

City Code Revisions Electric Bicycles Electric Scooters

May 28, 2019



Presentation outline

1. Purpose and context
2. Status of dockless bikeshare RFP
3. Next steps/process
4. Community outreach
5. Review of devices
6. City Code revisions





Purpose

1. Regulate vendors

- Require a permit agreement for bikeshare/scooter vendors
- Prevent vendors from “dumping” bikes and scooters

2. Address devices

- Allow or prohibit electric bicycles and electric scooters on FUTS trails and sidewalks
- Other City Code changes to regulate as necessary



The broader context

- Growing, larger trend towards *micro-mobility*
- Technology is changing rapidly – new devices for getting around



The broader context

Significant benefits...

- More affordable transportation
- Enhanced mobility for those with physical limitations
- Reduced reliance on automobile
- Better health
- Lower GHG emissions

Also concerns...

- Safety of new devices
- Conflicts with vulnerable users
- Access to devices
- Rapidly evolving technology
- Enforcement issues
- Additional competition for the same limited pedestrian/bicycle space



The broader context



- How does the City respond...
 - Embrace new transportation options
 - Be accommodating in recognition of the benefits
 - Work towards productive resolution of issues and concerns

2 Status of dockless bikeshare RFP

- RFP posted on April 16, 2019
- Closes on May 31, 2019
- Several inquiries regarding e-scooters
 - Answer: E-scooters will not be considered



3 Next steps/ process for City Code revisions

- Tonight: Direction from Council regarding City Code revisions
- June 4: First read of ordinance
- June 18: Second read



4 Outreach since last Council work session

- Transportation Commission: May 1
- Bicycle Advisory Committee: May 2
- Pedestrian Advisory Committee: May 9
- FMPO/NAIPTA Coordinated Mobility Council: May 10

- Commission on Inclusion and Adaptive Living: April 30 (no quorum) May 28
- Open Spaces Commission: June 3



5 Review of devices

- Electric bicycles
- Electric stand-up scooter





Electric bicycles



- Arizona Revised Statutes Section 28-819
- Ebike classes:
 - Class 1: pedal assist, 20 mph
 - Class 2: throttle, 20 mph
 - Class 3: pedal assist, 28 mph





Electric scooters



- Arizona Revised Statutes Section 28-819
- Signed into law on April 22
- Max speed of 20 mph



6 City Code revisions

- A. Regulations for dockless vendors
- B. Electric bikes/e-scooters on FUTS trails and sidewalks
- C. Other considerations





A. Regulation of service providers

Recommendation

- New Code language makes it an offense to place bicycles or scooters in the City's right-of-way without a permit agreement

Intent

- Prevents vendors from operating in the City without a permit agreement
- Prevents "dumping" of dockless bikes and scooters
- Gives City authority to impound and fine (\$500 each) unauthorized bikes or scooters in ROW



A. Regulation of service providers



Decision points:

- Is the Council supportive of the proposed City Code revisions regulating service providers



B. E-bikes and e-scooters

Recommendation

- E-bikes and e-scooters would be banned on sidewalks
- Class 1 and 2 e-bikes and e-scooters would be allowed on FUTS
- Class 3 e-bikes would be banned on FUTS trails

Intent

- Clarify where devices are allowed and prohibited



B. E-bikes and e-scooters

Decision points:

- Should e-bikes and e-scooters be allowed or prohibited on...
 - Sidewalks
 - Downtown sidewalks
 - FUTS trails
 - Bike lanes



Current status of devices

Per existing ARS... (if we do nothing)

- Class 1 and 2 e-bikes are allowed on FUTS trails
- Class 3 e-bikes are prohibited on FUTS trails
- E-scooters are allowed on FUTS trails
- Sidewalks are not addressed



Staff recommendations

Device	Characteristics	Sidewalk	Sidewalk, Downtown	FUTS	Bike Lane
Electric Bike, Class 1	Pedal assist, 20 mph	No	No	Yes	Yes
Electric Bike, Class 2	Throttle, 20 mph	No	No	Yes	Yes
Electric Bike, Class 3	Pedal assist, 28 mph	No	No	No	Yes
Electric Standup Scooter	Up to 20 mph	No	No	Yes	Yes



Basis for recommendations

- Benefit to being consistent with ARS
- Follows model legislation guidance from Bicycle Product Suppliers Association and People for Bikes
- Paved FUTS typically have a design speed of 20 mph (unpaved trails are less)
- Protect most-vulnerable users on sidewalks



Commission/community discussion

- Community survey | 376 responses
- Transportation Commission
- Pedestrian Advisory Committee
- Bicycle Advisory Committee



Bike lanes and downtown sidewalks

Recommendation:

- Prohibit all e-bikes and e-scooters from downtown sidewalks
- Allow all e-bikes and e-scooters in bike lanes

Differences from commissions/survey:

- Consensus



Sidewalks



Recommendation:

- Prohibit all e-bikes
- Prohibit e-scooters

Differences from commissions/survey:

- PAC: Allow class 1 e-bikes
- BAC: Allow all e-bikes



FUTS trails



Recommendation:

- Allow class 1 and 2 e-bikes
- Prohibit class 3 e-bikes
- Allow e-scooters

Differences from commissions/community:

- BAC: Allow class 3 e-bikes
- Trans Comm: Allow class 3 e-bikes
- Survey: Prohibit e-scooters



C. Other considerations

Recommendation

- Requirement to provide truthful name and date-of-birth when detained upon reasonable suspicion that a violation of the ordinance has been committed
- Provision to make it unlawful to operate an e-bike or e-scooter while under the influence of drugs or alcohol



Truthful name/DOB



Decision points:

- Should a requirement to provide a truthful name and date-of-birth be included in City Code
- Should the requirement be to provide a truthful name only



Operating under the influence

Decision points:

- Should it be unlawful for a person to operate an e-bike or e-scooter under the influence of drugs or alcohol
- Should City Code establish a minimum penalty, or should the penalty be left open for prosecutors

Thank you.

