Maryland Initiatives on Connected & Automated Vehicles
MARYLAND CAV VISION & WORKING GROUP

Uphold & enhance a **Safe, Efficient, and Equitable** transportation future by delivering collaborative and leading-edge CAV solutions.

Maryland is open for business and eager to realize the life-saving and economic benefits of CAV technology, while ensuring safety for all.

We are embracing CAV technology and innovation through continuing collaboration with partners interested in researching testing, and implementing CAVs in MD.

**CAV Actions in Maryland**

http://mdot.maryland.gov/MarylandCAV
MDOT IS ACTIVE

- MDOT MTA awarded first-ever CAV pilot under the TRB IDEA Transit program
- MDOT SHA advancing SPaT challenge along US 1
- MDTA continuing DSRC pilot testing - OBU's & RSU's
- Fostering workforce education internal to MDOT
- Initiated Mid-Atlantic I-95 CC CAV coordination
- Managing 21 EOI's for collaborative CAV efforts
- Currently 3 companies issued permits for HAV demonstration testing on public roadways
MARYLAND’S CURRENT DEPLOYMENTS
WHAT IS MDOT SHA DOING?
WHAT IS MDOT SHA DOING?

BREAKING NEWS!
New CAV Program Manager
MDOT STATE HIGHWAY ADMINISTRATION

Connected & Automated Vehicles
ONLINE LUNCH & LEARN

CAV 101 Interactive Training App
HOW MIGHT THE FUTURE LOOK?
ASSET MANAGEMENT

1. TRAFFIC CONTROL DEVICES IN GOOD CONDITION
2. RSU ONLINE AND BROADCASTING
3. TRAFFIC CABINET EQUIPMENT MAINTAINED
4. COMMUNICATIONS INFRASTRUCTURE MAINTAINED
5. CAVs BROADCASTING
6. PAVEMENT CONDITIONS
ECOSYSTEM

VEHICLE COOPERATION TO IMPROVE TRAFFIC FLOW AND CONGESTION.
DATA AND CYBERSECURITY

- Cybersecurity concerns need to be addressed
  - Need to verify that messages exchanged are trustworthy
  - Need to ensure vehicle data does not contain Personally Identifiable Information (PII)

- What data are we concerned about?
  - Data **produced** or **consumed** by Connected and Automated Vehicles
  - Data used in applications developed by MDOT SHA related to the CV deployments
ON-DEMAND PICKUP
CAVs pickup passengers at a location of their choosing.
QUESTIONS?
THANK YOU!

CONTACT INFORMATION

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