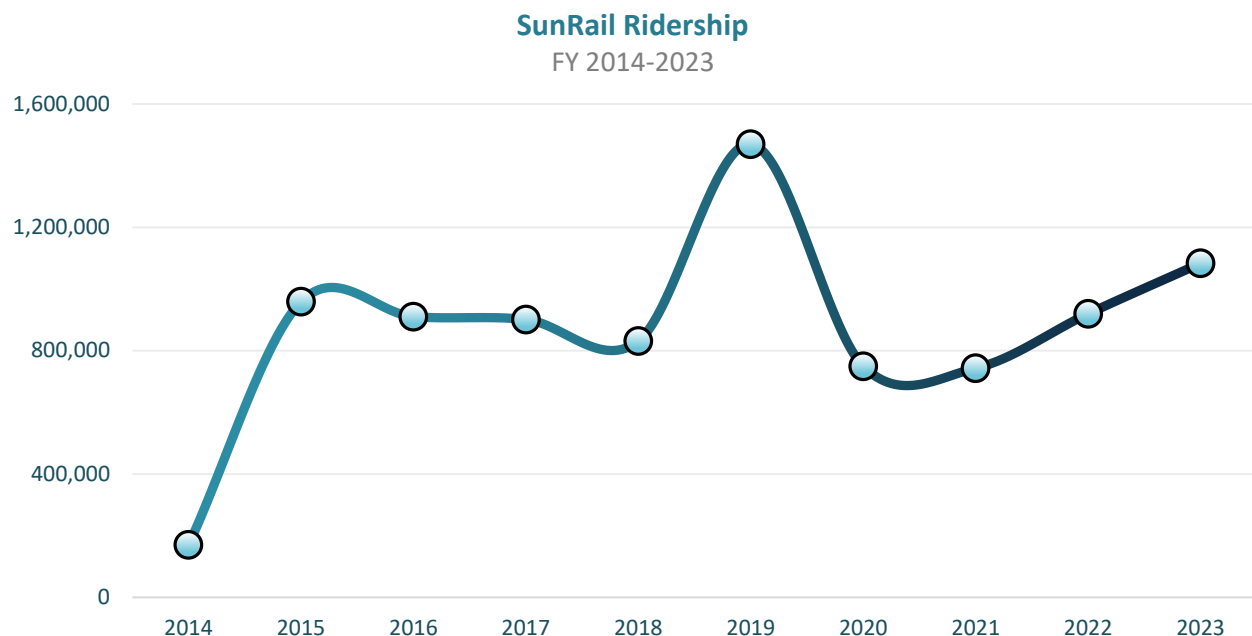


### SunRail

SunRail serves Volusia, Seminole, Orange and Osceola Counties and began operations in 2014. Following partial service during 2014, operations ramped up and annual passenger numbers stayed fairly consistent from 2015 to 2019. In 2019, four new stations opened and ridership increased 77% year over year. Following a drop in ridership as a result of COVID-19, ridership increased in consecutive years in 2021, 2022 and 2023.<sup>17</sup>



SunRail Ridership	2019	2020	2021	2022	2023
All SunRail Stations	1,469,654	749,544	743,395	919,946	1,083,528



**Source(s):** Central Florida Commuter Rail Commission/FDOT, 2014-2023

## Bus Transit

Six bus transit agencies serve the Central Florida MPO Alliance region at different capacities. This portion of the report summarizes bus activity (annual revenue miles and revenue hours), vehicles at peak service, and transit usage (annual passenger miles and trips per capita).<sup>18</sup>



Citrus Connection Usage	2018	2019	2020	2021	2022
Usage Metrics					
Revenue Miles	1,457,881	1,465,800	1,654,747	1,858,524	1,790,750
Revenue Hours	92,634	89,311	99,561	109,995	109,890
Peak Vehicles	32	30	39	41	41
Passenger Miles	6,480,784	6,722,792	4,514,472	3,311,697	3,609,428
Trips Per Capita	1.67	1.68	1.09	0.77	0.85

Source(s): Florida Dept. of Transportation, Florida Transit Information and Performance Handbook 2023

Lake Xpress Usage	2018	2019	2020	2021	2022
Usage Metrics					
Revenue Miles	571,150	567,788	569,841	537,316	548,750
Revenue Hours	33,859	34,221	34,401	31,796	33,196
Peak Vehicles	10	10	10	10	10
Passenger Miles	2,132,469	2,137,828	1,672,249	1,245,415	1,280,457
Trips Per Capita	3.49	3.63	2.69	1.88	2.04

Source(s): Florida Dept. of Transportation, Florida Transit Information and Performance Handbook 2023

LYNX Usage	2018	2019	2020	2021	2022
Usage Metrics					
Revenue Miles	18,272,240	18,478,080	16,919,718	17,298,025	17,049,710
Revenue Hours	1,251,917	1,262,449	1,172,094	1,214,188	1,199,635
Peak Vehicles	457	471	460	515	495
Passenger Miles	146,678,748	155,663,432	94,773,252	74,141,208	86,738,741
Trips Per Capita	11.54	11.45	8.06	6.37	7.06

Source(s): Florida Dept. of Transportation, Florida Transit Information and Performance Handbook 2023

Space Coast Area Transit	2018	2019	2020	2021	2022
Usage Metrics					
Revenue Miles	2,505,383	2,503,841	2,327,251	2,322,006	2,425,249
Revenue Hours	115,583	115,954	111,476	110,329	115,844
Peak Vehicles	70	66	74	52	54
Passenger Miles	15,900,372	15,559,236	11,395,341	9,816,229	10,888,712
Trips Per Capita	3.81	3.69	2.76	2.48	2.70

**Source(s):** Florida Dept. of Transportation, Florida Transit Information and Performance Handbook 2023

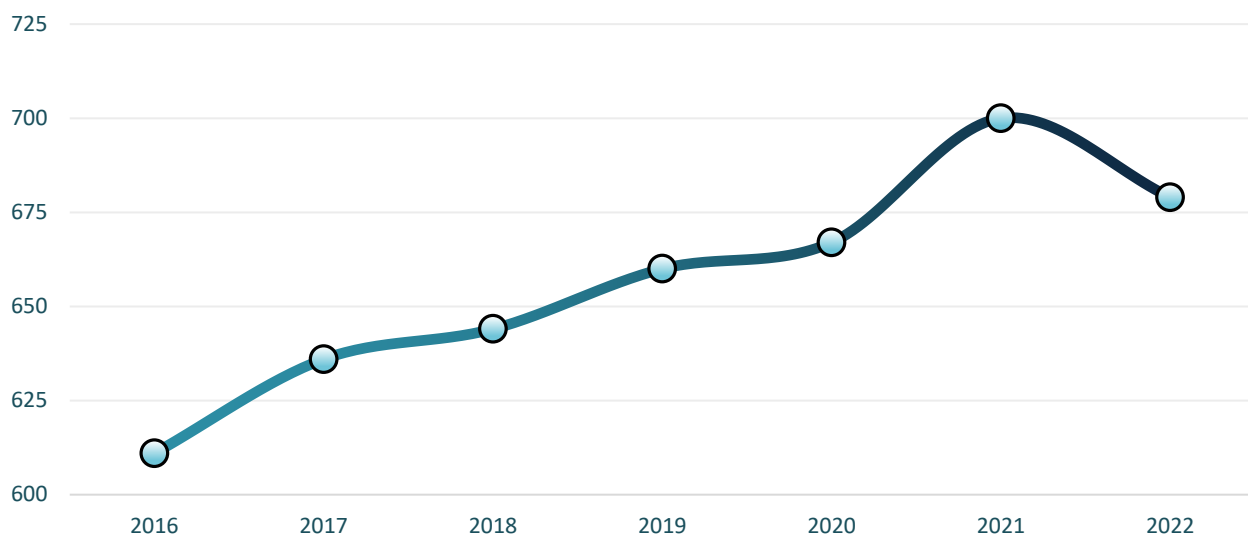
SunTran Usage	2018	2019	2020	2021	2022
Usage Metrics					
Revenue Miles	484,964	480,893	420,323	472,679	492,866
Revenue Hours	30,839	32,036	29,016	33,229	33,031
Peak Vehicles	6	7	7	7	7
Passenger Miles	2,181,109	1,979,804	N/A	N/A	N/A
Trips Per Capita	6.44	5.84	3.97	2.42	2.19

**Source(s):** Florida Dept. of Transportation, Florida Transit Information and Performance Handbook 2023

Votran Usage	2018	2019	2020	2021	2022
Usage Metrics					
Revenue Miles	3,147,083	3,412,477	3,326,989	3,296,708	3,125,325
Revenue Hours	197,698	208,295	210,226	205,088	193,188
Peak Vehicles	69	76	77	75	72
Passenger Miles	14,044,942	14,382,669	10,975,197	9,621,134	9,533,717
Trips Per Capita	6.50	6.42	4.99	4.27	4.19

**Source(s):** Florida Dept. of Transportation, Florida Transit Information and Performance Handbook 2023

### Peak Vehicles Utilized, All CFMPOA Bus Transit Providers 2016-2022 (FDOT)



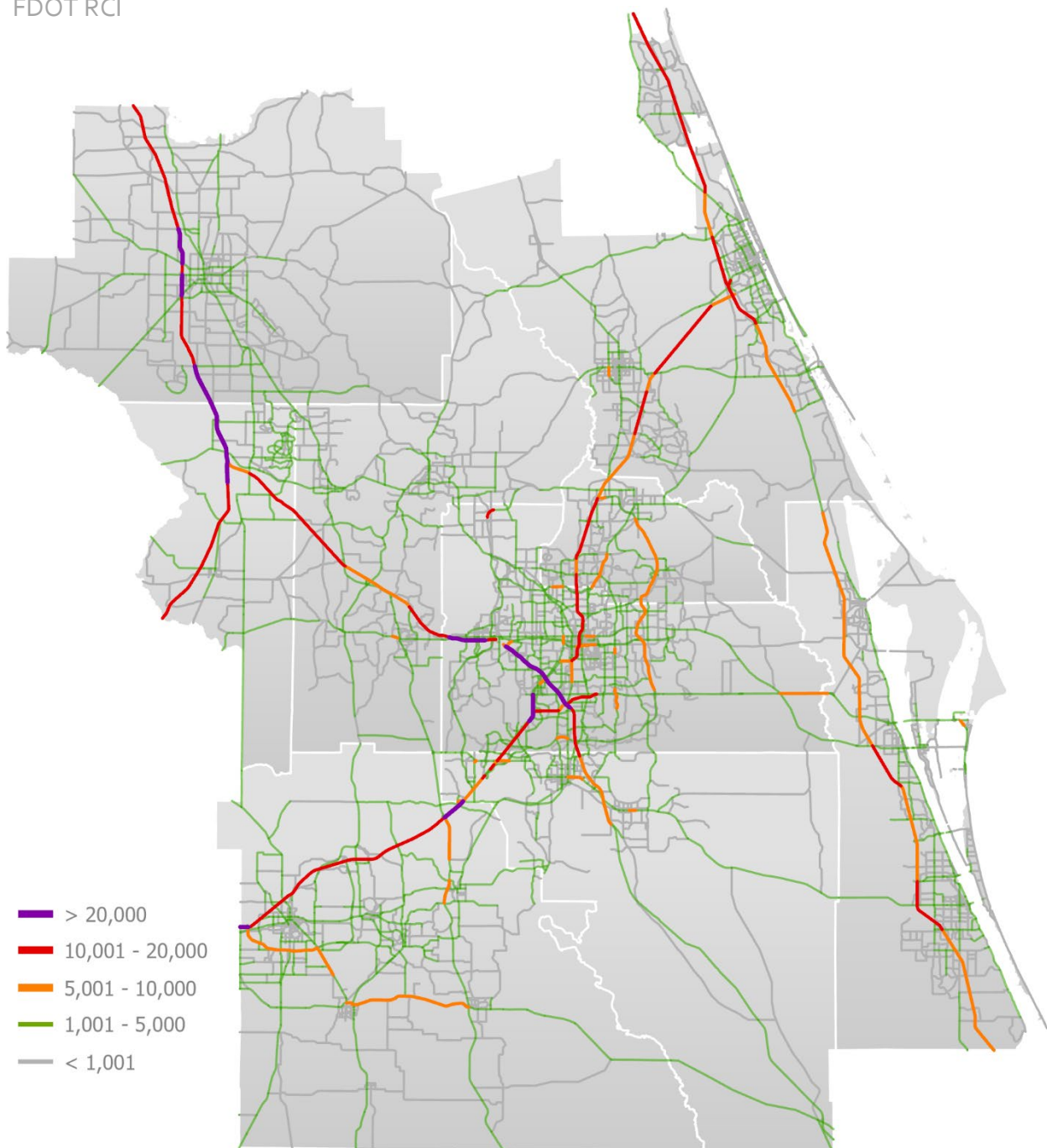
### Freight Movement on Highways

Numerous high-capacity roadways run through the Central Florida MPO Alliance region with semi-trucks carrying goods across the state and nation. Major corridors include Interstate-95, Interstate-4, Interstate 75, Florida's Turnpike, State Road 417, and numerous other state and county roads.

The map below depicts the highest-volume trucking corridors in the Central Florida MPO Alliance region, color coded by annual average daily truck traffic.<sup>19</sup>

### Truck Annual Average Daily Traffic

FDOT RCI



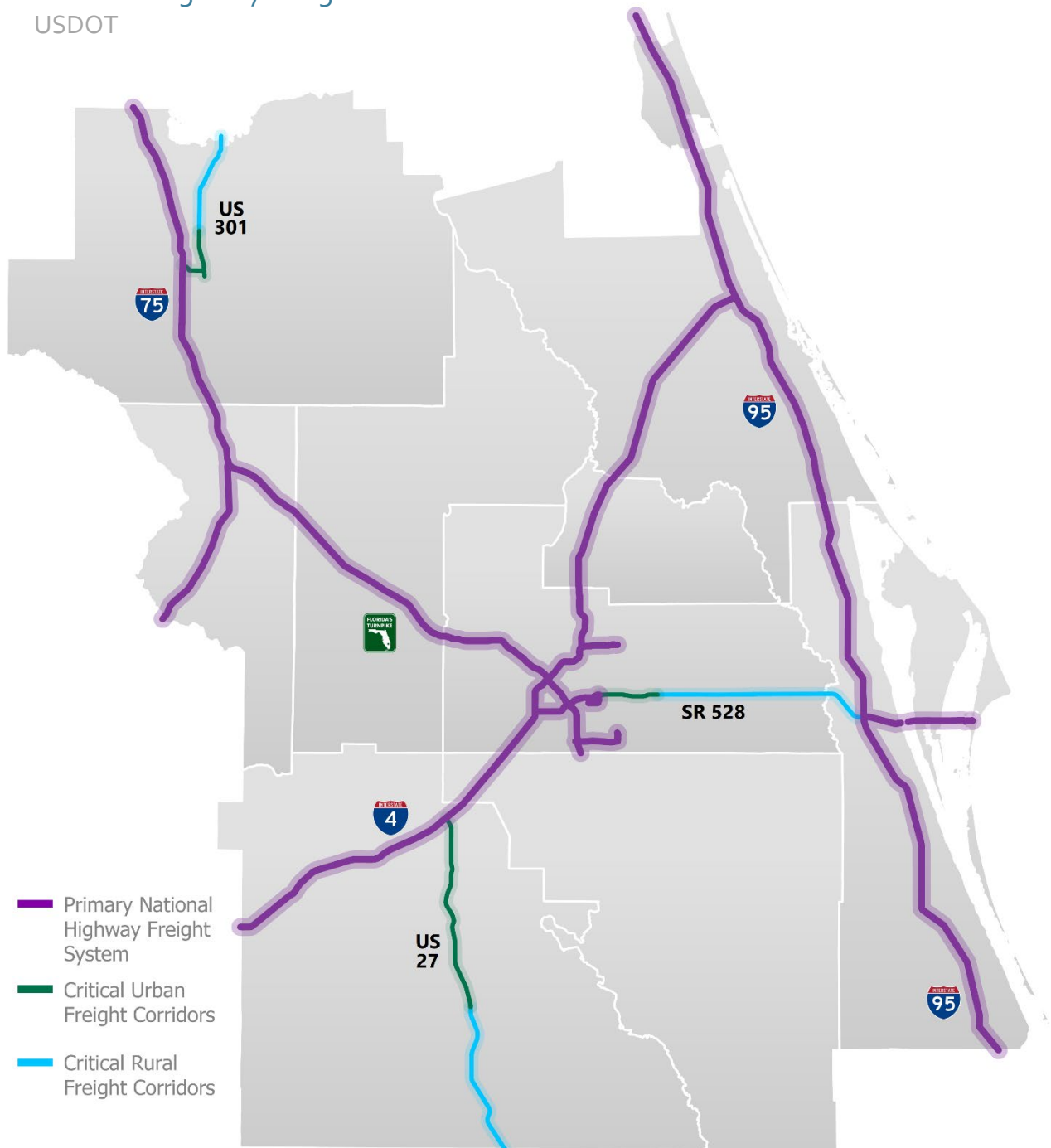
### National Highway Freight Network

The Federal Highway Administration's national freight network, depicted in the map below, closely aligns with the daily truck volumes depicted in the map on the previous page.

Critical corridors within the Central Florida MPO Alliance region that are a part of this system include Interstate-95, Interstate-75, Interstate-4, Florida's Turnpike, State Road 528, U.S. Highway 27, U.S. Highway 301, and other corridors within the core of the Orlando Metro Area. The map below depicts the three major classifications of freight networks as defined by FHWA.<sup>20</sup>

### National Highway Freight Network

USDOT



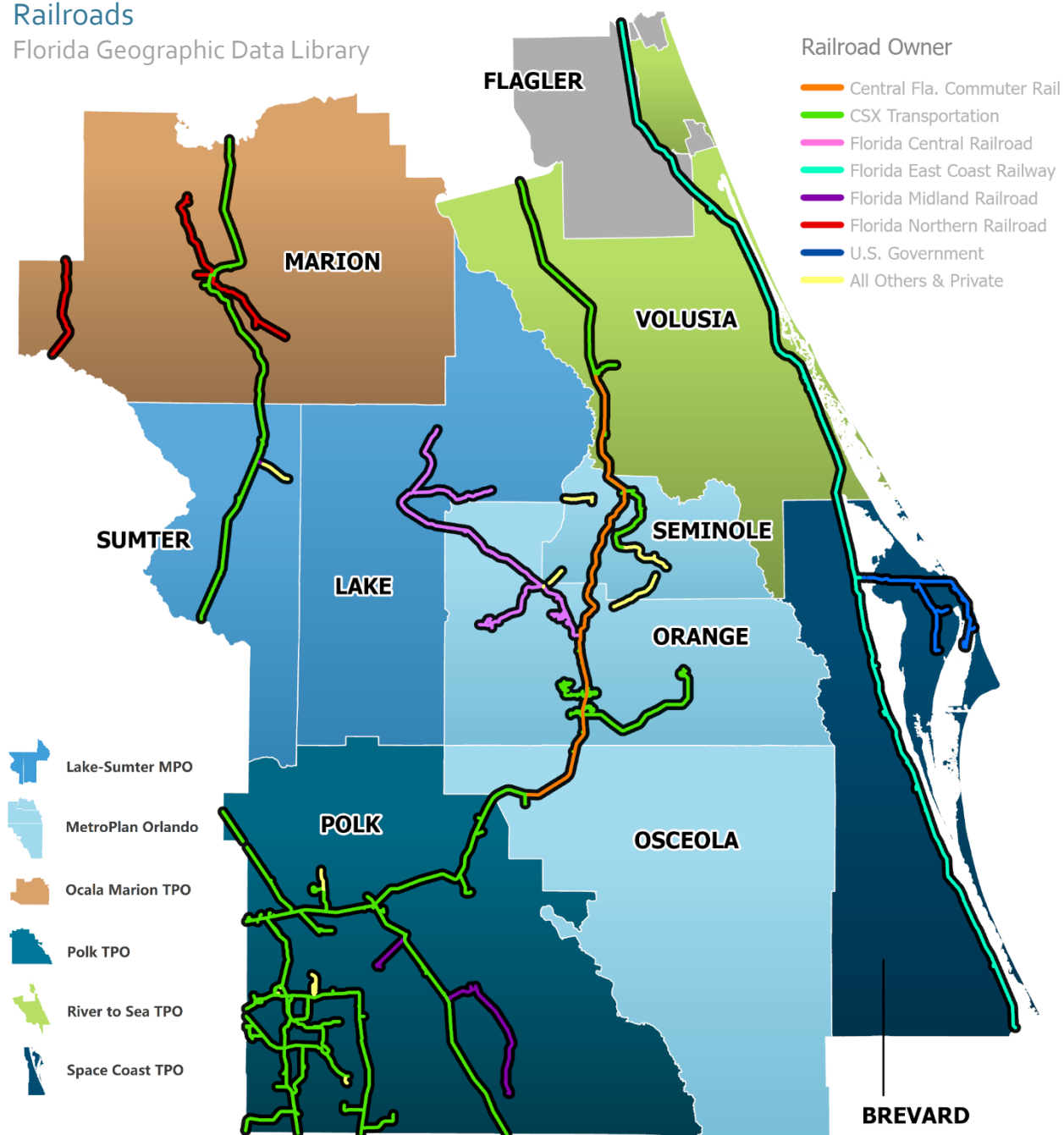
## Railroads

The map below depicts railroads in the Central Florida MPO Alliance region.<sup>21</sup> The primary railroads in the region (by tonnage) are the CSX railroad and the Florida East Coast Railway, which travel through the center of the region and along the Atlantic coast, respectively. The Florida East Coast railway is not directly connected to the region's other railways within the CFMPOA region, as many segments have been discontinued over the past few decades.

