Making Automated Mobility Work for Cities

Mayors Innovation Project
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Seattle’s challenge

Achieve a mobility future that Seattle wants in an era of uncertainty
Embrace and manage shared, connected, and autonomous vehicles

**4P APPROACH**

**POLICY** Establish a comprehensive set of people-first policy parameters to introduce and manage fully autonomous vehicles

**PLATFORM** Feed connected and autonomous vehicle data into a trusted data network to ensure safe and efficient AV movement

**PILOTS & PROMOTION** Steer the technological and cultural shift from manual operation to automation using pilots and promotions
Creating a future that is...

Walkable and bikeable
Creating a future that is...

Transit-centric
Creating a future that is...
Shared, electric, connected, and autonomous
What is the role of cities in preparation for automated mobility?
Opportunities for cities and automated mobility

Design streets/intersections for people

Seattle or suburbs: Why do we choose to live where we do?

Survey data shows walkability beats affordability as the top priority for residents of central Seattle neighborhoods, in contrast with other parts of the region.
Opportunities for cities and automated mobility

Design streets/intersections for people

https://www.youtube.com/watch?v=r7 lwq3BfkY
Opportunities for cities and automated mobility

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Opportunities for cities and automated mobility
Influence AV legislation

Federal Automated Vehicles Policy
Accelerating the Next Revolution
In Roadway Safety

September 2016

U.S. Department of Transportation
NHTSA
Opportunities for cities and automated mobility

Maximize safety gains

SAE International’s new standard J3016:
Taxonomy and Definitions for Terms Related to On-Road Motor Vehicle Automated Driving Systems
Opportunities for cities and automated mobility

Establish new funding mechanisms
Opportunities for cities and automated mobility

Acknowledge/plan for labor impacts
Opportunities for cities and automated mobility

Reprioritize the public realm
Opportunities for cities and automated mobility

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Reprioritize the public realm
Opportunities for cities and automated mobility

Build places (that are also mobility hubs)
15 key opportunities of automated mobility:

Build places (that are also mobility hubs)
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Design streets/intersections for people
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Consider new form factors
Opportunities for cities and automated mobility

Rethink parking and PU/DO
Opportunities for cities and automated mobility

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Leverage data and make it available