

Dockless Mobility Experience

MPO New Mobility Training

May 29, 2019

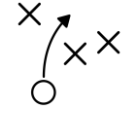


Agenda

1. Regulatory Approach
2. Ridership, Crashes and Surveys
3. Looking Toward 2020

Regulatory Approach

Equipment



- Lights meet F.S. for bikes
- Brakes
- Visible rules
- Smartphone application
- Top powered speed



Regulatory Approach

Parking and Right-of-Way

- Minimum clear path to meet ADA
- No blocking of street furniture
- Must be upright
- Ability to geofence
- Right to define corrals

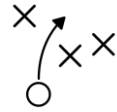


Regulatory Approach

Maintenance, Operations, and Fleets

- Helmet laws
- Notice to relocate timeline
- Ability to confiscate and impound
- Tropical Weather Plan
- Customer service hotline
- Maximum fleet size of 500
- Maximum increase interval of 250

Regulatory Approach



Liability

- Full indemnification of City of Fort Lauderdale
- Public Liability Insurance
- Property Damage Insurance
- Performance Bond

RLI RLI Insurance Company
 P.O. Box 3967 Peoria, IL 61612-3967
 Phone: 309-692-1000 Fax: 309-692-8637

LICENSE BOND

BOND No: Premium: \$	ACORD [®]	CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 10/16/2018			
KNOW / herein af existing i Florida	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.						
of Ter (\$10,000.0 well and assigns, f	IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).						
THE CO entered ir of Fort La the purp sharing s which lic	PRODUCER GMGS Risk Management & Insurance Services 6201 Oak Canyon, Suite 100 Irvine, CA 92618 www.gmgs.com	CONTACT NAME: Ashley Brewster PHONE (A/C, No, Ext): 949-559-3377 E-MAIL ADDRESS: ashleyb@gmgs.com	FAX (A/C, No): 949-559-6703				
	INSURER(S) AFFORDING COVERAGE	NAIC #					
	INSURER A: AXIS Surplus Insurance Company	23620					
	INSURER B: Houston Casualty Company	42374					
	INSURER C: Ohio Security Insurance Company	24082					
	INSURER D:						
	INSURER E:						
	INSURER F:						
	COVERAGES		CERTIFICATE NUMBER: 44905856	REVISION NUMBER:			
	THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			P-001-000027914-01	5/1/2018	5/1/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
	GEN'L AGGREGATE LIMIT APPLIES PER:						
	<input type="checkbox"/> POLICY	<input type="checkbox"/> PRO-JECT	<input type="checkbox"/> LOC				
	OTHER:						

Regulatory Approach

Equity and Data

- Access for those without smartphones
- Equitable access for all service areas
- Requirement to inform price changes
- 6-month and 12-month surveys
- Monthly, quarterly, annual reports

