

Model Ordinance Language for E-Mobility Devices in the Kansas City Metro Area

Revised Statutes of Missouri – Title XIX Motor Vehicles, Watercraft and Aviation – Chapters 300 and 307

Model language designed to be added into the Revised Statutes of Missouri. Original text in black. Edits or additions are in blue. Original text included for relevance if not modified.

300.010. Definitions

(11) "**Electric bicycle**", a bicycle equipped with fully operable pedals, a saddle or seat for the rider, and an electric motor of less than 750 watts that meets the requirements of one of the following three classes:

(a) "**Class 1 electric bicycle**", an electric bicycle equipped with a motor that provides assistance only when the rider is pedaling and that ceases to provide assistance when the bicycle reaches the speed of twenty miles per hour;

(b) "**Class 2 electric bicycle**", an electric bicycle equipped with a motor that may be used exclusively to propel the bicycle and that is not capable of providing assistance when the bicycle reaches the speed of twenty miles per hour; or

(c) "**Class 3 electric bicycle**", an electric bicycle equipped with a motor that provides assistance only when the rider is pedaling and that ceases to provide assistance when the bicycle reaches the speed of twenty-eight miles per hour;

(X) "**Electric-assisted scooter**", every self-propelled vehicle, other than an electric bicycle, that has at least two tandem wheels in contact with the ground, an electric motor, handlebars, a brake and a deck that is designed to be stood upon when riding;

(X) "**Electric unicycle**", a self-propelled device without handlebars which has a single wheel, an electric motor, and a deck on which a person may stand in a forward stance while riding;

(X) "**Micromobility device**", A compact electric-assisted or powered device commonly designed for one person, but not to exceed two people, including such devices as electric-assisted scooters, motorized skateboards, electric unicycles, or any other electric powered

mobility device, designed for single-person mobility, either privately-owned, or part of a shared mobility system; but shall not mean an electric bicycle, a vehicle or device like that which is an all-terrain vehicle, golf cart, motorized bicycle, or motorcycle, nor like coasters, roller skates or skateboards; and shall not include a motorized wheel chair or power scooter or similar device intended as a mobility aid for a person with disability;

(17) **"Motorcycle"**, every motor vehicle having a seat or saddle for the use of the rider and designed to travel on not more than three wheels in contact with the ground, including any such vehicle with an electric motor but without pedals for human propulsion, but excluding an electric bicycle and a tractor

(18) **"Motorized bicycle"**, any two-wheeled or three-wheeled device having an automatic transmission and a motor with a cylinder capacity of not more than fifty cubic centimeters, which produces less than three gross brake horsepower, and is capable of propelling the device at a maximum speed of not more than thirty miles per hour on level ground, but excluding an electric bicycle. "Motorized bicycle" includes any bicycle with an electric motor that does not fall within the definition of "electric bicycle";

(X) **"Motorized Skateboard"**, a self-propelled device without handlebars which has a motor or engine, a deck on which a person may stand and at least one (1) wheel in contact with the ground, on which a person may stand in a side-stance while riding, and includes, but is not limited to, devices commonly known as electric one (1) wheel boards, self-balancing skateboards, and similar devices.

307.194 Electric bicycles — rights and privileges — label, requirements — modifications require new label — product safety standards — authorized to ride, where, exceptions — class 3 electric bicycles, special provisions.

1. Except as otherwise provided in this section, every person riding an electric bicycle shall be granted all of the rights and shall be subject to all of the duties applicable to the operator of a bicycle. An electric bicycle shall be considered a vehicle to the same extent as a bicycle.

2. An electric bicycle or a person operating an electric bicycle is not subject to provisions of law that are applicable to motor vehicles, all-terrain vehicles, off-road vehicles, off-highway vehicles, motor vehicle rentals, motor vehicle dealers or franchises, or motorcycle dealers or franchises, including vehicle registration, certificates of title, drivers' licenses, and financial responsibility.

3. Beginning August 28, 2021, manufacturers and distributors of electric bicycles shall apply a permanent label to each electric bicycle. The label, which shall be affixed to the electric bicycle in a prominent location, shall contain the classification number, top assisted speed, and motor wattage of the electric bicycle. The text on the label shall be Arial font and in at least nine-point type.

4. No person shall tamper with or modify an electric bicycle so as to change the motor-powered speed capability or engagement of an electric bicycle unless he or she replaces the label required under subsection 3 of this section with a new label indicating the new classification. [An electric bicycle modified such that it does not meet the requirements of any of the three classes of electric bicycle shall be considered a motorized bicycle.](#)

5. An electric bicycle shall comply with the equipment and manufacturing requirements for bicycles adopted by the United States Consumer Product Safety Commission, 16 CFR 1512.

