STATE OF THE SYSTEM REPORT

Broward Metropolitan Planning Organization

JUNE 2020

As the Chair of the Broward MPO Board, it is my pleasure to bring to you the "State of the System" report. The MPO Board continues to help create and cultivate a vision for the work of the Broward MPO and this report is one way to help bring that forward. This is one of the newer reports that has been created by the MPO staff, however I believe that it gives a valuable and unique perspective on the transportation landscape of our region.

The original intent of this report was to provide a data rich. but visually engaging method to present information about the transportation network that is being created in Broward. However, I feel as it continues to be updated and grow, it becomes an important tool that not just captures the current planning and programming of the Broward MPO, but also helps to shape the vision of what is yet to come.

This is a document that I believe will have great community impact and provide our partners with a picture of the great work done by the Broward MPO, but also help to inform the decision making process as we work to make Broward a great place to be both now and in the future.



Bryan Caletka Chair



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The MPO Board continues to help create and cultivate a vision for the work of the Broward MPO and this report is one way to help bring that forward.





Gregory Stuart Executive Director

I am pleased to inform you that we are making significant progress to achieve the goals laid out by our Board. The Broward MPO always aims to deliver transportation improvements that serve the needs of all users, however, doing so is no easy task and often proves to be a real "yeoman's lift." That is why I am excited to introduce the *State of the System Report*, which is the Broward MPO's newest data reporting tool that captures useful information about the transportation system in Broward County to help make planning initiatives easier.

Supplemented by land use, population, employment, housing, and commuting data, the State of the System Report neatly depicts information about our roadways, transit systems, bicycle, and pedestrian facilities, airports, and water ports. We have learned a great deal from the data captured thus far, and we invite our planning partners to take a look and use it in their planning efforts, so we are all on the same page as we shape the future of Broward County.

The *State of the System Report* will help us at the Broward MPO **identify project needs** with the greatest expected positive impacts, improve Board activities and materials, and expand our presence and community outreach. It will also help our partners effectively understand the current strengths and weakness of the system and empower them to be a part of the collaborative decision-making that needs to occur to resolve the transportation issues we face. Join us in shaping the future of Broward's transportation system.



66 This report will inform the decision-making process in our effort to develop, fund, and track projects more effectively in the future.

CONTENTS

INTRODUCTION

Overlapse and Approach

- Key Components of the Transportation 2 System
- System

OVERVIEW OF THE REGION

	Land Use and Population	3
	Employment	4
	Housing	5
	Commuting	5
3	Housing + Transportation Affordability	6

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SYSTEM CONDITIONS AND FACTS

Roadway	7
Transit	11
Transit Asset Management	14
Biking and Pedestrian	15
Airports	17
Seaport and Waterway	19
Land Freight	20

APPENDIX

Glossary of Terms	22
Summary of Data Sources	22





The purpose of the State of the System Report is to provide a data-driven "snapshot" that assists us in our planning efforts and those of our regional planning partners. This report contains the most recent and available baseline transportation and land use data about Broward County and its multimodal transportation system. Having this data available and ready each year will improve our ability "to plan, prioritize, and fund the delivery of diverse transportation options," as our Strategic Business Plan's Mission Statement has specified.

Equipped with the most current conditions and key characteristics of Broward County, we can do more to identify mobility issues and align them with the current *Strategic Business Plan* Goals and Objectives, such as:

- Identify projects with the highest expected positive impacts;
- Fund projects that deliver diverse transportation options;
- Improve Board meetings and informational materials; and
- Expand staff technical skills and support services.

Within this report, there are two major sections:

- 1. **Overview of the Community**, which provides demographic and socioeconomic summaries of the County, and
- 2. **System Conditions and Facts**, in which each major transportation component and mode is discussed regarding facility conditions, traffic characteristics, performance, and financial conditions.

In general, this report highlights data attributes that will be important to all of our Core Product planning efforts, especially the *Metropolitan Transportation Plan (MTP)*, the *Transportation Improvement Plan (TIP)*, and the *Multimodal Priorities List (MMPL)*.

The U.S. Census Bureau's 2016 American Community Survey (ACS) 5-Year Estimates Profile¹ serves as the primary data source for the Overview of the Community section. All other statistical summaries in this report used the most the recent and available data from other sources including the Broward MPO, Florida Department of Transportation (FDOT), Federal Railroad Administration (FRA), National Transit Database (NTD), Bureau of Transportation Statistics (BTS), and individual transportation providers.

¹For more information about the U.S. Census Bureau's 2016 ACS 5-Year Estimates Profile, please visit https://factfinder.census.gov

Key Components of the Transportation System

Roadway System

- National Highway System
- Local Roadways
- Bridges

Transit System

- Broward County Transit
- Tri-Rail South Florida Regional Transportation Authority (SFRTA)
- Park & Ride Termini

Biking and Pedestrian Systems

- Bicycle Lanes
- Sidewalks and Shared Use Paths
- Bike-Share Systems
- Dockless Bike Share and Scooter Share
- Parks for Recreational Biking

Airports

- Fort Lauderdale-Hollywood International Airport (FLL)
- Pompano Beach Airpark
- Fort Lauderdale Executive Airport (FXE)
- North Perry Airport

Seaports and Waterways

- Port Everglades
- Waterways (e.g., canals)