Fort Lauderdale Dockless Mobility Six-Month Rider Survey

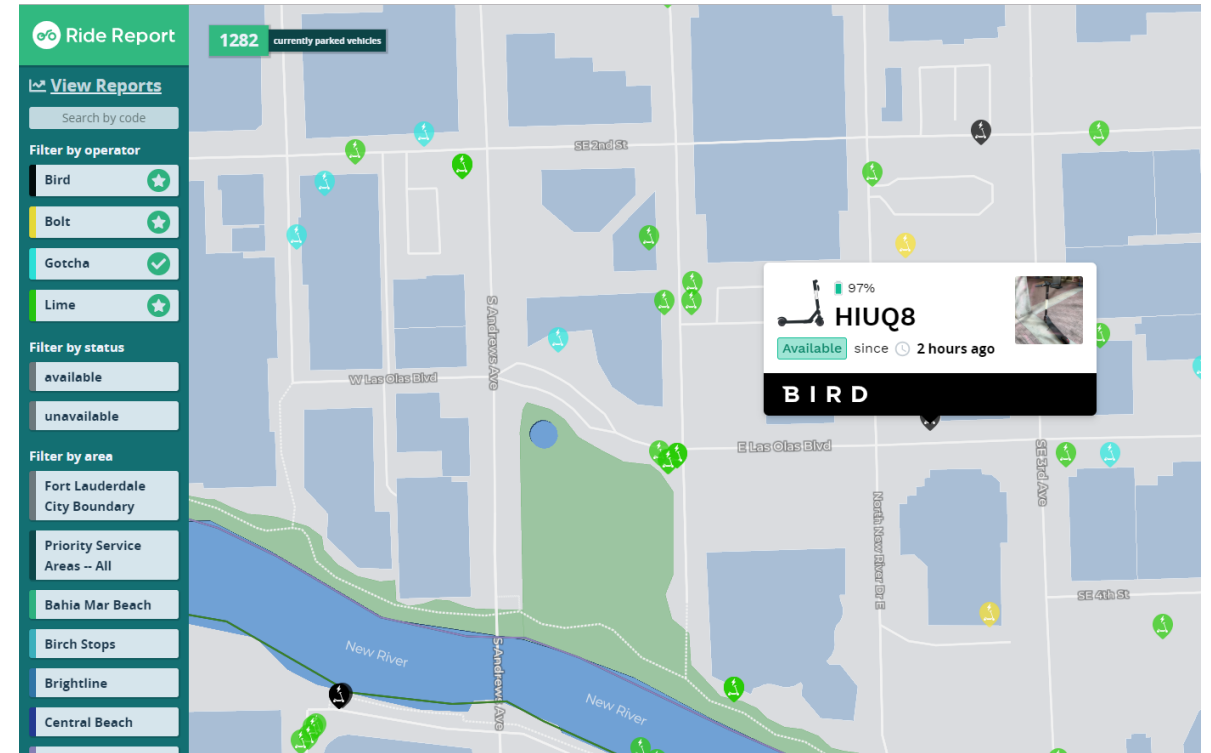
If you've ridden dockless scooters in Fort Lauderdale, please take this quick 18-question survey. The survey should take less than 5 minutes to complete and will help planners make improvements for dockless scooters in Fort Lauderdale.

OK

Regulatory Approach

Mobility Data Specification (MDS)

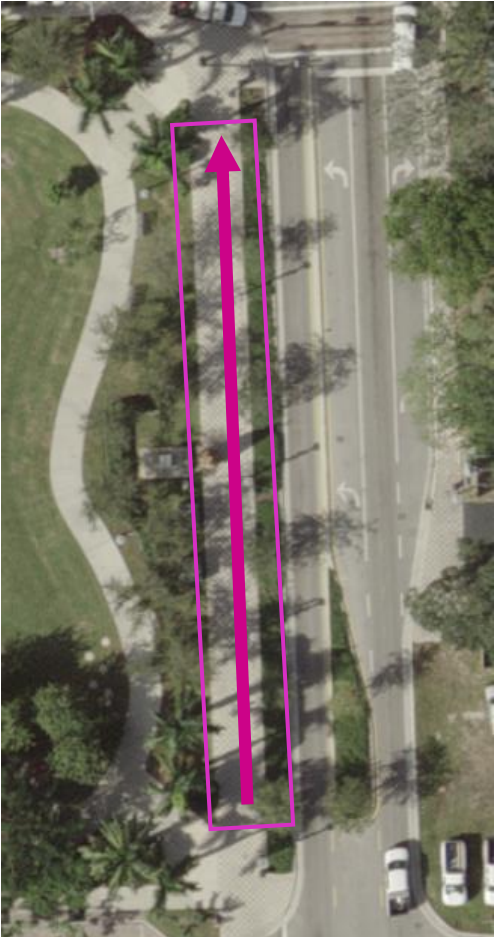
- Incredibly rich data
 - Ride Start/End time
 - Routing information
 - Morning Drop vs. Rebalance vs. User
 - Damaged, reserved, under use
- Inform future network improvements



