



WASHINGTON STATE
AUTONOMOUS VEHICLE
WORK GROUP

Infrastructure and Systems Subcommittee Report

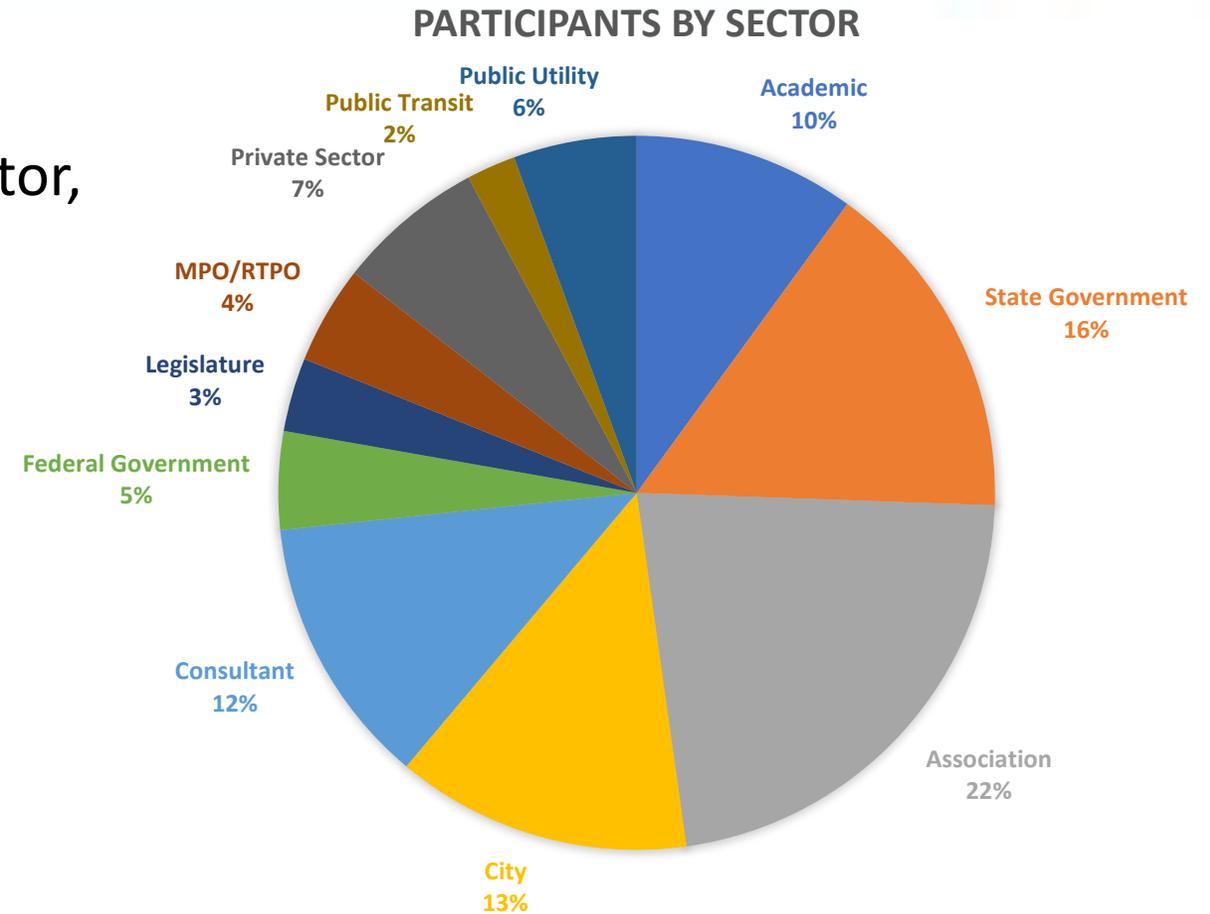
October 24, 2018



Subcommittee Structure and Membership



- Subcommittee Co-Chairs:
 - » Roger Millar, Secretary, WSDOT
 - » Michael Ennis, Government Affairs Director, AWB
- Membership
 - » 56 working members
 - » 44 interested parties
 - » Open membership structure
 - No limit on membership
 - Not a consensus or voting group
 - Information/idea exchange



