

Electric Bicycle & Micromobility Regulations

Committee Substitute for Ordinance 260508

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Transportation, Infrastructure and Operations Committee



What the Original Ordinance Did

1. Replaced outdated “electric-assisted bicycle” definition with a modern 3-class e-bike framework (Class 1/2/3)
2. Aligned City Code with Missouri statute
3. Established operating rules, labeling requirements, and Class 3 age restrictions (no riders under 16)

What's New in the Committee Substitute

1. New definitions: Electric Scooter, Electric Unicycle, Motorized Skateboard, and Micro-Mobility Device
2. New micro-mobility operating rules
3. New electric motorcycle classification

Micro-mobility Device

- *Micro-mobility device* means.. **electric scooters, electric bicycles, motorized skateboards, electric unicycles**, or any other electric powered mobility device, designed for single-person mobility .. but **shall not mean** a vehicle or device like that which is **an all-terrain vehicle, golf cart, motorized bicycle, motorized scooter, motorcycle, or electric motorcycle**, nor like coasters, roller skates or skateboards
- Shall **not** include a motorized wheelchair or power scooter or similar device intended as a mobility aid for a person with disability.

Micro-Mobility Rules

1. Devices ≤ 20 mph: treated like bicycles, same rights and duties
2. Devices > 20 mph: banned from sidewalks, bike lanes, and multi-use paths
3. No sidewalk riding above 15 mph regardless of device
4. Micro-mobility devices capable of > 20 mph may operate on roads with 25 mph speed limit

Micro-Mobility Rules

5. No riders or passengers under 16 on devices capable of >20 mph
6. No riders under 12 can operate a micro-mobility device capable of operating 20 mph
7. No operating under the influence
8. No passengers unless device is designed for them
9. No interstate highway use
10. Persons under age 18 shall wear approved helmet

Safety Mechanism to Highlight

- Subsection (d) – if someone tampers with an e-bike so it exceeds the speed of its class, it is **automatically** reclassified as an electric motorcycle, meaning full registration, licensing, and insurance requirements

The Youth Safety Problem This Addresses

- Gap in original ordinance: e-bikes were covered, but high-speed electric motorcycles/scooters were not
- Modified e-bikes that exceed Class 3 are now classified as electric motorcycles
- Electric motorcycles carry full motorcycles rights and duties, including licensing requirements
- This looks to youth on high-speed e-motors: Under 16 years are barred from >20 mph micromobility device, and anything faster than Class 3 is legally a motorcycle

Public Education Component

- Declaring intent to distribute safety education materials
- City Manager directed to coordinate with local organizations to use existing educational materials
- Distribution targets (but not limited to): schools, libraries, community centers, public facilities

Summary: The Gaps Closed

Issue	Original	Committee Substitute
E-Bikes	Covered	Same
Electric Scooters, unicycles, & skateboards	Not defined	Defined and regulated
High-speed devices (>20 mph)	Absent	Restricted from bike infrastructure
Youth on high-speed devices	Absent	Under 16 years old prohibited from devices >20mph
Youth on electric bicycles	Absent	Under 12 years old prohibited for devices operating <20mph

Summary: The Gaps Closed

Issue	Original	Committee Substitute
Modified e-bikes exceeding Class 3	Absent	Reclassified as e-motorcycles
Public education	Absent	Partnership with local orgs

Questions?

