

2024 -- S 2829

LC005598

STATE OF RHODE ISLAND

IN GENERAL ASSEMBLY

JANUARY SESSION, A.D. 2024

A N A C T

RELATING TO MOTOR AND OTHER VEHICLES -- ELECTRIC BICYCLES

Introduced By: Senator Dawn M. Euer

Date Introduced: March 22, 2024

Referred To: Senate Judiciary

(Dept. of Environmental Management)

It is enacted by the General Assembly as follows:

1 SECTION 1. Title 31 of the General Laws entitled "MOTOR AND OTHER VEHICLES"  
2 is hereby amended by adding thereto the following chapter:

3 CHAPTER 19.7

4 ELECTRIC BICYCLES

5 **31-19.7-1. Classes.**

6 There shall be three (3) classes of electric bicycles:

7 (1) Class 1: Bicycle equipped with an electric motor that provides assistance only when the  
8 rider is pedaling, and that ceases to provide assistance when the electric bicycle reaches twenty  
9 miles per hour (20 mph).

10 (2) Class 2: Bicycle equipped with a throttle-actuated electric motor that ceases to provide  
11 assistance when the electric bicycle reaches twenty miles per hour (20 mph).

12 (3) Class 3: Bicycle equipped with an electric motor that provides assistance only when the  
13 rider is pedaling, and that ceases to provide assistance when the electric bicycle reaches twenty-  
14 eight miles per hour (28 mph).

15 **31-19.7-2. Use of electric bicycles at state properties.**

16 The department of environmental management may, by regulation, determine allowable  
17 uses of electric bicycles at properties under the department's jurisdiction; provided, however, that  
18 Class 1 electric bicycles shall be allowable on state bicycle trails or paths as defined by § 31-1-23.

19 SECTION 2. Sections 31-1-3 and 31-1-23 of the General Laws in Chapter 31-1 entitled

1 "Definitions and General Code Provisions" are hereby amended to read as follows:

2 **31-1-3. Types of vehicles. [Effective July 1, 2024.]**

3 (a)(1) "Antique motor car" means any motor vehicle that is more than twenty-five (25)  
4 years old. Unless fully inspected and meeting inspection requirements, the vehicle may be  
5 maintained solely for use in exhibitions, club activities, parades, and other functions of public  
6 interest. The vehicle may also be used for limited enjoyment and purposes other than the previously  
7 mentioned activities, but may not be used primarily for the transportation of passengers or goods  
8 over any public highway.

9 (2) After the vehicle has met the requirements of state inspection, a registration plate may  
10 be issued to it on payment of the standard fee. The vehicle may be operated on the highways of this  
11 and other states, and may, in addition to the registration plate, retain the designation "antique" and  
12 display an "antique plate."

13 (3) For any vehicle that is more than twenty-five (25) years old, the division of motor  
14 vehicles may also issue or approve, subject to rules and regulations that may be promulgated by  
15 the administrator, a "year of manufacture plate" for the vehicle that is an exact replica plate  
16 designating the exact year of manufacture of the vehicle. The year of manufacture plate, as  
17 authorized by this subsection, need only be attached to the rear of the vehicle.

18 (b)(1) "Antique motorcycle" means any motorcycle that is more than twenty-five (25)  
19 years old. Unless fully inspected and meeting inspection requirements, the vehicle shall be  
20 maintained solely for use in exhibitions, club activities, parades, and other functions of public  
21 interest. The vehicle may also be used for limited enjoyment and purposes other than the previously  
22 mentioned activities, but may not be used primarily for the transportation of passengers or goods  
23 over any public highway; and

24 (2) After the vehicle has met the requirements of state inspection, a registration plate may  
25 be issued to it, on payment of the standard fee, and the vehicle may be operated on the highways  
26 of this and other states, and may, in addition to the registration plate, retain the designation  
27 "antique" and display an "antique plate."

28 (c) "Authorized emergency vehicle" means vehicles of the fire department (fire patrol);  
29 police vehicles; vehicles of the department of corrections while in the performance of official  
30 duties; vehicles used by the state bomb squad within the office of state fire marshal; vehicles of  
31 municipal departments or public service corporations designated or authorized by the administrator  
32 as ambulances and emergency vehicles; and privately owned motor vehicles of volunteer  
33 firefighters or privately owned motor vehicles of volunteer ambulance drivers or attendants, as  
34 authorized by the department chief or commander and permitted by the Rhode Island Association

1 of Fire Chiefs and Rhode Island Association of Police Chiefs Joint Committee for Volunteer  
2 Warning Light Permits.

3 (d) "Automobile" means, for registration purposes, every motor vehicle carrying  
4 passengers other than for hire.

