# **Dockless Vehicle Committee**

October 13, 2021



### **Agenda**

**September Recap:** Universities boosting ridership, transit trips increased share of trips during pandemic, launching station/stop QR codes, quick build connections are priority for infrastructure permit \$

### **October Agenda**

#### **Timeline Check In**

Permit Cycle and Forecast

Data Request – Q1 Compliance

### **Updates**

Ridership Numbers Adaptive Vehicles – NEXT MONTH

#### Discussion

Parking – Issues and Tactics

Guest Speaker – Anne Brown, University of Oregon parking research

BCDOT Auditing

BCDOT Corrals

#### Miscellaneous

Large Events and Community Announcements

### **Permit Cycle**

2021 Permit

- 1-2 companies will be eligible for renewal based on:
  - BCDOT Ratings Compliance ratings, warnings and citations issued
  - Community Ratings 311, complaints, community survey

Quarterly

- Compliance Review
- Fleet Increase applications (Q1 Increases: Link +100, Spin +250)

2022 Permit

Anticipate awarding 2-3 permits

2023 possible onger-term permit

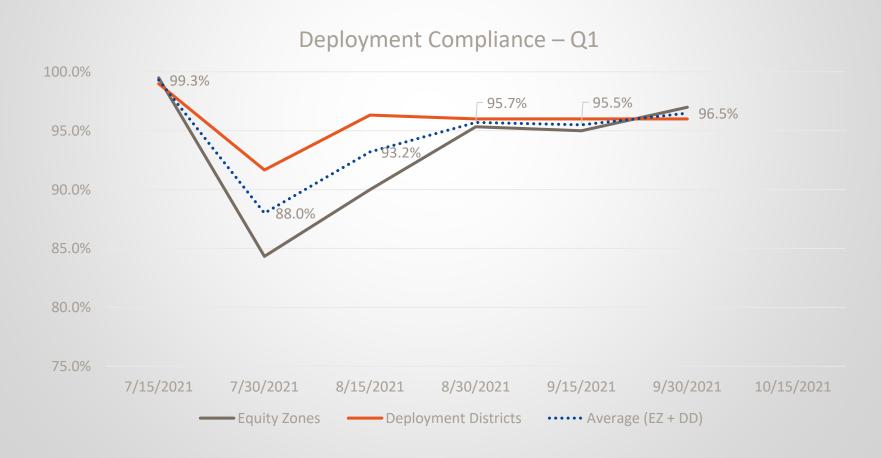
 Watching and researching longer term RFP for dockless programs (Denver, NYC)

	Metric	Tracking Methodology/Notes	Weight*
BCDOT Compliance Tracking	Equity Zones and Deployment Districts	85% compliance (monitored twice monthly) minimum.	10
	Percentage of the fleet parked over 5 days	5% or lower (monitored twice monthly).	10
	Monthly Parking and Vehicle Inspections	Deployment compliance and response times. Vehicle appearance and operations.	10
	Equity Plan sign-ups	Reported monthly by permit holders.	10
	Number of safety and equity events (9 required)	Reported monthly by permit holders.	10
	General – any warning or citations for violating R&R	Repeated non-compliance triggers 2 warnings before a citation.	20
Baltimore Community Rankings	311	Complaints and reports, standardized by fleet size.	5
	Email, phone, mail complaints	Standardized by fleet size and type of reporter (individual, community group, etc.).	5
	Survey Responses	Questions TBD.	20

<sup>\*</sup>For each metric, permit holders will be ranked and a curved scoring process will be applied. The top ranked company in each metric would receive the maximum score and other companies scores will be calculated based on comparative compliance and performance for that metric.

## **Equity Zones and Deployment Districts-** monitored twice monthly

- 85% compliance minimum, 90% required for any fleet increases etc.
- New Permit Holders given 60 days for compliance