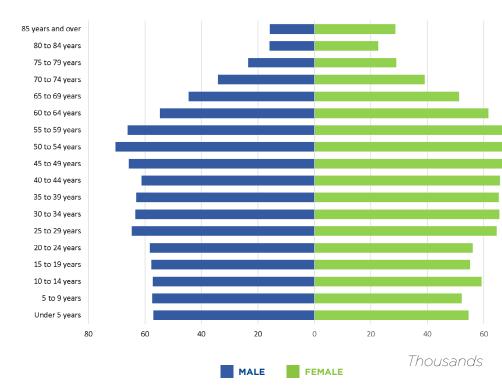
Land Freight

- Freight Railways
- National Freight Highway Network



Broward County is growing rapidly. Since 2010, the population has increased by 1.0% annually and was estimated to be 1.90 million in 2018 (1.73 million in 2010). The chart below shows the 2018 population by age cohort. Among the 31 municipalities in the County, Fort Lauderdale, Pembroke Pines, Hollywood, Miramar, and Coral Springs are the top 5 populated cities.

POPULATION BY AGE COHORT, BROWARD COUNTY. 2018



Source: U.S. Census 2018 ACS 5-Year Estimates





Transportation, Warehousing & Utilities

Professional Services & Waste Managem

Educational & Health Se

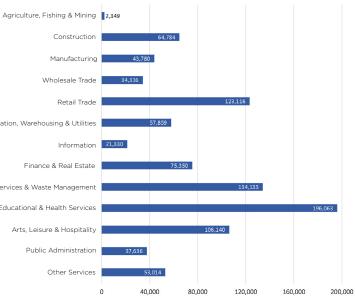
Arts, Leisure & Hospitali

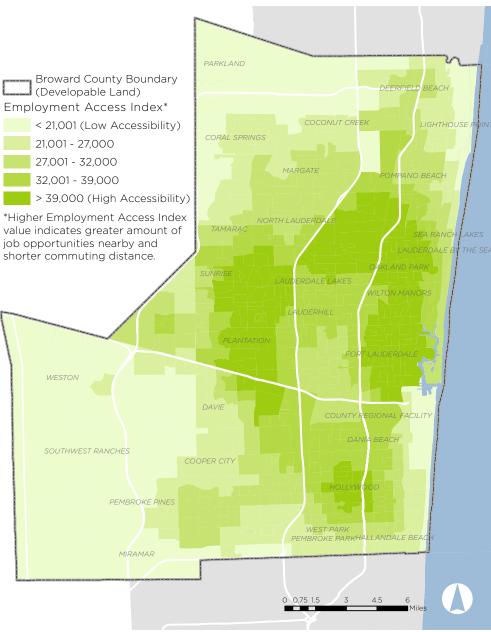
Source: U.S. Census 2018 ACS 5-Year Estimates

Approximately 950,000 employed people are working within many different industries in Broward County. Fort

Lauderdale, Sunrise, Hollywood, Pompano Beach, Plantation, and Pembroke Pines provide over 50% of all job opportunities in the County. Workers living in these areas are located closer to employment centers, suggesting that a portion of them may have shorter commuting distances.

NUMBER OF EMPLOYEES BY INDUSTRY SECTOR, BROWARD COUNTY, 2018



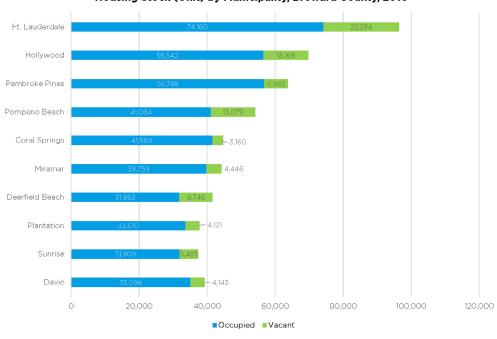


Source: LAI (Version 2.0), HUD



Commuting

Broward County contains an estimated 821,000 housing units, with an average density of 1,955 units per square mile. 16.9% of these housing units are vacant, which is 3.8% higher than the national housing vacancy rate. In general, municipalities located by the ocean have higher development density but lower occupancy rate than those located inland.

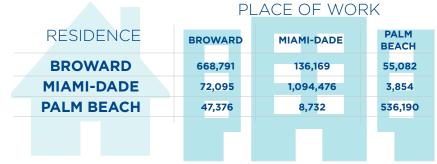


Housing Stock (Unit) by Municipality, Broward County, 2016

Source: U.S. Census ACS 2018 5-Year Estimates

Broward County has 860,762 residents commuting within the region (South Florida) including 78% working in Broward, 16% working in Miami-Dade, and 6% working in Palm Beach. Approximately, 89% of commuters rely on a personal automobile or carpool to get to work. On average, people spent 28.4 minutes commuting to work per trip in 2018.