CSX Transportation is the largest owner of railroads in the region, as seen below. CSX railroad tracks run through Lake, Marion, Orange, Osceola, Polk, Seminole, Sumter and western Volusia County. Smaller segments of railroad are owned and operated by other third parties.

## Railroads

Florida Geographic Data Library



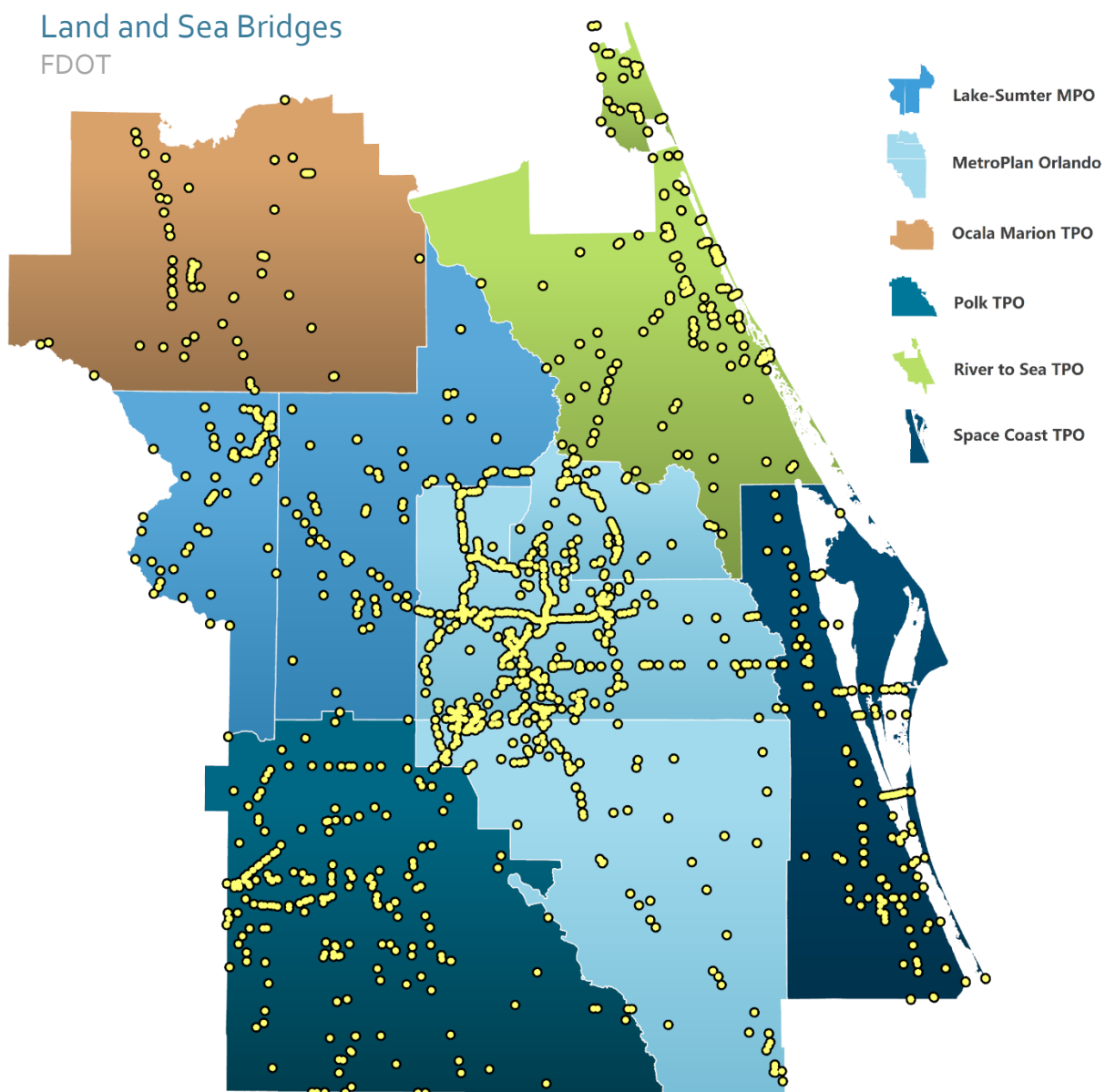


## Bridges

The table below provides summary statistics on land-and-sea-bridges in the Central Florida MPO Alliance region.<sup>22</sup> The map below depicts these bridges in yellow.

Number & Miles of Bridges	Bridges	Bridge Miles	Av. Bridge Miles
Subdivided bridge centerline mileage counted for each side			
Lake-Sumter MPO	194	11.36	0.06
MetroPlan Orlando	1,069	59.85	0.06
Ocala Marion TPO	68	3.54	0.05
Polk TPO	259	8.70	0.03
River to Sea TPO*	197	10.48	0.05
Space Coast TPO	177	7.00	0.04
<b>CFMPOA Region</b>	<b>1,964</b>	<b>100.93</b>	<b>0.05</b>

Source(s): Florida Dept. of Transportation, extracted 2024



### Brightline

Brightline began service in 2023 and provides high speed rail service between south Florida and Orlando International Airport. Service is preliminarily planned to connect to the Tampa Bay region to the west. The expansion from Orlando International Airport to Tampa Bay would include a station at Walt Disney World, providing the first ever multi-modal connection between the two visitation hot spots.<sup>23</sup>

# *brightline*



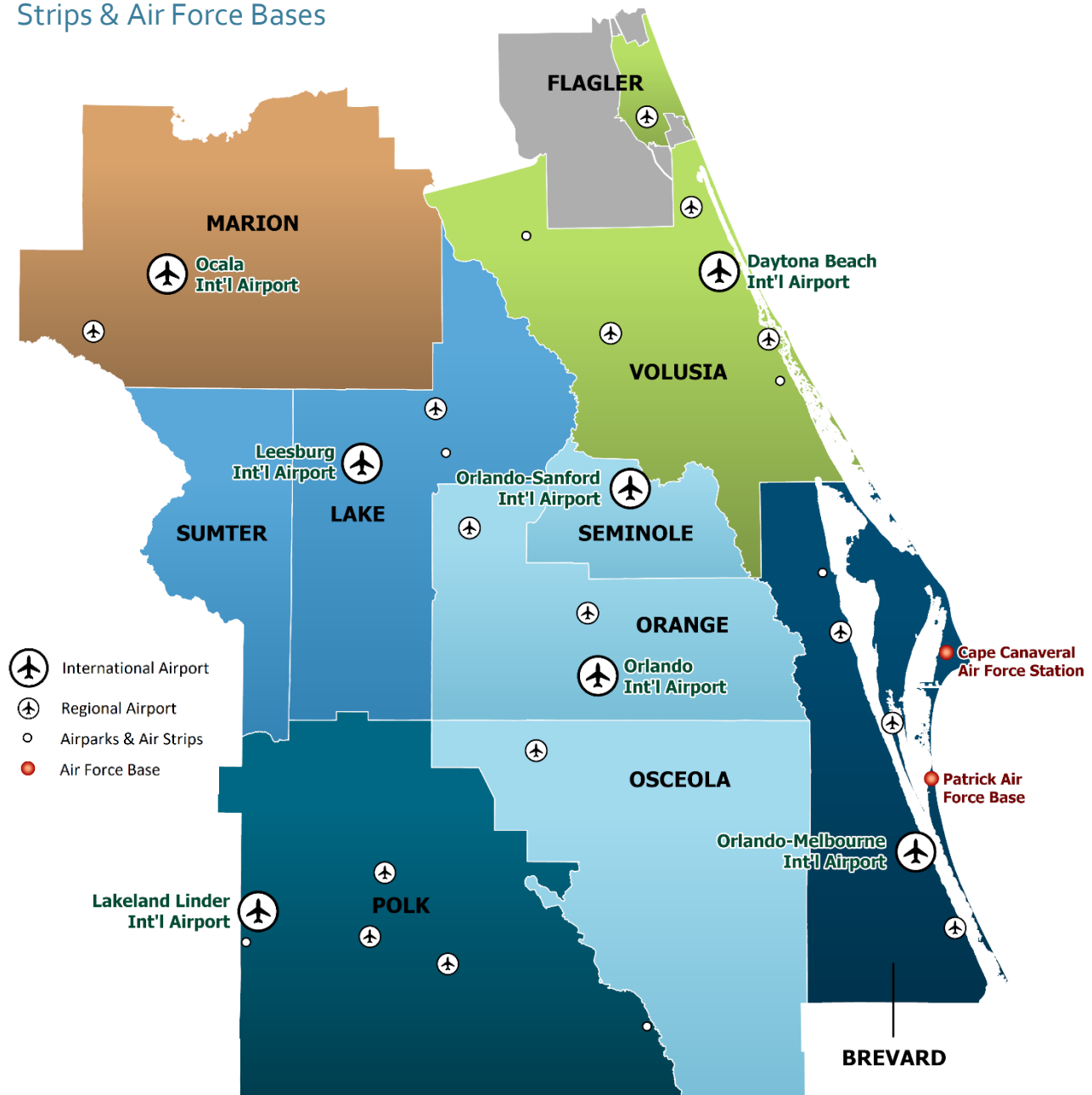
Image Source: Brightline



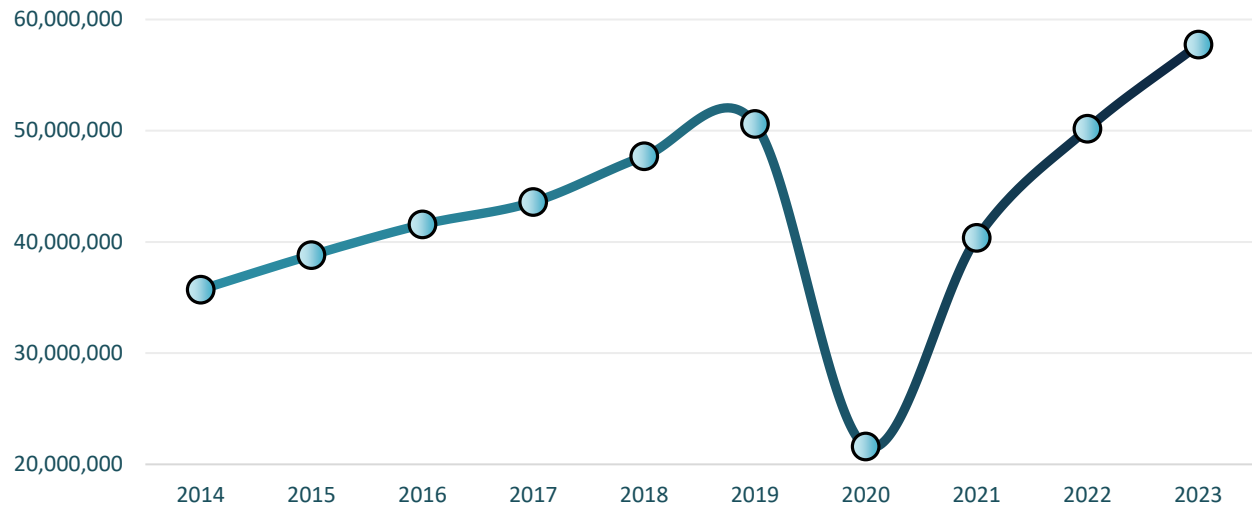
## 3.2 | Air Assets

The Central Florida MPO Alliance region has seven international airports, headlined by Orlando International Airport, one of the busiest airports in the U.S. In addition, the region has 15 municipal/regional airports and two air force bases utilized by the U.S. Military. The map on this page depicts these air assets, by type, and the tables on the following pages provide summaries on passenger volumes for the region's four largest international airports.<sup>24</sup>

### Airports, Airparks, Air Strips & Air Force Bases



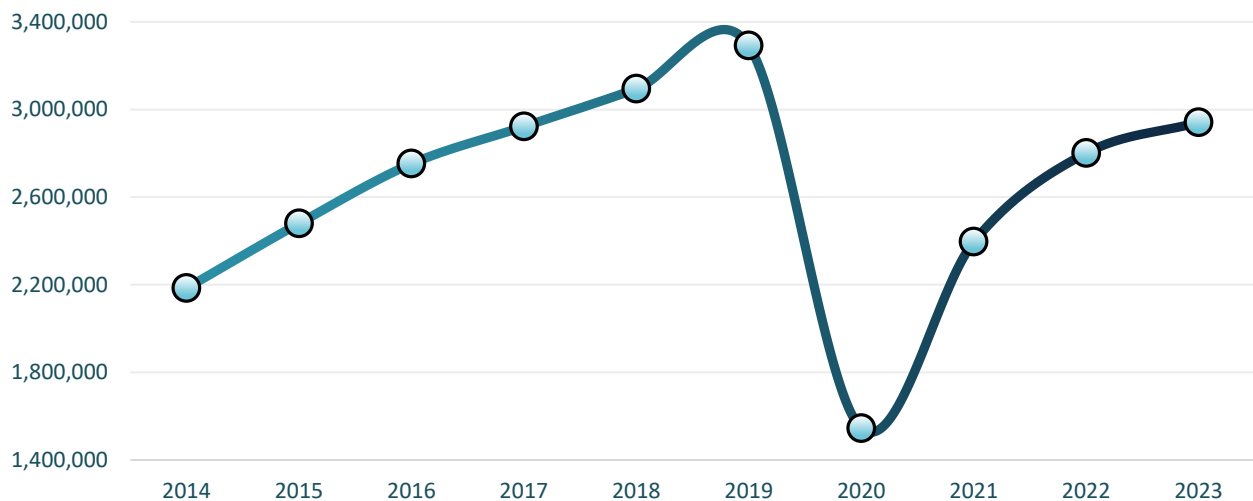
### Orlando International Airport Annual Passengers 2014-2023



Orlando	2018	2019	2020	2021	2022	2023
Total Passengers	47,696,627	50,617,412	21,617,803	40,351,068	50,178,499	57,735,726
Aviation Tonnage	260,305	285,964	247,063	247,243	249,548	N/A
Departure Reliability %	77%	77%	85%	76%	68%	N/A

Source(s): Federal Aviation Administration; U.S Bureau of Transportation Statistics; Orlando International Airport (2023)

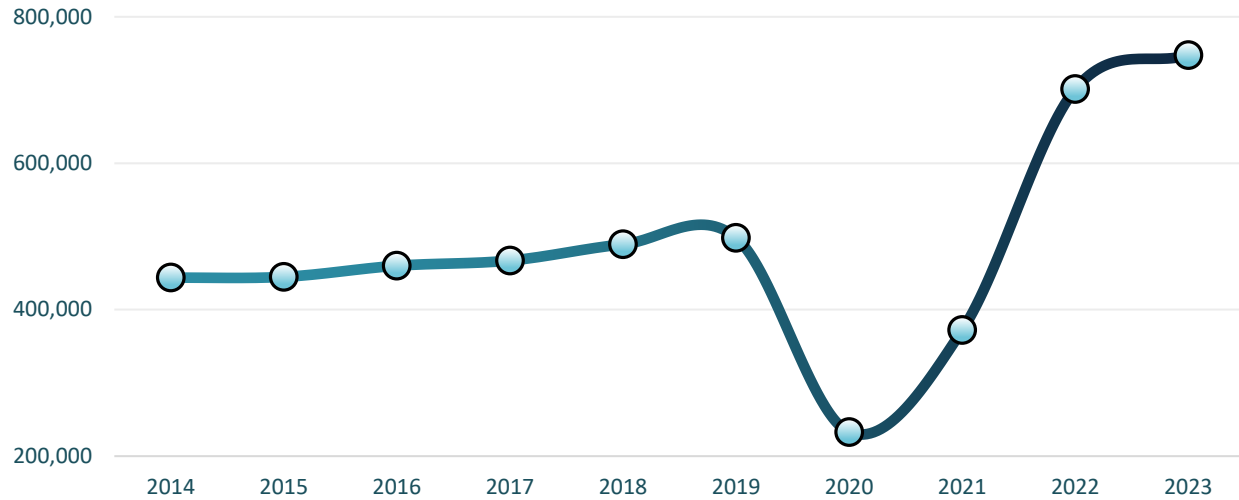
### Orlando-Sanford International Airport Annual Passengers 2014-2023



Orlando-Sanford	2018	2019	2020	2021	2022	2023
Total Passengers	3,094,487	3,291,112	1,545,041	2,396,108	2,801,478	2,941,456
Aviation Tonnage	225	685	30	84	16	N/A
Departure Reliability %	79%	83%	72%	74%	69%	N/A

Source(s): Federal Aviation Administration; U.S Bureau of Transportation Statistics; Orlando-Sanford International Airport (2023)

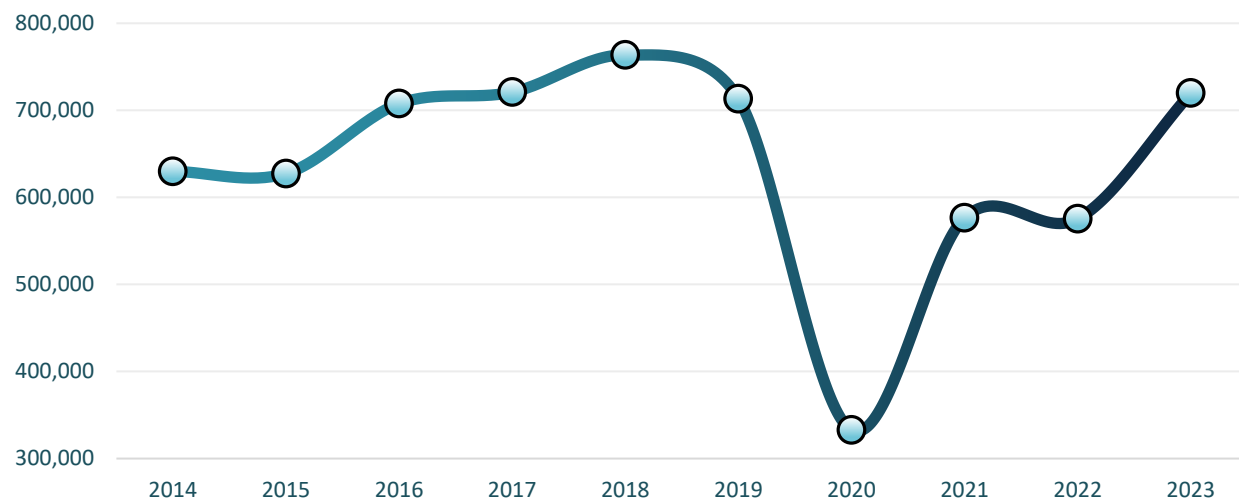
### Orlando-Melbourne International Airport Annual Passengers 2014-2023



Orlando-Melbourne	2018	2019	2020	2021	2022	2023
Total Passengers	489,240	498,184	232,832	372,287	701,257	747,691
Aviation Tonnage	71	70	0	94	1,174	N/A
Departure Reliability %	87%	86%	87%	90%	83%	N/A

Source(s): Federal Aviation Administration; U.S Bureau of Transportation Statistics; Orlando-Melbourne International Airport (2023)

### Daytona Beach International Airport Annual Passengers 2014-2023



Daytona Beach	2018	2019	2020	2021	2022	2023
Total Passengers	763,538	713,287	332,835	576,637	575,360	719,775
Aviation Tonnage	111	69	11	3	2	N/A
Departure Reliability %	82%	85%	87%	88%	82%	N/A