## Percentage of fleet parked over 5 days- monitored twice monthly

- 5% of fleet or lower required
- 3 citations issued to date

# Percentage of Fleet Parked over 5 Days – Q1



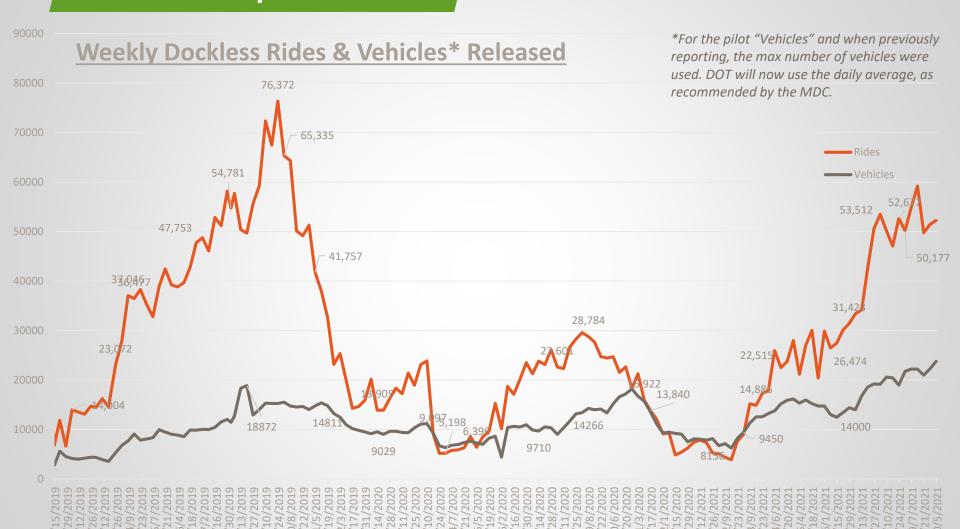
**Monthly Parking and Vehicle Inspections** – Conducted once a month plus audits following complaints

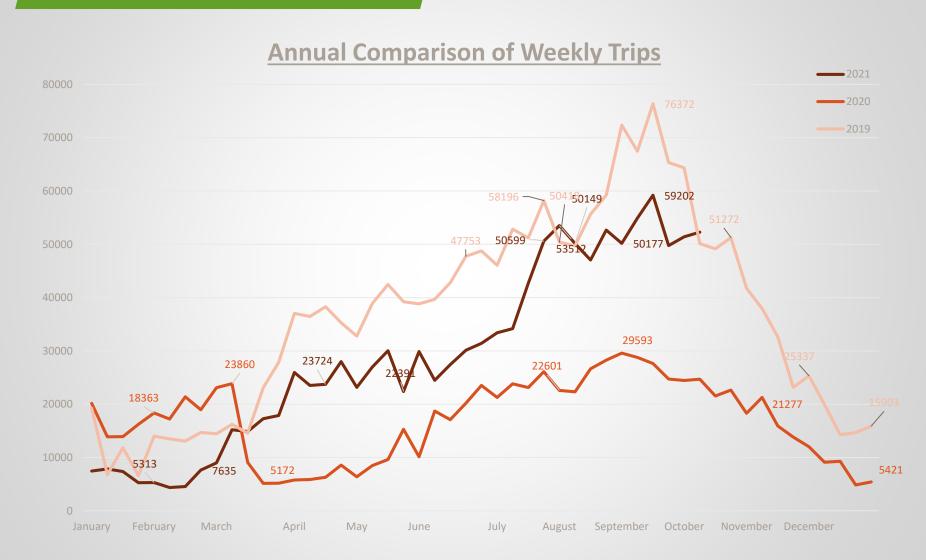
Event	Vehicle Issues	Parking
July Inspections	<ul><li>All geofenced zones working</li><li>1 PH – Loose stems (warning 1)</li></ul>	14 vehicles moved
August Inspections	<ul> <li>All garage zones working</li> <li>1 PH – missing braille stickers (warning 1)</li> </ul>	10 vehicles moved
September Inspections	<ul> <li>All JHU zones working</li> <li>Two PH – missing braille (warnings 1 &amp; 2)</li> <li>One PH- Identifiers not working for reporting (warning 1)</li> </ul>	23 vehicles moved
Parking Response Audit (1 PH)		Still in progress, 3/5 failed (must audit 10)

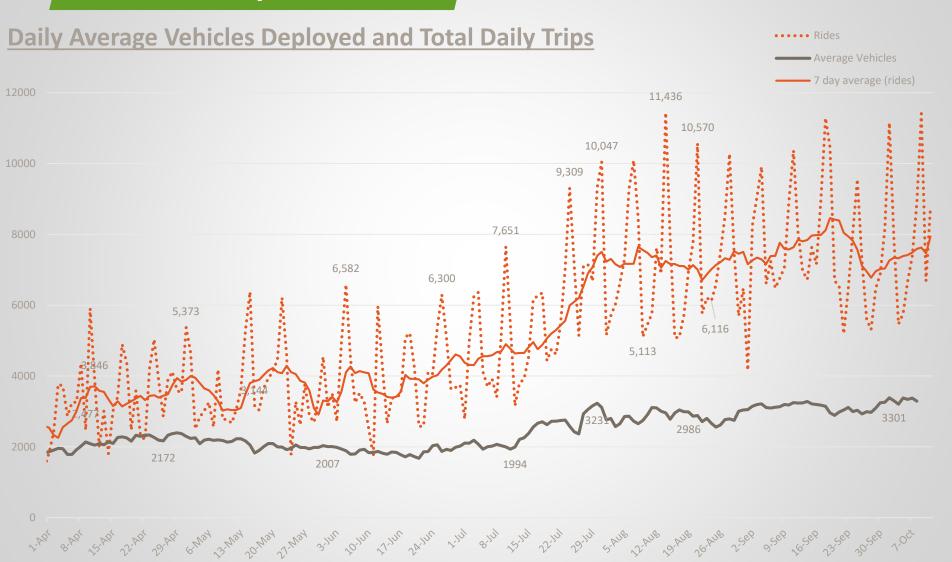
**Equity Plan Sign-ups and Events**— Self reported from permit holders for low income, cash, and non-smartphone plan sign ups, trips taken by plan users, and promotional events

