



Micromobility Traffic Ordinance **(Regulation of Human and Electric Powered Vehicles on Streets, Paths and Sidewalks)**

City Council
April 13, 2021



Tonight's Discussion Topics

- ▣ Purpose of micromobility traffic ordinance
- ▣ Four main topics:
 - ▣ New definitions
 - ▣ “Which Wheels Go Where?” - allowed use on facility types
 - ▣ Addressing micromobility safety
 - ▣ Revised sidewalk dismount zones
- ▣ Next steps
- ▣ Suggested motion following public hearing

Purpose of Micromobility Traffic Ordinance

- Provide clarity among the different types of vehicles
- Regulate where vehicles can operate
- Ensure regulations meet the safe operation of vehicles

New Definitions

1. Human Powered Vehicles
2. Lightweight Electric Vehicles
3. Low-Power Scooter
4. Low-Speed Electric Vehicle
5. Moped
6. Toy Vehicle



1.



2.



3.



4.






5.










6.









Which Wheels Go Where?

Vehicle Type	Allowed Use		
	Sidewalks (except dismount zones)	Multi-use Paths	Streets/Bike Lanes
Bicycle & Electric-Assist Bicycle 	✓	✓	✓
Human Powered Vehicles 	✓	✓	✓ *on residential streets and in bike lane on all other streets
Lightweight Electric Vehicle 	✗ *may use sidewalk if no bike lane is present in adjacent street	✓	✓ *on residential streets and in bike lane on all other streets

Which Wheels Go Where?

Vehicle Type	Allowed Use		
	Sidewalks (except dismount zones)	Multi-use Paths	Streets/Bike Lanes
Low-power Scooter 	✗	✗	 *only in street, not allowed in bike lane
Low-speed Electric Vehicle 	✗	✗	 *only in street, not allowed in bike lane
Moped 	✗	✗	 *only in street, not allowed in bike lane
Toy Vehicle 	✗	✗	✗

What's changed?

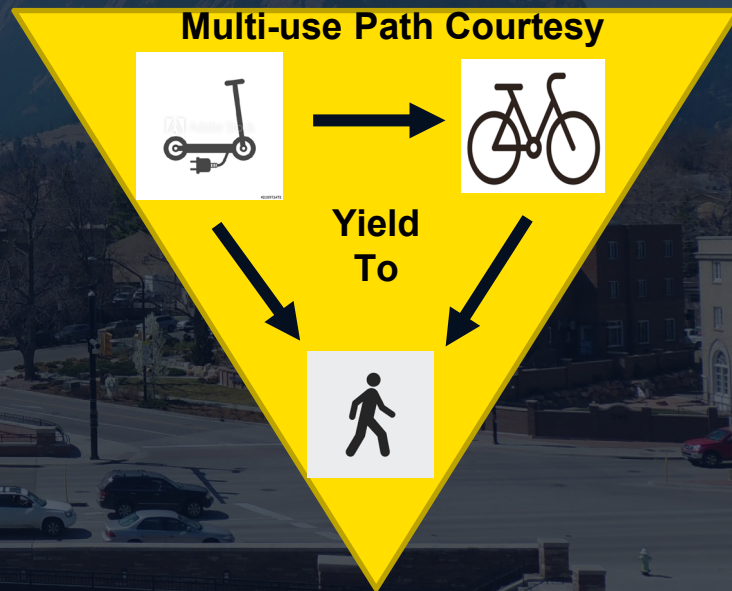
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Addressing Micromobility Safety

Safety Requirements

Yielding Hierarchy on Streets and Paths

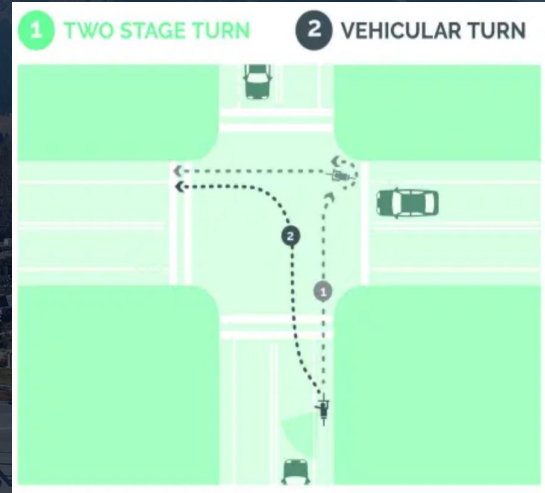
- All vehicles must yield to pedestrians.
- Lightweight electric vehicles must yield to pedestrians and all other human powered vehicles.
- Motor vehicles must yield to all pedestrians and all other vehicles when entering or exiting any place other than an intersection.