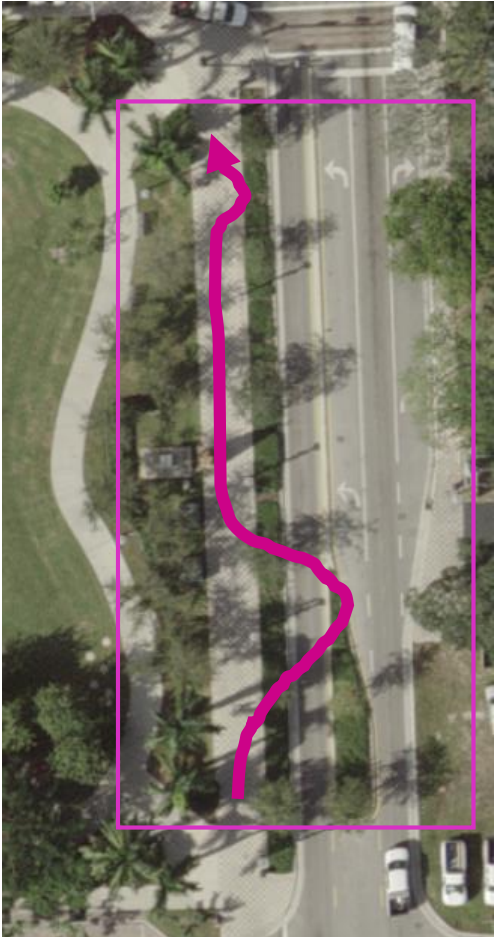
Regulatory Approach

GPS Accuracy

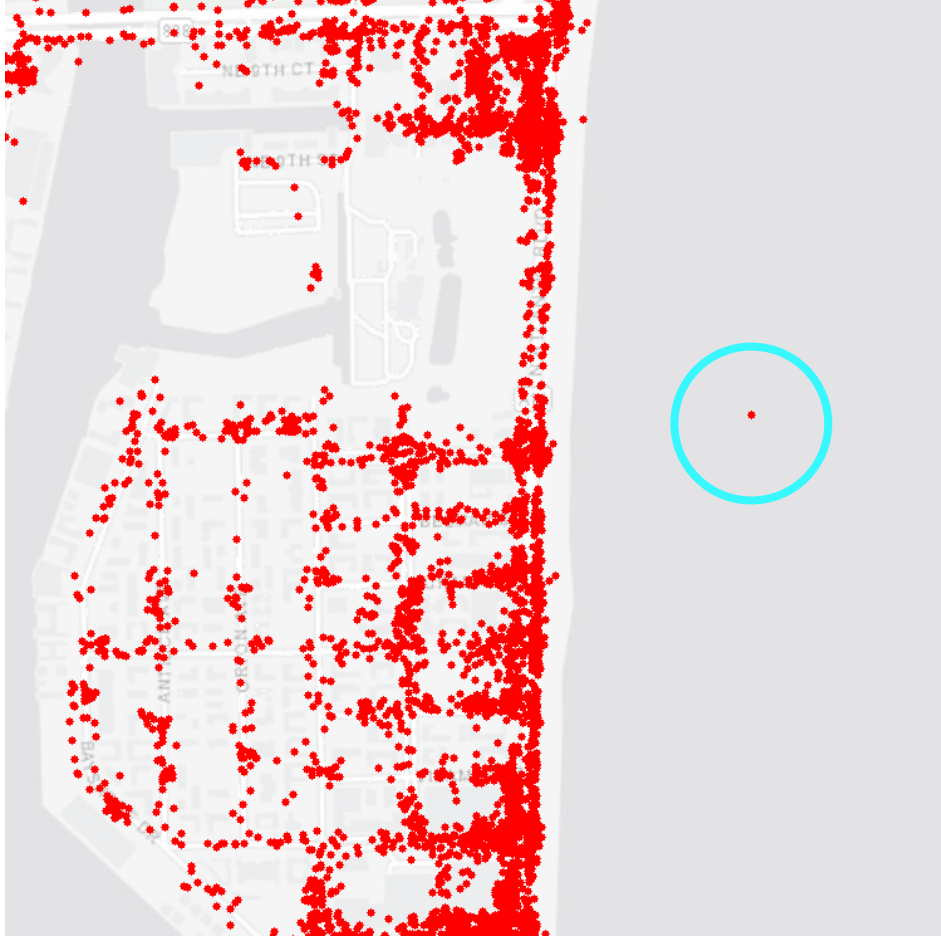
Rider Behavior



GPS Signal



Where it "lands"



Ridership, Crashes, and Surveys

Parking

- Understand perception vs. experience
- Collected by Parking Services Staff between November 21, 2018 and December 17, 2018
- 543 Entries, 1,082 Scooters with 72% on Las Olas

The Good

- 96%** parked upright
- 80%** no ped obstacle
- 98%** in good condition
- 75%** parked appropriately

Top Issues

- 25%** parked inappropriately
- Blocking 4' clear path
- Parking on private property
- Too close to fire hydrant
- Too close to street corner

Ridership, Crashes, and Surveys

Ridership- Nov '18 to April '19

 **567,861** *total rides*

 **22.52** *average ride duration (minutes)*

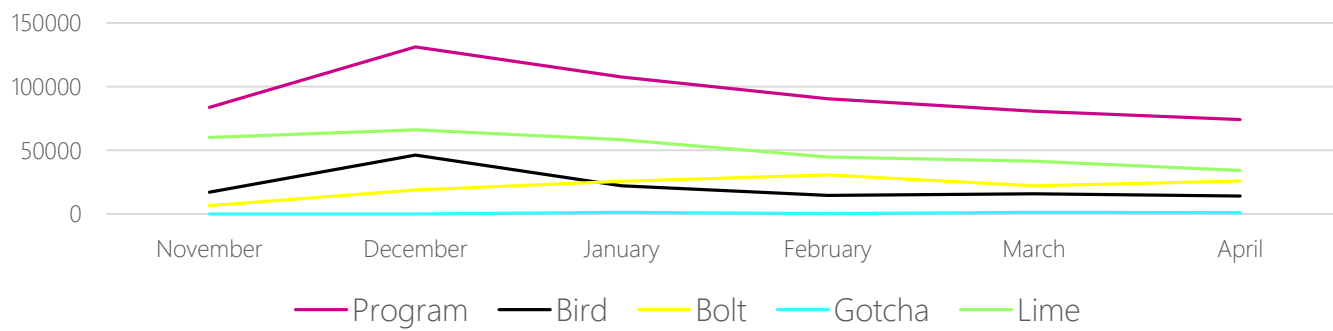
 **732,933** *total miles traveled*

 **1.5** *rides per user per day*

 **3,051** *average unique weekly riders*

 **3.63** *rides per scooter per day*

Ridership Over Time

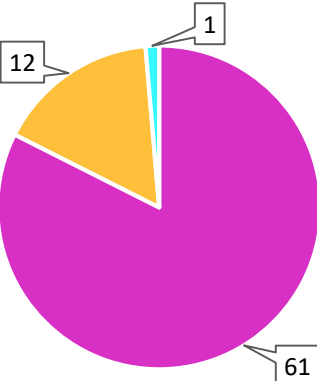


- High Impact Restrictions*
- **Spring Break** | March 1 – April 7
 - **Tortuga Music Festival** | April 7 – 16
 - **FTL Air Show** | May 4 – 5
 - **Great American Beach Party** | May 25

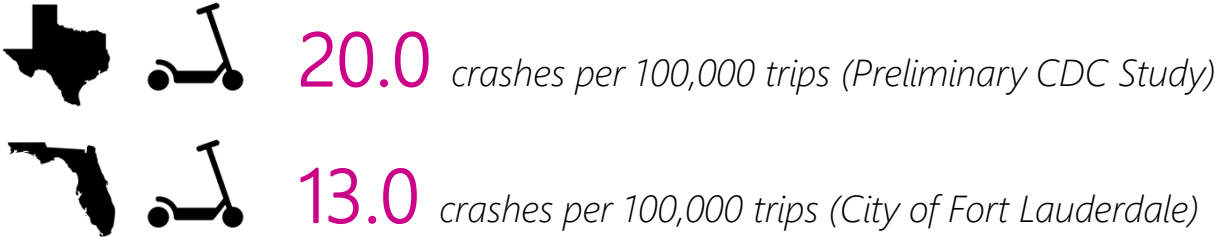
Ridership, Crashes, and Surveys

Crashes – 12/1/18-4/30/19

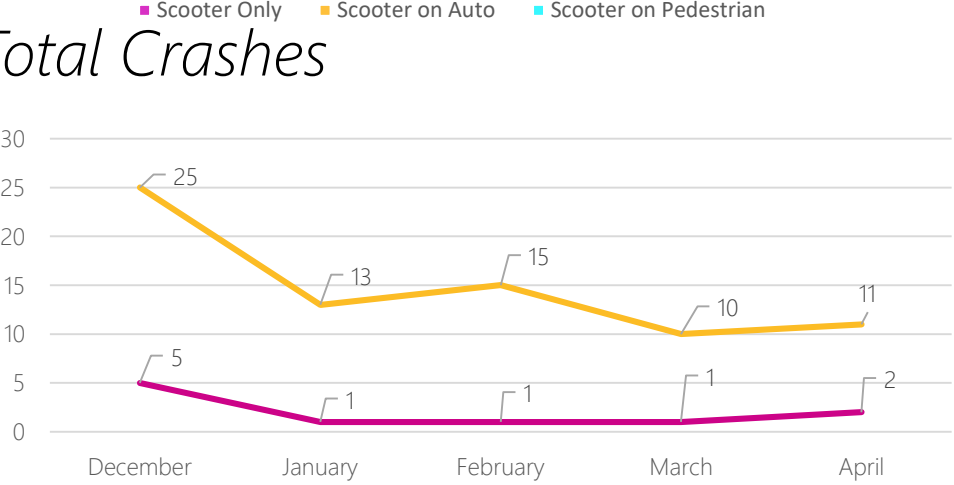
Crash Type



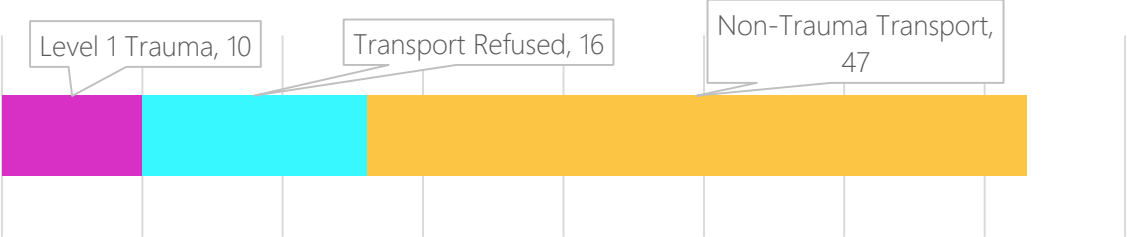
Crash Rates



Total Crashes



Crash Severity

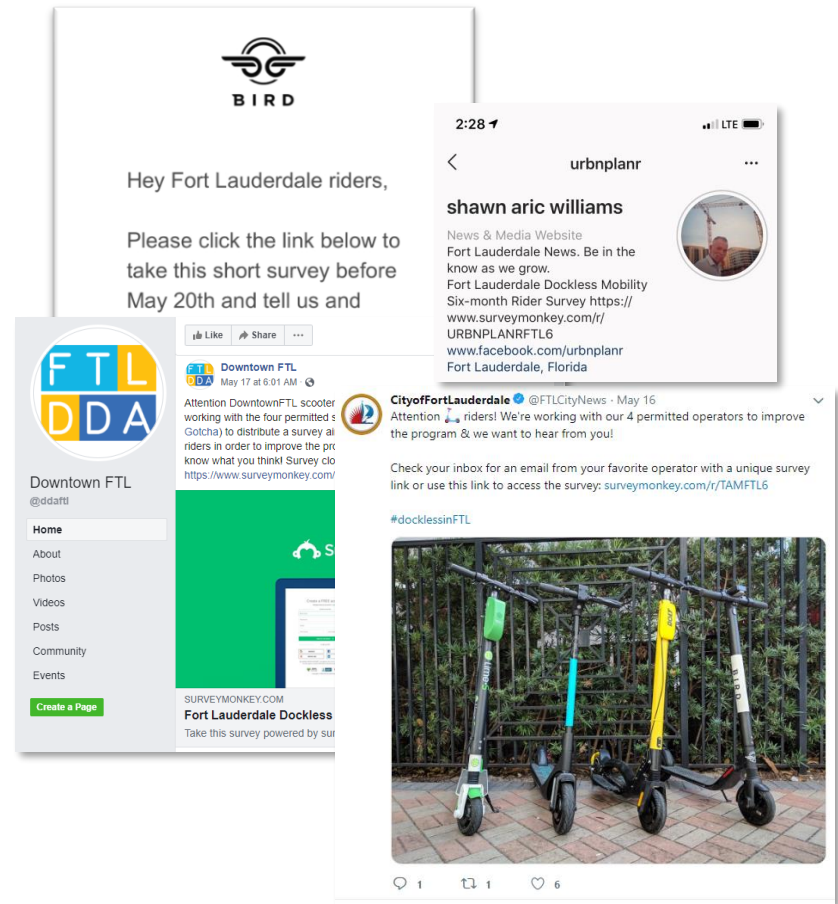


Note: Crash data collected by FLFD and only reflects EMS calls

