



# AVs in the District of Columbia

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Northern Virginia Transportation Roundtable

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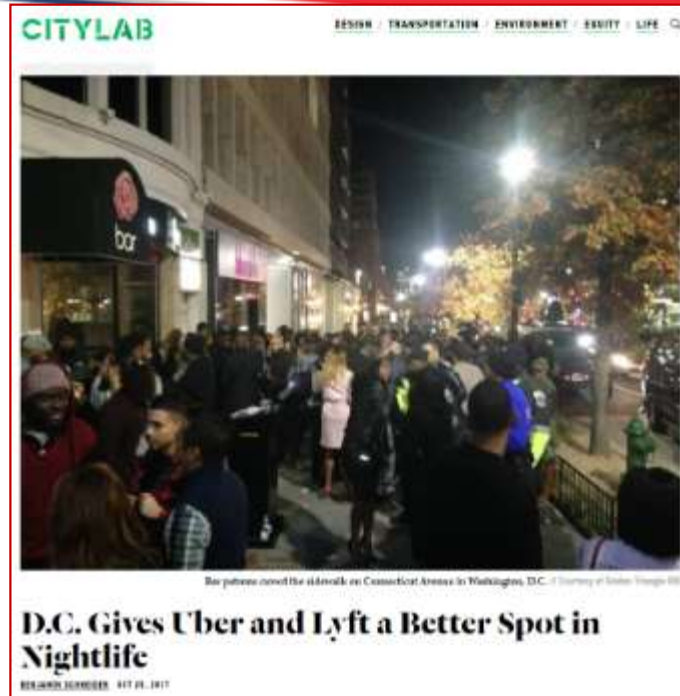
# Capital of Inclusive Innovation

- “We will keep the District on the cutting edge of autonomous vehicles and do so in a way that benefits our residents.”
- “Washington, DC is a creative, tech-savvy city, and as we grow, we will always be exploring and investing in innovation and finding ways to make it more inclusive.”
- Upgrading and modernizing our infrastructure and thoughtfully and creatively embracing technology.
- Focus on:
  - Safety and Vision Zero
  - Equity and affordability
  - Improve mobility and reduce congestion
  - Sustainability



# New Mobility: Setting the Stage for AVs

- Rethinking the Curbside
  - Penn Quarter/Chinatown Performance Parking
  - PUDO Zones
- Technology
  - Personal Delivery Devices: Starship Technologies
  - On-board units with V2V and V2I communication on 5 DDOT fleet vehicles
  - Partnership with Audi to bring real-time traffic signal information to over 600 traffic signals with “time-to-green” technology
- Regulations and Data
  - TNCs
  - Dockless Bicycles and Scooters



# Inter-Agency Working Group

- February 2018: Mayor Muriel Bowser established Inter-Agency Autonomous Vehicle Working Group to proactively prepare the District for AV technologies and ensure that AV deployment will benefit District residents and visitors.
- “Front door” for AV partnerships looking to operate in the District
- Use cases
- Community engagement

# Policy Development

## Scenario Study

- Funded by Council with goal to inform future policy and budget decisions
- DC Sustainable Transportation (DCST) and AECOM
- Modeling future scenarios with Mobilitics tool
- Policy Areas
  - Economy and employment
  - Revenue
  - Infrastructure
  - Environment and public health
  - Safety
  - Disability community
  - Data

## Policy and Regulation

- Council held a Public Roundtable in January
- DMV lead agency for revised legislation



# Ford/ARGO AI Pilot

- October 2019 announcement
- 2019 – 2020: testing phase
  - Safety driver + co-pilot
  - Mapping the city
  - Business use cases
- 2021: anticipated commercial deployment
- Partnership with the DC Infrastructure Academy
  - Jobs and training for District residents
- Terminal in Ward 5



# First-Mile/Last-Mile Pilot

- Southwest Business Improvement District
- Solve an AV challenge: first-mile/last-mile and connection to destinations
- RFI to explore AV along 10<sup>th</sup> Street SW (L'Enfant Plaza)
- Info about companies, vehicles, logistics, cost



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District Department of Transportation