COMMUTING FLOW IN SOUTH FLORIDA



Source: U.S. Census ACS 2011-2015 Commuting Flows

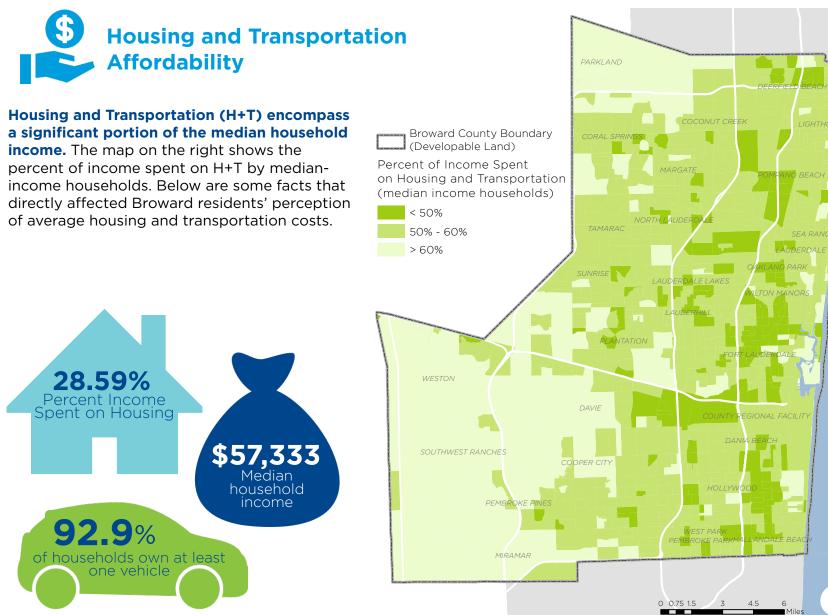
COMMUTING TIME (AVERAGE MINUTES) BY MODE



Source: U.S. Census ACS 2016 5-Year Estimates







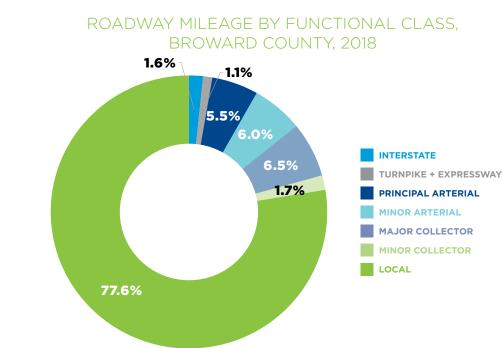
Source: U.S. Census 2018 ACS 5-Year Estimates

Source: LAI (Version 2.0), HUD



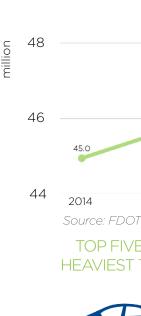
Broward County residents rely heavily on autooriented transportation, which creates demand for a well-designed, efficiently managed, and regularly maintained roadway system. In 2018, there were approximately 5,053 miles of roadways throughout the County which FDOT, Broward County, and the local municipalities maintained.

The County's major highway corridors, I-95, I-595, I-75, and the Florida Turnpike, carry long-distance intra- and inter-county traffic throughout the region. The arterials, collectors and local roadways connect communities to both major places of interest and larger transportation corridors.



Source: FDOT

47.9 million.





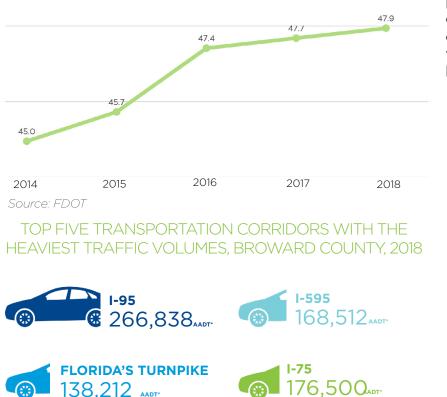


Source: FDOT

5,053 τοται ROADWAY MII FS

In 2018, Broward County ranked second in Florida for vehicle-based trips, and it was reported that the daily vehicle miles traveled (DVMT) on public roads reached

DAILY VEHICLE MILES TRAVELED BY YEAR. BROWARD COUNTY, 2014-2018



SAWGRASS EXPRESSWAY 04.071_{AADT*}

*Average AADT of

Segments Monitored along the Corridor

Roadway Safety Profiles

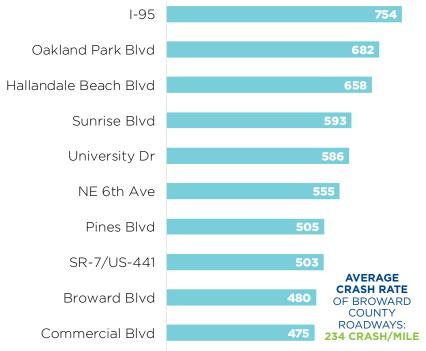
Safety is always a priority in Broward County. From 2013-2017. there were a total of:

> 180,648 852 TRAFFIC CRASHES TRAFFIC FATALITIES

6,509 SEVERE TRAFFIC INJURIES

The average crash death rate is 9.2 per 100,000 population per year (4.3 lower than state rate). Approximately 50% of all these crashes were concentrated on the roadway corridors shown below. Among these corridors, US-1 had the highest fatality rate (0.6%), and Sample Road had the highest severe injury rate (6.2%).