Ridership, Crashes, and Surveys

Rider Survey

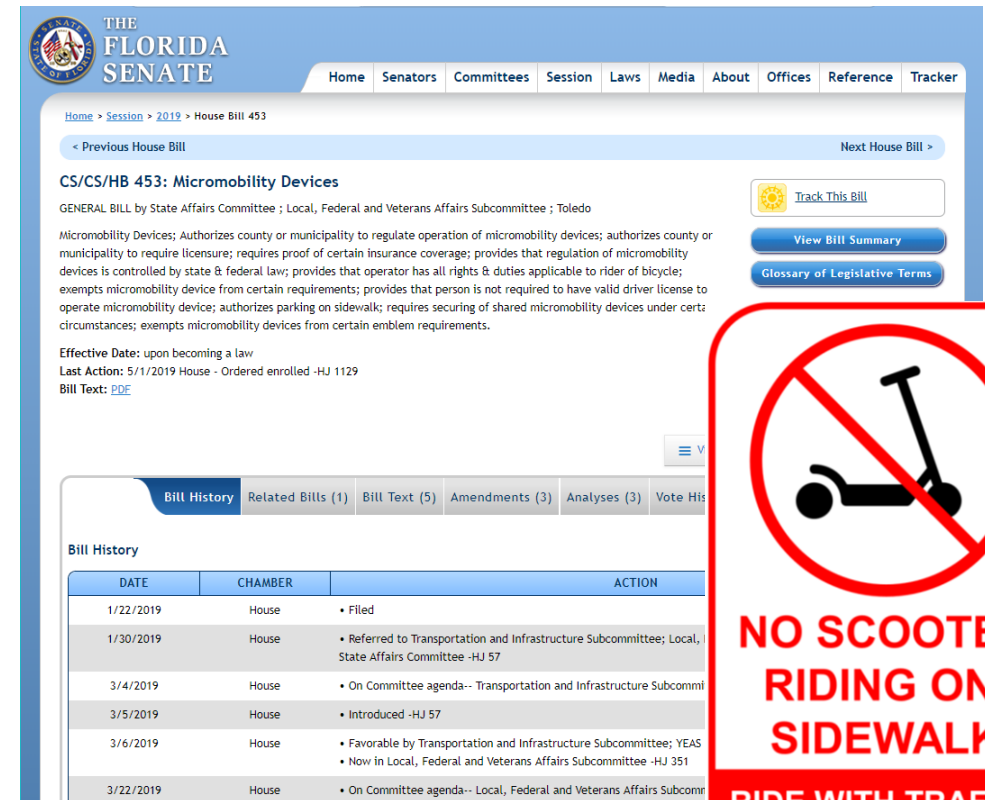
- Required by ordinance
- Nearly 800 responses
- Hot takes:
 - 60% of trips replaced a personal vehicle or TNC
 - Majority of trips are pleasure (60%)
 - 35% of riders between 25 and 34
 - 76% of riders are White, Non-Hispanic
- Full report to follow in June