Meetings to Date



- First meeting held on October 2, 2018
 - » WSDOT Headquarters, Olympia
 - » Over 55 participants attended the meeting
- Next meeting: December 14th
- Plan to meet quarterly after the 2019 legislative session

Major Subcommittee Discussion Points

- Defining the term Cooperative Automated Transportation and the vision for CAT:

*We envision a future where automated, connected, electrified, and **shared mobility** contributes toward a **safe and efficient transportation system that emphasizes public transit and active transportation** and promotes **livable (walkable / bikeable), economically vibrant communities with affordable housing and convenient access to jobs and other activity centers.***

Group Discussion:
Do we have the
right people
around the table?

*Suggestions for
additional
subcommittee
members:*

- Advertising
- Insurance
- Regional WSDOT personnel
- Equity Groups
- Mobility companies (Lyft, Uber, ReachNow)
- Auto Alliance
- Academic/University System
- ASCE Impact Committee – Advertising
- School boards and real estate developers
- Tech companies (Microsoft, Google) Challenge Seattle outreach
- Federal Motor Carrier Safety Administration (FMCSA) and other modal agencies
- Bikeshare/scooter share companies
- Private carriers that deal with large employers

Member Survey Summary



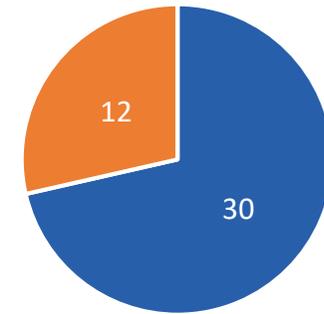
- Survey conducted in advance of subcommittee meeting
- 53 invitations; 42 responses

» **Question:** *Have you been involved in either policy or implementation work related to Autonomous/Automated Vehicle (AV) and Connected Vehicle (CV) technology?*

» **Question:** *How would you categorize your understanding of AV/CV subject area on a scale from 1 to 100?*