Safety Requirements

Use of Lights and Lane Positioning

- Lightweight electric vehicles and human powered vehicles must be equipped with lights at night
 - If not on the vehicle itself, then on the operator
- Human powered vehicles and lightweight electric vehicles must stay within the bike lane. Required to perform a two-stage left turn.



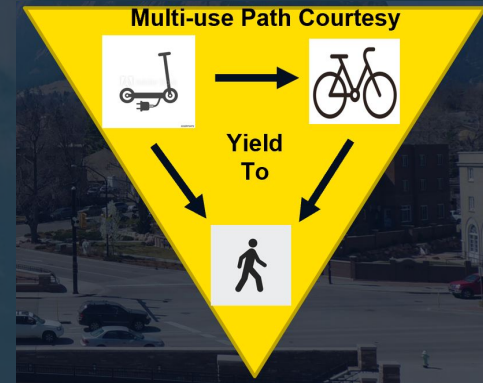
Communications Plan - Feedback

- Pedestrians feel unsafe sharing space with higher-speed devices.
- **Create awareness about where devices can be used and safe behaviors.**
- **Make all regulations as clear as possible – streamlined.**
- **Three safety behaviors need more education: yield to peds, go slow and announce yourself.**
- Offer training concerning safe behaviors in shared spaces.



Communications Plan - Strategy

- Goals
 - Translate the regulations into clear and easily understandable terms (bilingual).
 - Educate community members on safe use of vehicles in shared spaces.
 - Streets, paths and sidewalks
- Campaigns
 - “Which Wheels Go Where?” (April 2021)
 - “Way of the Path” program (May 2021)





Sidewalk Dismount Zones Revision Process

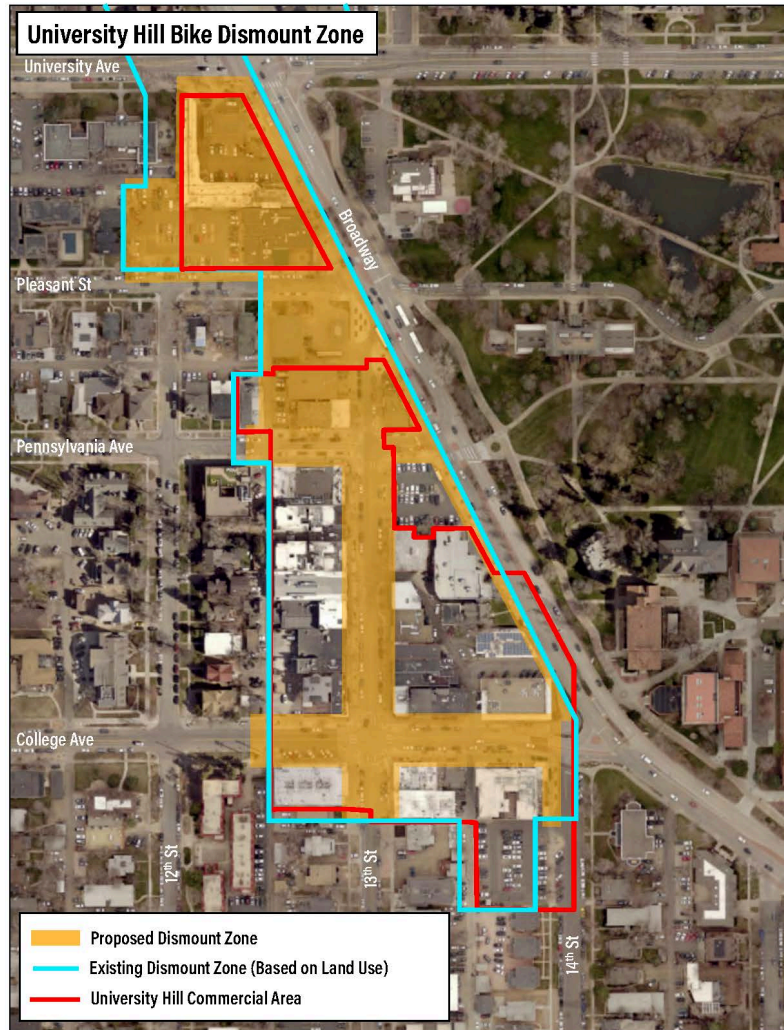
- Request for a focused look at designating dismount zones.
- Performed sidewalk analysis for three general improvement districts:
 - Downtown (CAGID)
 - University Hill (UHGID)
 - Boulder Junction (BJAD)
- Investigated sidewalk widths, pedestrian volume, land-use, and existing encroachments, such as patio dining and other amenities.
- Developed draft dismount zone maps only for Downtown Boulder and University Hill.

