Subcommittee on Road and Infrastructure Design  
February 25, 2019

Attendance

Subcommittee Members: Marie Dodds, Eric Hesse, Richie Huang (alternate for Sean Waters), Jana Jarvis, Carrie MacLaren, Galen McGill, Eliot Rose, Paul Savas, Becky Steckler

Other Task Force Members: Brett Morgan (alternate for Rep. Susan McLain)

ODOT Staff: Jenna Adams-Kalloch, Andrew Dick, Ali Lohman, Amy Joyce, Sarah Kelber, Michael Rock

Public: Becky Gilliam

Introductions

Subcommittee Lead Galen McGill welcomed the group and led introductions.

Review of Scoping Results

McGill reviewed the results of the scoping exercise that took place at the task force meeting on Dec. 4, 2018.

Federal and State Roles

Andrew Dick reviewed the following guidance and research on road and infrastructure design for automated vehicles:

- Manual on Uniform Traffic Control Devices (MUTCD) updates
- American Association of State Highway Transportation Officials (AASHTO) Green Book
- Society of Automotive Engineers (SAE) Infrastructure Needs Related to Automated Driving
- National Cooperative Highway Research Program (NCHRP) 03-127: Cybersecurity of Traffic Management Systems
- NCHRP 20-102: Impacts of CAVs on State and Local Agencies
- NCHRP 20-102(06): Road Markings for Machine Vision
- NCHRP 20-102(15): Impacts of CAVs to Highway Infrastructure
- NCHRP 20-102(21): Infrastructure Modifications to Improve Operational Domain of AVs
- NCHRP 20-102(24): Infrastructure Enablers for CAVs and Shared Mobility –Near-Term and Mid-Term
- NCHRP 03-126: Operational Standards for Highway Infrastructure

For details, see slides 7-19 of the meeting presentation.

McGill discussed the differences between and DSRC and 5G cellular technology. He explained that the federal government maintains a technology-neutral stance toward those technologies.

Revisions to Scoping Doc and Discussion of Final Product

McGill presented a list of possible final product goals that could be accomplished by September. The subcommittee members decided to consolidate this list into two documents:
• A document investigating national guidance, national initiatives to develop guidance and what other states or local jurisdictions are doing related to road and infrastructure design
• A document researching short- and long-term possible areas of investment needed and focus for road operators

**Next Steps**

ODOT staff will produce the first memo on existing state and national guidance. Subcommittee members can provide any examples they would like to include to ODOT staff through the task force email address.

Eliot Rose will develop the memo on areas of potential investment for infrastructure operators.

The subcommittee will meet again to discuss progress with these memos and scope at 9:30 a.m. April 1, 2019, and a full task force meeting will follow in late April or early May.