- Average score of 64
- 14 responses of 80 or higher

Involved in CAV Work

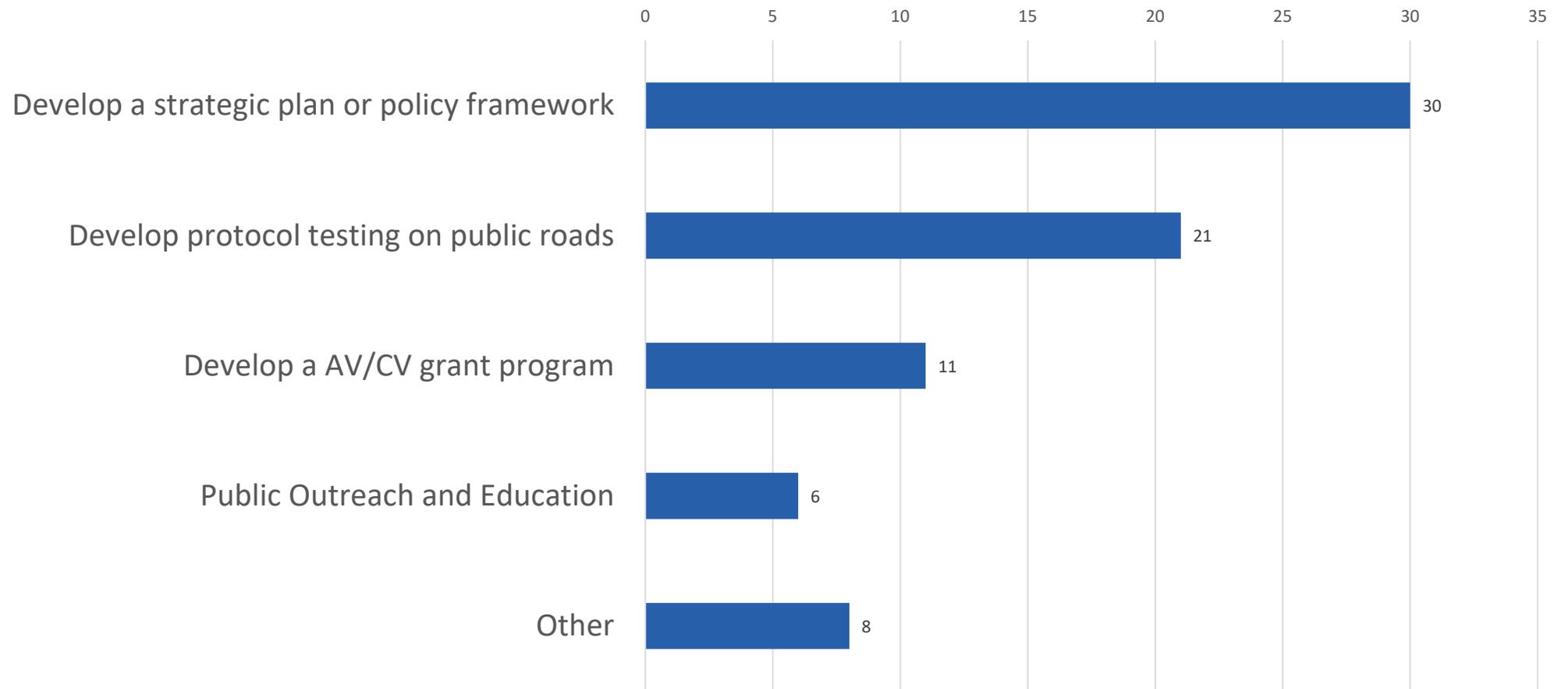


■ Yes ■ No

Priorities for Enabling Policy & Program Survey



Priorities by Number of Respondents



Enabling Policy & Program Survey



Other Ideas Submitted in the Survey

1. Need for Regulatory Framework

- a) Develop a program for Cities and Counties to coordinate with the State in **establishing local regulatory frameworks for AV/CV testing, pilots, and deployment**
- b) Support for local jurisdictions, **consistent regulatory framework**
- c) Protocols and requirements not just for testing of AV technology but also applications of AV technology.
 - (Examples: zero occupancy tax, Sliding scale VMT etc to ensure that AVs improve transportation without adding # of vehicles, VMT and worsening congestion and energy use)
- d) **Safety requirements and infrastructure needs** to prioritize safety.
- e) **Equity implications** of AV technology
- f) **Open Data / Data Sharing / Cyber Security / Data Privacy**
 - Understanding what will happen to the data created by Autonomous Vehicles - will it be given to public agencies for study or use / will it stay within private AV companies / what are the legal, privacy, and protection implications for citizens?
- g) Will infrastructure need to adapt to AV technology or will AV technology be perfected to adapt to the infrastructure?

2. Need Funding for Transportation Infrastructure & Systems

- a) Road Pricing

3. Commute Trip Reduction Act

- a) Cross-reference above with changes to state Commute Trip Reduction Act and include in corridor planning strategies

Near-Term Pilots & Deployments Survey Priorities



Near Term Pilots and Deployments Survey

Other Ideas Submitted in the Survey



1. Data privacy and security
2. Bus platooning
3. Campus bus automation

Group Discussion:

Additional ideas included :

- Enabling legislation for on-road testing
- Delineating state/federal roles for regulation
- Impact on active transportation modes/vulnerable road users
- Shared mobility/impact on curb space
- Mobility equity
- Peer review/peer exchange with other states
- Communications testing (DSRC/5G)
- Revenue impacts and cost of infrastructure readiness

The subcommittee members suggested to focus on two or three feasible and actionable ideas for 2019 and deliver those while learning from the process.

While many additional ideas were captured, subcommittee members suggested to resist the temptation of taking on too much.

Next Steps

- Develop 2019 action plan with input from the survey and meeting discussion
- Distribute draft action plan for review in November, prior to the December 14th subcommittee meeting
- Update as needed based on subcommittee and present action plan at the December 14th meeting
- Note: A final draft of the 2019 action plan will be shared with the Executive Working Group chair prior to the status presentation to the Transportation Commission on December 11/12th.