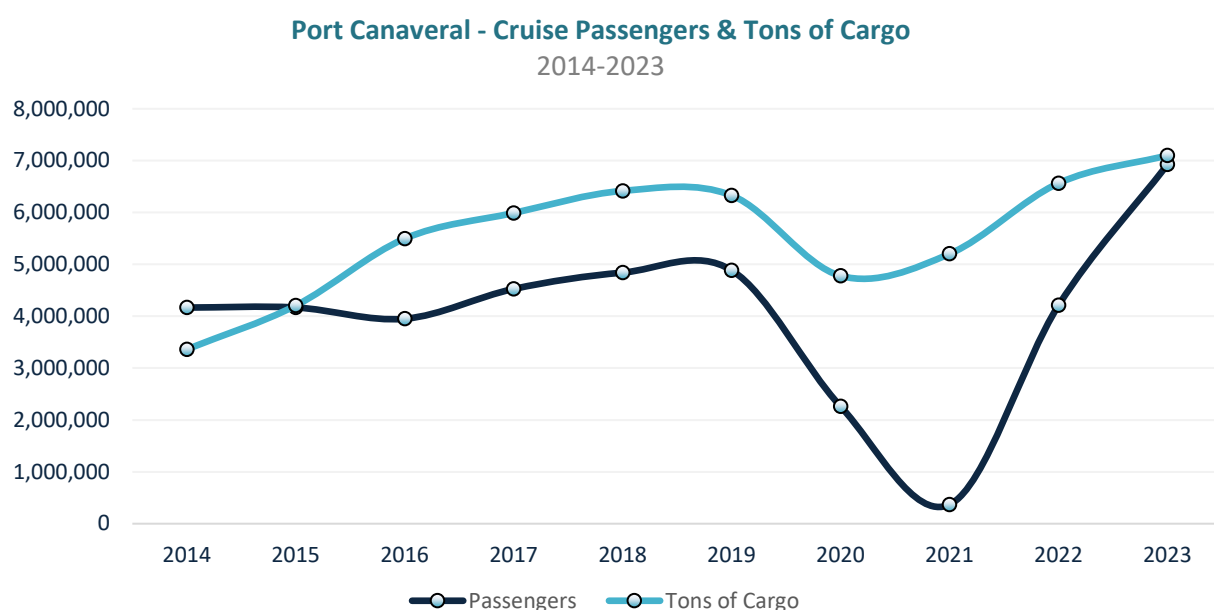
Source(s): Federal Aviation Administration; U.S Bureau of Transportation Statistics; Daytona Beach International Airport (2023)

### 3.3 | Sea Assets

Port Canaveral is a major port that moves cargo and cruise passengers to and from the central Florida coast. The port is the second busiest cruise terminal in the world, serving millions of cruise passengers per year.<sup>25</sup> Port activity bottomed in 2021 as a result of the COVID-19 pandemic before rebounding to previous levels in 2022. The table and chart below summarize the number of cruise passengers and tons of cargo that have used Port Canaveral, by year.<sup>26</sup>

Port Canaveral	2019	2020	2021	2022	2023
Total Passengers	4,885,314	2,387,526	368,915	4,210,260	6,924,865
Tons of Cargo	6,329,095	4,778,369	5,202,535	6,564,851	7,100,712

**Source(s):** Florida Seaport Transportation and Economic Development (FSTED) Council; Port Canaveral



### 3.4 | Space Assets

Kennedy Space Center is among the most unique assets of the Central Florida MPO Alliance region. Since the 1960's, NASA has used the site to launch spacecraft, satellites, cargo and astronauts into space and to the International Space Station. The site has seen a recent resurgence of launch activity, with 254 launches occurring since 2017. In 2021, astronauts once again were launched into space, ending a multiyear period of no astronauts being launched into space from the United States following the cancellation of the space shuttle program. This number increased in 2022 and 2023. The table below summarizes the number of astronauts launched into space and the total number of completed launches, by year.<sup>27</sup>

Space Launches	2017	2018	2019	2020	2021	2022	2023
Launch Sites	6	7	7	8	8	8	8
Completed Launches	19	20	18	31	42	57	67

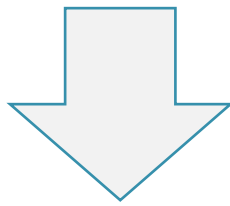
**Source(s):** Space Florida, FDOT. FDOT has an incorrect completed launch value for 2021

## 4 | Mega Trends

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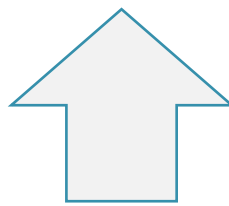
### Section Outline

- 4.1: Safety Concerns
- 4.2: Air Quality
- 4.3: Transportation System Usage, Reliability & Congestion
- 4.4: E-Commerce & Remote Work
- 4.5: Electric Vehicles & Fuel Consumption
- 4.6: Autonomous Vehicles



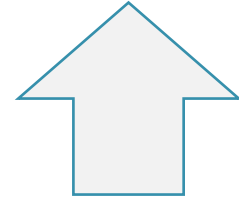
**-6.6%**

Annual Automobile-Involved  
Crashes – Fatal & Non-Fatal  
(2019-2023)



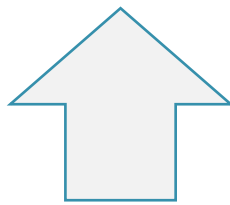
**+5.8%**

Total Annual Vehicle Miles  
Traveled (VMT)  
(2018-2022)



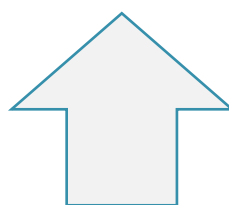
**+9.1%**

Percent of Retail Purchases  
Made Online  
(2014 – 2023)



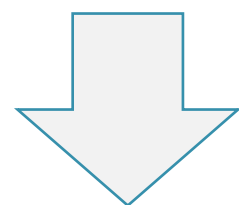
**+11.5%**

Annual Bicyclist-and-  
Pedestrian-Involved Crashes  
(2019 – 2023)



**+2.4%**

Average Ozone Levels at  
Regional Monitoring Stations  
(2019 – 2023)



**-31.9%**

Annual Gasoline Consumption  
in Gallons  
(2018 – 2022)

### 4.1 | Safety Concerns

This section of the report provides detailed tables, charts and maps summarizing automobile-involved crashes in the Central Florida MPO Alliance region from 2013 through 2022. The analyses are broken down by crash type. Crash types include 1) automobile-involved crashes, 2) fatal automobile-involved crashes, 3) bicyclist-and-pedestrian-involved crashes, and 4) fatal bicyclist-and-pedestrian-involved crashes. Crash summaries are further broken down by total number of crashes by County and MPO. Preliminary 2023 data is not included.

### Automobile-Involved Crashes

The tables and chart below summarize automobile-involved crash statistics in the Central Florida MPO Alliance region. The region saw a moderate increase in crashes from 2012 to 2019 before a drop in 2020 resulting from COVID-19. Crash rates partially rebounded in 2021 and 2022, and 2023 data does not show crash numbers reaching pre-COVID levels.<sup>28</sup>

Automobile-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Brevard County	15,172	13,360	15,255	14,974	14,674	73,435
Flagler County*	2,374	2,181	2,372	2,323	2,393	11,643
Lake County	8,413	7,228	8,404	8,696	9,058	41,799
Marion County	9,565	8,439	9,976	10,118	10,384	48,482
Orange County	51,876	35,959	41,797	40,839	41,922	212,393
Osceola County	12,333	8,792	11,475	11,827	11,723	56,150
Polk County	18,243	16,433	19,790	20,068	20,088	94,622
Seminole County	14,592	11,032	12,512	12,470	12,508	63,114
Sumter County	3,073	2,662	3,327	3,434	3,625	16,121
Volusia County	15,721	13,632	15,856	15,248	14,993	75,450
<b>CFMPOA Region</b>	<b>151,362</b>	<b>119,718</b>	<b>140,764</b>	<b>139,997</b>	<b>141,368</b>	<b>693,209</b>

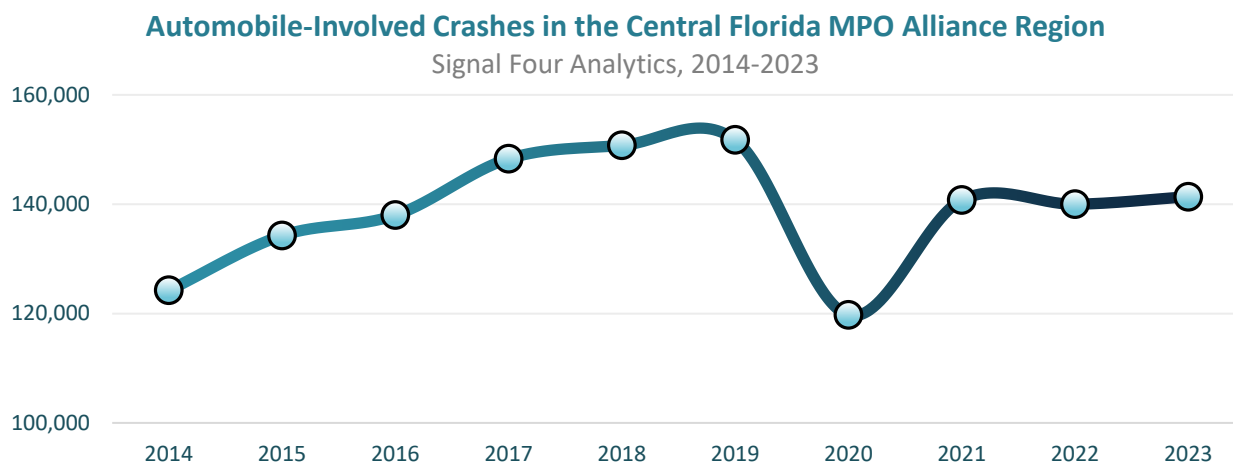
\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Signal 4 Analytics, 2019-2023

Automobile-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Lake-Sumter MPO	11,486	9,890	11,731	12,130	12,683	57,920
MetroPlan Orlando	78,801	55,783	65,784	65,136	66,153	331,657
Ocala Marion TPO	9,565	8,439	9,976	10,118	10,384	48,482
Polk TPO	18,243	16,433	19,790	20,068	20,088	94,622
River to Sea TPO*	18,095	15,813	18,228	17,571	17,386	87,093
Space Coast TPO	15,172	13,360	15,255	14,974	14,674	73,435

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Signal 4 Analytics, 2019-2023



### Fatal Automobile-Involved Crashes

The tables and chart below summarize fatal automobile-involved crash statistics in the Central Florida MPO Alliance Region. The trend turned downward from 2022 to 2023.<sup>28</sup>

Fatal Automobile-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Brevard County	74	74	96	94	100	438
Flagler County*	10	23	16	25	25	99
Lake County	53	52	55	65	68	293
Marion County	82	94	84	107	94	461
Orange County	163	167	202	202	172	906
Osceola County	66	49	49	69	72	305
Polk County	117	122	173	124	145	681
Seminole County	43	34	33	49	48	207
Sumter County	22	22	26	35	20	125
Volusia County	119	128	136	127	106	616
<b>CFMPOA Region</b>	<b>749</b>	<b>765</b>	<b>870</b>	<b>897</b>	<b>850</b>	<b>4,131</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Signal 4 Analytics, 2019-2023

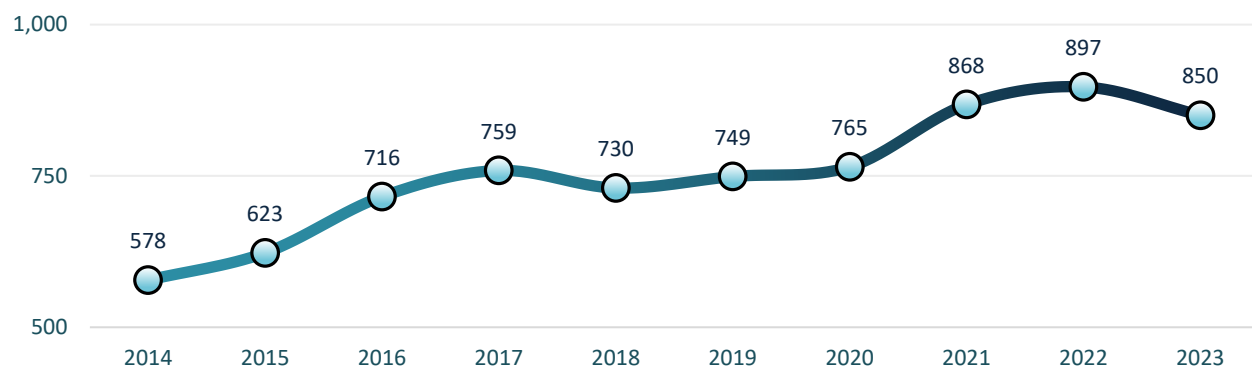
Fatal Automobile-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Lake-Sumter MPO	75	74	81	100	88	418
MetroPlan Orlando	272	250	284	320	292	1,418
Ocala Marion TPO	82	94	84	107	94	461
Polk TPO	117	122	173	124	145	681
River to Sea TPO*	129	151	152	152	131	715
Space Coast TPO	74	74	96	94	100	438

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Signal 4 Analytics, 2019-2023

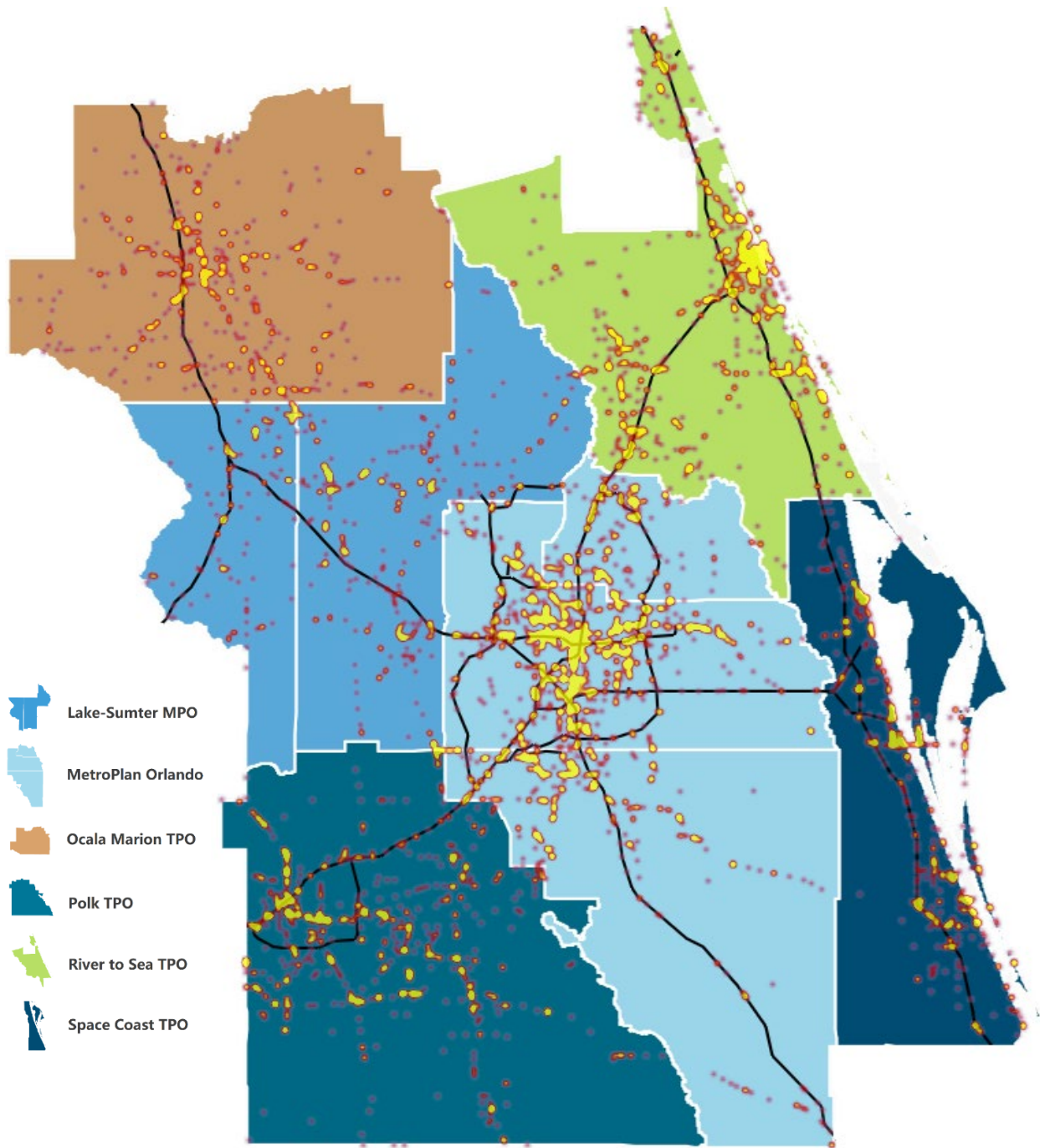
### Fatal Crashes in the Central Florida MPO Alliance Region

Signal Four Analytics, 2014-2023



## Fatal Automobile-Involved Crash Hot Spots

Signal Four Analytics





### Bicyclist-and-Pedestrian-Involved Crashes

The tables and chart below summarize bicyclist-and-pedestrian-involved crashes in the Central Florida MPO Alliance region. Overall, there has been a general uptrend in the region since 2013, with a sharp decrease in 2020 resulting from COVID-19.<sup>28</sup>

Bike-Ped-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Brevard County	508	480	528	587	650	2,753
Flagler County*	70	66	74	82	96	388
Lake County	204	196	221	248	263	1,132
Marion County	251	218	211	261	294	1,235
Orange County	1,293	994	1,091	1,205	1,281	5,864
Osceola County	279	232	262	308	272	1,353
Polk County	549	505	560	608	637	2,859
Seminole County	343	327	386	413	395	1,864
Sumter County	60	71	81	74	65	351
Volusia County	578	536	621	657	658	3,050
<b>CFMPOA Region</b>	<b>4,135</b>	<b>3,625</b>	<b>4,035</b>	<b>4,443</b>	<b>4,611</b>	<b>20,849</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Signal 4 Analytics, 2019-2023

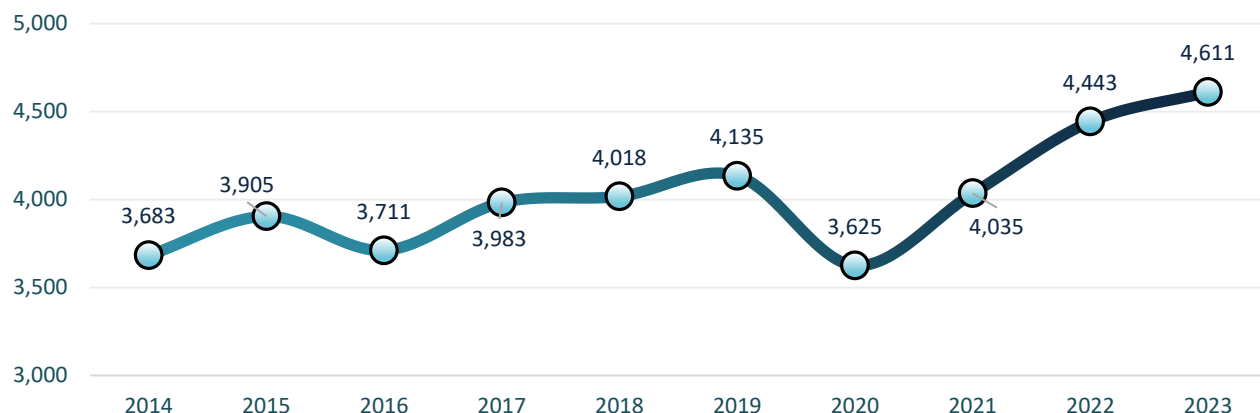
Bike-Ped-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Lake-Sumter MPO	264	267	302	322	328	1,483
MetroPlan Orlando	1,915	1,553	1,739	1,926	1,948	9,081
Ocala Marion TPO	251	218	211	261	294	1,235
Polk TPO	549	505	560	608	637	2,859
River to Sea TPO*	648	602	695	739	754	3,438
Space Coast TPO	508	480	528	587	650	2,753

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Signal 4 Analytics, 2019-2023

### Bicyclist-and-Pedestrian-Involved Crashes, CFMPOA Region

Signal Four Analytics, 2019-2023



### Fatal Bicyclist-and-Pedestrian-Involved Crashes

The tables and chart below summarize fatal bicyclist-and-pedestrian-involved crashes in the Central Florida MPO Alliance region. Overall, the trend is increasing from 2014 to 2023.<sup>28</sup>

Fatal Bike-Ped-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Brevard County	20	19	34	33	33	139
Flagler County*	1	3	3	3	5	15
Lake County	16	11	7	15	14	63
Marion County	22	24	22	23	19	110
Orange County	66	52	86	71	76	351
Osceola County	21	13	7	19	27	87
Polk County	29	29	36	31	40	165
Seminole County	13	13	10	16	14	66
Sumter County	3	4	5	4	2	18
Volusia County	29	37	37	28	30	161
<b>CFMPOA Region</b>	<b>220</b>	<b>205</b>	<b>247</b>	<b>243</b>	<b>260</b>	<b>1,175</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Signal 4 Analytics, 2019-2023

