Seattle’s Playbook to Shape Automated Mobility

PSRC Regional Traffic Operations Committee
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Our mission, vision, and core values

**Mission:** deliver a high-quality transportation system for Seattle  

**Vision:** connected people, places, and products

Committed to 5 core values to create a city that is:

- Safe
- Interconnected
- Affordable
- Vibrant
- Innovative

For all
New Mobility

What’s here now?
• Real-time, smartphone-enabled
• Shared mobility services/Mobility as a Service
• Electric vehicles
• Better transit (data & payments)

What’s imminent?
• Automation
• Artificial intelligence
• Drones/robowalkers
• So much more....
SDOT’s Role Within New Mobility

- Anticipatory governance
- Nimble and effective regulations
- Innovation-friendly environment
- Risk management
We have to manage the emerging new mobility system so everyone can benefit from the upsides and we protect against the downsides.
A lens into the future...

Industry shifts...

- Increased emphasis on real-time data
- Increased shared fleet options
- More electric vehicles
- $40 billion investment in automation, connected infrastructure, and fleet services

Replace SOVs with Shared Autonomous Vehicles (SAVs) leads to 90% reduction in vehicles required.

Our Vision

• Shared
• Electric
• Autonomous
• Connected
## What will it take?

### Collaborative Engagement
- Internal and regional working groups
- Industry and workforce roundtables
- Community co-design
- Intensive communications and outreach strategy

### Policy Framework & Adoption
- Guiding principles for automated mobility to shape policy for Seattle
- Address AVs in fleet services
- Collaboration across municipal, state, and federal governments
- Integration of equity considerations and economic impacts

### Physical & Digital Infrastructure
- Data and information infrastructure master planning
- Investments evaluated through lens of security, connectivity, and longevity
- Heightened privacy and security planning

### Pilot testing & partnerships
- Tactical pilot framework
- Technology services bench
- Strategic pilot selection and delivery
Role of Local Government

Update roadway/land use policies

Leverage AV technology to integrate with transit

Adjust the tax/fee structure to disincentivize car ownership

Prioritize equity

Adapt curb use/management practices and parking policies

Develop data infrastructure, protocol, and flow
Getting automated mobility right in Seattle:
Orient toward transit and mobility hubs

Image from switchh Hamburg
Getting automated mobility right in Seattle:

Acknowledge/plan for labor impacts
Getting automated mobility right in Seattle: Community Co-Design

Photo Credit: Seattle Department of Neighborhoods, Dragonfly Street Mural 2013
Getting automated mobility right in Seattle:
Phase in EV charging infrastructure
Getting automated mobility right in Seattle:

Leverage data and make it available

Expand sensor network for connected movement and detection
Getting automated mobility right in Seattle:

Consider new form factors
Thank you!

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