Looking Toward 2020

Florida Statutes

- Current State Law
 - Prohibited from riding on streets and bike lanes
 - “Default ban,” can only be allowed on sidewalks by local ordinance
- HB453: Micromobility Devices
 - Scooters include 20 MPH cap per F.S.
 - All rights and duties of a bicyclist
 - Maintains all local control including sidewalk riding
 - No driver license required
 - Did not include age 18+ restriction



THE FLORIDA SENATE

Home Senators Committees Session Laws Media About Offices Reference Tracker

Home > Session > 2019 > House Bill 453

< Previous House Bill Next House Bill >

CS/CS/HB 453: Micromobility Devices

GENERAL BILL by State Affairs Committee ; Local, Federal and Veterans Affairs Subcommittee ; Toledo

Micromobility Devices; Authorizes county or municipality to regulate operation of micromobility devices; authorizes county or municipality to require licensure; requires proof of certain insurance coverage; provides that regulation of micromobility devices is controlled by state & federal law; provides that operator has all rights & duties applicable to rider of bicycle; exempts micromobility device from certain requirements; provides that person is not required to have valid driver license to operate micromobility device; authorizes parking on sidewalk; requires securing of shared micromobility devices under certain circumstances; exempts micromobility devices from certain emblem requirements.

Effective Date: upon becoming a law
Last Action: 5/1/2019 House - Ordered enrolled -HJ 1129
Bill Text: [PDF](#)

Track This Bill
View Bill Summary
Glossary of Legislative Terms

Bill History Related Bills (1) Bill Text (5) Amendments (3) Analyses (3) Vote His