AVERAGE NUMBER OF CRASH PER MILE BY ROADWAY CORRIDORS, BROWARD COUNTY, 2013-2017



Source: FDOT

National Highway System

The National Highway System (NHS) is a strategic highway network of the United States. The pavement conditions (measured by the International Roughness Index), of the NHS in Broward County, roadways and bridge conditions (rated based on National Bridge Inspection Standards) can be seen below:

Interstate NHS **Pavement Conditions**

Broward MPO 4-Year Target: 60% of Lane Miles Rated as "Good"

Current Conditions = **56.8% Good**

Non-Interstate NHS **Pavement Conditions**

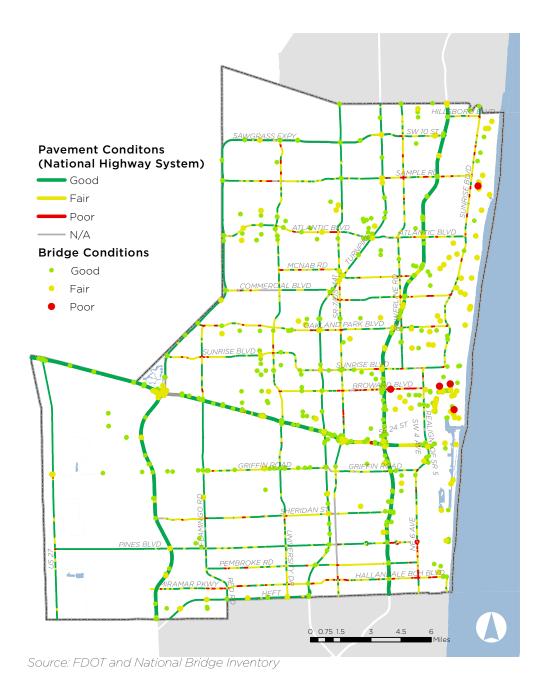
Broward MPO 4-Year Target: 40% of Lane Miles Rated as "Good"

Current Conditions = **36.7% Good**

NHS Bridges Broward MPO 4-Year Target: 60% of Deck Area Rated as "Good"

urrent Conditions = 77.7% Good

Source: FDOT (2018)





Broward MPO 4-Year Target: **50%** of Person-Miles Traveled are Reliable



The Level of Travel Time Reliability (LOTTR), for a particular roadway segment on the Interstate or non-Interstate NHS, is defined as the consistency or dependability in travel times, as measured from day-today and/or across different times of day. The measures are the percent of person-miles traveled on the relevant portion of the NHS that are reliable. Person-miles are used because they take into account the users of the NHS, whether on bus, auto, or truck.

Interstate NHS LOTTR

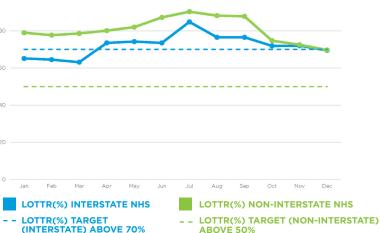
Broward MPO 4-Year Target: 70% Person-Miles Traveled are Reliable

Current Conditions = 73% Reliable

Non-Interstate NHS LOTTR

Current Conditions = 83% Reliable

LEVEL OF TRAVEL TIME RELIABILITY. **BROWARD COUNTY, 2018**



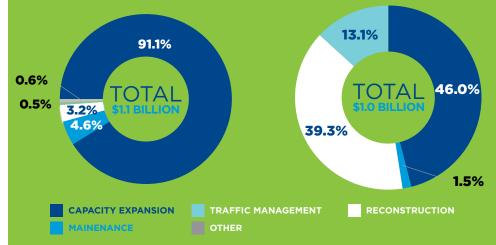
Current Roadway Construction Projects Currently, there are 25 major roadway projects under construction in Broward County. According to FDOT, 86% of which are associated with seven (7) interstate highway improvements. Only 7 out of 25 projects are "Capacity Expansion," which account for 91.1% of all costs.

Existing Roadway Planning Efforts

The Metropolitan Transportation Plan (MTP) is one of the Broward MPO's Core Products and is considered the "cost feasible" blueprint of the County's transportation system over the next 20 years. In our current MTP, Commitment 2045 (Adopted 12, 2019), 75 roadway projects were selected for future investments, worth a total of \$5.2 billion. Compared to the FDOT projects that are under construction, Commitment 2045's projects interstate arterials.



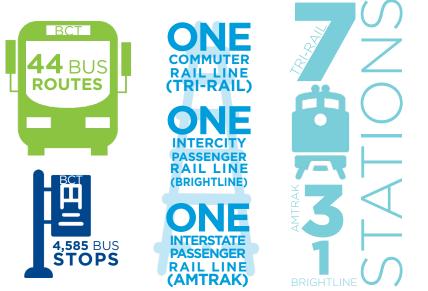
DISTRIBUTION OF COST BY TYPE FOR BROWARD MPO PROJECTS IN COMMITTMENT 2045 (ADOPTED DEC 12, 2019)

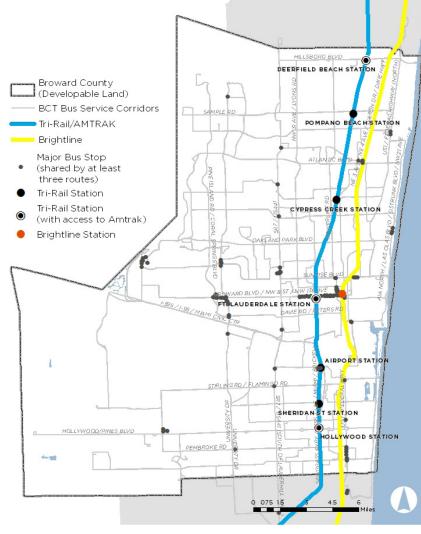




The transit system in Broward mainly consists of Broward County Transit (BCT; an urban bus system with paratransit service), Tri-Rail (a commuter rail line that serves about 3.1% of commuters in the area), Brightline (privately owned intercity rail), and AMTRAK (interstate rail).