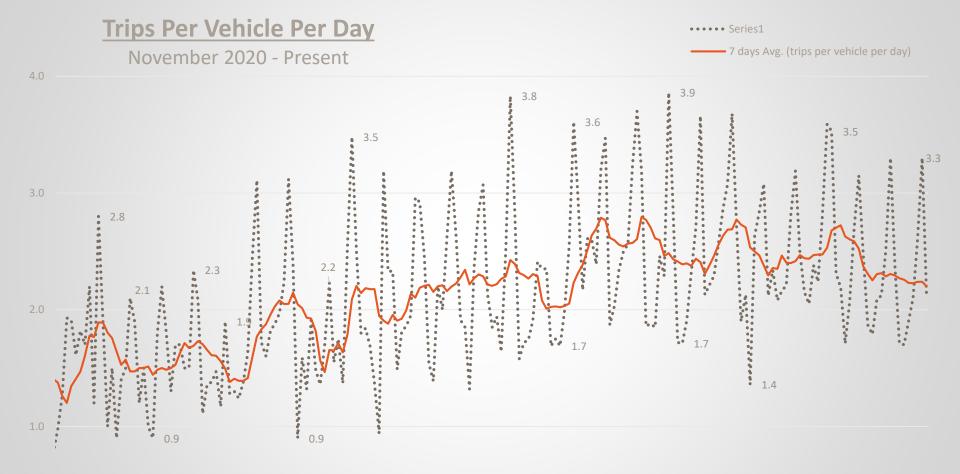
Month	Sign ups	Equity Trips	Events
July	71	277	8
August	78	2402	5
September			













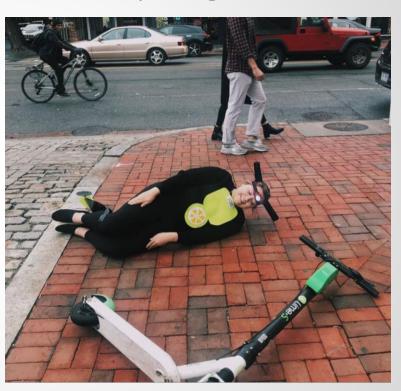
### Poll:

What are the biggest issues observed with scooter parking?

Mentimeter Poll: Menti.com

Code:1903 4039





# **Discussion with Anne Brown, University of Oregon:**

- How severe is the issue?
- What are other cities doing to manage parking?

### Anne Brown, University of Oregon, School of Planning, Public Policy, and Management



Contents lists available at ScienceDirect

### Transportation Research Interdisciplinary Perspectives

journal homepage: https://www.journals.elsevier.com/transportation-researchinterdisciplinary-perspectives



Impeding access: The frequency and characteristics of improper scooter, bike, and car parking



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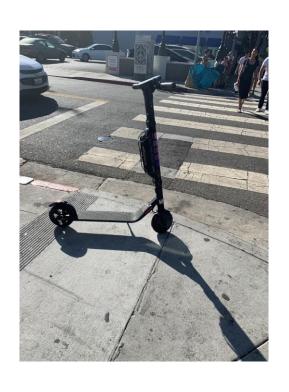
#### ARTICLE INFO

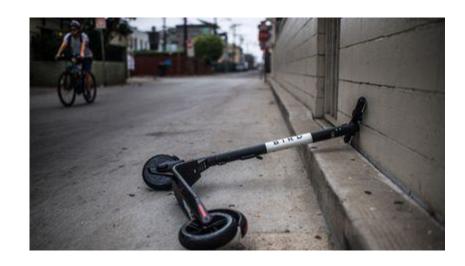
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Keywords Micromobility Parking E-scooter Cycling Shared mobility Ride-hail

