



Shared-Use Dockless Electric Vehicles

August 30, 2018



Issue

Cities across the country have experienced a quickly expanding trend of dockless, shared-use electric scooters, causing hazards to pedestrians and people with mobility issues.

That trend has resulted in new challenges for municipalities with these vehicles being operated, parked, and abandoned by users on streets, sidewalks and other public places.

Chicago, Dallas, San Diego, Los Angeles, Atlanta



What We Want to Avoid



Proposed: Shared Mobility Ordinance

Prohibits operating, parking or abandoning a shared mobility device in public right-of-way or on public property.

Shared Mobility Devices are wheeled devices that:

- Have a motor
- Are accessed via on-demand portal (smartphone app, membership card or similar)
- Are operated by a private entity that owns, manages and maintains devices for shared use by the public
- Are available through un-staffed, self-service locations



Proposed: Shared Mobility Ordinance

Does Not Cover Privately owned and operated:

- Electric Assisted Bicycles
- Motorcycles
- Electric Personal Assistive Mobility Device
- Personal Transportation Vehicles
- Mopeds
- Automobiles
- Electric Personal Transportation Vehicles



Questions



SCAD Bike Share

Find and reserve

MOBILE APPLICATION

Not near a computer? Want to reserve that last bike? You can use the Social Bicycles (SoB) mobile application for iOS or Android to find the nearest bikes, hub locations, promotions and more.

Download the app today to get started!

GET IT ON Google Play

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I AGREE

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CHAT

The screenshot shows two mobile devices displaying the SCAD Bike Share app. The iPhone screen shows a map with bike locations marked by colored pins (green, blue, orange) and a 'Rent a bike' button. The Android screen shows a list of bike share options including Baby Bike Share, Juice Bike Share, War Eagle Bike Share, and USF Share - But Bikes.

- Currently operates 150+ dockless bicycle system for students
- Bikes are used primarily as transport between classes
- They've reported good success with usage



Mobility Items



Electric Scooter (E-Scooter)

- Operates with an on board motor
- Typical top speed is 12-15 mph
- Rented on a per minute basis typically through an App



Mobility Items



Electric Assisted Bike (E-Bike)

- Maintains the same frame and shape of a typical bicycle
- Motor is attached to the bicycle usually near the gears
- Bike can be used with or without the motor
- Typical top speed is 18-25 mph



Mobility Items



Electric Personal Transportation Vehicle

- Defines various types of devices
- Typical top speed is less than 20 mph
- Can also mean low speed vehicles/golf carts
 - Operation of golf carts is currently not allowed in the city except by public safety exception



Mobility Items



Electric Personal Assistive Mobility Devices,

- Usually used for the disabled or those with limited ability to walk
- Typical top speed is less than 10 mph
- Generally legal on all right of way and in doors