Community Engagement

Dismount Zones

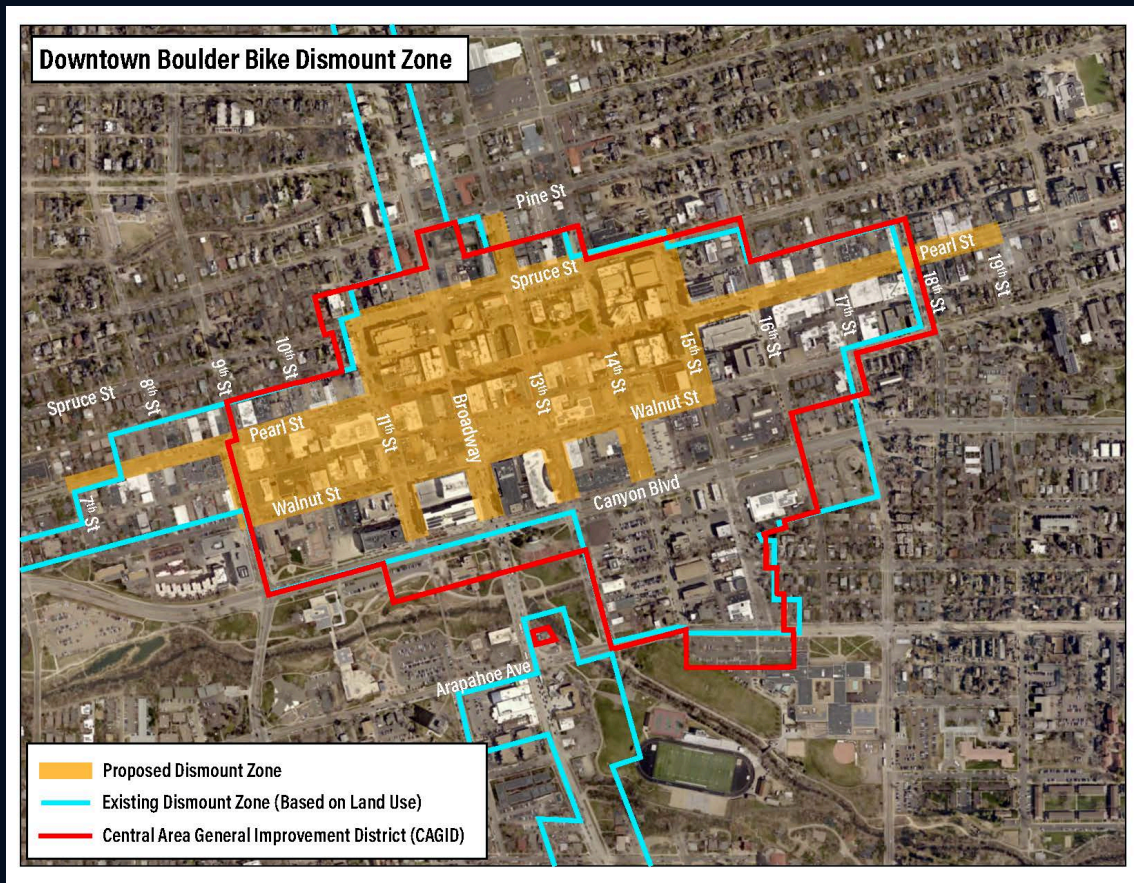
- Downtown Boulder Partnership
- Downtown Management Commission
- University Hill Commercial Area Management Commission
- Boulder Junction Access District
- Community Cycles





Input from UHCAMC

- Include sidewalks along Broadway (University to College)
- Include “Alley A” of the Hill Commercial Alley Enhancements Plan.



Input from Downtown Management Commission and Downtown Boulder Partnership:

- Supports draft dismount zone map for CAGID area and requested the inclusion of Pearl Street sidewalks between 7th and 9th Streets

Input from Community Cycles:

- Exclude Broadway from dismount zone and request for time-of-day restriction

Next Steps

April 13

City Council
(2nd reading)
Public Hearing

May – December

- Ordinance effective mid-May
- Implement Communications Plan
 - Dismount Zones
 - “Which Wheels Go Where?”
 - Way of the Path
- Install signing and markings

Suggested Motion Language

Staff requests council consideration of this matter and action in the form of the following motion:

Motion to adopt Ordinance 8447 – Micromobility Traffic Ordinance -- Regulation of human and electric-powered vehicles on streets, paths, and sidewalks; and setting forth related details



Thank you!



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