



# MEETING SUMMARY

## MEETING ATTENDEES

Attendee	Representing
Jamal Alavi	NC Department of Transportation
Jeff Barghout	Robocist, Inc.
Richard Bishop	Bishop Consulting
Ryan Brumfield	NC Department of Transportation
Amna Cameron	NC Department of Transportation
Thomas Chase	Institute for Transportation Research and Education
John Congleton	NC Department of Justice
Starla Couso	Kimley-Horn and Associates
Jeff Dale	Kimley-Horn and Associates
Mark Ezzell	NC Governor's Highway Safety Program
Amanda Good	Kimley-Horn and Associates
Wayne Goodwin	NC Division of Motor Vehicles
John Hardin	NC Department of Commerce
Ben Hughes	NC Department of Transportation
Travis Ingold	NC State Highway Patrol
Dennis Jernigan	NC Turnpike Authority
David Jones	HNTB
Martin Kinnamon	City of Charlotte
Brian Mayhew	NC Department of Transportation
Thomas Moore	Cardinal Government Affairs on behalf of General Motors
Drew Moretz	Brooks Pierce
Justin Owens	UNC Highway Safety Research Center
John Policastro	NC Automobile Dealers Association
Jacob Rigg	Regional Transportation Alliance
Katy Salamati	SAS
Robert Sawyer	NC Division of Motor Vehicles
Judy Schmidinger	NC Division of Motor Vehicles
Chris Schmidt	NC Department of Commerce
Sarah Searcy	NC Department of Transportation
Kevin Tobias	Pennsylvania Department of Transportation
Brandon Vick	NC State Highway Patrol
Sarah Yager	May Mobility

## MEETING NOTES

Attendees were welcomed and a brief outline of the meeting agenda was provided. Today's meeting included three presenters: Kevin Tobias from the Pennsylvania Department of Transportation, Richard Bishop from Bishop Consulting, and Sarah Searcy from NCDOT's



Integrated Mobility Division (IMD). The meeting also included an update on the CAV Strategic Plan by Jeff Dale from Kimley-Horn and Associates.

### *Automated Vehicle Incident Response Plan – Kevin Tobias*

Kevin Tobias explained that PennDOT created a mobile app to manage data related to registered AVs, which include personal delivery devices (PDD), operating in Pennsylvania. The data is accessible by first responders arriving at the scene of an incident and provide pertinent details that could be useful for their response.

#### **Key Points**

- The application is currently only being used in Pennsylvania.
- Entities testing or operating an AV in PA should submit and register the required vehicle information with PennDOT.

### *Automated Driving in 2024: Launching and Ramping – Richard Bishop*

Richard Bishop provided an overview of current—Society of Automotive Engineers (SAE) defined—automated vehicles operating at Level 3 automation. There are a wide range to technology applications in the United States and internationally, and they each are progressing on a variety of implementation timelines related to new deployments. Automated technology has already permeated the following markets: transportation, manufacturing, freight, agriculture, and construction/mining.

#### **Key Points**

- Individual car drivers can now access autonomy.
- Robotaxi services are scaling up at a rapid pace.
- Commercial vehicles and freight movement are an active domain for the launch and uptick in driverless vehicles.

### *Connected and Automated Vehicle Update – Sarah Searcy*

Sarah Searcy gave an update on connected and automated vehicle activities that NCDOT IMD has led. The updates included an overview of the following topics:

- CASSI at UNC Charlotte was a 23-week pilot from July 12 through December 21, 2023.



- Future projects will explore Automated Driving System (ADS)-equipped conventional vehicles and newer generation “purpose-built” vehicles.
- The Request for Information (RFI) on Automated Transit Vehicles is seeking to build on NCDOT’s knowledge for the next generation of automated vehicle pilot projects and use the findings to inform the selection of new vehicles, locations, use cases, and vendors for future projects.
  - Issue Date: January 25, 2024
  - Response Due Date: March 7, 2024
- Discretionary Grant Applications
  - NCDOT’s Connected, Rural, Equitable, and Autonomous Transportation for Everyone (CREATE) proposal to the FY 2023 USDOT Advanced Transportation Technology and Innovation (ATTAIN) Program would pilot the future of advanced transportation technologies in Wilson, North Carolina.
  - NC A&T’s proposal to the FY 2023 USDOT Strengthening Mobility and Revolutionizing Transportation (SMART) Program would build on previous work with automated shuttles to explore on-demand ride requests, develop new routes, and implement Vehicle-to-Infrastructure (V2I) communications.
  - The Rural Autonomous Vehicle (RAV) Research Program is a competitive six-year program with two tracks (moving people and moving freight) and a three-phase approach from research to demonstrations to deployment.
    - Issue Date: December 12, 2023
    - Response Due Date: March 13, 2024
- N.C. Transportation Summit – “Tech Day”
  - At the 2024 N.C. Transportation Summit, NC A&T will host a “Tech Day” at their Aggie Auto test track and facilities. The following agencies have confirmed their participation: NC State, Greensboro Transit Authority, and NCDOT’s Division of Aviation.

### **Key Points**

- NCDOT IMD continues to explore ways to use and improve experiences through AV technologies vis-à-vis partnerships with universities, businesses, and other agencies.
- Through the RAV Research Program, USDOT is interested in exploring and understanding how AV can serve rural areas.



### *Strategic Plan Update – Jeff Dale*

Jeff Dale explained that—at this moment—NCDOT desires to establish a functional framework that can promote enhanced collaboration, education, and transparency in support of advancing AV technology in the state. The Core Team has decided to pause the finalization of the CAV Strategic Plan and shift the focus towards creating procedures and processes that better support these efforts within NCDOT. With a variety of groups already touching CAV/FAV initiatives, identifying a formal process to share information and coordinate efforts is the immediate next step.

#### **Key Points**

- A draft framework outlining these processes will be presented at the next FAV Committee Meeting on Thursday, May 16, 2024.

### *Upcoming Meetings*

Amanda Good closed the meeting by highlighting the following future meeting dates:

- 2024 FAV Committee Meetings
  - May 16, 2024
  - August 21, 2024
  - November 14, 2024