Shared Mobility Devices Pilot Program

Presentation to the County Board

Jim Larsen, Bureau Chief, Arlington County Commuter Services
Department of Environmental Services

September 25, 2018
• 9-month pilot program:
  – Structured after successful bikeshare and carshare programs
  – Incorporated ideas from the public and localities in the region
  – Initial fleet size per mode per company
  – Top speeds of 10 mph for scooters, 15 mph for e-bikes (currently 15 and 20)
  – Quick correction of mis-parked devices by operators
  – Data-sharing
  – Permit fee to fund staff and consultant time
  – Surety bond should companies go bankrupt and leave SMDs behind
<table>
<thead>
<tr>
<th>Meeting Name</th>
<th>Meeting Date</th>
<th>Meeting Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bicycle Advisory Committee</td>
<td>8/6/18</td>
<td>7:30pm</td>
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<tr>
<td>Pedestrian Advisory Committee</td>
<td>8/8/18</td>
<td>7pm</td>
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<tr>
<td>Operators Meeting</td>
<td>8/10/18</td>
<td>10:30am</td>
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<tr>
<td>Transportation Commission</td>
<td>9/5/18</td>
<td>7:30pm</td>
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<tr>
<td>Economic Development Commission</td>
<td>9/11/18</td>
<td>7:45am</td>
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<tr>
<td>Pedestrian Advisory Committee</td>
<td>9/12/18</td>
<td>7pm</td>
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<tr>
<td>Neighborhood Complete Streets Commission</td>
<td>9/17/18</td>
<td>7:30pm</td>
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<tr>
<td>Commission on Aging</td>
<td>9/18/18</td>
<td>1pm</td>
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<td>Disability Advisory Commission</td>
<td>9/18/18</td>
<td>7:15pm</td>
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<tr>
<td>County Board Meeting</td>
<td>9/25/18</td>
<td>6:45pm</td>
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<tr>
<td>Parks and Recreation Commission</td>
<td>9/25/18</td>
<td>7pm</td>
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<tr>
<td>Transit Advisory Committee</td>
<td>11/13/18</td>
<td>7pm</td>
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</tbody>
</table>
Fleet Size

- Initial cap of 200 devices per mode per company. (modes: pedal bikes, e-bikes, scooters)

- Increase of additional 50 devices per month, up to 150, if 6+ trips/device/month and compliance with MOA requirements.

- Conservative “go slow” growth to not overwhelm during pilot.

- Could have up to 10 applications with 2,000 devices total, increasing up to 3,500 devices.
County or State Code allows for the following riding by mode and location:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Street</th>
<th>Sidewalk</th>
<th>Trail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedal Bike</td>
<td>Allowed</td>
<td>Allowed</td>
<td>Allowed</td>
</tr>
<tr>
<td>E-bike</td>
<td>Allowed</td>
<td>Allowed</td>
<td>Prohibited</td>
</tr>
<tr>
<td>E-scooter</td>
<td>Allowed</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
</tbody>
</table>
Parking

• Staff is considering creating on-street corrals at Metro stations to encourage orderly parking and on-street riding

• Quick and inexpensive to build

• Limit impact on existing bike parking with corrals

Sample corral from Austin, TX
Sample corral from Santa Monica, CA

Sample corral from Belgium
• Require operators move an improperly parked device:
  • <1 hr between 8am–9pm,
  • <2 hrs between 6-8am, 9-11pm.

• Some operators allow customers to report bad parking behavior which could result in being removed from service.
Safety

• Lowered top speeds (10 mph for scooters, 15 for e-bikes)
• Scooters must meet same safety requirements as bikes for lighting, bell
• 90-second standing light for bikes, scooters
• Safety language on device is required
• Operator to inform customers not to ride scooters on sidewalks, scooters and e-bikes on trails
• 16 y.o. minimum age
After pilot, evaluate program to determine its utility and effects:

- Impacts to pedestrians, cyclists, and motorists
- Fleet size cap
- Compliance from operators
- Operators’ sufficient communication with riders
- Number of riders and trips
- Public satisfaction with program
• County Board Authorization
Any questions or comments?

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