# ELEVATE 2020 ANNUAL REPORT

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Florida Department of Transportation Aviation Office

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### **CHARTING THE COURSE FOR SUCCESS**

The aviation industry is constantly evolving. Shifting aviation technologies, regulations, global economic conditions, and demands for air service bring both challenges and opportunities to Florida's airports. Together, the Florida Department of Transportation (FDOT), the Continuing Florida Aviation System Planning Process (CFASPP), and our airports are committed to ensure that our aviation system remains safe, highly advanced, and responsive to the state's transportation needs—both today and well into the future.

In support of this commitment, FDOT completed the Florida Aviation System Plan 2035 Update (FASP 2035) in 2017. An aviation-specific extension of the Florida Transportation Plan (FTP), the FASP 2035 is the long-term strategic plan guiding Florida's aviation future over the 20-year planning horizon. This report updates the key measures used to evaluate the system's performance in order to understand how the system has progressed since the FASP 2035 was completed.

The FASP Update can be accessed online at www.fdot.gov/aviation/FASP2035.shtm. The FTP is available at www.floridatransportationplan.com.

### **Aviation System Goals**

The future of Florida's aviation system is rooted in the decisions we make today. Founded upon this forwardthinking approach, FDOT, CFASPP, and other aviation partners defined seven goals of the Florida aviation system (shown to the right). These key principles serve as the FDOT's compass as it works to ensure Florida's continued aviation leadership.

### Performance Monitoring

These goals have been translated to actionable and informational metrics known as performance measures and indicators (respectively). First assessed during the FASP 2035 Update, these metrics will be regularly evaluated to identify changes over time and support ongoing system improvement.

A summary of the FASP performance measures and indicators are provided on the following page. Additional details of this data are available in the FASP 2035 Technical Report at www.fdot.gov/aviation/ FASP2035 shtm

- Provide safe, efficient, secure, and convenient service to Florida's citizens, businesses, and visitors. **2.** Contribute to operational efficiency, economic growth, and competitiveness while remaining sensitive to Florida's natural environment.
- **3.** Support and enhance the national position of leadership and prominence held by Florida's aviation industry.









### **FLORIDA AVIATION & SOCIOECONOMICS**



### TOP PROVIDER OF FLIGHT INSTRUCTION IN THE U.S.

Leads the nation in six categories of pilot certificates: Student | Sport | Airline Transport Pilot (ATP) Flight Instructor | Total Pilots | Commercial



Largest gateway into the U.S. for Latin American air cargo







Third most-populous state over 20 million residents









Domestic and international visitors arrived through Florida's airports in 2017–almost half of all of Florida's out of state visitors!

NATIONALLY RANKED **44** for total commercial **TT** *G* airline passengers — 91,179,499 passengers —









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### **AVIATION** ACCESS

Airports vary widely in terms of the facilities and services available to aircraft, pilots, and their passengers. Airports such as Orlando International, Tampa International, and Miami International have the capability to support demanding passenger and cargo aircraft traveling to global destinations. These commercial service airports require long runways, air traffic control towers (ATCTs), Jet A fuel, and other features to support safe and efficient operations.

On the other end of the spectrum, some general aviation airports offer shorter runways and fewer support facilities. These airports are designed for small jet- and piston-powered aircraft typically operated by recreational aviators. Furthermore, certain activities such as business flying and flight training demand their own unique sets of airport attributes.

A truly robust aviation system provides residents with reasonable access to the entire spectrum of aviation facilities, services, and activities. As such, FDOT conducted a series of analyses to determine the percent of Florida's population within a 30-minute drive-time of various types of airports. These analyses help identify areas of comprehensive airport coverage and pinpoint the regions that could most significantly benefit from additional investments in Florida's aviation assets.

With **94%** of the population having access to a public-use airport within a 30-minute drive, Florida's residents have exceptional access to the benefits of air transportation.



Florida's commercial service airports are significant to the national air transportation system, responsible for a moving millions of Florida residents and visitors each y Brak









### AIRPORT PAVEMENT REPORT

Airfield pavement is a critical element of safe aircraft operations and is often one of the most significant expenses an airport faces each year. On a continuous 3-year cycle, the FDOT Aviation Office evaluates the pavement condition index (PCI) of airfields across the state. As an indicator of the general surface condition of pavement, the PCI assessment helps the FDOT Aviation Office and airports know when and where maintenance is required to prioritize project funds and keep airports safe.



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### **DATA DICTIONARY**

### Work Program

summarized here for brevity.