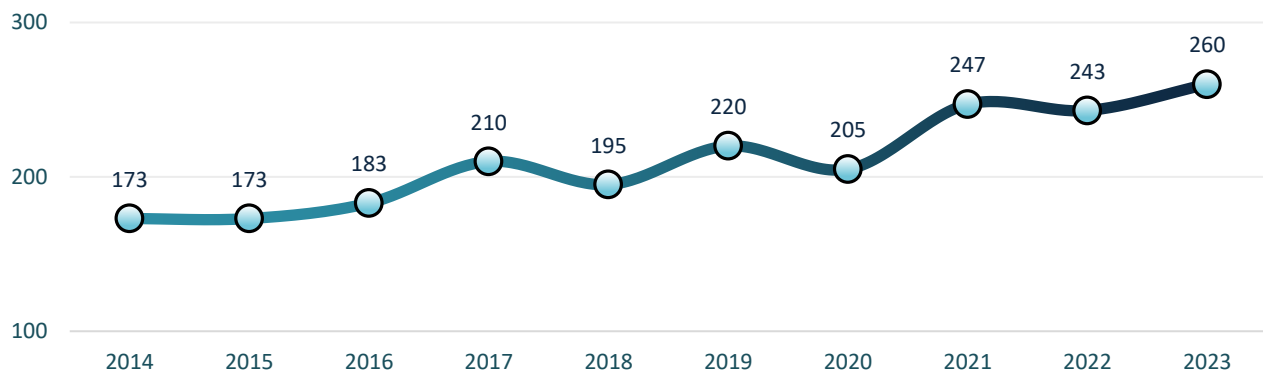
Fatal Bike-Ped-Involved Crashes	2019	2020	2021	2022	2023	Total
2019-2023						
Lake-Sumter MPO	19	15	12	19	16	81
MetroPlan Orlando	100	78	103	106	117	504
Ocala Marion TPO	22	24	22	23	19	110
Polk TPO	29	29	36	31	40	165
River to Sea TPO*	30	40	40	31	35	176
Space Coast TPO	20	19	34	33	33	139

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Signal 4 Analytics, 2019-2023

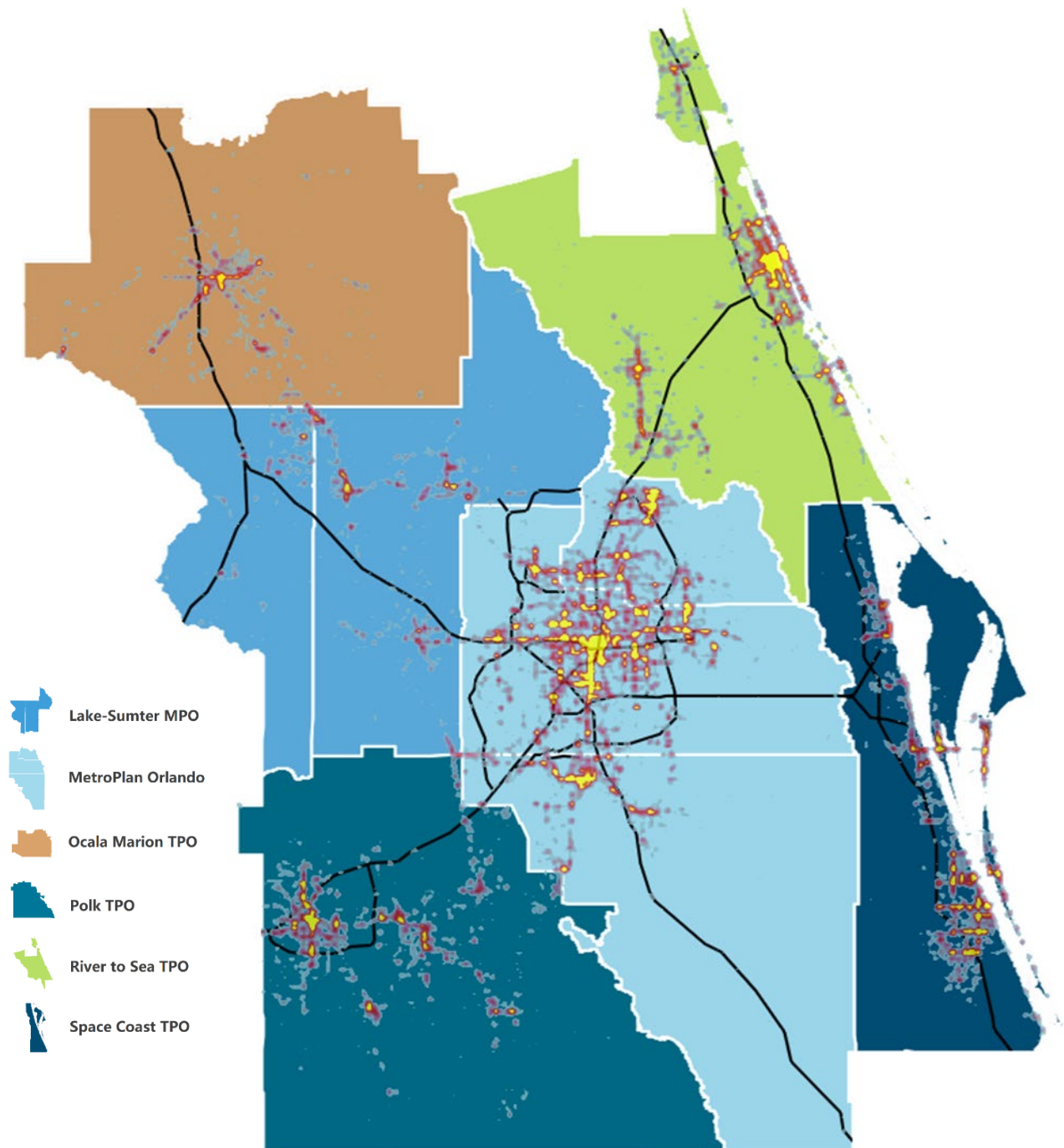
### Fatal Bicyclist-and-Pedestrian-Involved Crashes, CFMPOA Region

Signal Four Analytics, 2014-2023



## Bicycle-and-Pedestrian Involved Crash Hot Spots

Signal Four Analytics



## 4.2 | 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, is an important issue to stakeholders in the Central Florida region. In 2015, the Environmental Protection Agency (EPA) revised the standard for ozone from 75 parts per billion to 70 parts per billion during any eight-hour period. An area is 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.<sup>29</sup>

The following table shows the fourth-highest eight-hour average reading, shown in parts per billion, for ozone monitoring sites in the Central Florida MPO Alliance Region from 2019 through 2023.<sup>29</sup>

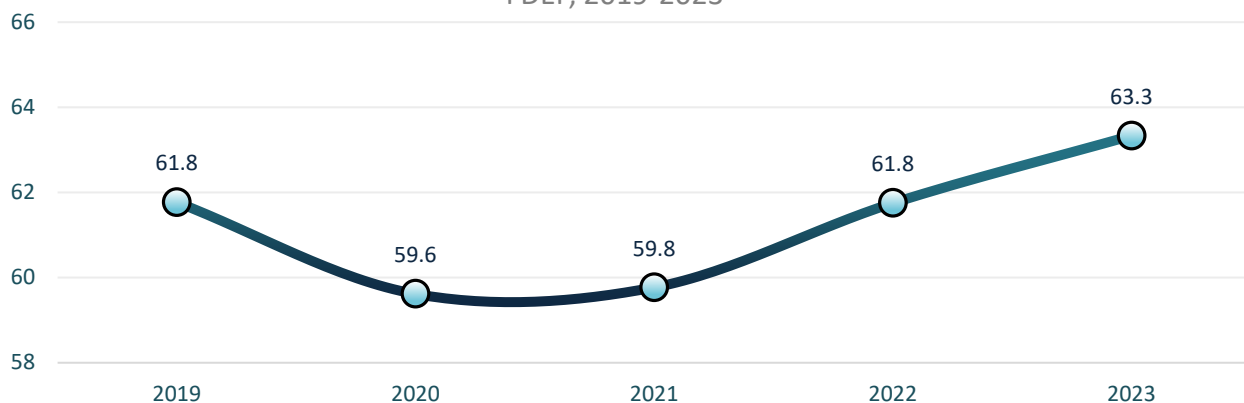
Ozone Levels (Parts Per Billion)	2019	2020	2021	2022	2023	Average
Melbourne (Brevard)	48	58	59	61	63	57.8
Freedom 7 Elementary (Brevard)	58	58	59	61	64	60.0
Sawgrass Road, Bunnell (Flagler)	56	53	56	60	59	56.8
1901 Johns Lake Road (Lake)	67	62	60	N/A	N/A	63.0
Ocala YMCA (Marion)	62	61	63	63	63	62.4
County Impound (Marion)	59	57	58	59	59	58.4
Skyview Drive (Orange)	65	62	61	66	68	64.4
Lake Isles Estates (Orange)	65	62	60	66	69	64.4
Four Corners (Osceola)	72	60	62	61	62	63.4
Sikes Elementary (Polk)	66	61	61	63	67	63.6
Baptist Children's Home (Polk)	67	62	59	61	64	62.6
Seminole State College (Seminole)	62	60	62	60	63	61.4
Daytona Blind Service (Volusia)	56	59	57	60	59	58.2
<b>Average</b>	<b>61.8</b>	<b>59.6</b>	<b>59.8</b>	<b>61.8</b>	<b>63.3</b>	<b>61.3</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Department of Environmental Protection, 2019-2023

### Average Ozone Levels, 13 CFMPOA Region Monitoring Stations

FDEP, 2019-2023



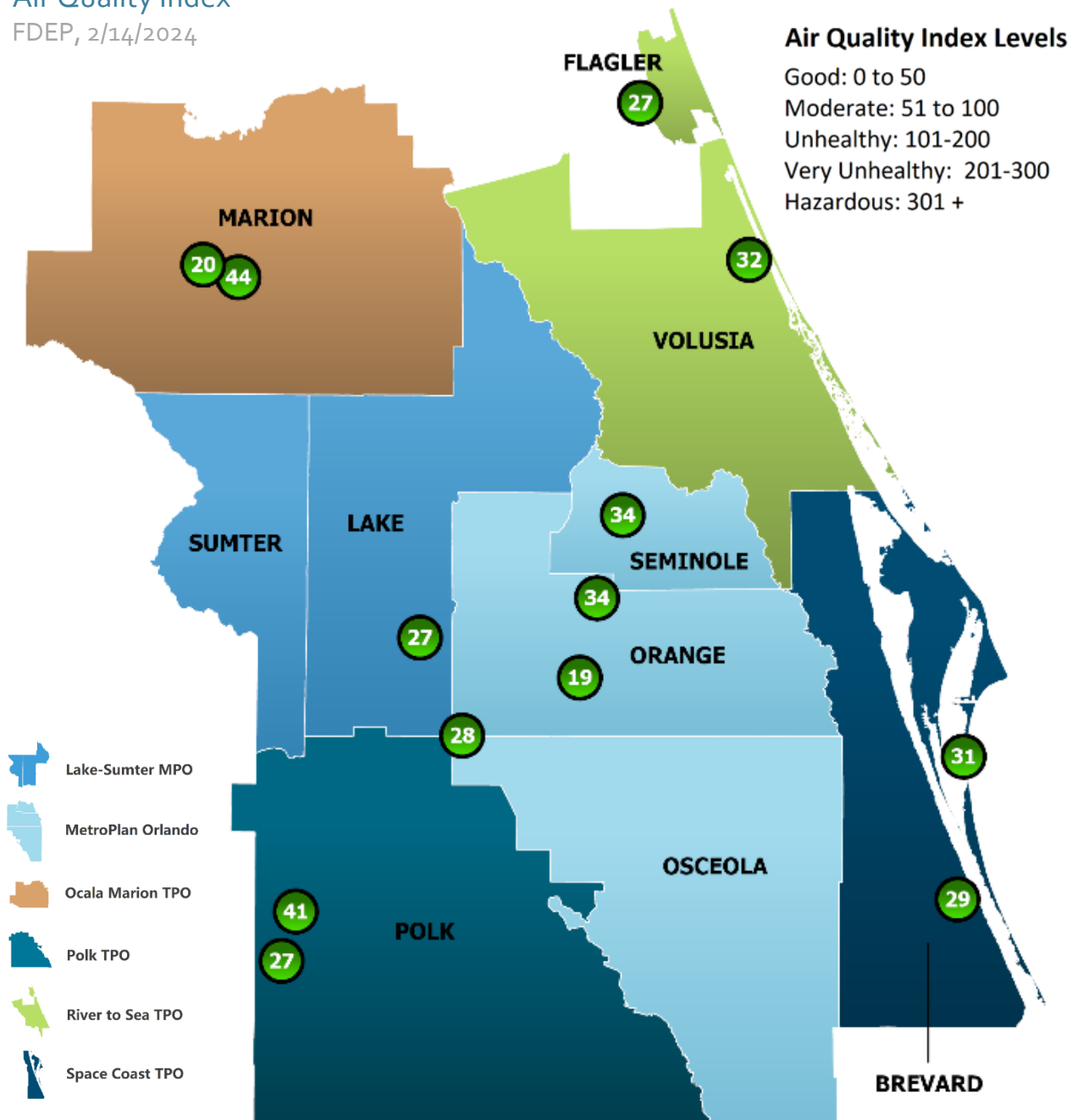
### Air Quality Index (AQI)

The Air Quality Index (AQI) is a 0 to 500 score that measures overall air quality from air quality monitoring stations around the United States. The national standard for 'satisfactory' air quality as part of this index is a score of 100. The Air Quality Index measures five major air pollutants that are regulated by the Clean Air Act. These pollutants include ground-level ozone, particle pollution (PM 2.5 and PM 10), carbon monoxide, sulfur dioxide, and nitrogen dioxide.

The map below shows the Air Quality Index for 13 monitoring stations in the Central Florida MPO Alliance region as of February 14, 2024.<sup>30</sup>

### Air Quality Index

FDEP, 2/14/2024

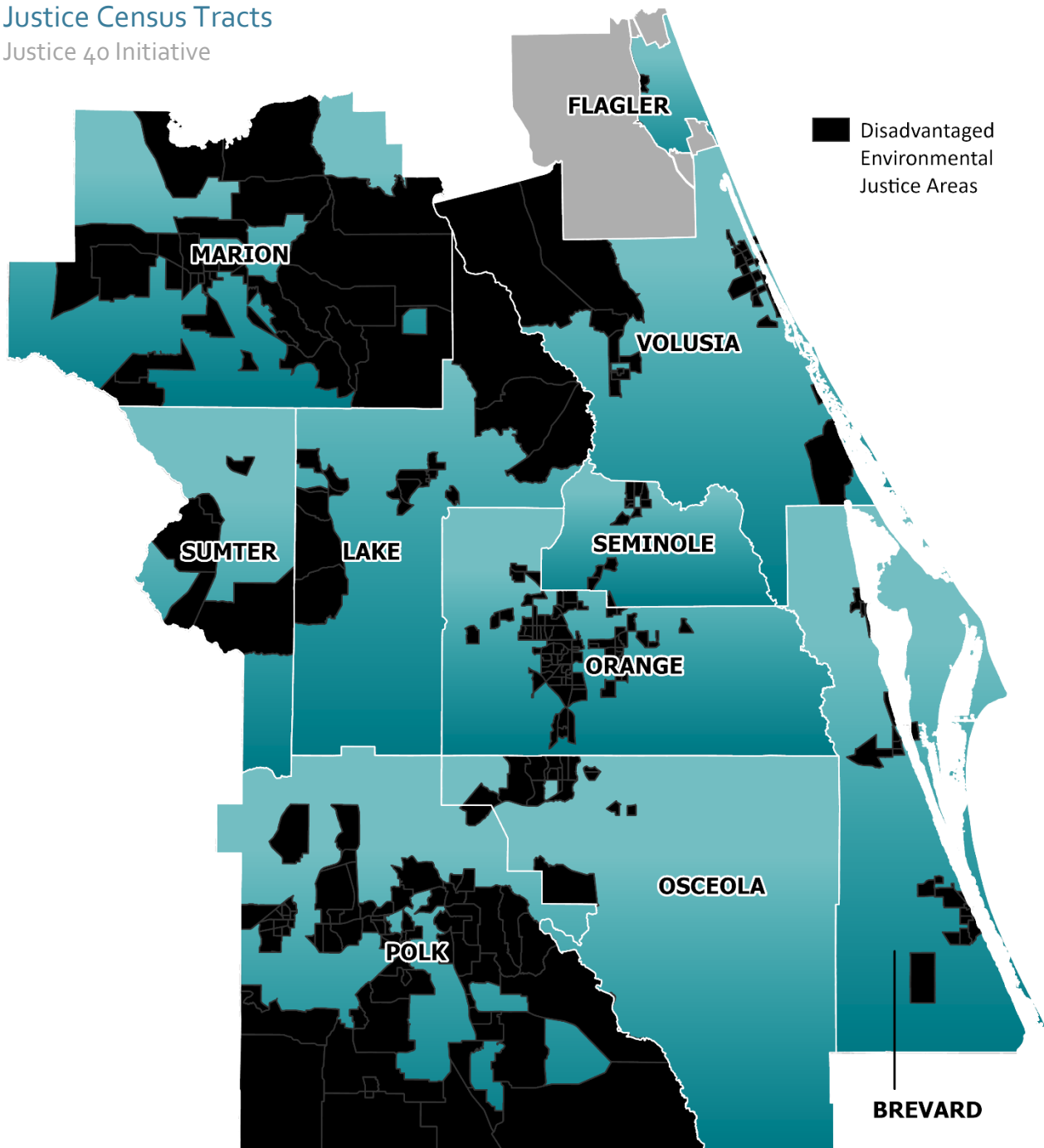


### *Environmental Justice Areas (EJA's)*

Environmental Justice Areas are part of the Federal Government's Justice 40 Initiative, which aims to direct 40% of the benefits of specified Federal Government investments to areas that are underserved, marginalized, and burdened by pollution. Environmental Justice Areas are areas that have been identified for environmental justice investment using a multi-faceted analysis of demographic and environmental conditions. The following map depicts the Central Florida MPO Alliance region's Environmental Justice Areas in black.<sup>31</sup>

### Disadvantaged Environmental Justice Census Tracts

Justice 40 Initiative



## 4.3 | Transportation System Usage, Reliability & Congestion

This chapter of the report provides analysis on trends impacting the overall reliability and experience that residents and visitors encounter on the state highway system.

### *Transportation Usage, Reliability & Congestion Indicators*

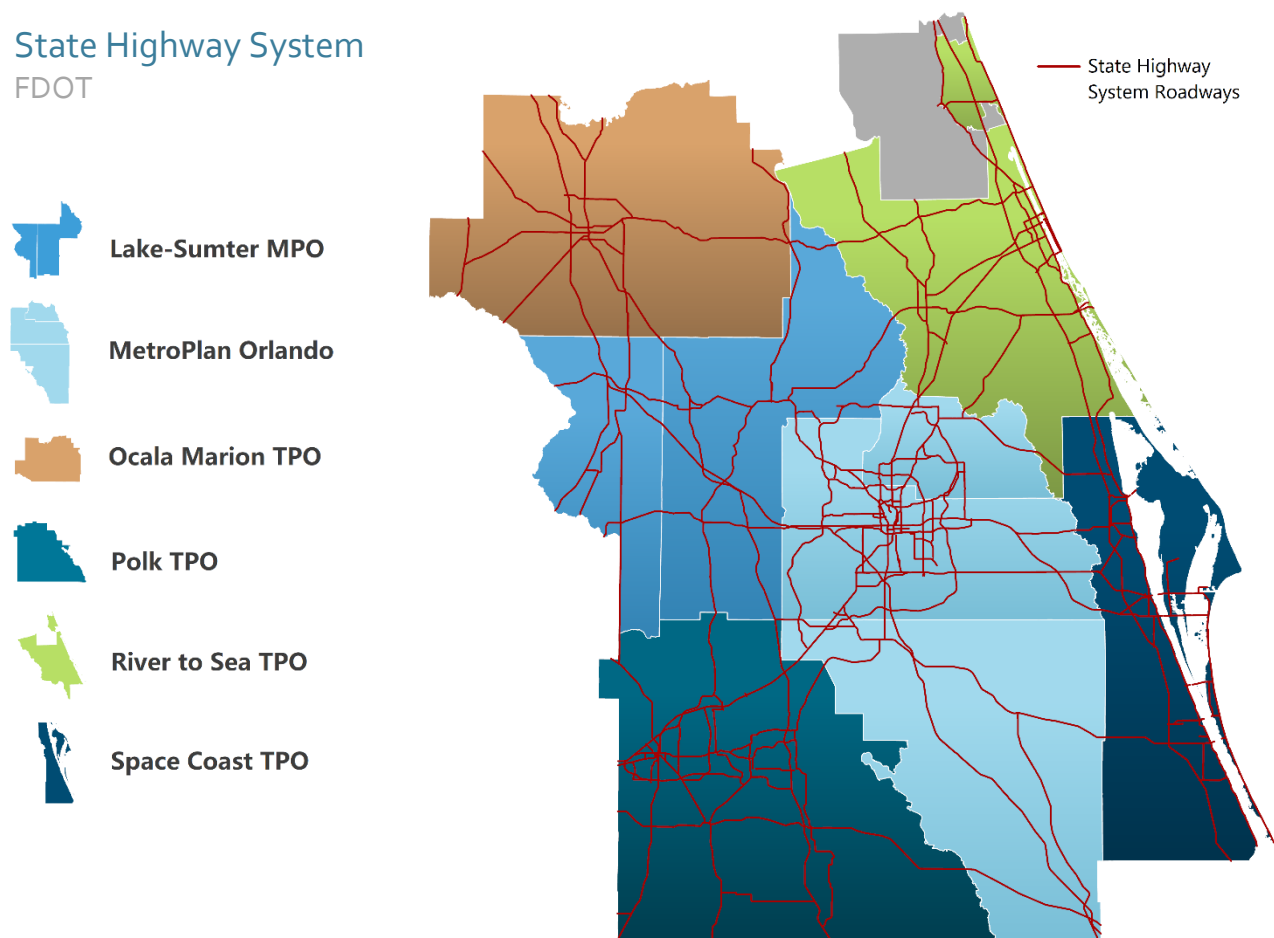
The Florida Department of Transportation Source Book was used to compile information on the Central Florida MPO Alliance region's roadway network. The seven indicators below are included in this section of the report.

- Vehicle Miles Traveled
- Vehicle Hours of Delay
- Planning Time Index
- Percent of Travel that is Heavily Congested
- Percent of Roadway Miles Heavily Congested
- Percent of the Time Roadways are Heavily Congested
- Duration of Congestion in Minutes

While there are some deviations, five of the seven indicators analyzed as part of this section are applicable to the State Highway System (SHS), *shown in dark red in the map below*.

### State Highway System

FDOT



## Vehicle Miles Traveled

### Daily; State Highway System

The Vehicle Miles Traveled chart below measures the average total miles traveled daily on the State Highway System in each county and MPO.<sup>32</sup>

Vehicle Miles Traveled	2018	2019	2020	2021	2022
	Daily VMT	Daily VMT	Daily VMT	Daily VMT	Daily VMT
Brevard County	10,116,753	10,501,252	9,783,453	10,149,994	10,190,851
Flagler County*	1,857,739	1,928,563	1,962,183	2,280,234	2,415,207
Lake County	5,468,657	5,629,307	5,404,330	5,438,032	5,732,940
Marion County	6,279,658	6,574,005	6,171,016	6,213,337	6,697,292
Orange County	22,988,771	24,156,096	22,047,095	21,690,626	24,018,885
Osceola County	5,887,917	6,020,795	5,297,956	5,579,691	6,267,437
Polk County	11,885,179	12,135,468	11,244,820	12,307,763	12,862,124
Seminole County	5,777,526	5,733,339	5,411,053	5,335,813	5,706,659
Sumter County	3,174,365	3,315,625	2,993,979	3,121,866	3,692,406
Volusia County	9,497,269	9,711,753	9,555,141	9,912,211	10,120,521
<b>CFMPOA Region</b>	<b>82,933,833</b>	<b>85,706,202</b>	<b>79,871,025</b>	<b>82,029,567</b>	<b>87,704,323</b>

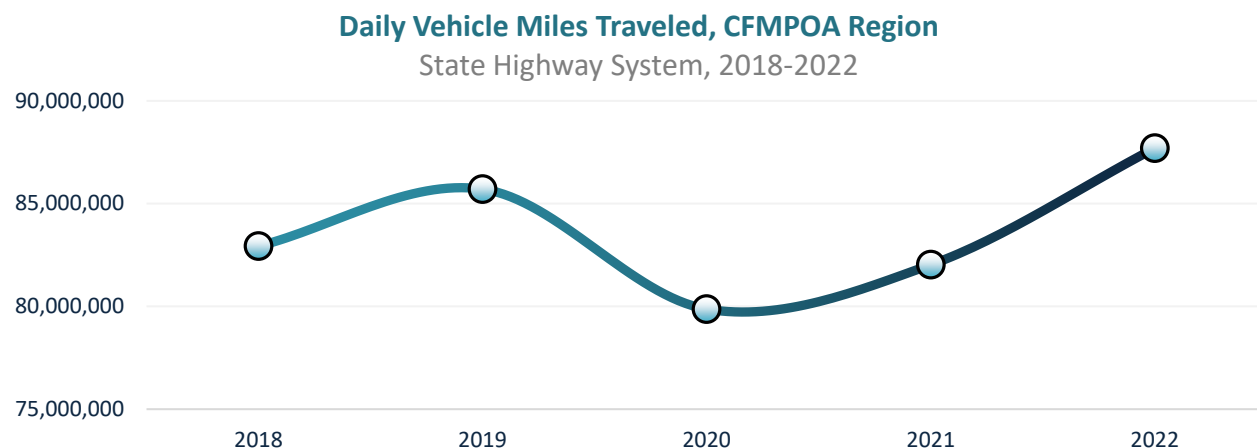
\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Florida Dept. of Transportation, 2018-2022

Vehicle Miles Traveled	2018	2019	2020	2021	2022
	Daily VMT	Daily VMT	Daily VMT	Daily VMT	Daily VMT
Lake-Sumter MPO	8,643,022	8,944,932	8,398,309	8,559,898	9,425,346
MetroPlan Orlando	34,654,214	35,910,230	32,756,104	32,606,130	35,992,981
Ocala Marion TPO	6,279,658	6,574,005	6,171,016	6,213,337	6,697,292
Polk TPO	11,885,179	12,135,468	11,244,820	12,307,763	12,862,124
River to Sea TPO*	11,355,008	11,640,316	11,517,324	12,192,445	12,535,728
Space Coast TPO	10,116,753	10,501,252	9,783,453	10,149,994	10,190,851

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Florida Dept. of Transportation, 2018-2022





## Vehicle Hours of Delay

### Daily; State Highway System

Vehicle hours of delay measures the “additional travel time” experienced by motorists beyond normal travel conditions without congestion.<sup>33</sup>

Vehicle Hours of Delay	2018	2019	2020	2021	2022	2018-22
Daily						Average
Brevard County	5,546	6,125	3,791	3,423	3,323	4,442
Flagler County*	275	525	432	322	305	372
Lake County	2,284	2,082	1,836	3,198	3,678	2,616
Marion County	3,445	3,956	2,351	3,429	3,740	3,384
Orange County	54,263	56,258	28,475	31,383	53,575	44,791
Osceola County	12,906	14,249	6,989	11,617	16,187	12,390
Polk County	10,193	10,888	6,990	11,856	15,071	11,000
Seminole County	10,157	10,175	4,896	6,691	6,246	7,633
Sumter County	1,150	1,256	607	977	1,403	1,079
Volusia County	8,131	7,301	5,617	5,220	5,238	6,301
<b>CFMPOA Region</b>	<b>108,350</b>	<b>112,815</b>	<b>61,984</b>	<b>78,116</b>	<b>108,766</b>	<b>94,006</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

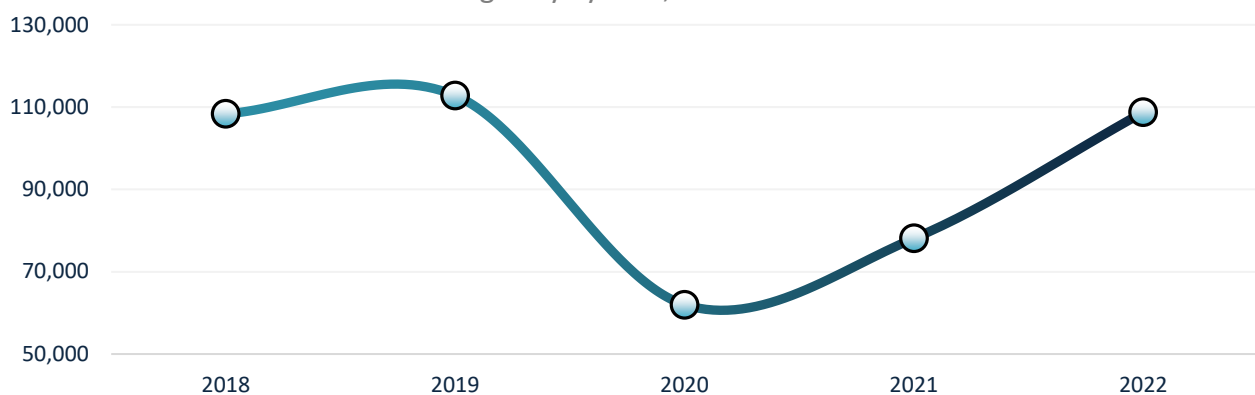
Vehicle Hours of Delay	2018	2019	2020	2021	2022	2018-22
Daily						Average
Lake-Sumter MPO	3,434	3,338	2,443	4,175	5,081	3,694
MetroPlan Orlando	77,326	80,682	40,360	49,691	76,008	64,813
Ocala Marion TPO	3,445	3,956	2,351	3,429	3,740	3,384
Polk TPO	10,193	10,888	6,990	11,856	15,071	11,000
River to Sea TPO*	8,406	7,826	6,049	5,542	5,543	6,673
Space Coast TPO	5,546	6,125	3,791	3,423	3,323	4,442

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

### Vehicle Hours of Delay, Daily, CFMPOA Region

#### State Highway System, 2018-2022



## Planning Time Index

### Peak Hour, State Highway System, Urbanized Areas

Planning Time Index measures the extent of a travel delay versus normal travel conditions, where a value of 1.00 equals normal travel time. Higher values represent greater delays.<sup>34</sup>

Planning Time Index	2018	2019	2020	2021	2022	2018-22
Peak Hour, Urbanized Areas						Average
Brevard County	1.20	1.22	1.17	1.19	1.18	1.19
Flagler County*	1.11	1.14	1.12	1.09	1.07	1.11
Lake County	1.24	1.27	1.24	1.37	1.38	1.30
Marion County	1.42	1.48	1.31	1.62	1.65	1.50
Orange County	1.80	1.86	1.51	1.53	1.60	1.66
Osceola County	1.65	1.67	1.42	1.80	1.98	1.70
Polk County	1.28	1.29	1.25	1.30	1.27	1.28
Seminole County	1.84	1.90	1.54	1.71	1.71	1.74
Sumter County	1.17	1.19	1.20	1.37	1.23	1.23
Volusia County	1.24	1.23	1.21	1.25	1.24	1.23
<b>CFMPOA Region (Est.)</b>	<b>1.42</b>	<b>1.45</b>	<b>1.31</b>	<b>1.41</b>	<b>1.43</b>	<b>1.41</b>

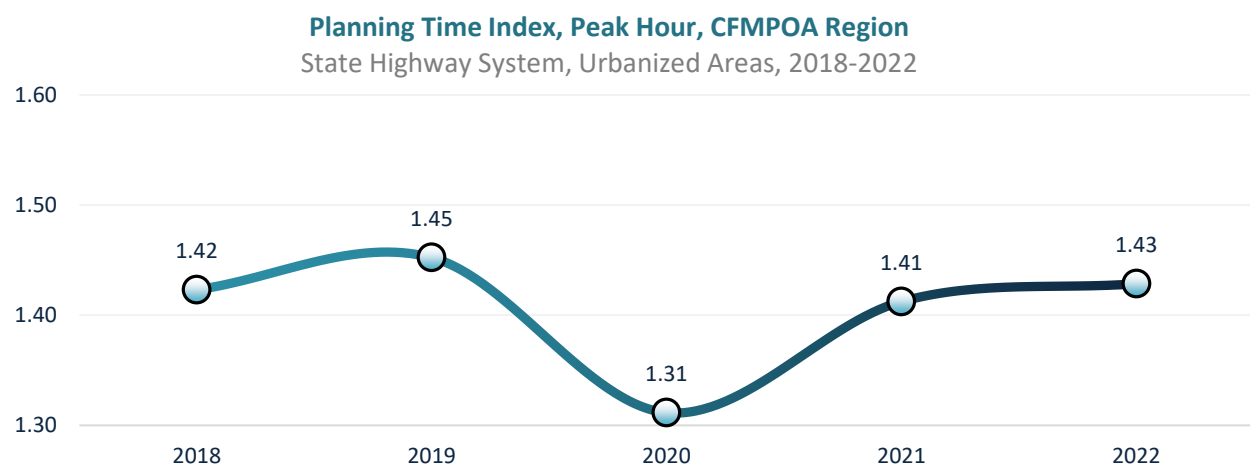
\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

Planning Time Index	2018	2019	2020	2021	2022	2018-22
Peak Hour, Urbanized Areas						Average
Lake-Sumter MPO	1.23	1.26	1.23	1.37	1.35	1.29
MetroPlan Orlando	1.79	1.85	1.49	1.58	1.65	1.67
Ocala Marion TPO	1.42	1.48	1.31	1.62	1.65	1.50
Polk TPO	1.28	1.29	1.25	1.30	1.27	1.28
River to Sea TPO*	1.21	1.21	1.19	1.21	1.20	1.21
Space Coast TPO	1.20	1.22	1.17	1.19	1.18	1.19

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022



## Daily Duration of Congestion, in Minutes

### Daily, State Highway System

This metric uses vehicle miles traveled and average travel speeds to determine the daily number of minutes of travel that qualify under the FDOT definition of “congested”.<sup>35</sup>

Minutes of Congestion	2018	2019	2020	2021	2022	2018-22
Daily	Average					
Brevard County	5.7	12.2	2.7	3.7	6.1	6.1
Flagler County*	0.8	23.4	18.1	2.8	0.1	9.0
Lake County	60.1	18.1	10.6	12.9	17.3	23.8
Marion County	12.9	18.9	5.4	25.3	24.4	17.4
Orange County	71.7	91.3	42.7	41.5	49.2	59.3
Osceola County	85.8	96.4	49.3	92.4	108.6	86.5
Polk County	31.9	45.1	25.6	50.5	69.0	44.4
Seminole County	36.1	47.1	16.7	19.5	16.7	27.2
Sumter County	16.2	25.2	6.2	15.9	17.8	16.3
Volusia County	13.6	10.9	7.7	6.6	6.1	9.0
<b>CFMPOA Region</b>	<b>334.8</b>	<b>388.6</b>	<b>185.0</b>	<b>271.1</b>	<b>315.3</b>	<b>299.0</b>

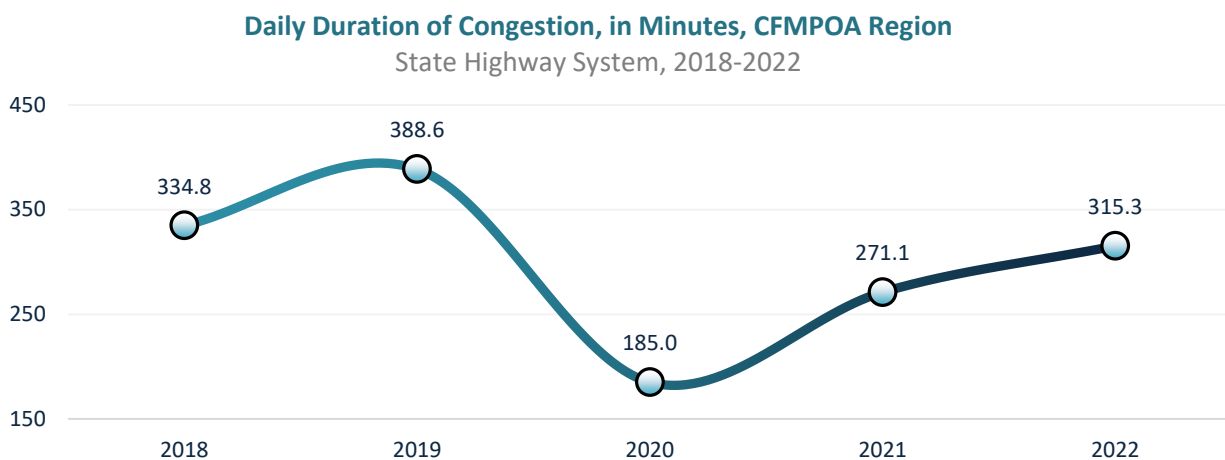
\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

Minutes of Congestion	2018	2019	2020	2021	2022	2018-22
Daily	Average					
Lake-Sumter MPO	37.0	20.4	7.3	16.4	22.6	20.7
MetroPlan Orlando	81.1	98.5	44.8	66.3	77.5	73.6
Ocala Marion TPO	12.9	18.2	5.2	25.3	24.4	17.2
Polk TPO	31.9	44.9	25.5	50.5	69.0	44.4
River to Sea TPO*	11.4	13.8	10.2	6.0	5.2	9.3
Space Coast TPO	5.7	12.2	2.7	3.7	6.1	6.1

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022



## Percent of Roadway Miles Heavily Congested

### Peak Hour, State Highway System, Urbanized Areas

This metric quantifies the percent of urbanized roadway miles on the State Highway System that qualify under the FDOT definition of “heavily congested” during peak hour.<sup>36</sup>

% Miles Heavily Congested	2018	2019	2020	2021	2022	2018-22
Peak Hour, Urbanized Areas						Average
Brevard County	1.1%	1.3%	0.6%	0.8%	1.4%	1.0%
Flagler County*	0.2%	0.4%	0.3%	0.4%	0.1%	0.3%
Lake County	1.0%	0.6%	0.4%	1.8%	3.5%	1.5%
Marion County	1.3%	1.5%	0.7%	3.1%	3.2%	2.0%
Orange County	13.3%	13.8%	5.3%	6.6%	12.2%	10.2%
Osceola County	9.6%	9.3%	4.9%	10.6%	22.8%	11.4%
Polk County	1.9%	1.8%	1.3%	2.0%	3.5%	2.1%
Seminole County	7.8%	9.0%	3.6%	5.9%	7.2%	6.7%
Sumter County	1.4%	0.7%	0.5%	1.9%	1.3%	1.2%
Volusia County	1.7%	1.7%	0.9%	1.2%	1.5%	1.4%
<b>CFMPOA Region (Est.)</b>	<b>4.7%</b>	<b>4.8%</b>	<b>2.1%</b>	<b>3.5%</b>	<b>6.0%</b>	<b>4.3%</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Florida Dept. of Transportation, HERE Technologies, 2018-2022

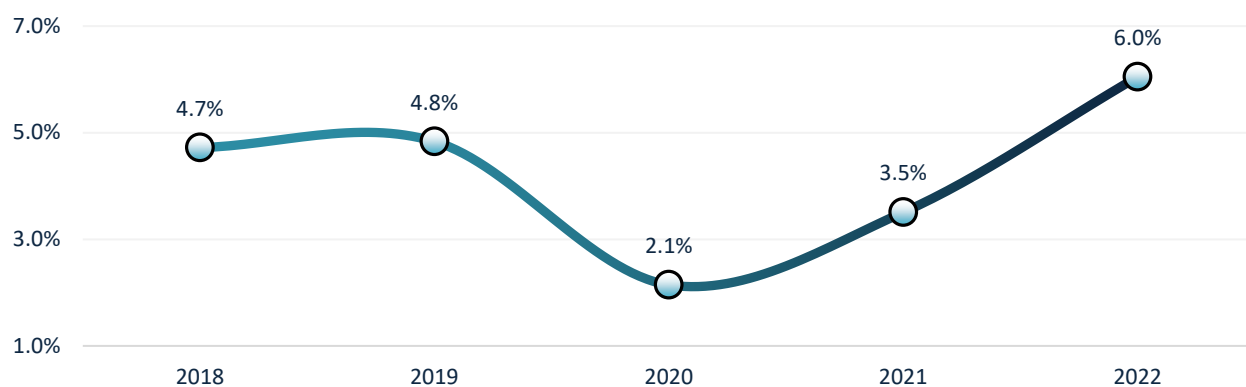
% Miles Heavily Congested	2018	2019	2020	2021	2022	2018-22
Peak Hour, Urbanized Areas						Average
Lake-Sumter MPO	1.1%	0.6%	0.4%	1.9%	3.2%	1.5%
MetroPlan Orlando	9.4%	10.3%	4.5%	6.0%	10.4%	8.1%
Ocala Marion TPO	1.1%	1.1%	0.5%	2.5%	2.4%	1.5%
Polk TPO	1.8%	1.7%	1.3%	2.0%	3.5%	2.1%
River to Sea TPO*	1.4%	1.4%	0.7%	1.0%	1.3%	1.2%
Space Coast TPO	1.0%	1.2%	0.6%	0.7%	1.2%	0.9%

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Florida Dept. of Transportation, HERE Technologies, 2018-2022

### % Miles SHS Heavily Congested, Peak Hour, CFMPOA Region

#### State Highway System, Urbanized Areas, 2018-2022



*Freight – Average Truck Speed in 2022*  
*Peak Hour; State Highway System*<sup>37</sup>