5 (e) "Bicycle" means every vehicle having two (2) tandem wheels, except scooters and  
6 similar devices, propelled exclusively by human power, and upon which a person may ride.

7 (f) "Camping recreational vehicle" means a vehicular type camping unit, certified by the  
8 manufacturer as complying with ANSI A119.2 Standards, designed primarily as temporary living  
9 quarters for recreation that has either its own motor power or is mounted on, or towed by, another  
10 vehicle. The basic units are tent trailers, fifth-wheel trailers, motorized campers, travel trailers, and  
11 pick-up campers.

12 (g) "Electric motorized bicycle" ~~means a motorized bicycle, also called an "electric~~  
13 ~~bicycle", as defined in § 31-19.7-1, means a two-wheel (2) vehicle~~ that may be propelled by human  
14 power or electric motor power, or by both, with an electric motor rated not more than two (2)  
15 (S.A.E.) horsepower, that is capable of a maximum speed of not more than ~~twenty-five~~ twenty-  
16 eight miles per hour (~~25~~ 28 m.p.h.).

17 (h) "Electric personal assistive mobility device" ("EPAMD") is a self-balancing, non-  
18 tandem two-wheeled (2) device, designed to transport only one person, with an electric propulsion  
19 system that limits the maximum speed of the device to fifteen miles per hour (15 m.p.h.).

20 (i) "Fifth-wheel trailer": A towable recreational vehicle, not exceeding four hundred (400)  
21 square feet in area, designed to be towed by a motorized vehicle that contains a towing mechanism  
22 that is mounted above or forward of the tow vehicle's rear axle and that is eligible to be registered  
23 for highway use.

24 (j) "Hearse" means every motor vehicle used for transporting human corpses. A hearse  
25 shall be considered an automobile for registration purposes.

26 (k) "Jitney or bus" means: (1) A "public bus" that includes every motor vehicle, trailer,  
27 semi-trailer, tractor trailer, or tractor trailer combination, used for the transportation of passengers  
28 for hire, and operated wholly or in part upon any street or highway as a means of transportation  
29 similar to that afforded by a street railway company, by indiscriminately receiving or discharging  
30 passengers, or running on a regular route or over any portion of one, or between fixed termini; or  
31 (2) A "private bus" that includes every motor vehicle other than a public bus or passenger van  
32 designed for carrying more than ten (10) passengers and used for the transportation of persons, and  
33 every motor vehicle other than a taxicab designed and used for the transportation of persons for  
34 compensation.

1 (l) "Low-speed motor vehicle" or "low-speed vehicle" means a motor vehicle defined in  
2 49 C.F.R. § 571.3 as a vehicle that is four (4) wheeled, whose speed attainable in one mile is more  
3 than twenty miles per hour (20 m.p.h.) and not more than twenty-five miles per hour (25 m.p.h.)  
4 on a paved level surface, is electric, and whose gross vehicle weight rating is less than three  
5 thousand pounds (3,000 lbs.). All low-speed motor vehicles shall comply with the standards  
6 established in 49 C.F.R. § 571.500, as amended, and pursuant thereto, shall be equipped with  
7 headlamps, front and rear turn signal lamps, tail lamps, stop lamps, an exterior mirror mounted on  
8 the driver's side of the vehicle and either an exterior mirror mounted on the passenger's side of the  
9 vehicle or an interior mirror, a parking brake, a windshield that conforms to the federal standards  
10 on glazing materials, a vehicle identification number that conforms to the requirements of 49 C.F.R.  
11 pt. 565 for such numbers, a Type 1 or Type 2 seat belt assembly conforming to 49 C.F.R. § 571.209,  
12 installed at each designated seating position, and reflex reflectors; provided, that one reflector is  
13 red on each side as far to the rear as practicable and one reflector is red on the rear. A low-speed  
14 motor vehicle that meets the requirements of 49 C.F.R. § 571.500, as amended, and is equipped as  
15 herein provided, may be registered in this state, subject to inspection and insurance requirements.

16 (m) "Motorcycle" means only those motor vehicles having not more than three (3) wheels  
17 in contact with the ground and a saddle on which the driver sits astride, except bicycles with helper  
18 motors as defined in subsection (o) of this section.

19 (n) "Motor-driven cycle" means every motorcycle, including every motor scooter, with a  
20 motor of no greater than five (5) horsepower, except bicycles with helper motors as defined in  
21 subsection (o) of this section.

22 (o) "Motorized bicycles" means two-wheel (2) vehicles that may be propelled by human  
23 power or helper power, or by both, with a motor rated not more than four and nine-tenths (4.9)  
24 horsepower and not greater than fifty (50) cubic centimeters, that are capable of a maximum speed  
25 of not more than thirty miles per hour (30 m.p.h.).