The FDOT's Work Program has programmed and planned funding of \$7.6 billion for Florida's airports for projects beginning in 2014 and running through to 2025. The chart below shows the breakdown for funding.

PROJECT TYPE	2014-2025	PERCENT
Pavement	\$1,726,918,258	23%
Buildings	\$1,643,517,478	22%
Planning	\$436,672,585	6%
Roadway	\$271,543,134	4%
Other <sup>1</sup>	\$141,511,986	2%
Misc. <sup>2</sup>	\$3,353,035,302	44%
TOTALS	\$7.573.198.743*	100%

<sup>1</sup>Other: ARFF Facilities, Security, Weather (AWOS/ASOS), and Land Acquisition. <sup>2</sup> Misc: Various Airport Improvement Projects. \* Totals include FDOT, FAA and local funds.



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8 For more information on these performance measures and indicators or other FASP-related information, please contact Andy Keith, FDOT's Aviation Development Administrator, at (850) 414-4516 or Andy.Keith@dot.state.fl.us









Data Element	Page of Report	2020 Value	2019 Value	Change from 2019 to 2020 *	Updated Data Collection Effort	2020 Data Source	2019 Data Source	Data Source Change	
National Asset General Aviation Airports	3	9	Unchanged	N/A	No		ASSET Report	N/A	
Non-stop Service	3	132 domestic destinations	Unchanged	N/A	No		Air Service Study	N/A	
General Aviation Airports	3	109	Unchanged	N/A	No		FAD	N/A	
Commercial Service Airports	3	20	Unchanged	N/A	No		FAD	N/A	
Large Hub Commercial Service Airports	3	4	Unchanged	N/A	No		NPIAS	N/A	
Based Aircraft Projection	3	1.49%	Unchanged	N/A	No		basedaircraft.com, projection calculation	N/A	
Pilot Categories	3	Top in 6 categories	Unchanged	N/A	Yes	https://registry.faa.gov/activeairmen/#	https://registry.faa.gov/activeairmen/#	No	
GA Operations Projection	3	1.5 million	Unchanged	N/A	No		2017 FASP Survey, projection calculation		
Percent Increase in Enplanements	3	7%	4.48%	2.52%	Yes	https://www.faa.gov/airports/planning_ capacity/passenger_allcargo_stats/ passenger/	https://www.faa.gov/airports/planning_ capacity/passenger_allcargo_stats/ passenger/	No	
National Rank for Airline Passengers	3	#2	#2	None	Yes	https://www.faa.gov/airports/planning_ capacity/passenger_allcargo_stats/ passenger/	https://www.faa.gov/airports/planning_ capacity/passenger_allcargo_stats/ passenger/	No	
Air Cargo Growth	3	2.1% annual growth	Unchanged	N/A	No		FDOT Air Cargo Study	N/A	
Weather Reporting	4	67%	66%	1%	Yes	https://www.faa.gov/air_traffic/weather/asos/	AirNav	Yes	
eALP	4	41%	Unchanged	N/A	No		2017 FASP Survey	N/A	
Master Plan or Sustainability Plan	4	80%	Unchanged	N/A	No		FDOT Aviation office Internal List	N/A	
GPS	4	64%	64%	None	Yes	https://www.faa.gov/about/office_org/ headquarters_offices/ato/service_units/ techops/navservices/gnss/approaches/	AirNav	Yes	
АТСТ	4	37%	Unchanged	N/A	No		2017 FASP Survey	N/A	
Direct Access Conflicts	4	76%	78%	-2%	Yes	Aerial inspection	Aerial inspection	No	
Wide Expansion of Pavement	4	23%	33%	-10%	Yes	Aerial inspection	Aerial inspection	No	
*One airport was added to the study between 2019 and 2020.									