Avg. Truck Speed, 2022	Freeways	Highways	Arterials	Urbanized	Non-Urbanized
Miles Per Hour, Peak Hour					
Brevard County	68.8	53.8	35.0	62.4	61.4
Flagler County*	69.9	53.1	41.0	67.3	65.2
Lake County	65.3	48.8	37.7	47.2	58.3
Marion County	66.6	54.7	35.6	58.2	65.6
Orange County	56.3	61.1	27.0	50.5	63.3
Osceola County	58.3	59.0	27.2	44.1	58.3
Polk County	63.9	53.1	38.7	51.2	58.0
Seminole County	56.7	45.8	29.9	48.1	50.4
Sumter County	68.9	50.3	38.3	52.9	66.8
Volusia County	68.0	53.6	34.5	60.4	66.2

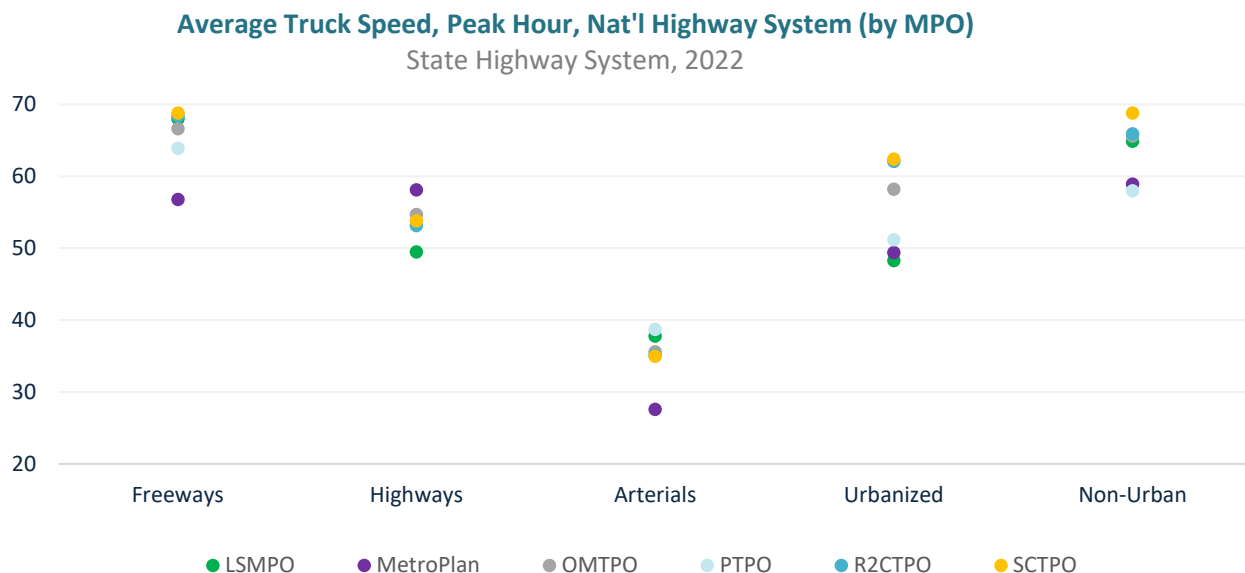
\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

Avg. Truck Speed, 2022	Freeways	Highways	Arterials	Urbanized	Non-Urban
Miles Per Hour, Peak Hour					
Lake-Sumter MPO	68.0	49.5	37.8	48.3	64.9
MetroPlan Orlando	56.8	58.1	27.6	49.4	58.9
Ocala Marion TPO	66.6	54.7	35.6	58.2	65.6
Polk TPO	63.9	53.1	38.7	51.2	58.0
River to Sea TPO*	68.4	53.2	35.1	62.1	65.9
Space Coast TPO	68.8	53.8	35.0	62.4	68.8

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022



*Freight – Truck Hours of Delay*  
*Daily; State Highway System*<sup>38</sup>

Truck Hours of Delay, 2022	Freeways	Highways	Arterials	Urbanized	Non-Urban
Hours, Daily					
Brevard County	31	5	73	103	6
Flagler County*	14	1	3	16	2
Lake County	35	17	78	111	19
Marion County	319	2	46	274	94
Orange County	1,078	1	511	1,585	5
Osceola County	432	10	234	273	403
Polk County	737	45	235	300	717
Seminole County	68	4	70	142	0
Sumter County	161	6	13	18	162
Volusia County	78	3	106	175	13
<b>CFMPOA Region</b>	<b>2,953</b>	<b>94</b>	<b>1,369</b>	<b>2,997</b>	<b>1,421</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

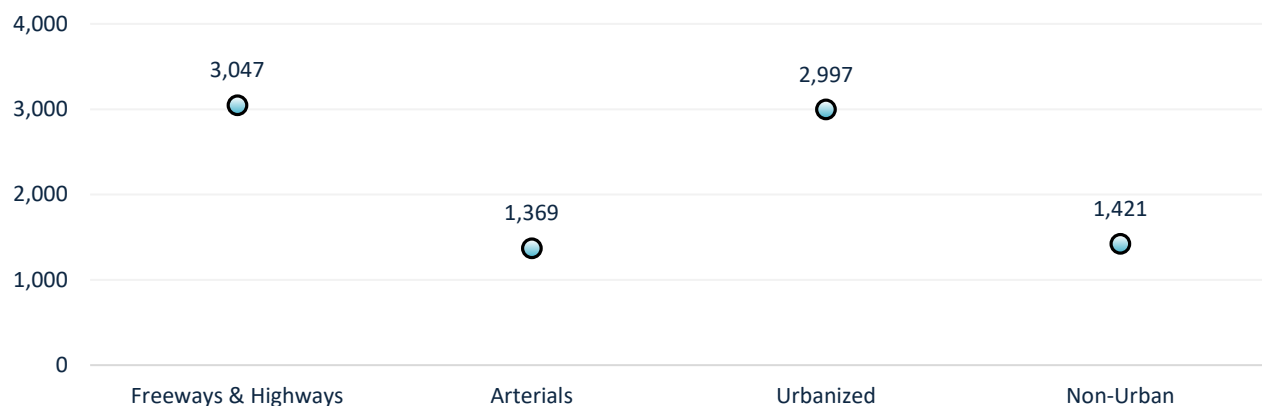
**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

Truck Hours of Delay, 2022	Freeways	Highways	Arterials	Urbanized	Non-Urban
Hours, Daily					
Lake-Sumter MPO	81	12	115	201	6
MetroPlan Orlando	968	5	2,088	3,044	18
Ocala Marion TPO	4	52	70	69	57
Polk TPO	737	45	235	300	717
River to Sea TPO*	91	4	110	191	13
Space Coast TPO	31	5	73	103	6

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, HERE Technologies, 2018-2022

**Combined Truck Hours of Delay, Daily, CFMPOA Region**  
 State Highway System, 2022



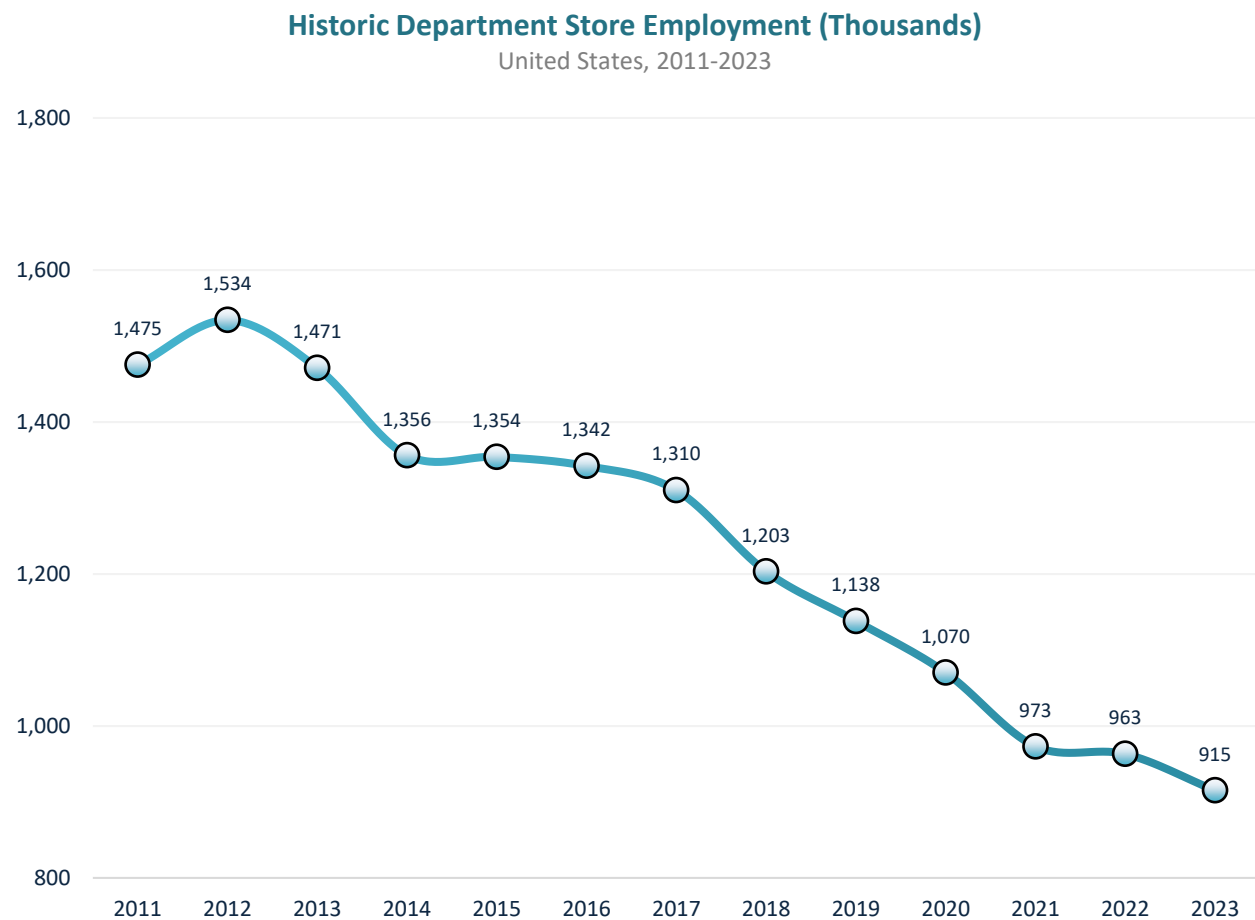
## 4.4 | E-Commerce & Remote Work

E-Commerce and remote work will have future implications on travel trends as more purchases are made online, more people are working from home, and less people are using the state transportation system to get to work or to make purchases. This section of the report identifies critical trends that are occurring across the following indicators:

- Historic Department Store & Electronic Shopping Employment
- Percent of Florida Residents Working from Home
- Percent of Retail Purchases Made Online

### *Historic Department Store & Electronic Shopping Employment*

A clear trend has formed in retail employment, with a consistent increase in electronic shopping employment and accelerating decrease in department store employment.<sup>39</sup> Most notably, department store employment saw a large decrease in 2020 and 2021 as the COVID-19 pandemic closed many brick-and-mortar businesses. Employment numbers in the chart below are the January employment numbers for each year.

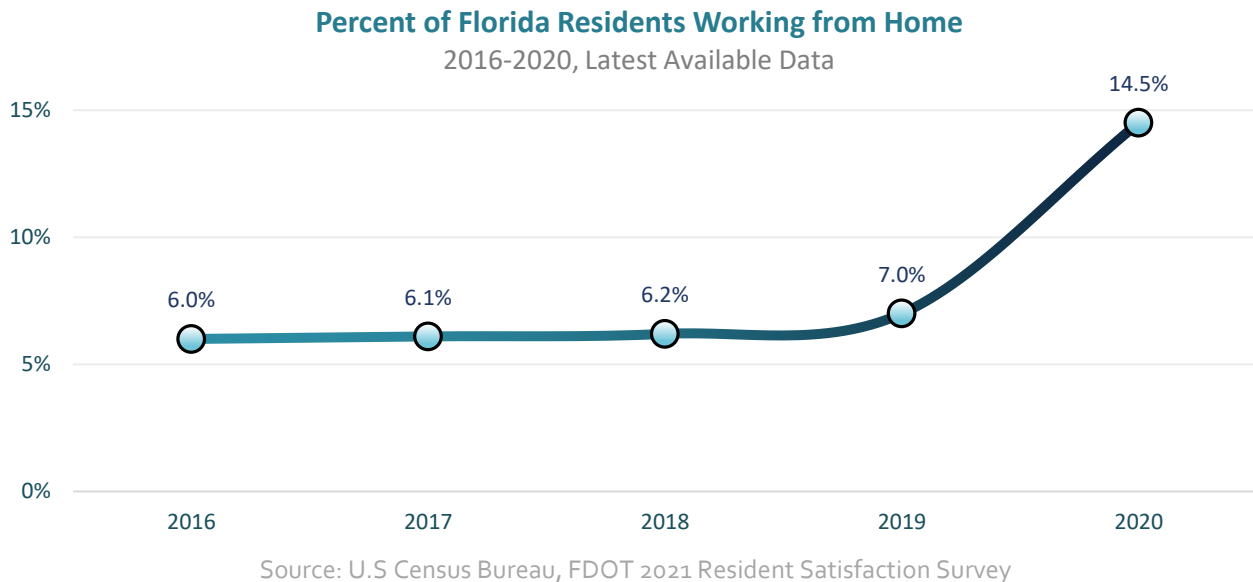


Source: U.S. Bureau of Labor Statistics, 2011-2023



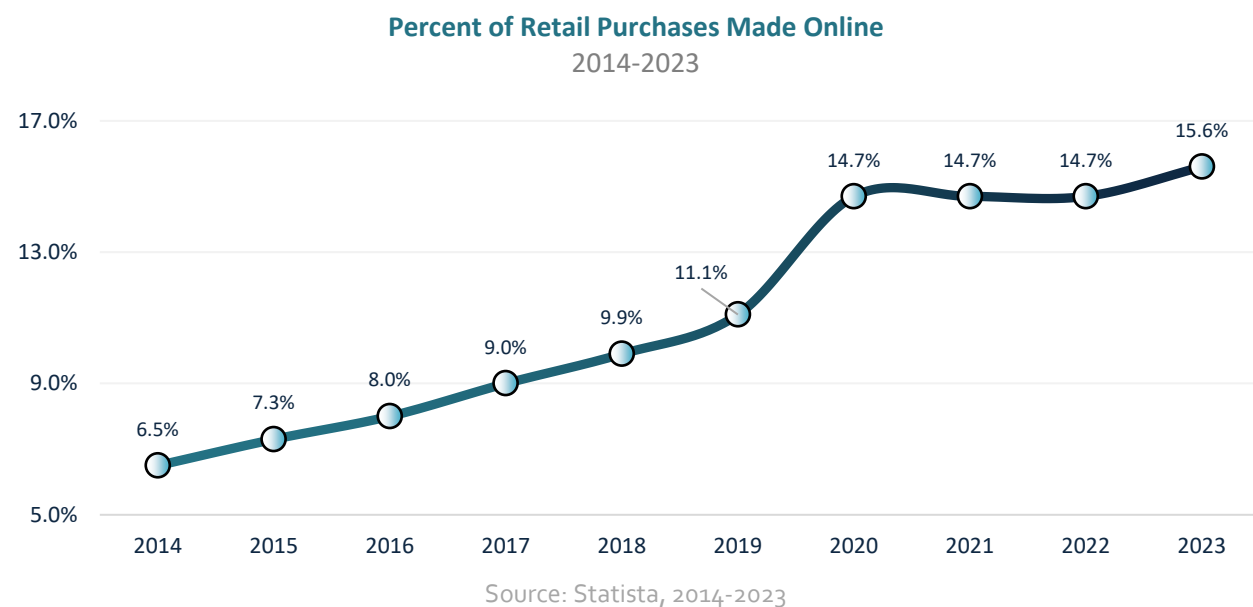
### *Percent of Florida Residents Working from Home*

Following consistent rates of employees working from home from 2016 to 2019, a substantial jump in work from home rates occurred in 2020 with the onset of the COVID-19 pandemic.<sup>40</sup> While numerous employers are beginning to open offices, it remains to be seen if this trend will reverse, and if there is a reverse, if it will fall back to pre-COVID-19 levels. Following this metric closely as new data is released is a high priority for the Central Florida MPO Alliance.



### *Percent of Retail Purchases Made Online*

The trend in purchasing continues to move to the digital world as e-commerce accrues a larger percentage of the retail market. The chart below shows an increasing share of retail purchases being completed online from 2014 to 2023, with a large jump occurring in 2020.<sup>41</sup>



## 4.5 | Electric Vehicles & Fuel Consumption

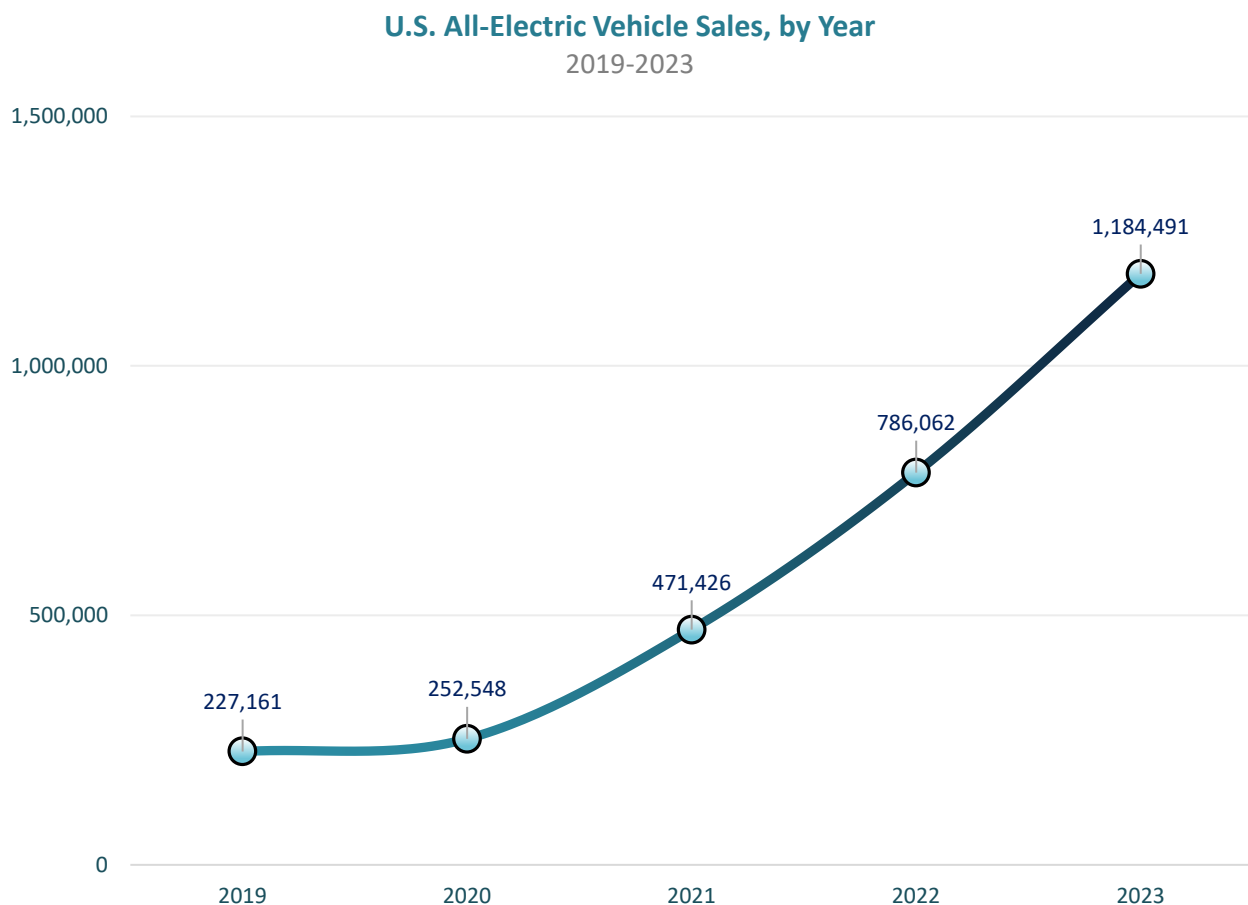
This section of the report provides information on the rapidly-changing landscape marked by the rapid, nationwide adoption of electric vehicles, and summarizes regional trends relating to gasoline and diesel fuel consumption.

### *Funding Implications of Electric Vehicle Market Share & Increasing Vehicle Miles Traveled*

Funding for roadway projects in the state of Florida is reliant on gas tax revenues, and it is unclear whether gasoline and diesel fuel demand will continue to increase into the future given the growing market share of electric vehicles. This factor, alongside the continuing trend of increased vehicle miles traveled (VMT) over time, means that fewer dollars will be available to fund roadways that are being used more heavily over time. This challenge will require more engagement between the Central Florida MPO Alliance and policymakers and stakeholders at the federal and state levels.