#### ABSTRACT

Many cities are grappling with how to regulate new shared mobility modes, including dockless e-scooters and bikes (i.e., "micromobility"). Transportation planners in these cities are particularly concerned about micromobility parking regulations, which have implications for the safety and mobility of riders and the general public. In this research, we investigate the parking practices as well as the frequency and types of parking violations of three types of vehicles operating on city sidewalks and streets: e-scooters, bikes, and motor vehicles. We collected original data on 3666 e-scooters, bikes, motor vehicles, and sidewalk objects in Austin, TX, Portland, OR, San Francisco, CA, Santa Monica, CA, and Washington, DC, to examine micromobility and motor vehicle parking practices. We find that motor vehicles impede access far more (24.7%) than bikes (0.3%) and e-scooters (1.7%). Ride-hail and food delivery drivers disproportionately impede access. Motor vehicles often impeded other travelers' access when dropping off or picking up people or food while double parking, parking in "No Parking" areas, or blocking driveways. Our findings suggest that micromobility companies are just one of several technology-enabled transportation services that should motivate cities to rethink parking policies. © 2020 The Author(s). Published by Elsevier Ltd. This is an open access article under the CC BY-NC-ND license (http://creativecommons.org/licenses/by-nc-nd/4.0/).

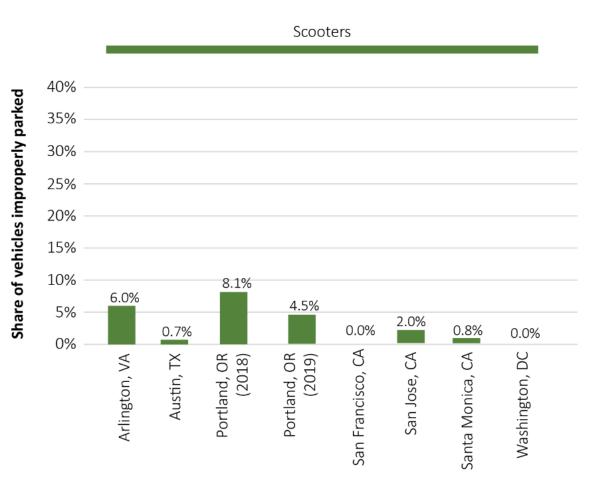




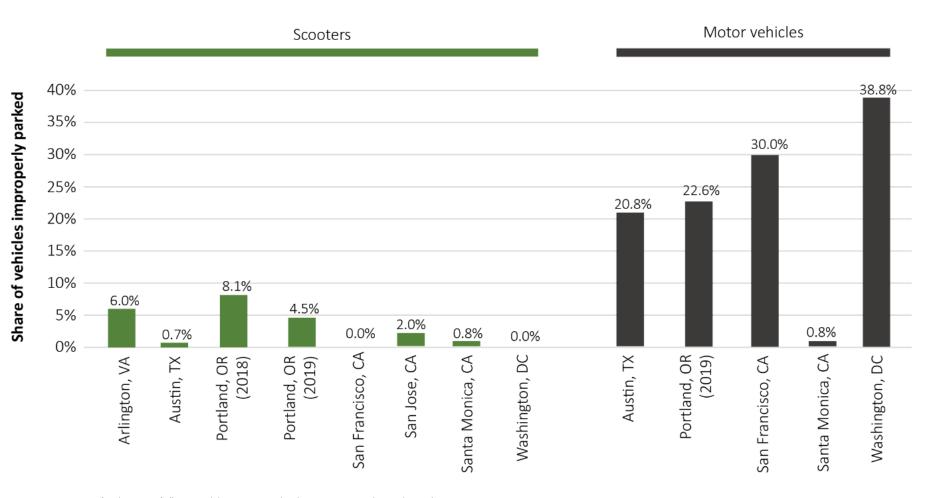


believe that 30%+ of scooters are misparked

Source: Klein, Brown, and Thigpen. 2021. Working Paper.



Source: Brown, Anne. (Under Review). "Micromobility, Macro Goals: Aligning scooter parking policy with broader city objectives." *Transportation Research Interdisciplinary Perspectives*.



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- Regulations:
  - Fleet size/caps
  - Lock-to requirements: San Francisco, Chicago, DC (10/1/21)



unintended consequence of the lock to rule: an improperly parked scooter can't be moved my passers by. I'd love to clear the sidewalk here but it's locked to the fence! @limebike @DDOTDC @311DCgov 1300 block of Trinidad Ave NE.

