

HAV Advisory Committee Summary

Date / Time / Location	T 14-April-2020 / 1300-1430 / Skype Meeting
Attending/ Representing	<p>HAV Advisory Committee: Meredith Biggica (MB), Steve D’Ettorre (SD), Eric Donnell (ED), Thomas Foley (TF), Melissa Froelich (MF), Jason Gerard (JG), Yassmin, Gramian (YG), Gerardo Interiano (GI), Erik Johanson (EJ), Ted Leonard (TL), Jennifer Liptak (JL), Shannen Logue (SL), Samuel Mclaughlin (SM), Michael Pack (MP), Alison Pascale (AP), Lt. Col. Scott Price (SP), Nolan Ritchie (NR), Matt Rucci (MR), Frank Snyder (FS), Kelley Yemen (KY)</p> <p>Additional Attendees: Mark Kopko (MK), Sarah Clark (SC), Roger Cohen (RoC), Dan Corey (DC), Oliver Kerwin (OK), Mark Kopko (MK), Joseph Murzyn (JM), Kurt Myers (KM), Ngani Ndimbie (NN), Brian Reed (BR), Abraham Smith (AS), Jodie Stuck (JS), Kara Templeton (KaT), Kevin Tobias (KeT), Rachelle Celebrezze (RaC)</p> <p>PennDOT Consultant Team: Jeff Bergsten (JB), Scott Seibel (SS)</p>

Key Points and Decisions:	Action Items:
<p>1. Review of Last Meeting (YG)</p> <ul style="list-style-type: none"> a. The 02/12/2020 meeting minutes were approved as there were no comments from the committee. b. Year 1 Report (MK) <ul style="list-style-type: none"> i. The annual report of the Michigan Department of Transportation Mobility Group is serving as a template in drafting the Year 1 Report. ii. PennDOT will complete a draft of the Year 1 Report by end of May and it will need to be reviewed by this committee. iii. PennDOT is required to provide public access to this report 	<ul style="list-style-type: none"> ➤ PennDOT distribute meeting minutes within 5 working days of this meeting ➤ PennDOT provide a draft Year 1 Report to the committee by the end of May 2020 ➤ Committee review draft Year 1 Report and respond within 2 weeks of receiving the draft ➤ PennDOT post the Year 1 Report on their website
<p>2. Communications and Engagement Plan (MK)</p> <ul style="list-style-type: none"> a. To initiate the communications and engagement plan, two surveys will be conducted that will set the foundation for the Communications and Engagement Plan. b. Local Municipalities and Commonwealth Survey <ul style="list-style-type: none"> i. The purpose is to understand PA municipalities perceptions and engagement levels of emerging technology – AVs, Electric Vehicles, and drones. ii. PennDOT will coordinate with DCED regarding the review and distribution process of the survey. iii. Coordination should be done with the locally owned bridge survey (POC: Mark Tobin) to ensure it is complete prior to sending out the HAV municipal survey. c. Public Engagement Survey <ul style="list-style-type: none"> i. The purpose is to gauge the public’s level of understanding of AVs, their level of comfort, and their expectations. ii. The following additional elements will be incorporated into the draft public engagement survey: <ul style="list-style-type: none"> 1. Level of interaction with fully-automated vehicles (to gauge the public’s understanding of what an AV is) 2. Comfort of being around heavy vehicle AVs in a non-automated vehicle 	<ul style="list-style-type: none"> ➤ PennDOT revise survey to include elements identified under Section 2.c.ii in the Summary ➤ PennDOT distribute updated draft survey within 5 working days of this meeting ➤ Committee provide comments on draft surveys by 05/04/2020

<ul style="list-style-type: none"> 3. Comfort of being around AVs in a non-automated vehicle, as a cyclist, and as a pedestrian 4. Need for mobility for users unable to drive a vehicle 5. Comfort level of using various vehicle features d. PennDOT will coordinate with the State Municipal Associations and compare survey results with other surveys that have taken place. e. PennDOT is in coordination with the State of Maryland and inquired about their success in putting together the Maryland survey for public awareness of connected vehicles. In addition, PennDOT will work with other entities to make they are knowledgeable of what surveys have already been completed. f. In addition to the online survey, PennDOT will explore making paper surveys available at various locations such as welcome centers, rest stops, and within publications and newsletters. g. Surveys are planned to go out to the public this summer, depending on how COVID-19 progresses. 	
<ul style="list-style-type: none"> 3. Public Transportation Platoon Research Proposal (MK) <ul style="list-style-type: none"> a. Research project proposed by Nolan Ritchie during the 02/12/2020 committee meeting. b. The following project tasks were accepted by the committee for the PA AV Taskforce to complete: <ul style="list-style-type: none"> i. Task 1 – External Information Gathering ii. Task 2 – Identify Need and Location(s) iii. Task 3 – Determine Level of Investment and Timeline iv. Task 4 – Document Potential Impacts v. Task 5 – Determine Feasibility and Recommended Next Steps vi. Task 6 – Develop Research Report <ul style="list-style-type: none"> 1. Findings will be presented to the committee in 2021 	<ul style="list-style-type: none"> ➤ PennDOT work with the PA AV Taskforce to initiate public transportation platoon research
<ul style="list-style-type: none"> 4. AV Testing Guidance 2.0 (MK) <ul style="list-style-type: none"> a. Comments on the document are currently being accepted until the end of April 2020, after which a resolutions matrix will be completed. b. PennDOT is extending authorization for testers due to COVID-19. c. Possible changes proposed by PennDOT: <ul style="list-style-type: none"> i. Adding clarification between ADAS and ADS ii. Adding “Government Officials” and “Members of the Media” as passenger reporting exemptions iii. Adding Language to allow for an independent internal review body for the enhanced driver training plan iv. Adjusting overall hours of experience for the enhanced driver training plan as well as additional requirement adjustment v. Considering the replacement of mission failures with a metric related to Safety Operator response rate vi. Adding an optional element for testers to release open data sets 	<ul style="list-style-type: none"> ➤ PennDOT extend authorization for testers
<ul style="list-style-type: none"> 5. Open Discussion (YG) 	<ul style="list-style-type: none"> ➤ PennDOT present framework for roadmap of Vehicle Code

<ul style="list-style-type: none">a. PennDOT is working on putting together a plan on how to evaluate and update the Vehicle Code.b. Initial steps have been taken to frame out the workforce development plan for the trucking and automotive technicians. Once these initially targeted industries are framed out, the plan will expand upon additional industries.c. Upcoming HAV Advisory Committee Meeting – Wednesday 12-August-2020	updates at the next committee meeting (08/12/2020)
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