### *Electric Vehicle Adoption*

The chart below depicts all-electric vehicle sales in the United States from 2019 to 2023. During this time period, the market share of electric vehicles increased by four times, signaling the potential beginning of an exponential growth curve.<sup>42</sup>



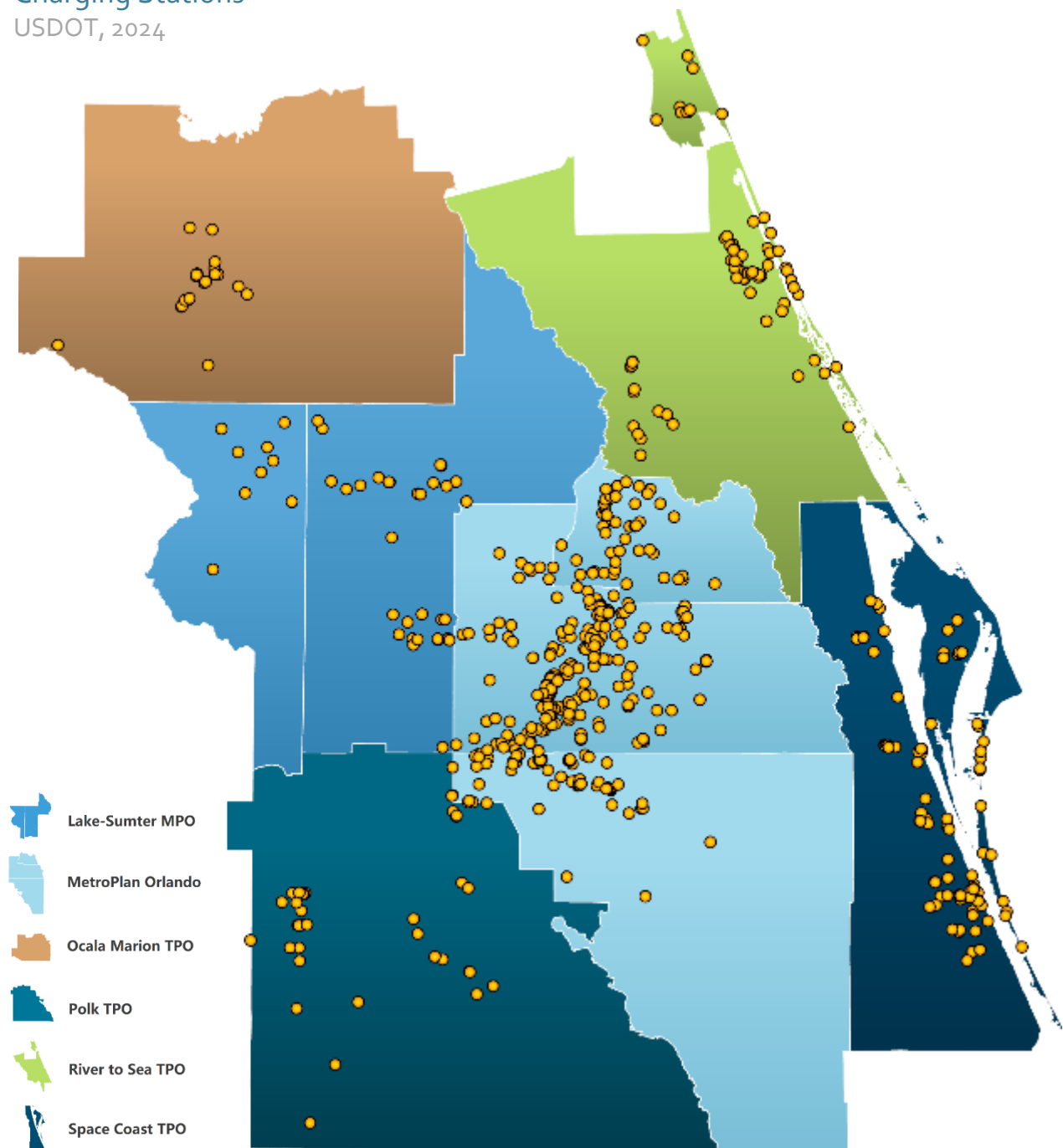
Source(s): Inside EV's, Cox Automotive, 2019-2023

### Electric Vehicle Charging Stations

As electric vehicle adoption accelerates, the need for infrastructure to support their usage is an important factor in overall scalability. The map below shows electric vehicle stations in the Central Florida MPO Alliance region as of February 15, 2024 as compiled by the U.S. Department of Transportation. As of this date there were 847 stations in the region, which are mapped below.<sup>43</sup>

### Electric Vehicle Charging Stations

USDOT, 2024



## Gasoline Consumption

The tables and chart below depict the trend in gasoline consumption in the Alliance region.<sup>44</sup>

Gasoline Consumption	2018-19	2019-20	2020-21	2021-22	2022-23
	Gallons	Gallons	Gallons	Gallons	Gallons
Brevard County	269,240,363	250,055,588	247,284,877	267,986,358	270,545,729
Flagler County*	44,550,218	42,021,226	44,626,841	45,275,779	43,929,086
Lake County	149,293,978	143,409,141	144,969,099	158,276,030	165,084,241
Marion County	181,722,854	178,531,968	181,332,876	193,524,608	194,751,898
Orange County	709,390,548	644,126,888	602,771,769	676,969,408	684,920,867
Osceola County	186,939,048	172,932,022	172,998,637	193,730,805	210,135,204
Polk County	288,045,951	280,565,399	292,039,760	314,327,180	321,485,168
Seminole County	210,061,056	191,903,491	179,891,244	193,635,850	195,261,076
Sumter County	69,284,692	64,540,749	64,994,247	72,895,735	71,106,743
Volusia County	242,658,780	229,864,486	233,913,820	236,280,051	237,359,409
<b>CFMPOA Region</b>	<b>2,351,187,487</b>	<b>2,197,950,959</b>	<b>2,164,823,169</b>	<b>2,352,901,804</b>	<b>2,394,579,421</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Department of Revenue, 2018-2023

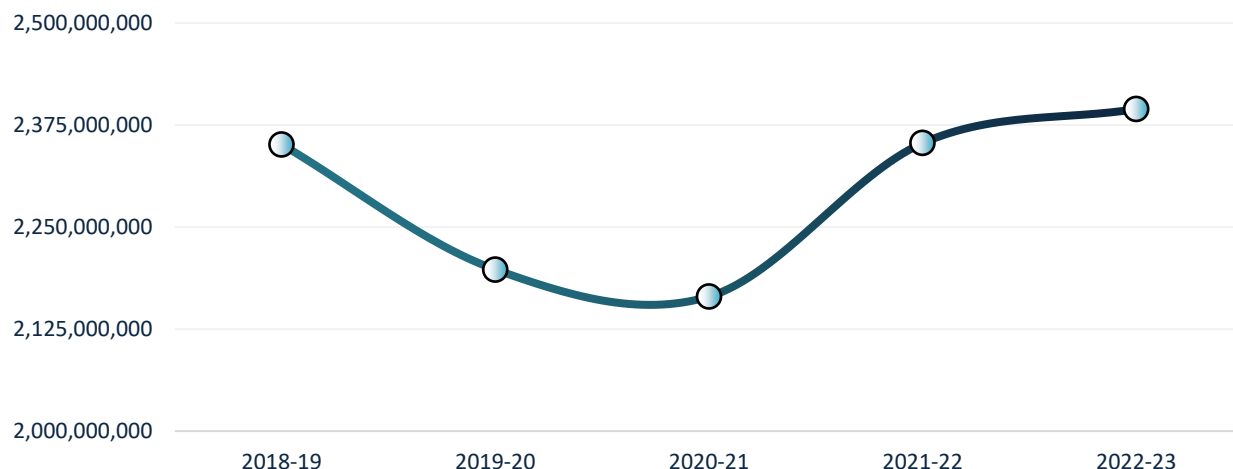
Gasoline Consumption	2018-19	2019-20	2020-21	2021-22	2021-23
	Gallons	Gallons	Gallons	Gallons	Gallons
Lake-Sumter MPO	218,578,670	207,949,891	209,963,346	231,171,765	236,190,984
MetroPlan Orlando	1,106,390,652	1,008,962,401	955,661,651	1,064,336,063	1,090,317,147
Ocala Marion TPO	181,722,854	178,531,968	181,332,876	193,524,608	194,751,898
Polk TPO	288,045,951	280,565,399	292,039,760	314,327,180	321,485,168
River to Sea TPO*	287,208,998	271,885,712	278,540,660	281,555,830	281,288,495
Space Coast TPO	269,240,363	250,055,588	247,284,877	267,986,358	270,545,729

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Department of Revenue, 2018-2023

### Gasoline Consumption in Gallons, CFMPOA Region

FY 2018-19 to FY 2022-23



## Diesel Fuel Consumption

The tables and chart below depict the trend in diesel fuel consumption in the Alliance region.<sup>44</sup>

Diesel Consumption	2018-19	2019-20	2020-21	2021-22	2022-23
	Gallons	Gallons	Gallons	Gallons	Gallons
Brevard County	179,364,276	194,640,060	187,607,808	204,646,587	208,754,193
Flagler County*	5,408,199	5,608,555	5,373,593	5,615,094	5,672,115
Lake County	18,682,221	19,319,359	18,947,992	20,226,554	21,319,505
Marion County	51,069,049	53,691,953	52,920,882	55,255,403	56,809,957
Orange County	125,483,597	130,502,714	126,006,096	134,683,595	136,264,763
Osceola County	18,471,333	19,765,656	19,444,527	20,427,769	21,375,371
Polk County	89,852,012	93,650,908	90,536,434	95,427,393	97,426,882
Seminole County	21,892,898	19,279,030	18,440,014	19,737,033	20,390,562
Sumter County	35,625,783	36,440,551	35,777,077	37,154,215	37,861,061
Volusia County	31,653,541	33,048,196	32,103,868	34,324,383	34,709,680
<b>CFMPOA Region</b>	<b>577,502,908</b>	<b>605,946,981</b>	<b>587,158,293</b>	<b>627,498,026</b>	<b>640,584,089</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

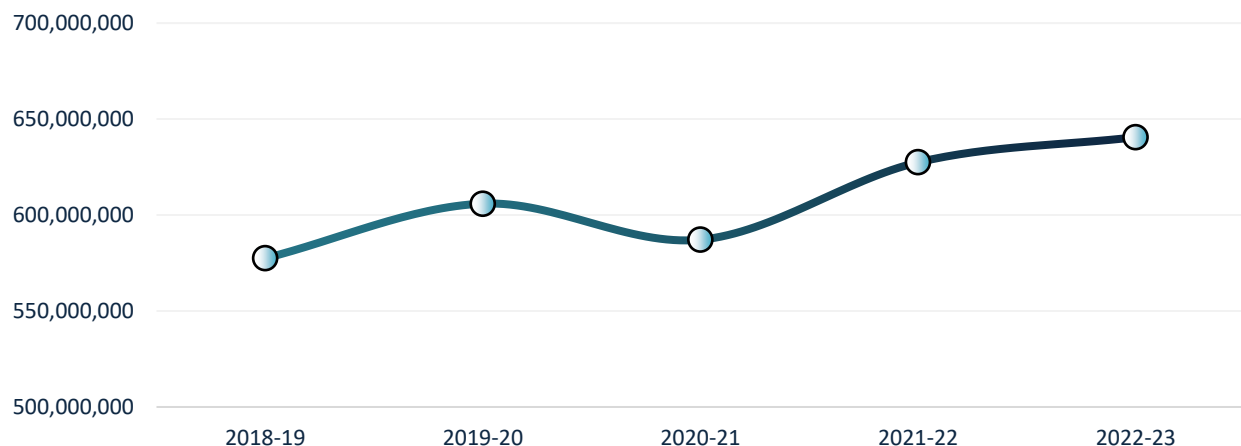
Source(s): Florida Department of Revenue, 2018-2023

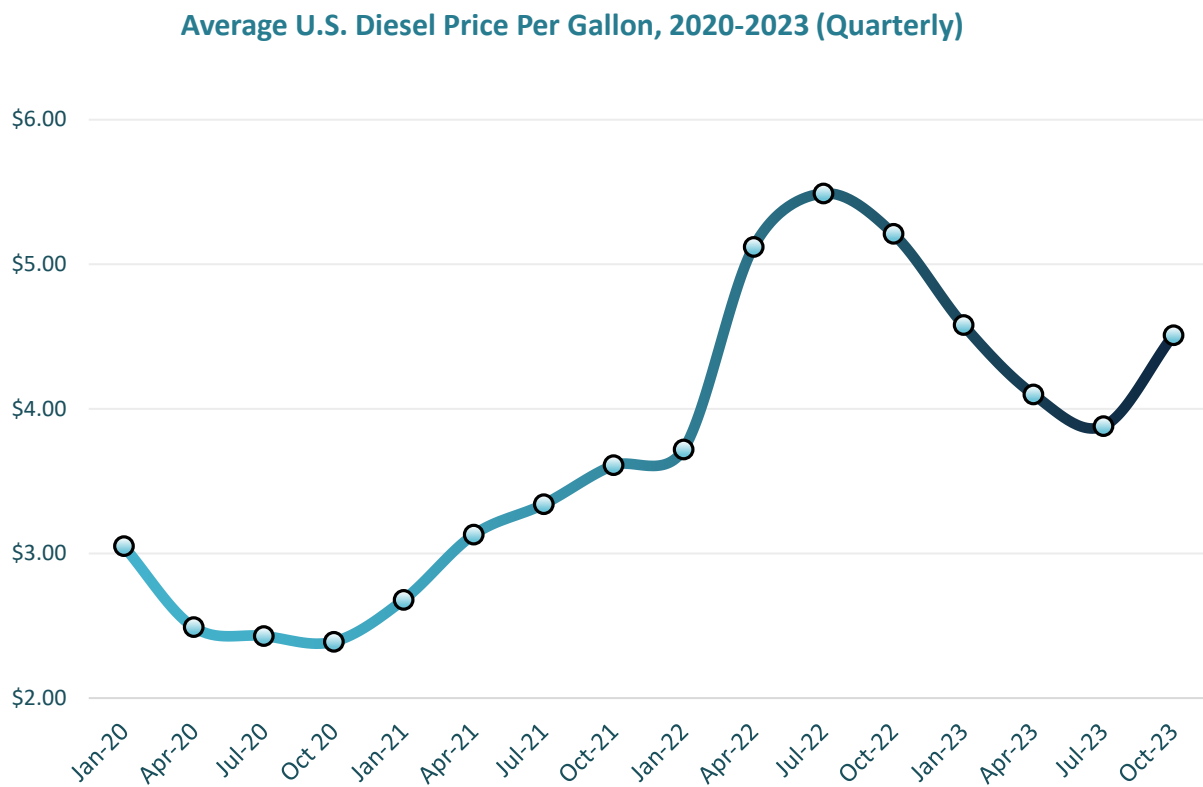
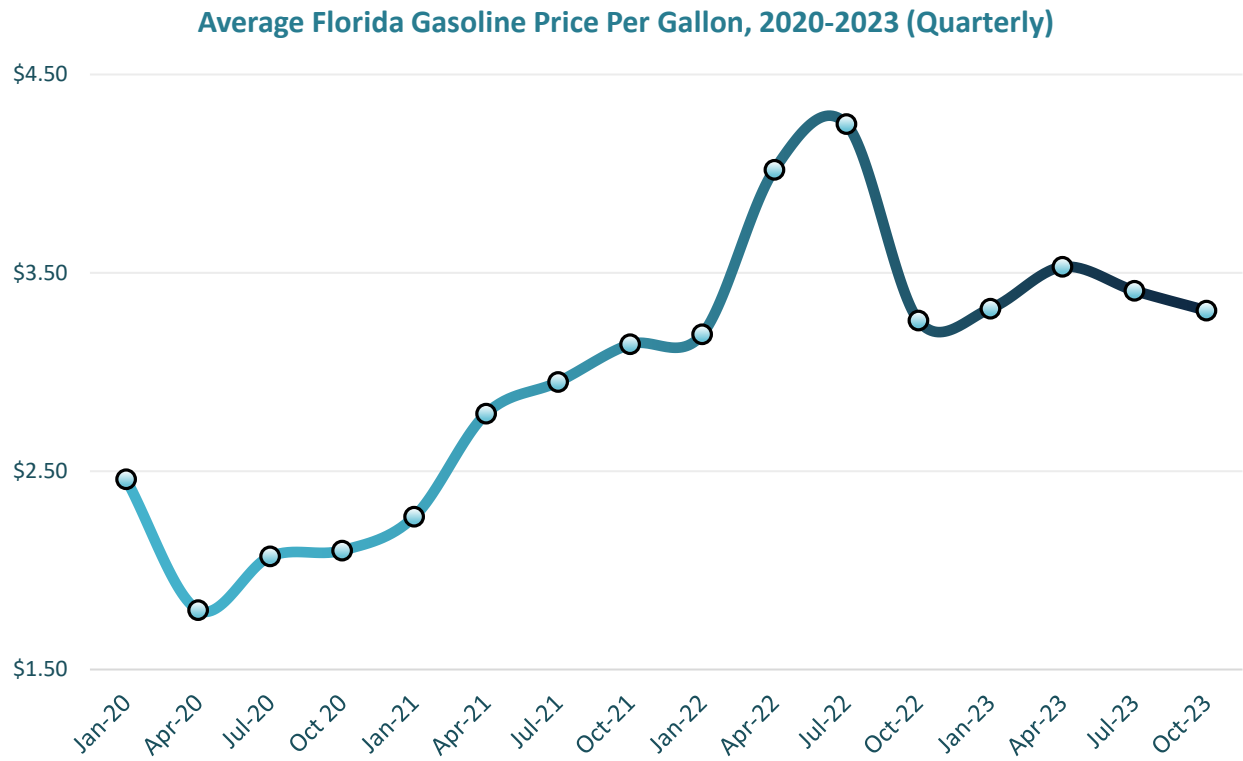
Diesel Consumption	2018-19	2019-20	2020-21	2021-22	2022-23
	Gallons	Gallons	Gallons	Gallons	Gallons
Lake-Sumter MPO	54,308,004	55,759,910	54,725,070	57,380,769	59,180,566
MetroPlan Orlando	165,847,828	169,547,400	163,890,637	174,848,397	178,030,696
Ocala Marion TPO	51,069,049	53,691,953	52,920,882	55,255,403	56,809,957
Polk TPO	89,852,012	93,650,908	90,536,434	95,427,393	97,426,882
River to Sea TPO*	37,061,740	38,656,751	37,477,461	39,939,477	40,381,795
Space Coast TPO	179,364,276	194,640,060	187,607,808	204,646,587	208,754,193

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

Source(s): Florida Department of Revenue, 2018-2023

**Diesel Fuel Consumption in Gallons, CFMPOA Region**  
FY 2018-19 to FY 2022-23





Source: U.S. Energy Information Administration <sup>45</sup>

## 4.6 | Autonomous Vehicles

This section of the report outlines some potential trends that will need to be monitored if autonomous vehicles begin to be adopted in the Central Florida MPO Alliance region.

### *VTM Implications*

As autonomous vehicles are adopted, vehicle miles traveled (VTM) may increase as a result of additional trips on roadways consisting of automobiles without human drivers operating them. This could result from numerous step-changes in logistics technology, including autonomous vehicles being used for personal deliveries.

### *Surface Parking Demand Implications*

Autonomous vehicles, without a driver, could potentially be used for more hours per day as a result of autonomous vehicle owners renting out their vehicles while they are at work or otherwise occupied. As a result, there could be a reduced number of stationary (parked) vehicles at any given point in time as those vehicles are being utilized by individuals who do not own a vehicle themselves.

### *Transportation Cost Implications*

If autonomous vehicle adoption is scaled, cost savings for end users could be realized when compared to the current pricing of taxi services and phone applications such as Uber and Lyft. Potential reasons behind this cost saving could include 1) removing the requirement of a human driver to transport a person from point A to point B, and 2) costs savings on fuel consumption if the autonomous vehicles are simultaneously electric battery-powered.

### *Vision Zero (Safety) Implications*

Depending on the accuracy, scalability and latency of artificial intelligence programs that make autonomous vehicles possible, autonomous vehicles could potentially operate more safely than human drivers who are prone to error, however this has not yet been definitively demonstrated. If such a feat in technological innovation is achieved, then motorist, motor vehicle occupant, bicyclist and pedestrian injuries and fatalities could be reduced.

### *Transportation Sector Employment Implications*

As described in 'Transportation Cost Implications', removing the need for a driver could potentially reduce the workforce in the transportation and logistics sector. While the Federal Highway Administration and other agencies have not approved driverless trucks as of 2022, a pivot in this direction could greatly reduce the workforce in the aforementioned sectors.



