

Cooperative Automated Transportation (CAT) Coalition Policy, Legislative, and Regulatory Working Group

May 10, 2018 Webinar

Notes and Summary of Discussions

Summary of Action Items

1. **Action Item: Members were asked to review the paper summarizing the seven priority policy issues prior to the June 4th in-person working group meeting.**
2. **Members are asked to attend the June 4th in-person meeting at Cobo Hall during the ITS America Annual Meeting.**

Welcome

Roger Millar (Secretary of WSDOT and Chair of this working group) opened the webinar and welcomed the attendees. Roger noted that this is the first webinar of this newly formed working group. He further noted that he and Michael Cammisa (American Trucking Association) would serve as the Co-Chair for this working group.

A webinar slide deck was used to support the discussions, a copy of the slide deck is being circulated with this summary.

Working Group Overview

Roger presented the portion of the Cooperative Automated Transportation (CAT) Coalition that is focusing on Automated Vehicle activities. This group includes three working groups:

- The Policy, Legislative, and Regulatory Working Group;
- The Planning Working Group; and
- The Infrastructure Industry Working Group.

Prior to March 1, 2018, this group was the Connected Automated Vehicle Executive Leadership Team (CAV-ELT). During the time since March, the working groups have formed and are now conducting their first webinars. The working groups are overseen by the Executive Committee, chaired by Kirk Steudle.

Roger reminded members of the roles originally defined for this working group, and noted that later in the webinar the group would discuss priority actions the group wishes to perform. The roles, as defined when the working group formed include:

- Developer of CAT policy templates;
- Clearinghouse for policy proposals and actions; and
- CAT point of contact for 5 core areas: Licensing, Infrastructure, Liability, Safety and Data Security.

Review of the Seven Priority Issues Identified by the CAV ELT

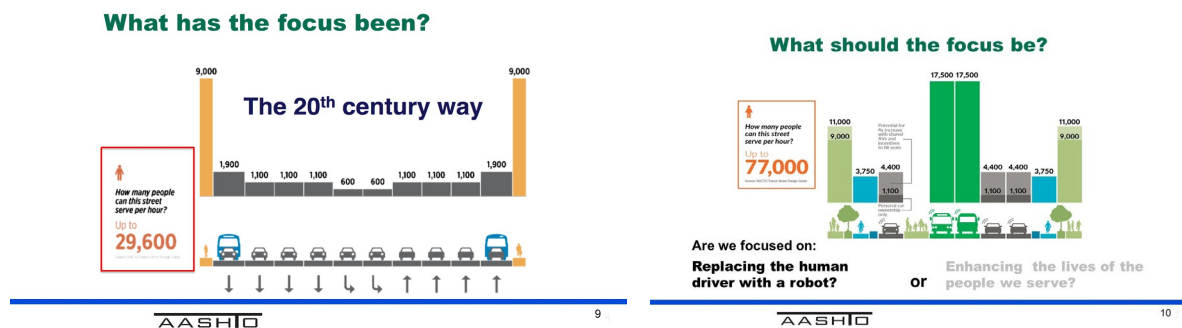
Dean Deeter provided a brief recap of activities in April 2016 when the CAV-ELT followed a prioritization process to identify the seven highest priority policy issues impacting autonomous and automated vehicles. These seven issues included:

1. National Guidelines
2. Early-Stage Risks
3. Interoperability
4. Industry-Government Information Exchange
5. Data Access Provisions
6. Public Outreach and Education
7. Planning Scenarios.

A paper was prepared in 2016 defining each of these issues. This paper was circulated to the working group members immediately before the webinar. An update to this paper is being prepared by Peter Sweatman (CAVita). **Action Item: Members were asked to review the paper summarizing the seven priority policy issues prior to the June 4th in-person working group meeting.**

Keeping the End Goal in Mind

Roger shared a few slides illustrating what the focus has traditionally been for transportation (i.e. building the infrastructure to move the number of vehicles that are traveling – often resulting in numerous lanes of travel) and on what the focus of transportation should be (i.e. enhancing the lives of the people we serve rather than replacing the driver with a robot).



