

NEW JERSEY MICROMOBILITY GUIDE



May 2025



RUTGERS-NEW BRUNSWICK
Edward J. Bloustein School
of Planning and Public Policy
Alan M. Voorhees Transportation Center

NJ Bicycle and Pedestrian Advisory Council (NJ BPAC) Meeting

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Presented By:

- Greg Woltman, AICP
- Sam Rosenthal, AICP

Presenters



Sam Rosenthal, AICP

Research Project Coordinator

samuel.rosenthal@ejb.rutgers.edu



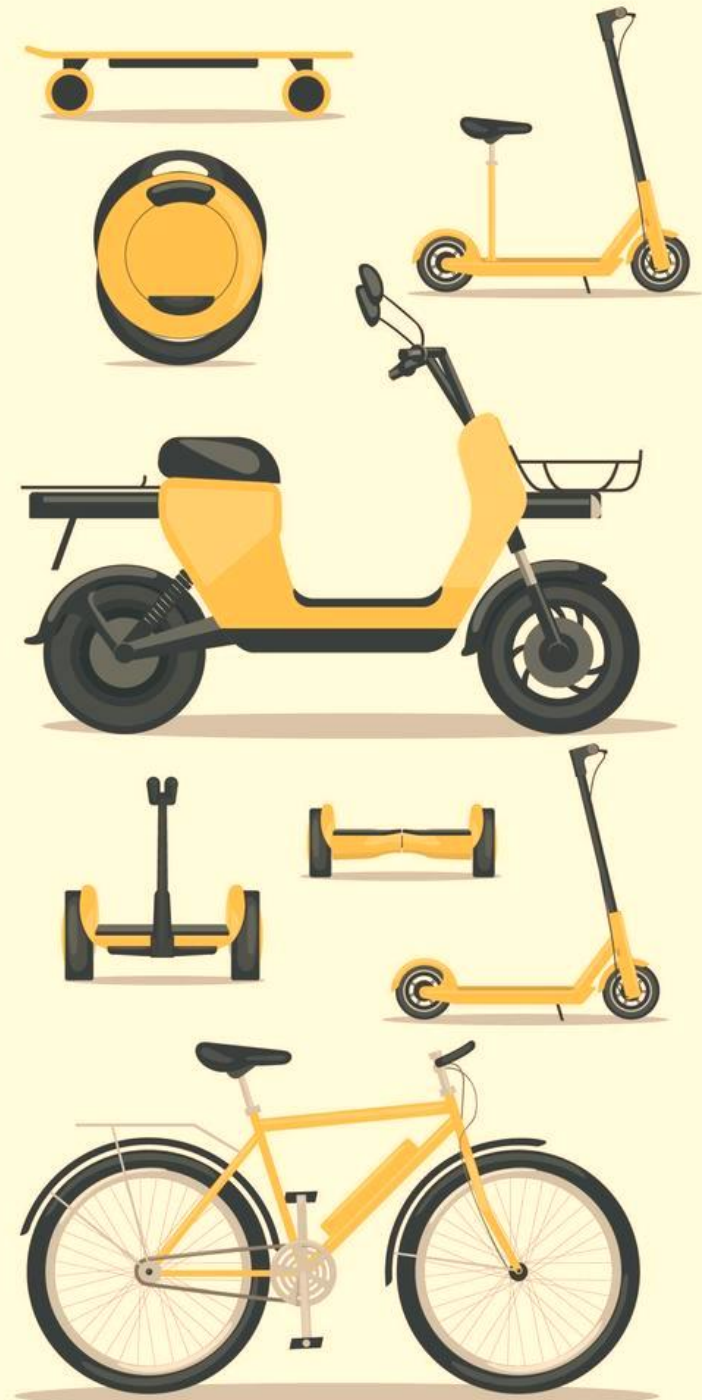
Greg Woltman, AICP

Research Project Coordinator

gregory.woltman@ejb.rutgers.edu

What is micromobility?

A range of compact, electric- and human-powered devices designed for short-distance travel, including traditional bicycles, e-bikes, e-scooters, and other low-speed wheeled devices.



Why this guide?

Micromobility is growing in popularity

NJ communities are expanding active transportation infrastructure

Micromobility regulations are still not common knowledge

Why now?