## Next Steps & Funding Opportunities

Members of the Central Florida MPO Alliance are at work identifying opportunities to improve the region's multifaceted transportation network.

As such, numerous opportunities for funding from state and federal sources are available to MPO's, counties and municipalities to improve their transportation systems. The Infrastructure Investment and Jobs Act that passed the U.S. Congress in 2022 will be a primary driver of funding for many years to come for the MPO Alliance. A key component of the Infrastructure Investment and Jobs Act is the *Safe Streets and Roads for All* program.

As part of this program, the Federal Government has released funding for MPO's and municipalities to develop action plans to improve roadway safety for all users in their communities. During the 2023 grant period, the following Central Florida MPO's and municipalities received funding for action plan development and implementation:

- City of Mount Dora – SS4A Action Plan
- Lake County – SS4A Action Plan
- MetroPlan Orlando – SS4A Action Plans
- Polk County – Safer Roads FL Action Plan
- River To Sea TPO – Comprehensive Safety Action Plan

## Conclusion

The Central Florida MPO Alliance will continue to convene and collaborate to address shared issues that impact residents and visitors of the Central Florida region.

In addition to completing this report, the Central Florida MPO Alliance has compiled a Story Map outlining the goals and outlining the 2045 planning efforts of MPO Alliance members. The Story Map can be viewed by clicking the link [here](#).

## Appendices

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### **Section Outline**

Appendix 1: Road User Statistics

Appendix 2: Highway Statistics

Appendix 3: Source Documentation

## Appendix 1 | Road User Statistics

### Registered Vehicles <sup>46</sup>

Registered Vehicles	2018-19	2019-20	2020-21	2021-22	2022-23
Brevard County	488,833	495,448	513,785	499,776	494,242
Flagler County*	100,896	102,017	109,926	111,569	110,448
Lake County	282,151	284,200	321,284	322,366	324,073
Marion County	296,192	301,643	322,047	313,586	314,012
Orange County	1,181,536	1,187,890	1,336,004	1,289,716	1,319,911
Osceola County	236,945	232,727	236,762	249,945	275,004
Polk County	546,989	538,555	563,224	546,545	551,086
Seminole County	436,431	418,692	411,628	397,525	243,133
Sumter County	91,600	89,108	90,923	92,015	97,034
Volusia County	484,914	472,744	459,818	395,443	409,809
<b>CFMPOA Region</b>	<b>4,146,487</b>	<b>4,123,024</b>	<b>4,365,401</b>	<b>4,218,486</b>	<b>4,138,752</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

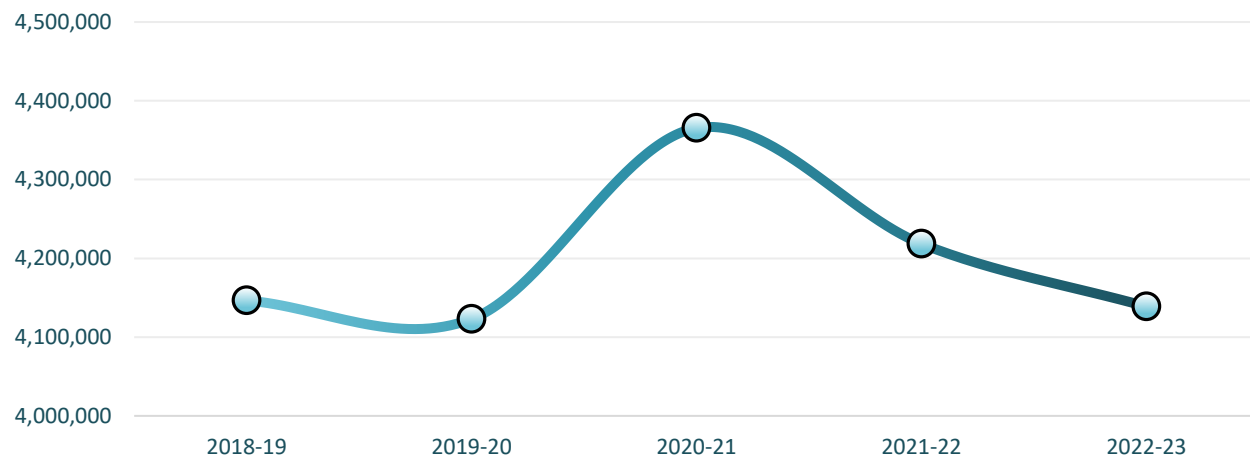
**Source(s):** Florida Dept. of Highway Safety and Motor Vehicles, 2018-2023

Registered Vehicles	2018-19	2019-20	2020-21	2021-22	2022-23
Lake-Sumter MPO	373,751	373,308	412,207	414,381	421,107
MetroPlan Orlando	1,854,912	1,839,309	1,984,394	1,937,186	1,838,048
Ocala Marion TPO	296,192	301,643	322,047	313,586	314,012
Polk TPO	546,989	538,555	563,224	546,545	551,086
River to Sea TPO*	585,810	574,761	569,744	507,012	520,257
Space Coast TPO	488,833	495,448	513,785	499,776	494,242

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Highway Safety and Motor Vehicles, 2018-2023

### Registered Vehicles in the Central Florida MPO Alliance Region



## Licensed Drivers <sup>47</sup>

Licensed Drivers	Feb 2019	Feb 2020	Feb 2021	Feb 2022	Feb 2023
Brevard County	493,217	498,468	507,687	516,690	535,492
Flagler County*	96,665	99,237	104,399	108,729	115,694
Lake County	288,458	298,614	312,777	320,720	335,425
Marion County	296,419	301,545	312,462	321,791	332,406
Orange County	1,042,308	1,074,139	1,094,082	1,112,719	1,142,649
Osceola County	293,318	304,881	324,246	336,759	355,691
Polk County	511,478	527,553	544,431	578,747	602,386
Seminole County	371,088	378,086	380,937	383,587	393,487
Sumter County	100,678	104,184	111,361	117,280	129,239
Volusia County	437,575	443,090	449,100	459,998	476,305
<b>CFMPOA Region</b>	<b>3,931,204</b>	<b>4,029,797</b>	<b>4,141,482</b>	<b>4,257,020</b>	<b>4,418,774</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

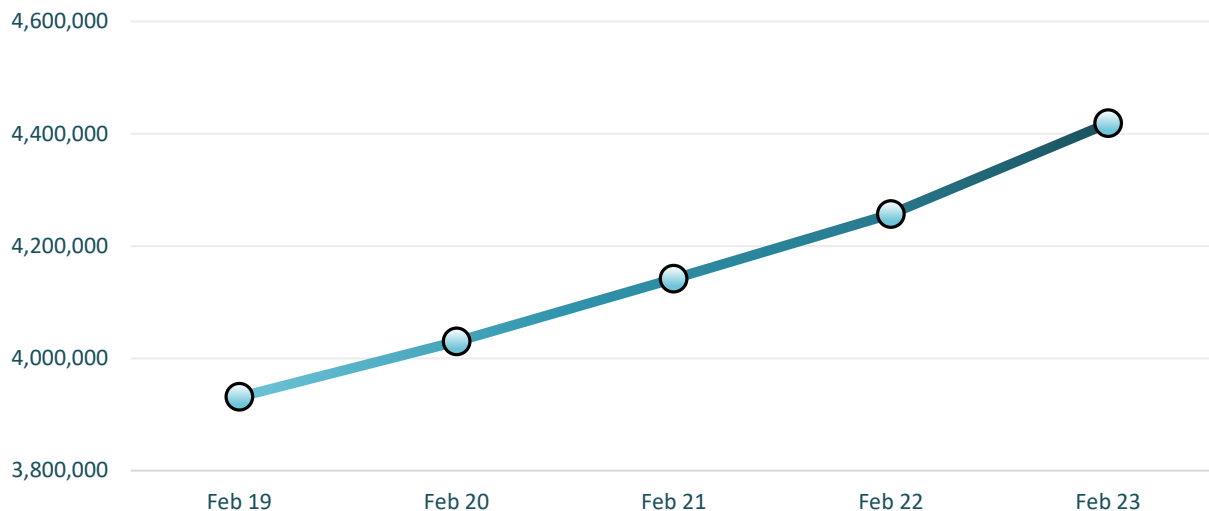
**Source(s):** Florida Dept. of Highway Safety and Motor Vehicles, 2019-2023

Licensed Drivers	Feb 2019	Feb 2020	Feb 2021	Feb 2022	Feb 2023
Lake-Sumter MPO	389,136	402,798	424,138	438,000	464,664
MetroPlan Orlando	1,706,714	1,757,106	1,799,265	1,833,065	1,891,827
Ocala Marion TPO	296,419	301,545	312,462	321,791	332,406
Polk TPO	511,478	527,553	544,431	578,747	602,386
River to Sea TPO*	534,240	542,327	553,499	568,727	591,999
Space Coast TPO	493,217	498,468	507,687	516,690	535,492

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Highway Safety and Motor Vehicles, 2019-2023

### Licensed Drivers in the Central Florida MPO Alliance Region



## Appendix 2 | Highway Statistics

### County & State Roadway Centerline Miles

Centerline miles measure the total length of a roadway regardless of the number of lanes present. The tables below show lane miles, per county and MPO, from 2017 to 2021.<sup>48</sup>

County & City Road Miles	2018	2019	2020	2021	2022	2018-22
% Change						
Brevard County	3,109	3,121	3,132	3,133	3,142	1.1%
Flagler County*	887	888	888	889	869	-2.0%
Lake County	2,139	2,238	2,271	2,313	2,347	9.7%
Marion County	3,517	3,519	3,519	3,521	3,530	0.4%
Orange County	4,286	4,280	4,320	4,347	4,373	2.0%
Osceola County	1,366	1,394	1,396	1,407	1,421	4.0%
Polk County	4,019	4,021	4,026	4,064	4,044	0.6%
Seminole County	1,526	1,524	1,551	1,551	1,554	1.8%
Sumter County	1,105	1,020	1,016	1,015	1,049	-5.1%
Volusia County	3,003	2,994	3,097	3,114	3,058	1.8%
<b>CFMPOA Region</b>	<b>24,957</b>	<b>24,999</b>	<b>25,216</b>	<b>25,354</b>	<b>25,388</b>	<b>1.7%</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, Reports of Highway Mileage, 2018-2022

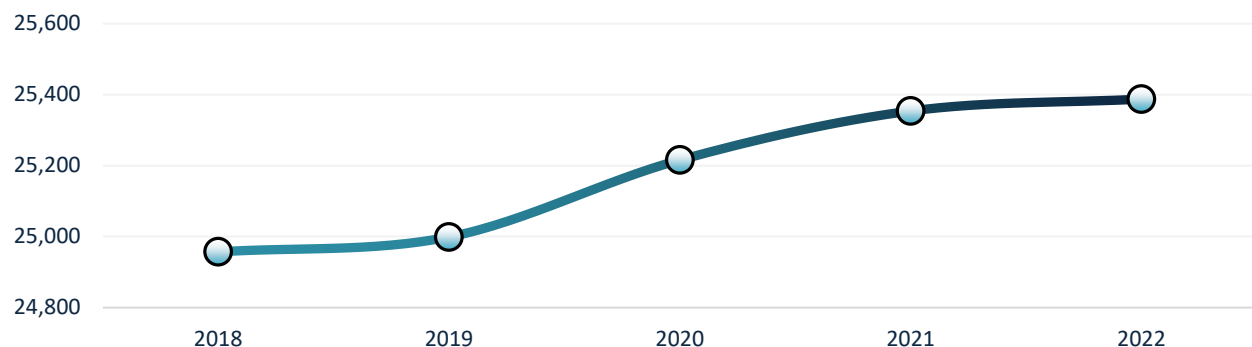
County & City Road Miles	2018	2019	2020	2021	2022	2018-22
% Change						
Lake-Sumter MPO	3,244	3,258	3,287	3,328	3,396	4.7%
MetroPlan Orlando	7,178	7,198	7,267	7,305	7,348	2.4%
Ocala Marion TPO	3,517	3,519	3,519	3,521	3,530	0.4%
Polk TPO	4,019	4,021	4,026	4,064	4,044	0.6%
River to Sea TPO*	3,890	3,882	3,985	4,003	3,927	1.0%
Space Coast TPO	3,109	3,121	3,132	3,133	3,142	1.1%

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, Reports of Highway Mileage, 2018-2022

### County and City Roadway Miles, CFMPOA Region

2018-2022



### State Highway System Lane Miles

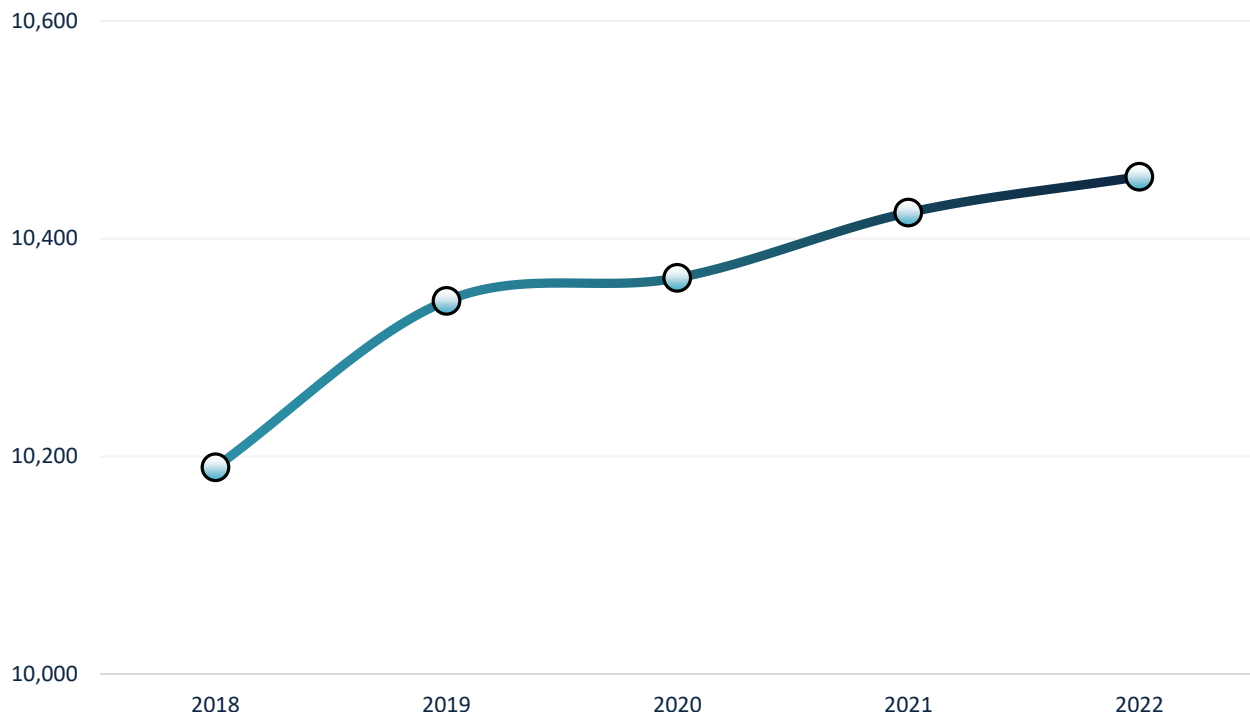
The tables below summarize the total lane miles on the Florida State Highway System (SHS) for each of the 10 counties and six MPO's that are a part of the Central Florida MPO Alliance. Lane miles are calculated by multiplying the number of lanes by the number of miles of roadways. For example: A 2-lane, one-mile-long roadway has 2.0 lane miles.<sup>12</sup>

State Highway System Lane Miles	2018	2019	2020	2021	2022	2018-22
% Change						
Brevard County	1,400	1,401	1,399	1,403	1,403	0.2%
Flagler County*	343	343	343	343	343	0.0%
Lake County	780	788	793	793	793	1.7%
Marion County	936	944	942	942	942	0.6%
Orange County	1,990	2,058	2,060	2,079	2,103	5.7%
Osceola County	748	755	762	762	758	1.3%
Polk County	1,669	1,671	1,682	1,682	1,684	0.9%
Seminole County	512	521	521	529	540	5.5%
Sumter County	417	461	461	466	466	11.8%
Volusia County	1,395	1,401	1,401	1,425	1,425	2.2%
<b>CFMPOA Region</b>	<b>10,190</b>	<b>10,343</b>	<b>10,364</b>	<b>10,424</b>	<b>10,457</b>	<b>2.6%</b>

\* Portions of Flagler County are not included in the CFMPOA Alliance region. This table includes all of Flagler County

**Source(s):** Florida Dept. of Transportation, Reports of Highway Mileage, 2018-2022

### State Highway System Centerline Miles, CFMPOA Region 2018-2022



## Appendix 3 | System Performance Measures

The State of Florida has adopted targets for a number of system performance measures tied to four main categories: 1) Safety; 2) Pavement and Bridge Conditions; 3) System Performance; and 4) Transit Access Management. Statistics for these measures are found below. These statistics are available via the FDOT Source Book.<sup>49</sup>

PM	Description	LSMPO	MP OrI.	OMTPO	PTPO	R2CTPO	SCTPO	Florida	Target
1. Safety									
1.1	Fatalities	90.2	296.4	96.8	138.8	146.6	88.6	3,387	0
1.2	Fatalities per 100 Million Vehicle Miles Traveled	1.604	1.261	2.095	1.793	1.941	1.299	1.541	0
1.3	Serious Injuries	532.2	1,900.2	415.0	457.4	737.6	467.0	17,146	0
1.4	Serious Injuries per 100 Million Vehicle Miles Traveled	9.507	8.096	8.957	5.897	15.397	6.835	7.790	0
1.5	Bike/Ped Fatalities & Serious Injuries	55.2	336.4	55.8	84.0	118.4	86.2	3,154	0
2. Bridge and Pavement Condition									
2.1	% Interstate Pavement in Good Condition	79.3%	76.9%	61.9%	71.3%	94.6%	77.4%	73.4%	> 60%
2.2	% Interstate Pavement in Poor Condition	0.0%	2.6%	0.3%	0.0%	0.0%	0.0%	0.2%	< 5%
2.3	% Non-Interstate NHS Pavement in Good Condition	61.0%	59.5%	47.8%	42.1%	42.1%	50.0%	48.8%	> 40%
2.4	% Non-Interstate NHS Pavement in Poor Condition	0.4%	0.2%	0.6%	0.6%	0.4%	0.2%	0.6%	< 5%
2.5	% NHS Bridge Pavement Deck Area in Good Condition	54.4%	81.8%	59.1%	79.2%	60.0%	42.2%	61.5%	> 50%
2.6	% NHS Bridge Pavement Deck Area in Poor Condition	0.0%	0.1%	0.0%	0.0%	0.2%	0.4%	0.9%	< 10%
3. System Performance									
3.1	% Person Miles Reliable on Interstate	100%	71.5%	100%	83.3%	100%	100%	85.7%	> 70%
3.2	% Person Miles Reliable on Non-Interstate NHS	98.2%	93.8%	96.8%	95.7%	94.7%	95.5%	92.1%	> 50%
3.3	Truck Travel Time Reliability Index	1.46	2.37	1.76	1.73	1.17	1.11	1.46	< 2.00

Source(s): FDOT, FLHSMV, via FDOT Source Book



For measures 3.4 through 4.4, please reference the links to the MPO documents below, as reporting for these performance measures varies.

- [Lake Sumter MPO](#)
- [MetroPlan Orlando](#)
- [Ocala Marion TPO](#)
- [Polk TPO](#)
- [River to Sea TPO](#)
- [Space Coast TPO](#)

### Sources and Dates by PM and MPO

Source year depends on the latest reporting and reporting methodology for each MPO.

PM #	Source	LSMPO	MP Orl.	OMTPO	PTPO	R2CTPO	SCTPO	Florida
1.1	FDOT, FLHSMV	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022
1.2	FDOT, FLHSMV	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022
1.3	FDOT, FLHSMV	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022
1.4	FDOT, FLHSMV	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022
1.5	FDOT, FLHSMV	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022	2018-2022
2.1	FDOT	2022	2022	2022	2022	2022	2022	2022
2.2	FDOT	2022	2022	2022	2022	2022	2022	2022
2.3	FDOT	2022	2022	2022	2022	2022	2022	2022
2.4	FDOT	2022	2022	2022	2022	2022	2022	2022
2.5	FDOT	2022	2022	2022	2022	2022	2022	2022
2.6	FDOT	2022	2022	2022	2022	2022	2022	2022
3.1	FDOT	2022	2022	2022	2022	2022	2022	2022
3.2	FDOT	2022	2022	2022	2022	2022	2022	2022
3.3	FDOT	2022	2022	2022	2022	2022	2022	2022

Note: Multiple years implies a rolling average used

## Appendix 4 | Source Documentation

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