6. An electric bicycle shall operate in a manner so that the electric motor is disengaged or ceases to function when the rider stops pedaling or when the brakes are applied.

7. An electric bicycle may be ridden where bicycles are permitted to travel, subject to the following provisions:

(1) An electric bicycle may be ridden on bicycle or multi-use paths where bicycles are permitted;

(2) Following notice and a public hearing, a municipality, local authority, or state agency having jurisdiction over a bicycle or multi-use path may prohibit the operation of a class 1 electric bicycle or class 2 electric bicycle on that path if it finds that such a restriction is needed for safety reasons or compliance with other laws or legal obligations;

(3) A municipality, local authority, or state agency having jurisdiction over a bicycle or multi-use path may prohibit the operation of a class 3 electric bicycle on that path; and

(4) The provisions of this subsection shall not apply to a trail that is specifically designated as nonmotorized and that has a natural surface tread that is made by clearing and grading the native soil with no added surfacing materials. A local authority or agency of the state having jurisdiction over a trail described in this subsection may regulate the use of an electric bicycle on that trail.

8. The use of class 3 electric bicycles shall be subject to the following provisions:

(1) No person under sixteen years of age shall operate a class 3 electric bicycle. A person under sixteen years of age may ride as a passenger on a class 3 electric bicycle that is designed to accommodate passengers; and

(2) All class 3 electric bicycles shall be equipped with a speedometer that is capable of displaying the speed an electric bicycle is traveling in miles per hour.

9. All persons under the age of eighteen (18) who operate or ride upon an electric bicycle shall wear an appropriate bicycle helmet that is properly fitted and is fastened securely by a neck or chin strap while the electric bicycle is in motion.

10. Where riding on sidewalks is permissible, an electric bicycle shall not be ridden on the sidewalk at a speed of greater than 15 miles per hour.

11. The operator of an electric bicycle shall yield the right-of-way to, and exercise due consideration for, any pedestrian on a sidewalk or on a marked or unmarked crosswalk. The operator of an electric bicycle shall yield to, and exercise due consideration for, users of bicycle lanes, multi-use paths or trails that are moving slower than the operator of the electric bicycle.

12. (1) The parent of any child and the guardian of any ward shall not authorize or knowingly permit any such child or ward to violate any of the provisions of this section.

(2) Violations of this section may result in a warning or citation. Citations incurred through violations of this section by persons under the age of eighteen (18) may be charged to the respective parents or guardians.

307.XXX.* Micromobility Devices – rights and privileges – authorized to ride, where – age restrictions

1. Except as otherwise provided in this section, every person operating a micromobility device shall be granted all of the rights and shall be subject to all of the duties applicable to the operator of a bicycle, except those that by their nature can have no application.

2. (1) Micromobility devices shall not be operated on bicycle lanes, multi-use paths, or trails at a speed of greater than 20 miles per hour.

(2) Where riding on sidewalks is permissible, micromobility devices shall not be operated on sidewalks at a speed of greater than 15 miles per hour.

4. No person under 16 years of age may operate, or ride as a passenger on, a micromobility device capable of exceeding 20 miles per hour on a level surface on motor power alone.

5. It shall be unlawful for any person to operate a micromobility device with a passenger, unless the device is specifically designed to carry a passenger.

6. It shall be unlawful for any person to operate micromobility devices on any interstate highway.

7. All persons under the age of eighteen (18) who operate or ride upon a micromobility device shall wear an approved bicycle helmet that is properly fitted and is fastened securely by a neck or chin strap while the micromobility device is in motion.

8. The operator of a micromobility device shall yield the right-of-way to, and exercise due consideration for, any pedestrian on a sidewalk or on a marked or unmarked crosswalk. The operator of a micromobility device shall yield to, and exercise due consideration for, users of bicycle lanes, multi-use paths or trails that are moving slower than the operator of the micromobility device.

9. (1) The parent of any child and the guardian of any ward shall not authorize or knowingly permit any such child or ward to violate any of the provisions of this section.

(2) Violations of this section may result in a warning or citation. Citations incurred through violations of this section by persons under the age of eighteen (18) may be charged to the respective parents or guardians.

*Not a section currently in Missouri law. Section numbering would be determined when ordinances or statutes are passed.