

MEETING SUMMARY

Meeting Details

March 29, 2018

1:30p-4:30p

Legislative Office Building (LOB), Room 544

MEETING SUMMARY

Introductions and Formation of the Committee

State traffic engineer Kevin Lacy welcomed the committee and provided background information about the recently completed NCDOT CAV Roadmap. Members of the committee provided a brief introduction of themselves and the organization they represented.

Current Activities in the State

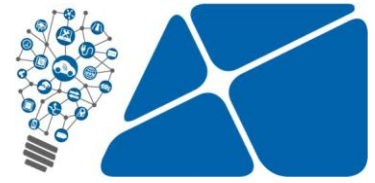
Beau Memory, with the North Carolina Turnpike Authority (NCTA) informed the committee of the NCTA Proving Grounds and the unique opportunity it offers the state. He also shared that NCTA recently partnered with GM to test the Cadillac Super Cruise technology along the Triangle Expressway. He shared that the NCTA is excited about the opportunity this Committee will provide to learn more about AV technology, stay abreast with ongoing advancements, and understand how our infrastructure will need to work with the technology.

Amanda Good with Kimley-Horn gave a brief overview of the activities and research occurring at various universities across the state including the NC A&T Challenge, Duke University's laboratory and human factors research, NC State's ECO PRT, and the various research projects occurring at the UNC Highway Safety Research Center.

Skip Yeakel with Volvo informed the committee of the work going on globally, and the recently tested platooning technology for commercial trucks in NC.

Review of SCORE Analysis

Amanda Good introduced the S.C.O.R.E. activity and thanked everyone for taking the time to complete it in advance of the meeting. She then shared that safety was an underlying theme of each category, before providing a brief overview of the other components and sharing the SCORE handout (attached) with the full survey responses.



Expectations of the Committee

Jeff Dale summarized the expectations the Committee members shared through the online survey, and opened the floor for Committee discussion about other expectations.

Committee members discussed various items that they would like to see come out of the FAV Committee, including:

- the importance of highly automated vehicles while the fully AV technology progresses
- involvement from/with the Governor's Highway Safety Program (GHSP)
- presentations from the private sector and technology suppliers within the state of NC as well as others outside the state
- a single clearinghouse for sharing of information provided by Committee members and from third parties
- understanding lessons learned from states already testing AV technology
- understanding the manufacturer's timelines for implementation
- the opportunity to test and model various scenarios
- impacts of infrastructure needs
- understanding how the NC can help OEMs and other industry partners more quickly advance AV technology
- how to include the future of AV in federally required planning documents

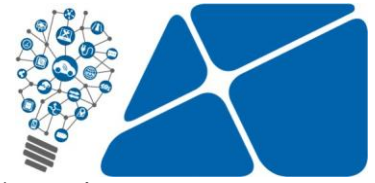
Prior to taking a break, Jeff Dale explained the preliminary working groups: business, infrastructure, legal, and research and asked that committee members cast their support and interest in specific working groups by placing a sticker beside the working groups they would like to be a part of, as well as identify any they feel are missing.

Identify Working Groups

Based on the information received during the working group activity:

- The infrastructure working group garnered the most votes for involvement.
- Both a safety and operations working group were suggested as additional working groups.
- By consensus, the Committee opted to rename the Legal Working Group to become the Legislative Working Group.

The committee discussed whether the safety working group should be a standalone group or if it should be incorporated as a facet of the other working groups. The committee also discussed



potential members and leaders for each working group, as well as any organizations who may want involvement in the future such as NC Broadband and public transportation. A *Working Group Recommended Membership* handout (attached) was provided to committee members that allowed them to recommend names or to volunteer themselves for participation in each of the working groups.

Committee Work Plan Development

Moving forward, it was decided by consensus that the next full committee meeting will likely occur after July 4th and will provide the option for video/conference participation. Amanda Good requested that each Committee member provide their preferred communication method moving forward if other than direct emails. This includes other staff they may wish to be copied on committee correspondence.

Recap and Action Items

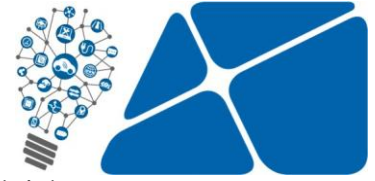
Jeff Dale recapped the key meeting items and action steps for moving forward. These items are included in the list below.

- Determine a means to provide a library of relative information
- Provide Doodle Poll for next meeting (mid to late July)
- Develop working group definitions
- Begin drafting working group rosters
- Create a working group initiation packet
- Initiate working group meetings
- Identify potential presentations and panels for upcoming committee and working group meetings
- Identify any urgent items that are schedule dependent and front load them within the activities

Closing Remarks

Representative Torbett shared with the committee that the State fully intends to move forward regardless of whether there is federal funding assistance, and any outside funding for AV testing will be viewed as “whipped cream or dessert.”

Secretary Trogon thanked everyone for attending the meeting and for actively participating. He shared that his number one concern moving forward is that we may not reach quickly enough or



be prepared enough for AV technology, which is why the FAV Committee is of high importance to ready the State and hopefully get ahead of the technology along the way.



NORTH CAROLINA

FULLY AUTONOMOUS VEHICLE COMMITTEE

WELCOME MEETING

March 29, 2018

www.ncav.org







Formation of the Committee



Safety is our Driving Concern





Activities Across the State



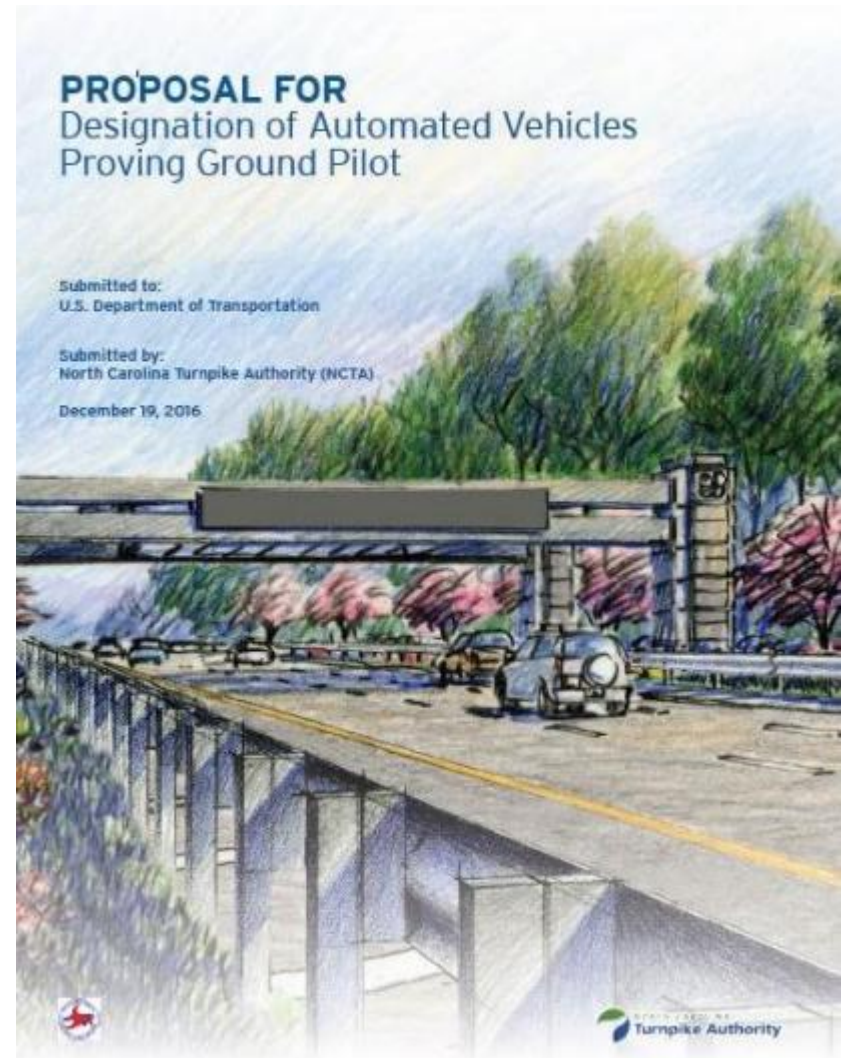


NCTA Proving Ground

- 1 of 10 sites chosen (out of over 60 applicants)
- partnerships and stakeholders
- leading infrastructure and technology

What will be looked tested?

- Real World Conditions
- Work Zone Traffic Control
- Incident Management
- All-Electronic Tolling
- Big Data Analysis





NC A&T Challenge



Image Source: <http://www.ncat.edu/news/2017/04/gm-autonomous-vehicle-competition.html>



Other Activities in NC





BREAK





Recap Preparatory Materials



Preparatory Material

NORTH CAROLINA
FULLY AUTONOMOUS VEHICLE COMMITTEE

HOMework

Help us understand what you feel are your agency's strengths, challenges, opportunities, risks, and expectations with respect to advancing autonomous vehicle technology in North Carolina?

S.C.O.R.E.

STRENGTHS. CHALLENGES. OPPORTUNITIES. RISKS. EXPECTATIONS.

Provide your feedback using the link below
https://www.surveymonkey.com/r/AV_SCORE



S.C.O.R.E Results





Expectations of the Committee



COLLABORATIVE
ENVIRONMENT

INFORMATION
SHARING



EDUCATIONAL TOOLS

RECOMMENDATIONS
TO NCGA AND
GOVERNOR'S OFFICE





Working Group Activity



- BUSINESS
- INFRASTRUCTURE
- LEGAL
- RESEARCH
- OTHER

BUSINESS
WORKING GROUP

INFRASTRUCTURE
WORKING GROUP

LEGAL
WORKING GROUP

RESEARCH
WORKING GROUP

OTHER
WORKING GROUP
(PLEASE SPECIFY)





BREAK



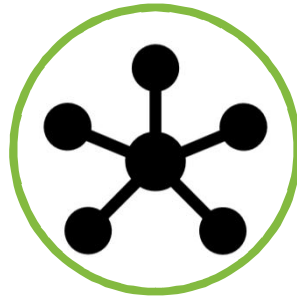
Preliminary Working Groups



Committee Work Plan Development



Schedule



Team
Structure



Stakeholders



Communication
Protocol





Recap and Action Items



Next Meeting