26 (p) "Motorized camper": A camping recreational vehicle, built on, or permanently attached  
27 to, a self-propelled motor vehicle chassis cab or van that is an integral part of the completed vehicle.

28 (q) "Motorized tricycles" means tricycles that may be propelled by human power or helper  
29 motor, or by both, with a motor rated no more than 1.5 brake horsepower that is capable of a  
30 maximum speed of not more than thirty miles per hour (30 m.p.h.).

31 (r) "Motorized wheelchair" means any self-propelled vehicle, designed for, and used by, a  
32 person with a disability that is incapable of speed in excess of eight miles per hour (8 m.p.h.).

33 (s) "Motor scooter" means a motor-driven cycle with a motor rated not more than four and  
34 nine-tenths (4.9) horsepower and not greater than fifty (50) cubic centimeters that is capable of a

1 maximum speed of not more than thirty miles per hour (30 m.p.h.).

2 (t) “Motor vehicle” means every vehicle that is self-propelled or propelled by electric  
3 power obtained from overhead trolley wires, but not operated upon rails, except vehicles moved  
4 exclusively by human power, an EPAMD and electric motorized bicycles as defined in subsection  
5 (g) of this section, and motorized wheelchairs.

6 (u) “Motor vehicle for hire” means every motor vehicle other than jitneys, public buses,  
7 hearses, and motor vehicles used chiefly in connection with the conduct of funerals, to transport  
8 persons for compensation in any form, or motor vehicles rented for transporting persons either with  
9 or without furnishing an operator.

10 (v) “Natural gas vehicle” means a vehicle operated by an engine fueled primarily by natural  
11 gas.

12 (w) “Park trailer”: A camping recreational vehicle that is eligible to be registered for  
13 highway use and meets the following criteria: (1) Built on a single chassis mounted on wheels; and  
14 (2) Certified by the manufacturer as complying with ANSI A119.5.

15 (x) “Passenger van” means every motor vehicle capable of carrying ten (10) to fourteen  
16 (14) passengers plus an operator and used for personal use or on a not-for-hire basis. Passenger  
17 vans may be used for vanpools, transporting passengers to and from work locations, provided that  
18 the operator receives no remuneration other than free use of the vehicle.

19 (y) “Pedal carriage” (also known as “quadricycles”) means a nonmotorized bicycle with  
20 four (4) or more wheels operated by one or more persons for the purpose of, or capable of,  
21 transporting additional passengers in seats or on a platform made a part of or otherwise attached to  
22 the pedal carriage. The term shall not include a bicycle with trainer or beginner wheels affixed to  
23 it, nor shall it include a wheelchair or other vehicle with the purpose of operation by or for the  
24 transportation of a person with a disability, nor shall it include a tricycle built for a child or an adult  
25 with a seat for only one operator and no passenger.

26 (z) “Pick-up camper”: A camping recreational vehicle consisting of a roof, floor, and sides  
27 designed to be loaded onto and unloaded from the back of a pick-up truck.

28 (aa) “Rickshaw” (also known as “pedi cab”) means a nonmotorized bicycle with three (3)  
29 wheels operated by one person for the purpose of, or capable of, transporting additional passengers  
30 in seats or on a platform made a part of, or otherwise attached to, the rickshaw. This definition shall  
31 not include a bicycle built for two (2) where the operators are seated one behind the other, nor shall  
32 it include the operation of a bicycle with trainer or beginner wheels affixed thereto, nor shall it  
33 include a wheelchair or other vehicle with the purpose of operation by or for the transportation of  
34 a person with a disability.

1 (bb) "School bus" means every motor vehicle owned by a public or governmental agency,  
2 when operated for the transportation of children to or from school; or privately owned, when  
3 operated for compensation for the transportation of children to or from school.

4 (cc) "Suburban vehicle" means every motor vehicle with a convertible or interchangeable  
5 body or with removable seats, usable for both passenger and delivery purposes, and including motor  
6 vehicles commonly known as station or depot wagons or any vehicle into which access can be  
7 gained through the rear by means of a hatch or trunk and where the rear seats can be folded down  
8 to permit the carrying of articles as well as passengers.

9 (dd) "Tent trailer": A towable recreational vehicle that is mounted on wheels and  
10 constructed with collapsible partial side walls that fold for towing by another vehicle and unfold  
11 for use and that is eligible to be registered for highway use.

12 (ee) "Trackless trolley coach" means every motor vehicle that is propelled by electric  
13 power obtained from overhead trolley wires, but not operated on rails.

14 (ff) "Travel trailer": A towable recreational vehicle, not exceeding three hundred twenty  
15 square feet (320 sq. ft.) in area, designed to be towed by a motorized vehicle containing a towing  
16 mechanism that is mounted behind the tow vehicle's bumper and that is eligible to be registered  
17 for highway use.