National Overview

Ted Bailey presented a status update on autonomous vehicle activities throughout the United States, giving reference to the Oregon Task Force on Autonomous Vehicles for much of the information, content and graphics. Ted also noted that WSDOT research had compiled portions of the content presented. The slides in the presentation present summaries of:

- States with executive orders on autonomous vehicles;
- States with AV Task Forces or Work Groups;
- States that allow AV testing or deployment;
- States where AV testing has occurred on public roads.

As one example, Ted described how Oregon DOT is currently utilizing a subcommittee approach to produce legislative recommendations by September 2018, focusing on: licensing and registration, law enforcement and crash reporting, insurance and liability, and cybersecurity and long-term effects.

Developing and Prioritizing the Work Plan

Roger (with input from Mike Cammisa) led the working group through a discussion about the priority activities this working group will accomplish in 2018-2019. The goal was to brainstorm “who will lead activities?” and “how will the activities be accomplished?”.

The group discussed candidate Work plan Activity #1: Draft CAT Policy Framework with Policy Statements and Potential Actions that will Lead Toward the Future we Want.

Candidate Work plan Activity #1: Draft CAT Policy Framework with Policy Statements and Potential Actions that will Lead Toward the Future we Want	
1	WSDOT is developing a policy framework to share with the group; work group members will be asked to identify and share similar products based on their work in other states
2	Nat. League of cities is working up some AV and CV scenarios. It is helpful to think through both the autonomous and V2I potential. Will share more of this as they are developed.
3	NCHRP Report #845 (Advancing Automated and Connected Vehicles: Policy and Planning Strategies for State and Local Transportation Agencies) describes CV/AV environments, technologies, possible outcomes (safety, congestion environment, serving underserved) including 18 different policy planning strategies states can look at to ensure they are headed in the right direction. Roger suggested this working group could be a clearinghouse and help share this report with others.
4	National Governors Association (NGA) is working on documenting transportation innovations. In July they will release a roadmap with solutions for governors’ offices to consider. A further update can be provided in July.
5	A group of states along the I-10 Corridor are working on a multi-state truck platooning project and defining cooperative agreements among the states of California, Arizona, New Mexico, and Texas.

The group discussed candidate Work plan Activity #2: Identify Funding Opportunities and Financing Models to Enable Near-term CAT Investments

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1	WSDOT is working towards establishing a state funded CAT enabling grant program with supporting criteria to share with the work group.

The group discussed candidate Work plan Activity #3: Identify Model Regulations that Enable Near-Term Pilots and Deployments

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#	What and Who
1	It was noted that a couple of organizations are working on Model Bills for Autonomous Vehicles. Uniform Law commission (ULC) is putting together proposals this summer, focused on deployment of AVs.
	<p>The ULC has a number of additional initiatives:</p> <ul style="list-style-type: none"> • Model legislation for states to use for AV testing. • Model Data collection to be used as part of AV testing and deployment. <p>It was noted that the ULC is a group comprised mostly of attorneys from all states (DMV, DOT, etc.) that work together to come up with model legislation, with voting structure.</p>

A number of additional topic areas were identified by working group members, as documented in the table below.

Other Topic Areas for the Group to Consider	
1	Maintain a focus on transit aspects of AV. Much of the focus of policy has been on passenger cars.
2	Heavy vehicles, transit, ferries, bicycles all need to be considered.
3	<p>It was noted that USDOT is covering many of these topics. How do we collaborate with them vs. separate conversations?</p> <p>Roger noted that USDOT is a part of this coalition, and is planning a national dialog on highway automation this year. We want to make sure that this working group covers these dialog sessions.</p>
4	<p>It was noted that Infrastructure Data and Asset Management is an important topic area. Many states have robust asset management databases, and it might be useful to add data to this.</p> <p>Roger noted that it will be important to make sure the asset data that DOTs has is available to private sector, and to protect the private data.</p>
5	An important topic is how AVs will interact with traditional traffic control devices. NCHRP is currently conducting a research project on pavement markings and retro-reflectivity, while another NCHRP is just initiating to look at overall infrastructure needs and approaches.