Tri-Rail, which is operated by the South Florida Regional Transportation Authority (SFRTA), connects Mangonia Park in Palm Beach County to Miami International Airport with 71-miles of tracks including seven rail stations located in Broward.





Transit Systems in Broward County

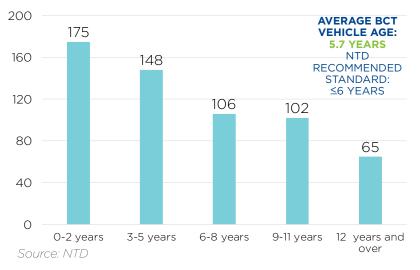
Source: FDOT and BTS

Per 2018 data, BCT operated a mixed fleet of 589 public and privately owned vehicles. Their vehicles available for maximum service (507 vehicles) had an average age of 4.8 years. BCT's bus fleet consisted of articulated buses, buses, cutaway buses and over-the-road buses. Their demand response fleet consisted of cutaway buses, minivans, and vans. No data was available for BCT's on-time performance.

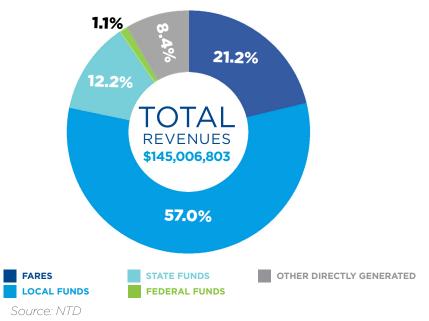
BCT had 9.2 mechanical breakdowns per vehicle in 2018, which was lower than its neighboring peer (Miami-Dade Transit, 11.2, and Palm Tran, 7.4).

In the past five years, BCT's ridership has declined by 5.2%. In 2018, BCT recorded 28.6 million passenger trips. The average trip length was 5.4 miles/passenger trip. According to their financial reports, BCT had \$143.6 million of total operating expenses. 51% of these expenses were from vehicle operations.

NUMBER OF FLEET VEHICLE BY AGE, BCT, 2018



BCT OPERATING REVENUE SOURCES, 2018





In 2018, there were 4.3 million passenger trips made on Tri-Rail. Compared to the BCT, passengers tend to use commuter rail services for longer trips (average trip length: 28 miles/passenger trip).

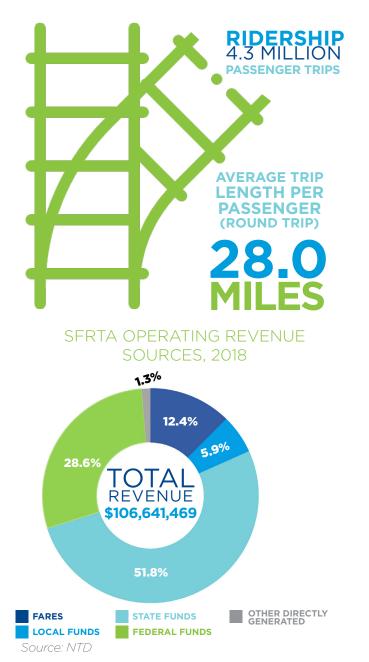
Reliable commuting travel time ensures efficient transfers between modes. The average on-time performance (OTP; measured by the percentage of on-time services) of Tri-Rail was 93% in 2018, 7% higher compared to 2017. Common factors for service delays include regular facility maintenance, right-of-way conflicts with other track users, and mechanical breakdowns.

SFRTA had \$99.6 million of total operating expenses (mostly spent on vehicle operations and facility maintenance). State funds and federal funds were the primary revenue sources for recovering these expenses.





Source: SFRTA





The Transit Asset Management rule from the Federal Transit Administration (FTA) became effective on October 1, 2016. The rule introduces requirements for new State of Good Repair (SGR) performance measures and Transit Asset Management (TAM) Plans. Transit agencies and MPOs are required to set targets on a yearly basis.

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Rolling enue Ve exceed Benchr

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Facilitie rated b FTA Tra Require

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Performance Measure	Asset Class/Type	Useful Life Benchmark (ULB)	Adopted Regional Targets
g Stock- Percentage of Rev-	Cutaway Bus (CU)	10 years	0%
/ehicles that have met or ded their Useful Life	Paratransit Mini Bus (MV)	8 years	0%
mark (ULB)	40 Foot Bus (BU)	14 years	15%
	60 Foot Articulated Bus (AB)	14 years	0%
	45 Foot Bus (BR)	14 years	0%
	Commuter Rail Locomotive (RL)	39 years	0%
	Commuter Rail Passenger Coach (RP)	39 years	0%
	Commuter Rail self- propelled passenger car (RS)	39 years	0%
nent- Percentage of non- le, support-service and mance vehicles that have exceeded their (ULB)	All non-revenue vehicles	8 years	0%
	Other rubber tire vehicles	14 years	0%
ies- Percentage of facilities below Condition 3 on the ransit Economic ements Model (TERM)	Passenger, maintenance, parking and administrative facilities	Condition Rating 3.0	30%
ructure- Percentage of egments with performance tions	Rail fixed guideway, track and signals	Performance Restrictions	8%



Compared to auto and transit users, bicyclists and pedestrians are considered the most vulnerable group of people on the roadway. Between 2013 and 2018, there were 9,290 crashes in Broward County that involved bicyclists and pedestrians. 4.1% of them had at least one fatality, which means the odds of having a fatality in a bicycle or pedestrian crash is higher than any other type of crash.