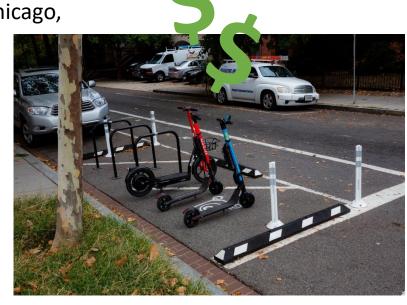


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  - In-app messaging
  - Signage



### Poll:

Where in Baltimore have you observed issues with parking?

Mentimeter Poll: Menti.com

Code: 1903 4039





Pictured: Game day parking 2018, prior to designated parking/enforcement

### **Discussion about BCDOT tactics and enforcement:**

- Do the auditing methods address the biggest issues?
- Have the corrals been effective to incentivize proper parking?

# Parking – issues and tactics - BCDOT Routine Checks

### 1. Monthly Parking and Response time checks

Goal: Check different areas for trends, deployment issues, and customer service response time.

- Performed in a randomly selected location.
- Vehicles immediately blocking ADA access moved and recorded by BCDOT.
- Any other illegally parked/deployed vehicles reported to the responsible company.
- Any vehicles remaining after the allotted response time are towed.

### 2. Compliance checks for vehicles parked over 5 days

Goal: Reduce vehicles parked over 5 days and reduce vandalism.

- BCDOT will monitor the number of vehicles parked for more than 5 days through the MDS API and report to permit holders during compliance check-ins.
- If more than 5% is parked for more than 5 days, permit holders receives 2 warnings before a citation.

### Parking – issues and tactics - BCDOT Auditing

### 3. As-needed checks of deployment locations when reported to BCDOT

Goal: Enforce specific parking policies (non-deployment zones, transit stops)

- BCDOT notifies permit holder of the reported location, initiating week long monitoring.
- If a provider's vehicles are reported with photo evidence or found at the location by BCDOT a total of 3 times, BCDOT will issue a citation.

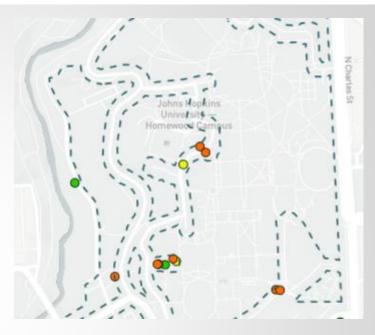
### 4. Customer Service Auditing

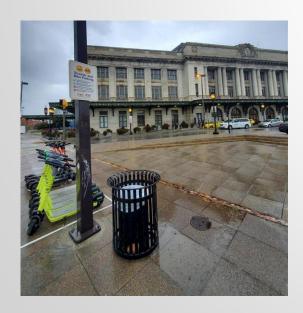
Goal: Check customer service channels and response times (6 hours when reported by public)

- After 3 complaints about customer service, BCDOT notifies permit holder of audit
- BCDOT reports up to 10 vehicles for repositioning or retrieval, if 4 or more are not repositioned, a citation is issued.

### **BCDOT Corrals**

- More than 50 corrals to date
- Partnered with Stadium Authority and Universities to manage parking
  - JHU complete
  - Morgan State and Loyola in development



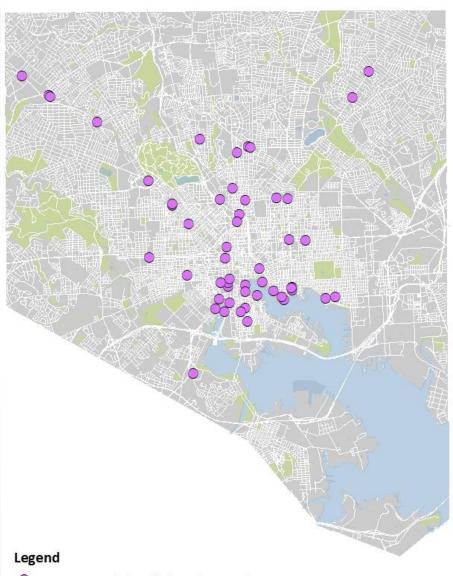






### **BCDOT Corrals**

- Locations were chosen based on locations of equity zones, transit stops, high ridership, main streets
- Are we missing any other needed locations?
- Should we take requests?



Scooter corrals installed as of September 2021



### **Action Items**

## **Q2** Large Events:

- Ravens Games
- Comic Con
- Concerts: MECU, M &T,
   Baltimore Arena

## **Community Events:**

- November 6 Lake 2 Lake
   Play Day
- Other events?

# **Next Meeting:**

- November 10, 2021
- Possible topics:
  - adaptive vehicles
  - survey
- Data/Analysis Requests?

