



Shared Mobility Devices Pilot Program

Presentation to the Aurora Highlands Civic Association

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Department of Environmental Services

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What is it?

- Various terms in use: micromobility, dockless bikeshare, scootershare, etc. We're using "Shared Mobility Devices" (SMDs).
- Includes pedal bikes, pedal-assist e-bikes, and stand-up e-scooters.
- Find SMD in an operator's respective app, and when finished, park anywhere within reason.



Image credit: Greater Greater Washington



Image credit: The Washington Post

History in Region

- September 2017

- Dockless bikeshare launches in DC and Montgomery County with five companies



- March 2018

- Dockless scootershare launches in DC with three companies



- June 2018

- Scootershare comes to Arlington



History in Arlington

- September 2018
 - County Board approves pilot program September 25
- October 2018
 - Pilot launches in Arlington on October 1
 - Lime and Bird approved
- November 2018
 - Lyft approved for e-scooters
- December 2018
 - Lime approved for e-bikes
- January 2019
 - Spin and JUMP approved (JUMP hasn't deployed yet)
 - Skip and Bolt apply for e-scooters
- February 2019
 - Spin launches

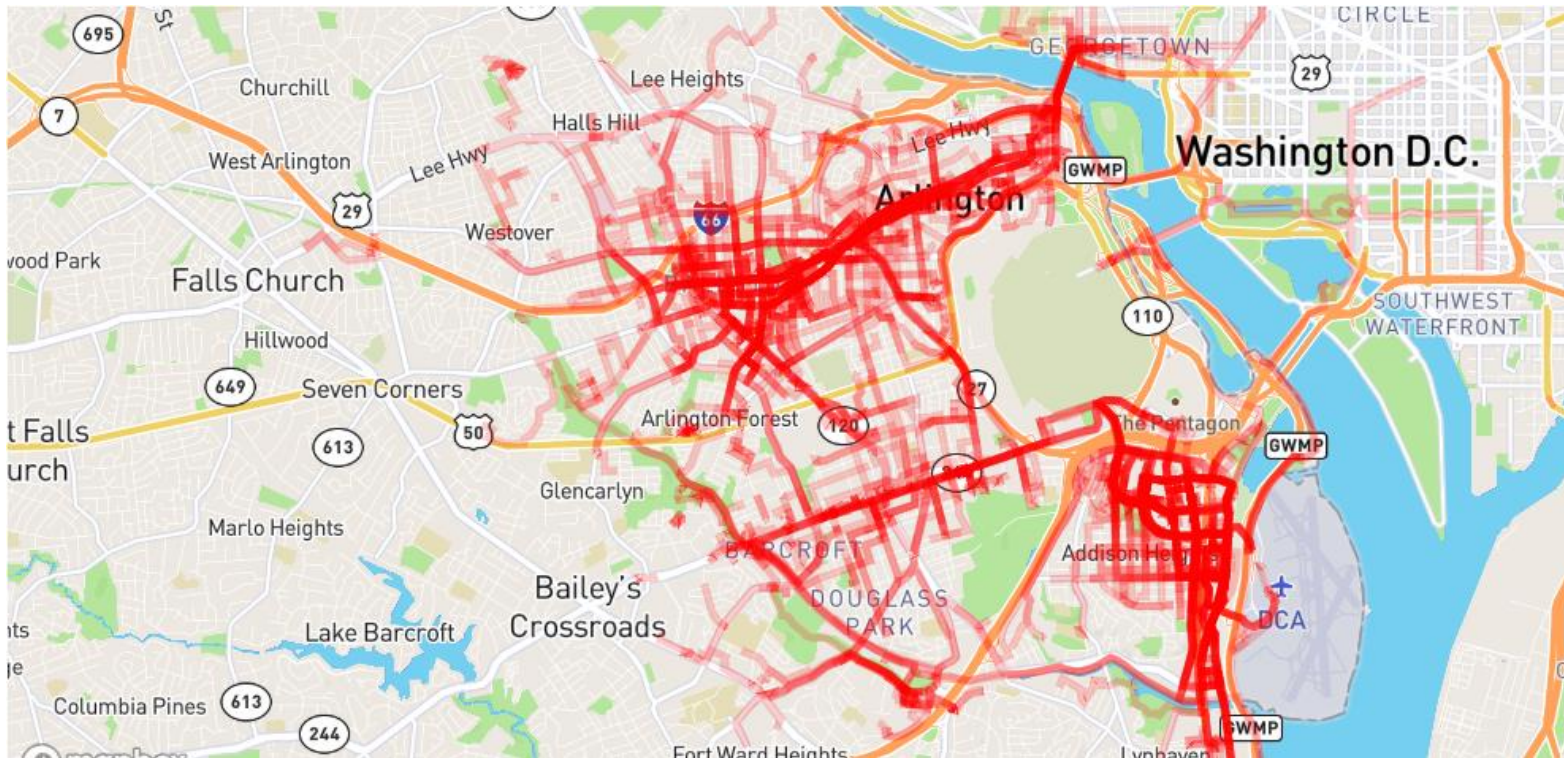


- 9-month pilot program:
 - 10/1/18 – 6/30/19
 - Initial fleet size 350 devices per mode per company
 - Fleet size growth/contraction with performance metrics
 - Add 50 SMDs if ≥ 3 trips/vehicle/day & compliance
 - Subtract 50 SMDs if ≤ 2 t/v/d
 - Top speed: 10mph for e-scooters, 15mph for e-bikes
 - Correction of mis-parked devices by operators
 - Data-sharing
 - \$8,000 permit fee to fund staff/consultant time
 - \$5,000 surety bond should operator go bankrupt

- Pilot language drafted through discussion with regional partners
- Looked at best practices
- Wanted nearly identical regulations and data-sharing requirements to limit confusion among the public and increase cooperation among the companies