Data Element	Page of Report	2020 Value	2019 Value	Change from 2019 to 2020 *	Updated Data Collection Effort	2020 Data Source	2019 Data Source	Data Source Change	
Three-Node Conflicts	4	17%	22%	-5%	Yes	Aerial inspection	Aerial inspection	No	
FAA Designated Hot Spots	4	17%	16%	1%	Yes	https://www.faa.gov/airports/runway_safety/ hotspots/hotspots_list/	https://www.faa.gov/airports/runway_safety/ hotspots/hotspots_list/	No	
Taxiway Design Standards	4	78%	81%	-3%	Yes	Aerial inspection	Aerial inspection	No	
Based Aircraft	4	11,239	11,897	-658	Yes	Basedaircraft.com, NPIAS; 5010, non-NPIAS	5010	Yes	
Standby Emergency - Terminal	4	45%	Unchanged	N/A	No		2017 FASP Survey	N/A	
Standby Emergency - Airfield Lighting	4	55%	Unchanged	N/A	No		2018 FASP Survey	N/A	
Standby Emergency - Fuel	4	36%	Unchanged	N/A	No		2019 FASP Survey	N/A	
Pilot Training	4	68%	65%	3%	Yes	5010	AirNav	Yes	
Total Pilots	4	69,339	63,450	5,889	Yes	https://registry.faa.gov/activeairmen/#	https://registry.faa.gov/activeairmen/#	No	
Total Certificates	4	101,613	90,233	11,380	Yes	https://registry.faa.gov/activeairmen/#	https://registry.faa.gov/activeairmen/#	No	
Wildlife Hazard Plans	5	54%	Unchanged	N/A	No		2017 FASP Survey	N/A	
Statewide Aviation Annual Economic Impact	5	\$175 billion	Unchanged	N/A	No		2017 Economic Impact Study	N/A	
Terminal Development	5	26%	48%	-22%	Yes	FDOT Work Program	FDOT Work Program	No	
FACT Report	5	0.80%	Unchanged	N/A	No		FACT3 Report	N/A	
Security Plan	5	73%	73%	0%	Yes	FAD	FAD	No	
Demand Capacity, 60%	5	11%	Unchanged	N/A	No		2017 FASP Survey	N/A	
Demand Capacity, 80%	5	7%	Unchanged	N/A	No		2018 FASP Survey	N/A	
Primary Runway RSA Deficiency	5	18%	13%	5%	Yes	Inspection Reports	Inspection Reports	No	
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Data Element	Page of Report	2020 Value	2019 Value	Change from 2019 to 2020 *	Updated Data Collection Effort	2020 Data Source	2019 Data Source	Data Source Change	
Non-primary Runway RSA Deficiency	5	19%	10%	9%	Yes	Inspection Reports	Inspection Reports	No	
Bus System Connectivity	5	60%	70%	-10%	Yes	Route maps	Route maps	No	
Rail System Connectivity	5	20%	15%	5%	Yes	Route maps	Route maps	No	
Jet A Population Percentage	7	90%	90%	0%	Yes	AirNav, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	No	
100 LL Population Percentage	7	92%	96%	-4%	Yes	AirNav, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	No	
Instrument Approach Percentage	7	88%	85%	3%	Yes	https://www.faa.gov/about/office_org/ headquarters_offices/ato/service_units/ techops/navservices/gnss/approaches/, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	Yes	
Instrument Approach Population	7	18,668,266	17,117,941	1,550,325	Yes	https://www.faa.gov/about/office_org/ headquarters_offices/ato/service_units/ techops/navservices/gnss/approaches/, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	Yes	
Flight Training Percentage	7	89%	94%	-5%	Yes	5010, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	Yes	
Flight Training Population	7	18,926,915	19,633,691	-706,776	Yes	5010, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	Yes	
Weather Reporting Percentage	7	100%	100%	0%	Yes	https://www.faa.gov/air_traffic/weather/ asos/, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	Yes	
Weather Reporting Population	7	21,229,863	20,852,312	377,551	Yes	https://www.faa.gov/air_traffic/weather/ asos/, ArcGIS Drivetime Analysis	AirNav, ArcGIS Drivetime Analysis	Yes	
ATCT Percentage	7	80%	80%	0%	Yes	2017 FASP Survey, ArcGIS Drivetime Analysis	2017 FASP Survey, ArcGIS Drivetime Analysis	No	
ATCT Population	7	17,046,651	16,794,300	252,351	Yes	2017 FASP Survey, ArcGIS Drivetime Analysis	2017 FASP Survey, ArcGIS Analysis	No	
Florida Overall Airports in Pavement Report	8	93	92	1	Yes	FDOT Pavement Report	FDOT Pavement Report	No	
Florida Overall Average Runway PCI	8	75/ Satisfactory	76/ Satisfactory	-1	Yes	FDOT Pavement Report	FDOT Pavement Report	No	
Florida Overall Average Airfield PCI	8	71/ Satisfactory	74/ Satisfactory	-3	Yes	FDOT Pavement Report	FDOT Pavement Report	No	
Work Program Project Funding - Total	8	\$7,573,198,743	\$5,677,420,967	\$1,895,777,776	Yes	FDOT Work Program	FDOT Work Program	No	
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