

Governor's Advisory Council on Connected and Automated Vehicles

February 18, 2020

Minnesota Department of Transportation, TEC Center

9:00 a.m. – 12:00 p.m.

Council members present: Margaret Anderson Kelliher, Amber Backhaus, Connie Bernardy, Todd Biewen (on behalf of Laura Bishop), Danielle Elkins (on behalf of Jacob Frey), Tina Folch, Jason Gadd, Michael Gorman, John Hausladen, Shawn Lowry (on behalf of Dan Chen), Phil Magney, Laurie McGinnis, Kevin McKinnon (on behalf of Steve Grove), Jason Metsa (on behalf of Mark Philips), Myrna Peterson, Damien Riehl, Alice Roberts-Davis, Patrick Weldon, Anne O'Connor, Emily Jerve (on behalf of Thom Petersen)

Others present:

Kevin Chan, Nancy Daubenberger, Margaret Donahoe, Maynard Factor, Skip Foster, Bill Goines, Tom Hoene, Cathy Huebsch, Hayden Johnson, Jukka Kukkonen, Michael Kronzer, Ben Lowndes, Tammy Meehan-Russell, Bryan Nemeth, Tara Olds, Kody Olson, Dan Rowe, Sara Sargent, Kian Sebeti, Michael Wenger, Kristin White

I. Welcome, Review Council Visioning, Mission and Priorities

Chair Margaret Anderson Kelliher welcomed council members, guests and the public to the third Governor's CAV Advisory Council meeting under Executive Order 19-08. Minutes from the January 22nd meeting were approved. Goals of the meeting are to gain consensus on the Council's mission, vision and values, discuss an alliance and finalize the Governor's Annual Report.

II. Current CAV Project Update: Autonomous Truck Mounted Attenuator

Starting at this meeting and in future meetings, the Council will be briefed on CAV project and hot topics from the Office of Connected and Automated Vehicles (commonly referred to as CAV-X) and industry members. At this meeting, Maynard Factor from Kratos Defense discussed the national work being conducted on autonomous truck mounted attenuators (ATMAs) — an autonomous mobile crash barrier used for protecting maintenance vehicle operators. Minnesota is researching this technology this summer to mitigate the 70 injuries and 52 crashes that occur each week with maintenance staff in these vehicles. MnDOT is working with Kratos to improve the safety of maintenance workers. As of February 18, 2020 Minnesota is one of 13 states participating in an ATMA pooled fund, which is a national consortium working on these technology advancements. The Council discussed the service and maintenance costs of these technology advancements and the life-cycle costs of these newer technologies.

III. Review Council Vision, Mission and Priorities

The Council continued conversation of their vision, mission and priorities. For this meeting, the goal was to come to a consensus especially, on the priorities. To achieve this goal Council members were polled in real time via Mentimeter. The Council discussed the importance of equity and safety in their vision and

mission. The Council also made several changes to the draft mission and goals to reflect their priorities for workforce development and developing a clear legal and regulatory environment.

The Council's updated vision, mission, values and goals are reflected in its Charter document, available on their website at <http://www.dot.state.mn.us/automated/advisorycouncil.html>

IV. Minnesota's Innovation Alliance

The Council discussed the creation of a Minnesota Innovation Alliance to ensure there is unified collaboration across Minnesota's CAV efforts. The Council decided to delay a decision on creating an alliance until the Council is more established. Members questioned whether there is a need for multiple subcommittees and what the alliance would be called, however it agreed that we need to bring in users to test technologies to ensure technology meets the needs of Minnesotans. The alliance should also focus on education and work with the university to plan conferences and events. Members agreed that a regular educational CAV webinar should be hosted, which MnDOT's CAV office is looking into opportunities with the *Minnesota Guidestar Board of Directors Transportation Technology and Trends (T3) forum*.

V. CAV Annual Report

Executive Order 19-08 requires the council to submit a report to the Governor on February 1st. Since the current council had only met once prior to the January 20th meeting, MnDOT leadership and CAV-X developed a report on the Council's behalf.

At this meeting, CAV-X Office Director, Kristin White, presented the reporting requirements and the report structure. The Council asked for an updated from MnDOT at the next meeting on the Governor's CAV priorities. The public also inquired whether the report addresses hyperloop technology. Ms. White informed the Council that it is not included in this report but could be addressed in the future.

VI. Future Council Meetings

The Council is required to meet 4 times a year and will have met this requirement when it meet in Rochester in May. The Council agreed that more regular meetings are needed and the Council expressed a desire to support MnDOT and CAV efforts statewide. The Council agreed to quarterly meetings with the ability of the Interagency CAV Team to work in between meetings. The Council requested: (1) recommendations for items the Council needs to make decisions on; (2) policy recommendations; and (3) official feedback the Council can provide to help move this work forward. Members expressed a desire to "roll up their sleeves and get to work."

VII. Public comments

Jukka Kukkonen from St. Thomas University requested future Council discussion include electric vehicles. Tammy Meehan Russell from the Plum Catalyst expressed disappointment in the Council's decision to not move forward with an Innovation Alliance. Ms. Meehan Russell thinks an alliance will position Minnesota as a leader in the CAV space. She noted that we need to "build the ship while we're sailing it" so we should not wait to build an alliance. The next meeting the Council should discuss the key attractions to come to Minnesota to partner with us on ACV testing and technologies.