AVERAGE NUMBER OF BIKING & PEDESTRIAN-RELATED CRASH PER MILE BY ROADWAY CORRIDORS, BROWARD COUNTY, 2013-2017



A good transportation system should be planned and designed for all users. In recent years, state, county, and local governments have been working to improve bicycle and pedestrian facilities in Broward County. In 2017, 49.7% of roadways featured sidewalks, and 5% had installed designated bike lanes.

TOTAL

88.6

ΓΟΤΑΙ

MILES OF MILES OF MILES OF **GREENWAYS SIDEWALKS BIKE LANES** ATIONS **PARKS WITH** PATHS FOR RECREATIONAL BICYCLING

ΓΟΤΑΙ

Between 2014 and 2018, the Broward MPO's Transportation Alternative Program (TAP) and Complete Streets and Other Localized Initiatives Program 📚 35 (CSLIP; the replacement for TAP) significant transportation projects. These 25 of total capital expenses.

The Broward Complete Streets Initiative was developed to assist local governments in creating a transportation system that serves all users. As the implementation arm of the Complete Streets Initiative, the Broward MPO's Mobility Program identifies and active transportation.

Existing Planning Efforts (Biking & Pedestrian)

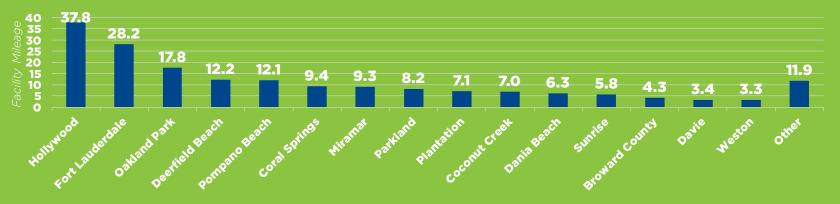


STATUS OF MOBILITY PROJECT

MILEAGE, BROWARD MPO, 2018

TAP AND CSLIP PROJECT COSTS BY YEAR, BROWARD MPO

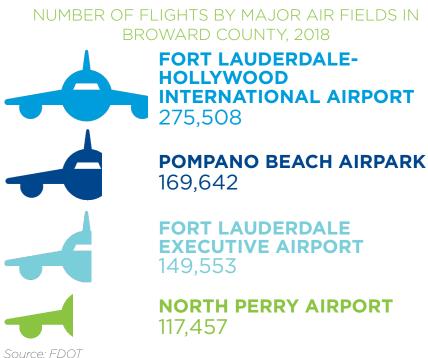
BIKE LANE AND SIDEWALK PROJECT MILEAGE BY MUNICIPALITY, BROWARD MPO (2013-2015 TAP, CSLIP CYCLE 1, CSLIP CYCLE 2 AND 2017-2018 MOBILITY PROGRAM)





Broward County currently has 19 airfields serving the aviation industry, in four major airports (i.e., Fort Lauderdale-Hollywood International Airport Fort Lauderdale Executive Airport, Pompano Beach Airpark, and North F Airport). In total, they generated approximately 713,000 flights (departur arrivals) in 2018.

In 2018, Fort Lauderdale-Hollywood International Airport (FLL) ranked 18 among all major U.S. airports with 36.0 million passengers served (includ arrivals and departures). When compared to the Miami International Airp (MIA) and Palm Beach International Airport (PBI), shown below, FLL has increased their passenger traffic between 2014 and 2018 (46% increase).



	FLL AIR TR	AFFIC, 2018
ncluding t, Perry ıres and	PASSER Domestic International Arrival	NGERS 27,355,007 8,608,363 18,307,046
	Departure	17,656,324
8th des oort s steadily	AIR CARGO 547.6 lb. of landed weight Source: BTS	

TOTAL NUMBER OF PASSENGERS BY YEAR. FLL. MIA AND PBI



Atlanta, GA: ATL Newark, NJ: EWR New York, NT: LGA Baltimore, MD: BWI New York, NY: JFK Detroit, MI: DTW Philedelphia, PA: PHL Boston, MA: BOS

Dallas/Fort Worth, TX: DFW

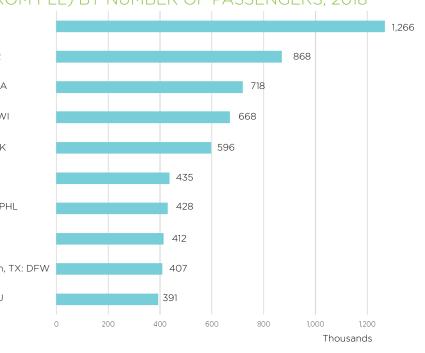
San Juan, PR: SJU

Source: BTS

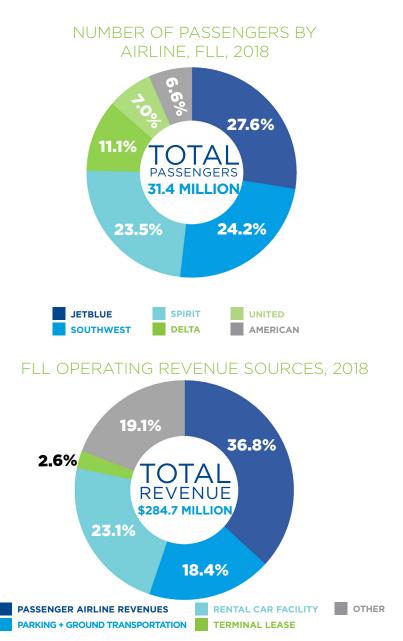
Source: BTS

In 2018. Hartsfield-Jackson Atlanta International Airport (ATL) receives the most number of flights from FLL, compared to other major destinations. Southwest, JetBlue, Spirit, Delta, and American airlines provide more than 80% of flights coming to and from FLL. The on-time rate of FLL departed flights was 77% (ranked 25th in the nation) with an average delay of 65.3 minutes (ranked 16th in the nation).

In 2018, FLL's operating revenue reached \$284.7 million, 54% of which were from passenger airline revenues, and parking and ground transportation. FLL's annual operating expense was \$175.8 million.







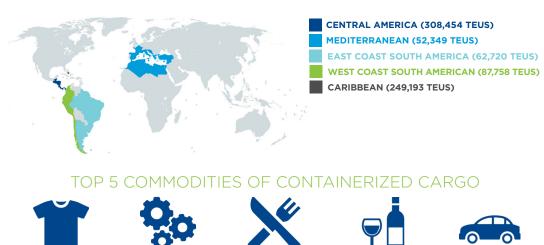
Source: BTS



Broward County is well-known for its water-related assets. In total, there are 286 marina facilities and 94 port facilities (71 of them serve Port Everglades). These facilities are distributed between Port Everglades Harbor, the Intercoastal Waterway, and Broward County's major rivers and canals (e.g., New River and Dania Cut Off Canal).

In 2018, Ranked Port Everglades was considered the 18th largest container port in the nation, serving 7.4 million tons of containerized cargo and 18.5 million tons of petroleum and other cargo. Port Everglades' operating revenue was \$167.9 million, and operating expense was \$103.9 million.

TOP 5 MARKETS OF CONTAINERIZED CARGO



APPAREL 64,398 TEUS

MACHINER 60,883 TEUS



BEVERAGES 38,502 TEUS

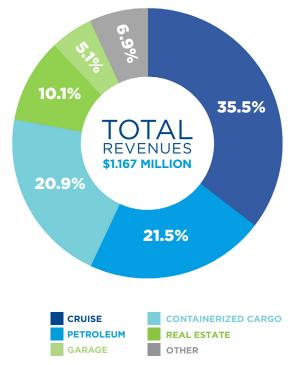




TOTAL CRUISE PASSENGERS 3.9 million (2014-2018 growth: -3.3%)

TOTAL CARGO MOVEMENTS 25.7 million tons (2014-2018 growth: 10.6%)

PORT EVERGLADES OPERATING **REVENUE SOURCES, 2018**





movements.

FLOR
I-95
I-75
SAW
1-595

Source: FDOT

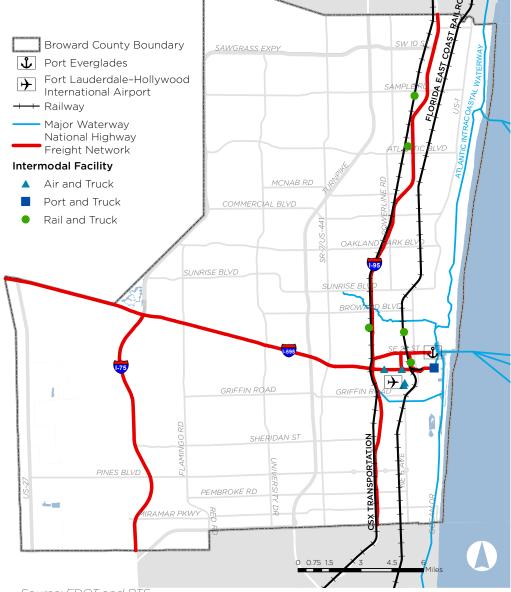
Source: Port Everglades

Broward County freight network consists of the roadways for trucks and railways for freight trains. Various intermodal and transload facilities connect these two components throughout the region.