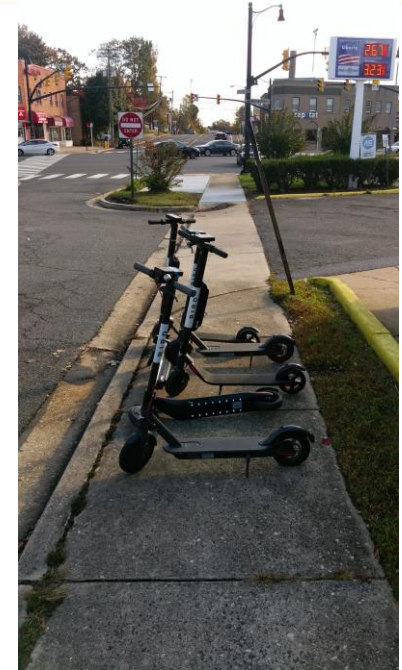


- October 2018-January 2019
 - 199,811 e-scooter and e-bike trips; 199,217 miles traveled



Biggest Issues

- 20 reported crashes
- Top 4 Issues in Arlington:
 - Sidewalk riding
 - Improper parking
 - Perceived unsafe rider behaviors
 - Underage riders



Complaint Totals* (through 2/4/19)

	Parking	Sidewalk Riding	Trail Riding	User Behavior	Abandoned/Vandalized	Slow Speed	Fast Speed	Safety	Underage Rider	Number of Devices	Disabled/Broken	Close Call	Other	Total
18-Oct	94	85	40	55	2		13	30	35	5	0		10	369
18-Nov	64	72	13	55	4		21	65	64	3	3	24	25	413
18-Dec	40	22	13	20	1	8	8	33	22	0	3	5	5	180
19-Jan	21	12	5	6	2	1	3	6	2	2	1	7	7	75
19-Feb	1	2		1								1	1	6
	220	193	71	137	9	9	45	134	123	10	7	37	48	1043

* Number of complaints does not mean number of people complaining. Many emails include several complaints and some residents submit multiple emails

Parking Corrals

- On-street “corrals” to encourage street riding
- Seven locations on R-B and Rt. 1 corridors
 - Full list at [RideDockless.com](https://www.ridedockless.com)
- Working with operators to incentivize parking at corrals through geofenced areas in apps



Virginia Square



Courthouse

How to Evaluate?

- Many factors to consider when evaluating pilot program's value to residents, businesses, and visitors, including:
 - Impacts to pedestrians, cyclists, and motorists
 - Appropriate fleet sizes per mode
 - Parking compliance from operators
 - Sufficient communication with riders
 - Number of riders and trips
 - Overall public satisfaction with program

- **Formal Feedback Period**
 - April through May
- **Pilot Concludes June 30**
 - Decision whether to extend pilot during evaluation period
- **Evaluation Period**
 - July through August
- **Final report to County Board**
 - September County Board meeting

Any questions or comments?

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