18 (gg) "Vehicle" means every device in, upon, or by which any person or property is or may  
19 be transported or drawn upon a highway, except devices used exclusively upon stationary rails or  
20 tracks.

21 **31-1-23. Types of roads.**

22 (a) "Bicycle lane" means a portion of highway right-of-way designated by the state and  
23 identified by official traffic control devices (pavement markings) for the exclusive use of bicyclists.  
24 The operation and parking of motor vehicles is prohibited within the lane identified for exclusive  
25 use by bicyclists, except when making a turn, entering or leaving the roadway or a parking lane, or  
26 when required in the course of official duty.

27 (b) "Bicycle route" means a shared right-of-way along a highway, designated by the state  
28 and identified by official traffic control devices (signs) for use by bicyclists.

29 (c) "Bicycle trail or path" means a bikeway physically separated from motorized vehicular  
30 traffic by an open space or barrier and either within the highway right-of-way or within an  
31 independent right-of-way. Bicycle trails or paths may also be used by pedestrians, skaters, [riders](#)  
32 [of Class 1 electric bicycles as defined in § 31-19.7-1](#), wheelchair users, joggers and other  
33 nonmotorized users.

34 (d) "Laned roadway" means a roadway which is divided into two (2) or more clearly

1 marked lanes for vehicular traffic.

2 (e) "Limited access highway" means every highway, street, or roadway to or from which  
3 owners or occupants of abutting lands and other persons have no legal right of access except at  
4 those points and in that manner determined by the public authority having jurisdiction over it.

5 (f) "Local highway" means every street or highway other than a state highway, private  
6 road, or driveway.

7 (g) "Private road or driveway" means every way or place in private ownership that is used  
8 for vehicular travel only by the owner and by those others having express or implied permission  
9 from the owner.

10 (h) "Roadway" means that portion of a highway improved, designed, or ordinarily used for  
11 vehicular travel, excluding the sidewalk, berm, or shoulder even when used by persons riding  
12 bicycles. In the event a highway includes two (2) or more separate roadways, "roadway" refers to  
13 the roadway separately and not the roadways collectively.

14 (i) "Sidewalk" means that portion of a street between the curb lines, or the lateral lines of  
15 a roadway, and the adjacent property lines intended for the use of pedestrians.

16 (j) "State highway" means every street or highway constructed and/or maintained by the  
17 director of public works and the division of roads and bridges.

18 (k) "Street or highway" means the entire width between boundary lines of every way when  
19 any part of it is open to the use of the public for purposes of vehicular traffic.

20 (l) "Through highway" means every highway or portion of a highway having entrances  
21 from intersecting highways at which vehicular traffic is required by law to stop before entering or  
22 crossing, and where stop signs are erected under the provisions of chapters 1 — 27 of this title.

23 SECTION 3. Section 31-19-2.1 of the General Laws in Chapter 31-19 entitled "Operation  
24 of Bicycles" is hereby amended to read as follows:

25 **31-19-2.1. Helmets required on bicycle operators, bicycle passengers, skateboarders,**  
26 **rollerskaters, inline skaters, and scooter riders ages fifteen (15) and younger.**

27 Any person fifteen (15) years of age or younger who is operating or who is a passenger on  
28 a bicycle [or an electric motorized bicycle](#) or who is using or operating a skateboard, rollerskates,  
29 scooter or inline skates on a public highway, bicycle trail or path, shared use path, park and/or  
30 recreational area, school property or on any other public right of way shall wear a helmet. The  
31 helmet shall fit the person's head and shall be secured to the person's head by straps while the  
32 person is operating the bicycle, skateboard, scooter, rollerskates or inline skates. The helmet shall  
33 meet the standards for helmets established by the United States Consumer Product Safety  
34 Commission (CPSC) or subsequent standards. In no event shall failure to wear a helmet be

1 considered as contributory or comparative negligence, nor shall the failure to wear a helmet be  
2 admissible as evidence in the trial of any civil action.

3 SECTION 4. This act shall take effect on July 1, 2024.

=====  
LC005598  
=====



EXPLANATION  
BY THE LEGISLATIVE COUNCIL  
OF

A N A C T

RELATING TO MOTOR AND OTHER VEHICLES -- ELECTRIC BICYCLES

\*\*\*

1           This act would define three (3) classes of electric bicycles, authorize the department of  
2 environmental management to determine allowable uses of electric bicycles at properties under the  
3 department's jurisdiction, and allow Class 1 electric bicycles to legally access state bicycle trails  
4 or paths.

5           This act would take effect on July 1, 2024

=====  
LC005598  
=====