New laws have been passed in New Jersey

2019 Low-Speed
E-bikes and E-
scooters Law

2022 Safe
Passing Law

Who is this guide for?

Individuals with
limited mobility

Delivery
workers

Young people

Older adults

Eco-conscious
residents

Planners &
policymakers

Drivers

Everyone on NJ
roads

11 device types in New Jersey



Bicycle



Class 1 E-bike



Class 2 E-bike



Class 3 E-bike/Moped



Low-Speed E-scooter



Motorized Scooter



Motorcycle



Hoverboards & Segways



Skateboards & Roller Skates



Low-Speed Vehicle



Autocycle

LOW SPEED E-SCOOTER

Under New Jersey law (N.J. Stat. § 39:1-1), a “low-speed electric scooter” is a scooter with a floorboard that can be stood upon by the operator, with handlebars, and an electric motor that is capable of propelling the device with or without human propulsion at a maximum speed of less than 19 miles per hour.

A local government can restrict where low-speed electric scooters may be ridden.

Low-speed electric scooters are considered motor vehicles, and users of these devices have the same rights and responsibilities as operators of other motor vehicles.



					When is it allowed on transit?			
Characteristics	Power Source	Propulsion Method	Max. Assisted Speed		NJ TRANSIT	Type of Transit	Folding	Non-Folding
	Electric	Kickstart & Throttle	19 mph			Atlantic City Rail Line	All times	All times
Requirements	Minimum Age	Helmet	License	Registration		Northeast Corridor, North Jersey Coast Line, Morris & Essex Lines	All times	Off-peak times** Not permitted on holidays
	None	Required under 17 years old	Not required	Not required		Raritan Valley, Montclair-Boonton, Gladstone, Main, Bergen County, Pascack Valley, Port Jervis Lines	All times	Weekdays off-peak** Weekends all times Not permitted on holidays
Where is it allowed?	Paved Bikeways, Shared-Use Paths, & Surfaced Trails		Public Streets	Parking on Sidewalk		NJT Bus	All times	If a front rack or underfloor storage space is available
	Yes*		Yes	Yes, if not blocking pedestrian access		Hudson Bergen Light Rail & Newark Light Rail	All times	Weekdays off-peak** Weekends all times
					River Line	All times	All times	
					OTHER TRANSIT SERVICES	PATH Trains	No	No
						PATCO Trains	Nothing mentioned in guidelines	
						Amtrak	All times, as a carry on	Requires a reservation (\$20 fee, limited number per train)**
						Private Commuter Buses, Shuttles, and Jitneys	Varies**	Varies**
					NY Waterways	All times	All times	
					Updated March 2025.			

*E-scooters are not permitted on trails designated for non-motorized vehicles with natural surface, such as wood chips or bare earth, unless permitted by the trail's owner.

**Check the transit operator's website for specific information.

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E-bikes

Class 1 e-bike



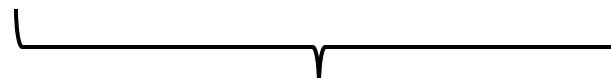
Class 2 e-bike




Class 3 e-bike



Maximum Assisted Speed	20 mph	20 mph	20 mph – 28 mph
Motor	Electric, pedal assist only	Electric, throttle can be used exclusively	Gas (Up To 150cc.) or electric
Age Minimum	None	None	15 years
License/Registration Required	No	No	Yes
Helmets Required	Under age 17	Under age 17	Yes
Allowed In Bike Lanes	Yes	Yes	Yes


 Low Speed Electric Bike


 Motorized Bicycle

Safety Best Practices

General Safety
Tips

Speed Limiters

Shared
Micromobility
Services

Preventing
Lithium-Ion
Battery Fires

Riding on
Trails and Off-
Road Facilities

Securing and
Parking
Devices

Traveling with
Micromobility
on Transit



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General Safety Tips

Follow the
law

Be
predictable

Be visible

Think
ahead

Ride ready



Speed Limiters

Removing speed limiters from e-devices:

Is illegal

Voids the
warranty

Degrades
performance

Can pose a
safety risk

Preventing Lithium-Ion Battery Fires

Primary causes:

- Use of low-quality batteries and chargers
- Improper charging practices

Less common causes:

- Improper battery storage
- Battery tampering
- Prolonged use
- Age and degradation
- Poor maintenance

Preventing Lithium-Ion Battery Fires

Buy high
quality
batteries

Charge Safely

Store Safely

Inspect
Regularly

Dispose safely

Riding on Trails and Off-Road Facilities

According to Title 39, low-speed e-bikes and e-scooters are:

Allowed where a bicycle is permitted

Exception: Trails with
'natural surface'

Exception: trail
owner restriction

Exception to the
exception: Trail
owner permission

Riding on Trails and Off-Road Facilities

Regulations for **shared-use paths** and **boardwalks** vary by municipality – **always check local regulations before riding!**



Securing and Parking Devices

- **Park upright** and in **designated areas** if available
- **Avoid blocking:**
 - Sidewalks
 - Entrances and exits
 - Curb ramps
 - Bus stops
- Bring loose items with you
- **E-scooters:** lock through a non-removable part of the device



Traveling on Transit

Lock and
leave it

Know before
you go

No gas motors

All that folds
is gold

Courtesy can
take you a
long way



Where Can I Find the Guide?



njbikeped.org/new-jersey-micromobility-guide-2025






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Our Other Resources



New Jersey's E-Bike & E-Scooter Law

VEHICLE TYPES	PROPULSION METHOD	POWER SOURCE	MAX ASSISTED SPEED (MPH)	LICENSE & REGISTRATION	HELMET	PARK ON THE SIDEWALK?	TAKE ON TRANSIT?
LOW-SPEED ELECTRIC SCOOTER 	Kickstart and throttle	Electric	19mph	No	Under 17 years old	If not blocking access	Yes*
LOW-SPEED ELECTRIC BICYCLE 	Pedal and optional throttle	Electric (<750W)	20mph	No	Under 17 years old	If not blocking access	Yes*
MOTORIZED BICYCLE 	Pedal and optional throttle	Gas or Electric (<50cc/<1.5BHP)	28mph	Required	Required	No	No

<http://njbikeped.org/new-law-legalized-e-bikes-and-e-scooters-in-new-jersey/>

* Restrictions may vary by agency. PATH and NJT restrict non-collapsible vehicles during peak travel times. Bus racks have limited availability and may not fit all bikes.

E-mobility devices make it easier to:

- Save on gas, parking, and rideshare costs.
- Access destinations without needing to walk or drive.
- Reduce carbon emissions.
- Make "first-mile" and "last-mile" connections for bus and train trips.
- Climb hills and keep up with traffic without getting sweaty.

- Help people with limitations due to age, physical fitness

njbikeped.org/micromobility

Low-speed e-bikes and e-scooters are regulated like bicycles. Drivers of low-speed e-bikes and e-scooters:

- Must ride in the same direction as traffic and obey all traffic lights, signs, and signals.
- Are advised to wear helmets to minimize potential head injury. Helmets are required in NJ for youth under age 17.
- Must park devices without blocking pedestrian and/or wheelchair access.

Off-road trails generally do not allow motorized bicycles, but may allow e-bikes and e-scooters.

Regulations vary by municipality and county. Check all local ordinances and policies. Ride slowly in areas with pedestrians.

For more information, visit the NJ Bicycle and Pedestrian Resource Center at njbikeped.org or the NJ Safe Routes Resource Center at saferoutesnj.org. 01.13.22



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saferoutesnj.org/research-reports

Micromobility and Youth Education, Engagement & Awareness

March 2023

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U.S. Department of Transportation
Federal Highway Administration

Contact the NJDOT Resource Centers

NEW JERSEY Safe Routes to School



www.saferoutesnj.org



NJDOT Safe Routes to School
Resource Center

saferoutesnj.org

Telephone: (848) 932-7901

Email: srts@ejb.rutgers.edu



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**BICYCLE & PEDESTRIAN
RESOURCE CENTER**

Educate. Encourage. Empower.



NJDOT Bicycle & Pedestrian Resource
Center

njbikeped.org

Telephone: (848) 932-3714

Email: bikeped@ejb.rutgers.edu

