

# MEETING SUMMARY

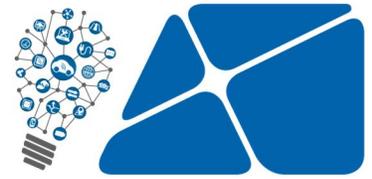
## MEETING ATTENDEES

Attendee	Representing	Committee/Friend/Guest
Best, Sue	NC Dept. of Insurance	Committee
Blackwood, Charles	Sheriff of Orange County	Committee
Blue, Chris	NC Chiefs of Police Association	Committee
Church, Chuck	NC Dept. of Motor Vehicles	Friend
Clamann, Michael	UNC-Highway Safety Research Center	Committee
Collins, Crystal	NC Trucking	Friend
Congleton, John	NC Dept. of Justice	Committee
Dale, Jeff	Kimley-Horn	Guest
Ezzell, Mark	NC Governor's Highway Safety Program	Friend
Gallup, Anna	CDOT – Reginal Modeling	Guest
Good, Amanda	Kimley-Horn	Guest
Hardin, John	NC Dept. of Commerce	Committee
Jernigan, Dennis	NC Turnpike Authority	Friend
Jessup, Torre	NC Dept. of Motor Vehicles	Friend
Kath, Jamie	NC Dept. of Motor Vehicles	Guest
King, Kristina	Kimley-Horn	Guest
Lacy, Kevin	NC Dept. of Transportation	Friend
Langley, Michael	Pepsi Co	Committee
Moore II, William P.	NC State Highway Patrol	Committee
Moore, Thomas	General Motors (GM)	Committee
Nance, Michelle	Centralina COG	Guest
Shepard, Phil	NC General Assembly	Committee
Smith, Debbie	NC League of Cities	Committee
Steinman, Paul	HNTB (PENC)	Guest
Torbett, John	NC General Assembly	Committee
Tyler, Mark	NC Dept. of Motor Vehicles	Guest
Wagers, Jason	Centralina COG	Guest

## MEETING NOTES

Meeting attendees were welcomed to the meeting and Amanda Good provided a brief outline of the meeting agenda and a recap of committee and working group activities to date.

After presenting the Infrastructure Working Group's comments and suggestions to the committee, conversation was held about the importance or lack thereof regarding an AASHTO decision on 5G vs DSRC technology. Kevin Lacy shared with the committee that indecision has been very costly to the



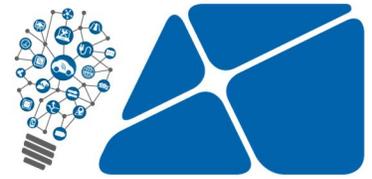
state with direct impacts to safety. Thomas Moore shared with committee members that the decision isn't stopping or hindering industry from coming to NC – several manufacturers are using 5G, DSRC, or both. Thomas stated that having an official decision promotes flexibility in the industry and does not preclude specific manufacturers. Thomas also shared that major communication companies are planning to implement 5G infrastructure in several major metropolitan areas across the US in 2019. Kevin Lacy shared concerns that it will take a long time for 5G to spread across the country, especially to more rural parts of NC, and that it may be possible to have a combination of technology depending on a variety of parameters. Kevin Lacy concluded by sharing whether we elect to choose one or both, we are continuing to stall opportunity and lifesaving technology. The Town of Cary has partnered with the NCDOT to implement a DSRC installation on NC 55 to support testing and grow the existing test bed currently in place on the adjacent toll facility. It was suggested that the Committee would sponsor a DSRC and 5G education session to help share current initiatives and opportunities of both communication solutions.

**Recommendation/Action Item: Provide informational content and webinars about 5G vs. DSRC.**

Following the discussion of DSRC vs. 5G, Amanda Good introduced the list of studies and projects recommended by the Operations Working Group. Both Kevin Lacy and Debbie Smith stressed the importance of the scenario planning and boundary exploration study to better understand the impacts of mobility improvements and CAV technology. Representative Torbett asked how the current statutes and changes have been received by the industry. Thomas Moore shared that NCDOT and the NCGA have been very helpful for both CAV testing and general testing (referencing testing on the *Tail of the Dragon* in western NC). Amanda Good shared with the committee that a full list of recommended operational projects and studies will be sent to the working group and a vote will be performed to determine the top 5 that should move forward.

**Recommendation/Action Item: Share list of projects and studies with Operations working group for voting. Report Top 5 items back to the full committee.**

Discussion was held about the recommendations from the Business Working Group to define liability limits and increase NC's attractiveness for testing CAV technology. Thomas Moore shared that the current limits on liability are serving General Motors well and he does not believe they require modification at this time. It was suggested that the Committee reach out to industry and ask what they need in order to promote vehicle testing in NC. Thomas shared that NC has been very amenable for testing CAV; however, there are many things that play into being a good test site including: natural elements such as weather consistency and predictability. The southeast in general



can be a challenging environment as most trips require a portion of freeway travel and current limitations cap the vehicle speed of AV at 35 mph.

**Recommendation/Action Item: Recruiting industry partners if that is the desired direction.**

The Research Working Group recommendation to maintain a central repository of all research and activities was well received by the committee. The UNC Highway Safety Research Center has offered to support getting the repository established within the NCAV.org web site. It was suggested that the committee reach out to the NCDOT unmanned systems group to share information regarding research and initiatives. Dennis Jernigan shared that in addition to the items listed in the presentation, it is very important that there be an official person or group within one of the departments that is solely responsible for serving as the repository for all CAV initiatives. Additionally, Dennis stated that NC should decide whether it will actively recruit CAV industry or if the state will continue to sit back and wait for CAV industry to come.

**Recommendation/Action Item: Work to create a central repository of research activity within the state as well as create a single person/group responsible for CAV initiatives.**

The Legislative Working Group stressed the importance of an official announcement stating that North Carolina is open for business be made by the governor and/or the general assembly. The recommendation was supported by the committee. It was suggested that this be the governor AND the NCGA to confirm the commitment level of the state.

**Recommendation/Action Item: The Governor AND the General Assembly should make a public statement sharing that without any uncertainty, North Carolina is open for testing and operations of CAV technology.**

Finally, Amanda Good concluded the meeting sharing that all working groups had a commonality: dedicated funding. The committee acknowledged this statement, and discussion was held about how to potentially secure some amount as part of the next state budget. Amanda Good and Kevin Lacy thanked the committee members for their time, and the meeting was adjourned.

**Recommendation/Action Item: Share final report with all recommendations to the NCGA.**