I-95, I-595, and I-75 are designated as parts of National Highway Network (90.1 total miles in Broward County). This does not exclude other roadway corridors that have also been known to serve as alternative routes for large truck

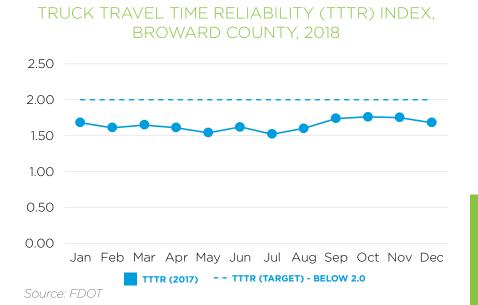
PERCENTAGE OF TRUCK TRAFFIC ON MAJOR FREIGHT CORRIDORS

	TRUCK % OF ALL TRAFFIC
IDA'S TURNPIKE	9.1%
	5.2%
	8.7%
GRASS EXPRESSWAY	5.5%
	6.3%

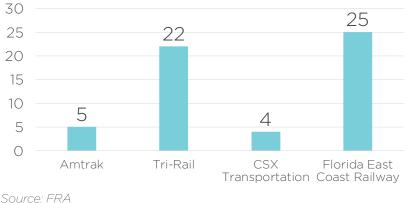


Source: FDOT and BTS

The Truck Travel Time Reliability (TTTR) Index is the FDOT's metric used to assess truck movement reliability on the Interstate system. In 2018, the average TTTR was 1.6, which met the Broward MPOs' 4-year target (i.e., below 2.0).



RAILWAY GRADE CROSSING CRASHES BY REPORTING AGENCY/COMPANY, 2014-2018



Existing Planning Efforts (Freight)

The Broward MPO's Freight Transportation Advisory Committee (FTAC) was established to provide a forum for both the freight community and the MPO to improve decision-making regarding freight project selection and prioritization. The FTAC meets quarterly, attended by members, advisors, presenters and public audiences.

The Broward MPO worked with FEC, CSX, Brightline, Tri-Rail and eight Broward municipalities to create the Quiet Zone. This effort was meant to decrease noise levels from train horns throughout local communities. A 26-mile Quiet Zone segment along the FEC railroad corridor going through eight municipalities: Deerfield Beach, Pompano Beach, Oakland Park, Wilton Manors, Fort Lauderdale, Dania Beach, Hollywood, and Hallandale Beach has been implemented. This Quiet Zone is the largest continuous quiet zone in the country.

State of the System Report 20

Broward County's rail freight system includes the Florida East Coast (FEC) Railway (whose rail tracks are shared with Brightline) and CSX Transportation line (whose rail tracks are shared with Tri-Rail and Amtrak). Between 2015 and 2017, the rail freight system had 36 grade crossing accidents that were reported by rail freight providers





Glossary of Terms

Annual Average Daily Traffic (AADT)	The total volume of traffic on a highway segment for one year, divided by the number of days in a year.
Daily Vehicle Miles Traveled (DVMT)	A measure of daily total vehicle activity. It is calculated by multiplying the number of vehicles (traffic volume) on a given roadway segment during a day by its length.
Employment Access Index (EAI)	Number of jobs in area block groups divided by squared distance of block groups. EAI is used in Location Affordability Index to measure the job accessibility of a particular area. Higher EAI indicates more jobs nearby and shorter commuting distances.
International Roughness Index (IRI)	Required by the Federal Highway Administration, IRI is a standard index for consistently expressing pavement smoothness.
Location Affordability Index (LAI)	Developed by U.S. Department of Housing and Urban Development (HUD), LAI is a user-friendly source of standardized data on combined housing and transportation costs to help consumers, policymakers, and developers make more informed decisions about where to live, work, and invest. LAI Version 2.0 uses 2008-2012 American Community Survey Data.
Level of Travel Time Reliability (LOTTR)	LOTTR is a ratio calculated by dividing the 80th percentile travel time of a reporting segment by the 50th percentile travel time of a reporting segment occurring throughout one full calendar year. Broward MPO reports the percentages of person- miles traveled on NHS structures that are considered reliable.
National Bridge Inspection Standards (NBIS)	Established by Federal Highway Administration, NBIS is used to inspect and rate the conditions of publicly owned bridges greater than 20 feet in length.
Twenty-Foot Equivalent Unit (TEU)	TEU is an standardized unit (20-foot long) of containerized cargo. It can be easily transferred between different freight transportation modes (e.g. ships, trains and trucks).
Truck Travel Time Reliability (TTTR) Index	TTTR is the metric used to assess the movement of trucks on the Interstate system. It is a ratio calculated by dividing the 95t percentile time by the 50th percentile for each segment. The TTTR Index is generated by multiplying each segment's largest ratio of the five periods by its length, then dividing the sum of all length-weighted segments by the total length of Interstate.

Summary of Data Sources

BROWARD MPO http://www.BrowardMPO.org/

67

FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) - TRAFFIC AND FACILITY http://www.fdot.gov/statistics/gis/

AMERICAN COMMUNITY SURVEY, U.S. CENSUS BUREAU https://www.census.gov/programs-surveys/acs/

FEDERAL HIGHWAY ADMINISTRATION (FHWA) - BRIDGE https://www.fhwa.dot.gov/bridge/nbi.cfm

FEDERAL RAILROAD ADMINISTRATION (FRA) - SAFETY https://safetydata.fra.dot.gov/OfficeofSafety/default.aspx

NATIONAL TRANSIT DATABASE (NTD) https://www.transit.dot.gov/ntd/ntd-data

BUREAU OF TRANSPORTATION STATISTICS (BTS) - AIRLINES AND AIRPORTS https://www.bts.gov/topics/airlines-and-airports-0

PORT EVERGLADES http://www.porteverglades.net/

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