

TOML E-Scooter Mobility Workshop



Benefits of E-Scooters

- ▶ The benefits of the E-Scooters are:
- ▶ Add another mobility option for residents;
- ▶ Assist with first and last mile connections;
- ▶ Reduce need for cars;
- ▶ Have a smaller carbon footprint;
- ▶ Reduce travel time compared to walking and effort of biking.

Ordinance Summaries from Local Cities in South Florida

City	Speed Requirements	Allowed Use	Restricted Areas	Type of Agreement	Parking	Additional Safety
Miami Beach	Speed may not exceed 8 mph on sidewalks or bike paths	Allowed on sidewalks or bicycle path except where prohibited by ordinance and must restrict max. speed to 8 mph	Motorized mobility devices are not authorized to be used at many areas with high pedestrian traffic, such as Lincoln Road Mall, Baywalk, South Pointe Park, etc.	Does not specify	Does not specify	Does not specify
Fort Lauderdale	Sets top speed of 15 mph on sidewalks	Allowed to be used on sidewalks	Does not specify	Grants operators the right to operate through permitting and license agreement	Requires that parking not impede others	Prohibits rentals of person under 16 years of age without also providing or requiring the use of a helmet and encourages the use of helmets for those over 16 years
Coral Gables	Scooters have a maximum speed of 15 mph	Allowed to be used on sidewalks	Not allowed Miracle Mile and Giralda Plaza, or where prohibited by official posting	No one can operate any shared mobility device without a city-executed memorandum. If a mobility provider places devices without MOU they are fines \$500/day each day the operator is in violation.	Requires parking not to impede with others	Does not specify
City of Miami	Ordinance does not state	Only allows motorized scooters or bikes to be used on paved roadways for cars, trucks, and buses	Does not specify	Does not specify	Scooters and bikes may be parked in grassy areas and along pedestrian walkways and may be parked any place where they will not inconvenience others	Does not specify

Safety Research- Local Impacts

- ▶ Since the City of Ft. Lauderdale's launch in November 2018, they have completed over 400,000 rides.
- ▶ As of February 2019, the City of Ft. Lauderdale Fire Rescue has documented 35 scooter related injuries- 4 of which were label extremely serious.
- ▶ The worst case documented occurred Dec. 28th, 2018, where a female rider was misinformed by the Lime app, which prompted her to ride on the road and was struck by a vehicle. Per the city ordinance it is required that e-scooters are used on city sidewalk and are banned from being used on roadways with other motorized traffic.
- ▶ E-Scooter Mobility is a new technology, information on safety is scarce and there is not much local data available yet regarding this topic.

Safety Research- U.S. Cities

- ▶ Two UCLA hospitals studied had 249 e-scooter-related emergency room visits over a 12 month period.
 - ▶ 91.6 percent of victims were scooter riders, 8.4 percent were pedestrians:
 - ▶ 10.8% of patients were under 18 years of age;
 - ▶ 4.4% were documented wearing a helmet;
 - ▶ 0.05% were perceived to be intoxicated.
 - ▶ Majority of patients documented did not wear a helmet while riding the scooter and 40% of injuries documented were head related injuries.
 - ▶ 94% of the admitted patients were discharged to go home and of the 6% that were admitted, only two patients were admitted into intensive care.
 - ▶ Same period: 195 visits for bicycle injuries and 181 for pedestrian injuries.

Safety Research- U.S. Cities

- ▶ In 2017 the City of Portland Oregon held a 4 month scooter pilot program.
- ▶ During the pilot program the city reported over 700K trips were used by 2,034 e-scooters.
- ▶ According the pilot program report, e-scooter injuries only accounted for **5%** of total traffic related crashes.
- ▶ The report found that almost 30% of Portlanders used scooters to commute.
- ▶ The report concluded that the major issue with scooters were riders illegally riding on the sidewalk and incorrect scooter parking. According to the city, the 15 mph speeds are best to be used on designated bicycle facilities and low speed roads.

Methods to Improve Scooter Safety

- ▶ Scooter users will be required to wear a helmet.
- ▶ Scooters may only go up to a maximum speed of 15 mph; we will inquire if mobility companies can adjust device speeds to 10mph
- ▶ Scooter users must have a valid driver's license or learner's permit and be at least 16 years of age.
- ▶ Scooters must be used on the sidewalks, designated bike facilities, or low speed roadways of 25 mph or less.
- ▶ Scooters will not be allowed to be used in areas with high pedestrian traffic; like Main Street or in town shopping centers.
- ▶ Scooters must have always-on front and back lights that are visible at night.
- ▶ Scooters should be equipped with fully-enclosed and tamper-proof brake cables.

Measures to Successfully Manage TOML Shared Mobility Program

- ▶ Data Requirements: Operators will provide monthly data reports to the Town. Reports at a minimum should include:
 - ▶ Number of dockless mobility devices;
 - ▶ Number of trips/month;
 - ▶ Total number of miles traveled/month;
 - ▶ Origin and Destination Maps.
- ▶ Operation and Maintenance Requirements
 - ▶ Operators should, at a minimum, rebalance and organize dockless fleet twice a week.
 - ▶ Operators should remove inoperable, damaged or misplaced dockless mobility units within 2 hours of receipt of complaint, between the hours of 7:00 am to 7:00 pm, seven days a week.
- ▶ Require MOU to operate within the Town.
- ▶ Set cap on amount of devices:
 - ▶ 150 dockless mobility device cap.
- ▶ Customer Service Requirements:
 - ▶ Customer Privacy Data;
 - ▶ Customize app interface to inform users of Town rules on use of dockless mobility devices.

Questions and Discussion