As part of the work plan development, Roger provided a summary of the FHWA National Dialog on Highway Automation, and asked the working group members to comment on which of the five Dialog session members might be able to attend (with the intention of ensuring this working group is represented at each session). The following table summarizes the National Dialog Sessions planned, and working group attendees who are likely to attend.

Month	Event	Location	Focus Area	PLR Working Group Members
June 26-27	National Workshop 1	Philadelphia, PA	Policy and Planning	Dan Veoni, Robert Brown
Week of July 30, 2018	National Workshop 2	Seattle, Washington	Digital Infrastructure and Data	WSDOT team
Week of September 5, 2018	National Workshop 3	Chicago, Illinois	Freight	Steve Boyd, Mike Cammisa
October 24-25, 2018	National Workshop 4	Phoenix, Arizona	Operations	Kevin, Robert Brown
Week of November 12, 2018	National Workshop 5	Texas	Multimodal Safety and Infrastructure Design	<none identified yet>

Working Group Roster Review

After discussing the work plan activities this working group will likely perform in the coming year, Roger led a discussion about the roster, with an emphasis on discussing who is missing from the roster. The following ideas were shared:

- Need more representatives of the infrastructure, for example those related to connectivity (e.g. broadband service providers, etc.);
- Communications carriers such as AT&T, Verizon, Sprint;
- Insurance carriers or large insurance associations;
- Perhaps individual motor carriers for their specific experience;
- Advocates of safety and the disability community; and
- Law enforcement representatives.

Possible June 4th In-person Meeting

Roger noted that space is available during the ITS America annual meeting for each working group to meet during the morning of June 4th. After input from the members that several will be in Detroit for the ITS America Annual Meeting and could attend, it was agreed this working group will meet the morning of June 4th.

The agenda will build on the work plan process started in this webinar.

Member Updates

Roger opened up the floor for members to provide updates on their activities.

- Washington State DOT is standing up a Task Force on AV policy and regulations in Washington State;
- Minnesota is standing up a CAV Advisory Group that will consist of 13 private sector members. A report is expected from this advisory group by December.
- Arizona will release a Law Enforcement Protocol document. Department of Public Safety has worked with a lot of local city police departments and have agreed upon protocols. As the technologies change, they anticipate the protocols will need to be revisited.
- AAMVA will soon be releasing a document to help jurisdictions develop guidelines for safe testing of AVs, and help frame AV testing.
- There is an APWA webinar on June 7th, presenting different perspectives on AV/CV technologies.

Policy, Legislative, and Regulatory WG May 10, 2018 Webinar Participants

- Roger Millar (Chair)
- Mike Cammisa (Co-chair)
- Steven Bayless
- Sue Bai
- Ted Bailey
- Stephanie Beeman
- Scott Belcher
- Kevin Biesty
- Stephen Boyd
- Ed Bradley
- Robert Brown
- Stephen Buckley
- Matt Burchard
- Cian Cashin
- Kathleen Davis
- Dean Deeter
- Ray Derr
- Eric Douglas
- Paul Feenstra
- Rob Garris
- Mark Gielow
- Roy Goudy
- Bill Gouse
- Hideki Hada
- Rebecca Hunter
- Brittney Kohler
- Levi Nathan
- AnnMarie Lewis
- David Liu
- Russ Martin
- Jonathan Morris
- Gummada Murthy
- John Nisbet
- Will Otero
- Matt Peak
- Neil Pedersen
- Patty Robins
- Michael Shulman
- Caroline Sevier
- Megumi Suzuki
- Edward Thai
- Gurunath Vemulakonda
- Dan Veoni
- Charlie Zelle
- Pat Zelinski