MARYLAND CONNECTED & AUTOMATED VEHICLES WORKING GROUP

Subgroup & Maryland Department of Transportation Updates

EMERGENCY RESPONDER SUBGROUP

- Last meeting 10/4/19 - presentation by NY State Police and input from PennDOT

- Draft recommendations are in review amongst the subgroup members

- Recommendations address criteria for testing entities to provide in an Emergency Response Plan

- Next meeting likely in February 2020

- Contact Kevin Stitcher (Co-Chair) if you have an interest in being part of this subgroup
  van.stitcher@maryland.gov

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

FREIGHT SUBGROUP

- Last Meeting 11/6/19

- Volvo and Western Maryland Technology Center Presented

- Subgroup is considering aspects of CAV freight strategies for priority focus

- Our next CAV Freight Subgroup meeting has scheduled for May 14th at 10am- Location: TBD

- Contact Parto Mazdeyasni (lead staff) if you have an interest in being part of this subgroup pmazdeyasni@marylandports.com

TECH SUBGROUP

- Last met in October –local governments and MDOT Transportation Business Units actively engaged in connected vehicle testing

- Opportunity for sharing knowledge and lessons learned

- Contact Steve Kuciemba (lead staff) if your jurisdiction is engaged in CAV work and wants to join Steve.Kuciemba@wsp.com

MDOT STATE HIGHWAY ADMINISTRATION

- MDOT SHA continues to update the *Maryland Locations for Enabling Testing Sites* and the *CAV Public Policy Map*

- MDOT SHA continues to develop educational material for its internal staff and actively participates in dialogue with its local and national partners to exchange knowledge and experiences

- Collaborating with its contractors to investigate if existing data feeds may be generated and shared externally for connected vehicle use

MDOT STATE HIGHWAY ADMINISTRATION

- MDOT SHA was awarded $40,000 in State Transportation Innovation Council (STIC) funds to deploy a Connected Vehicle technology for pedestrian safety and is expecting to deploy the technology within twelve months

- Held an internal Connected Vehicles Capability Maturity Model workshop to help prioritize possible technology deployment to support connected vehicle technologies across all fields of work within MDOT SHA

- MDOT SHA is beginning the re-evaluation of its telecommunications future infrastructure needs for the integration of connected vehicle technologies

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

MD TRANSPORTATION AUTHORITY

- MDTA is a leader in electronic tolling - one of the first Connected Vehicle technologies to be deployed

- MDTA's All Electronic Tolling (AET) /Cashless toll facilities include the:
  - Intercounty Connector (ICC) / MD 200
  - I-95 Express Toll Lanes (ETL)
  - Thomas J. Hatem Memorial Bridge (US 40)
  - Francis Scott Key Memorial Bridge (I-695)

- MDTA plans to convert additional toll facilities to AET including:
  - Chesapeake Bay Bridge (US 50 / 301): 2020
  - Nice / Middleton Bridge (US 301): 2023

MD TRANSPORTATION AUTHORITY

- In 2020, MDTA will deploy its third-generation tolling system which will provide customers with new payment options such as Pay by Plate.

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MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

MDOT MD TRANSIT ADMINISTRATION MDOT PORT ADMINISTRATION

- MDOT MTA is advancing to the second phase of the MARC Dorsey Station Automated Vehicle Parking (AVP) Pilot project through a Transportation Research Board grant

- MDOT MTA is conducting a Shared Mobility study to assess the feasibility of utilizing Connected & Automated Shuttles to link Penn Station, Mt. Royal LR Station, and State Center Metro Station

- The MDOT MTA CAV Working Group will convene for the fourth time in mid-January 2020 to share industry updates and the latest publications under the FTA Strategic Transit Automation Research (STAR) Plan

- MDOT MPA continues to support MDOT CAV initiatives and leads the Freight Subgroup.

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

MDOT MOTOR VEHICLE ADMINISTRATION

- MDOT MVA is leading the coordination effort for the Department to provide a one-MDOT experience of open dialogue on research, testing and implementation of CAV technology in Maryland

- MDOT MVA is reviewing the recent release of "universal" ADAS / Crash Avoidance Technology put forward by Consumer Reports, AAA, JD Powers, and National Safety Council. Considering use for driver education and training, driver's manual and testing for novice drivers, etc.

MDOT MOTOR VEHICLE ADMINISTRATION

- Permit & EOI Status
  - Twenty-four **Expression of Interests** submitted to date -- Three additional EOIs since August CAV WG meeting; 11 of these EOIs being actively managed by MDOT CAV Tech Team.
  - **Local Motors**: Testing in mixed traffic since Jan '19; have provided 891 rides for LM guests as of Nov 30th, averaging a little over 2 on each trip for a total number of over 400 trips; Phase II operations began in Sept '19 that now includes two geo-fenced routes at National Harbor.
  - **STEER**: Testing at BWI for more than a year; working with MDOT MTA under TRB IDEA grant for testing at MARC Dorsey Run Station.
  - **Robotics**: After working with local government, MDOT MVA approved in Sept '19. On a ½ mile geo-fenced county roadway in Clarksburg.

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION