



# District of Columbia: Planning for Autonomous Vehicles

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# DC is leaning into mobility innovation

- 3<sup>rd</sup> busiest metro system, 6<sup>th</sup> busiest bus system in the US
- Most bikeshare stations per capita of a major US city
- First digital dispatch TNC regulatory framework
- Pilots: curbside management, smart cities, performance-based parking, dockless bikeshare & scooters
- Paratransit & TransportDC



# Six levels of automation

Level	Name	Who is Driving?	Who is Monitoring?	Who Intervenes?
0	No Automation			
1	Driver Assist			
2	Partial Automation			
3	Conditional Automation			
4	High Automation			
5	Full Automation			



# DC & Autonomous Vehicles

## Leading

- Early adopter of legislation allowing AVs: 2013
- SharedStreets
- DC acts as a city, a county, and a state

## Testing

- 2<sup>nd</sup> Ford AV city
- Starship Robots sidewalk delivery pilot
- SW BID RFI
- Curbside management

## Learning

- Bloomberg / Aspen Global Initiative on Autonomous Vehicles
- AV Working Group
- Impact Study



# District Autonomous Vehicles Working Group

## Executive

- Deputy Mayor for Planning & Economic Development
- Office of the [Mayor's] Chief of Staff
- Office of the City Administrator

## Public Safety

- Metropolitan Police Department
- Fire and EMS
- Homeland Security & Emergency Management Agency

## Transportation

- District Department of Transportation
- Department of For-Hire Vehicles
- Department of Motor Vehicles

## Equity & Labor

- Office of the Deputy Mayor for Greater Economic Opportunity
- Department of Employment Services

## Special Pop.

- Office on Aging
- Office of Disability Rights

## Technical

- Department of Energy and Environment
- Office of the Chief Technology Officer
- Department of General Services

## Liability

- Department of Insurance, Securities and Banking



# DC's AV priorities

- **Safety** - Reduce driver, passenger, and pedestrian injuries and fatalities, ensure security
- **Equity** - Improve access across geographies and populations, improve accessibility
- **Efficiency** - reduce the inefficiencies and negative externalities of congestion, reduce costs, reduce pollution, improve movement
- **Sustainability** - improve environmental impacts, be financially sustainable, adapt to changes