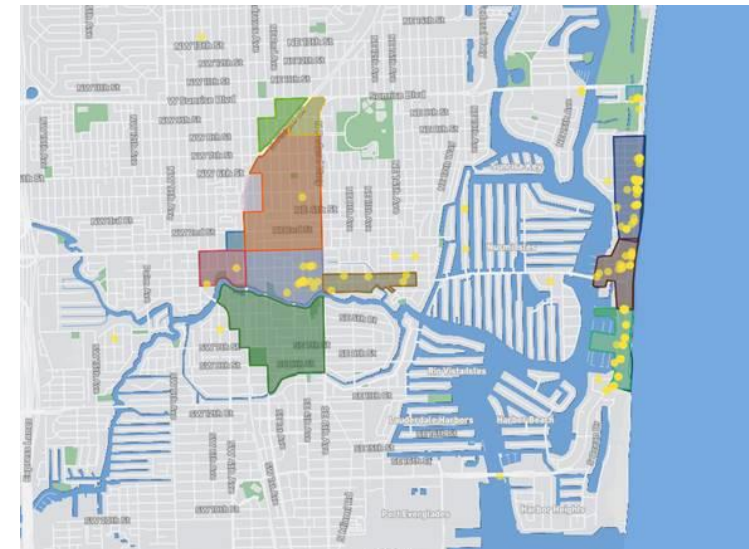
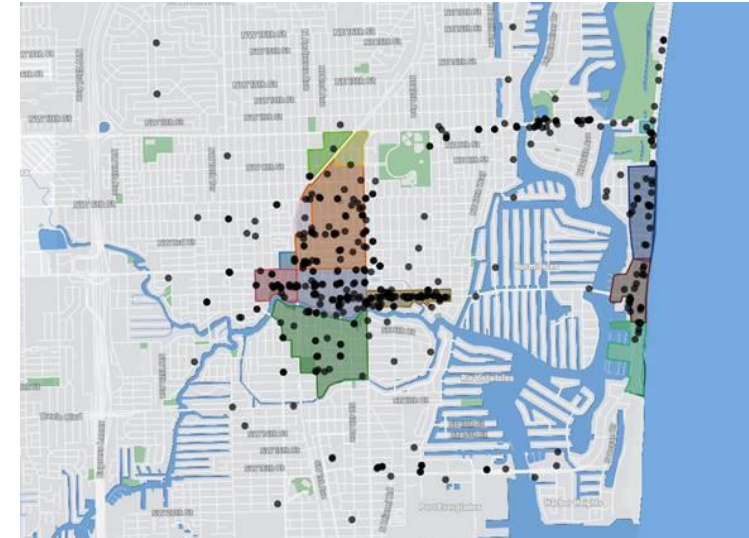
DATE	CHAMBER	ACTION
1/22/2019	House	• Filed
1/30/2019	House	• Referred to Transportation and Infrastructure Subcommittee; Local, State Affairs Committee -HJ 57
3/4/2019	House	• On Committee agenda-- Transportation and Infrastructure Subcommit
3/5/2019	House	• Introduced -HJ 57
3/6/2019	House	• Favorable by Transportation and Infrastructure Subcommittee; YEAS • Now in Local, Federal and Veterans Affairs Subcommittee -HJ 351
3/22/2019	House	• On Committee agenda-- Local, Federal and Veterans Affairs Subcom



Looking Toward 2020 ↻

Permit Changes

- Control over Sidewalk Riding
- Service Area Targets
- Social Equity Program
- Notice to Relocate timelines
- Geofencing
 - Shall/not be parked
 - Shall/not be balanced/rebalanced
 - Specialized speed limits
 - Other uses as determined by the City



Looking Toward 2020

Fee Structure

- Cost Recovery Model Fee Structure
- Oakland Model: High Utilization Fee
 - \$0.10 fee to park in high-use areas to be used for improvements in those areas

2019-20 Dockless Mobility Cost Recovery Fee Worksheet	
City Expenditure Description	
<i>Program Administration</i>	
	Covers primary planning and administrative staff support related to administration of the Dockless Mobility Permit Program. Tasks include compliance, education, outreach, and program evaluation.
<i>Enforcement</i>	
	Covers the cost of enforcement of parking regulations including staffing, storage, and equipment costs.
<i>Data Analysis</i>	
	Analysis of data provided as required by the permit to cover software, technology, and staff costs.
<i>Improvement Program</i>	
	Funds targeted to improve the experience and safety for users, including parking corrals, repair of potholes and sidewalks, and wayfinding. The primary use of these funds will be determined through a public involvement process.
<i>Public Education and Outreach Program</i>	
	Materials intended to design, purchase, and install educational and outreach materials addressing topics such as safety, parking, where to ride, how to ride, etc.

Dockless Mobility Experience

Contact Information

Robert C. Modys, Mobility Planner II

City of Fort Lauderdale, Florida

rmodys@fortlauderdale.gov | 954-828-4911

