

## THE ROAD AHEAD

### 2019 PRIORITIES

In 2019, MDOT SHA intends to continue to build on last year's momentum and pursue activities in support of the strategies and recommendations outlined in the MDOT SHA CAV Strategic Action Plan.

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#### SUPPORT CAV DEPLOYMENT EFFORTS

US-1, TSMO, as well as research and deployment grants.



#### DEVELOP TECHNOLOGY-BASED PROJECT LIST

Develop a CAV library to capture new and existing project ideas, and integrate ITS devices into planning tools.

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#### DEVELOP AND MAINTAIN CAV EDUCATIONAL MATERIALS

Develop educational CAV materials for internal and external platforms including training materials, public policy, and public consumption.



#### SUSTAIN NATIONAL & REGIONAL INVOLVEMENT

Develop a plan for a new MDOT Local Agency CAV Sub Group, support statewide CAV testing, and attend local and national conferences.

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#### PLANNING & BACKGROUND EFFORTS

Understand long term impact to Maryland and develop new interactive tools in support of planning. Build out CAV data inventory and explore opportunities for business process improvement.



#### STRATEGIC TELECOMMUNICATIONS PLAN & FIBER MAP

Complete Strategic Telecommunications Plan and circulate for comment. Work closely with MDOT and DOIT to develop a map inventory of locations with fiber across the State.

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Maryland Department of Transportation State Highway Administration

## Connected and Automated Vehicle 2018 Accomplishments & The Road Ahead



**MDOT** MARYLAND DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

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ORGANIZATIONAL MANAGEMENT OF CAV



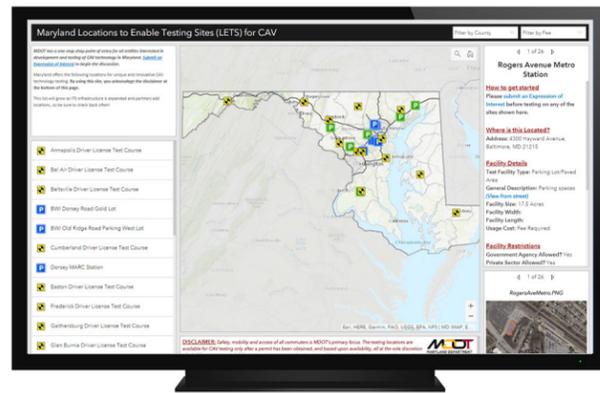
New Deputy Director for TSMO & CAV and New Communications Division within the Office of CHART.

MDOT SHA CAV Working Group co-chaired by CHART and OPPE with representatives from various Offices and Districts.

Developed Draft CAV Data Governance Chapter for data that supports future CAV related applications.

SUPPORTING CAV TESTING WITHIN THE STATE

Office of Planning and Preliminary Engineering developed and maintains the **Maryland Locations for Enabling Testing Sites (LETS)** web mapping application.



Facilitated CAV testing on MDOT SHA facilities including:

- STEER Tech autonomous vehicle parking
- olli Self Driving Shuttle

For the Maryland Police and Correctional Training Commissions' Public Safety Education and Training Center (Sykesville, MD), MDOT SHA developed a **comprehensive paper that outlined expansion and rehabilitation concepts** for a new next-generation Traffic Incident Management training course with CAV capabilities.

COMMUNICATION AND OUTREACH INITIATIVES

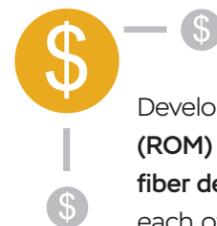


Developed **MDOT SHA CAV "Champions"** within MDOT SHA for participation in the CAV working group.

Developed **intranet site** and **CAV blog** to provide education and outreach along with internal collaboration tools.

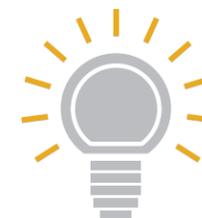
PLANNING TOOLS AND MATERIALS RELATED TO CAVS

Developed interactive **CAV Public Policy in the US Story Map** to track monthly legislative actions related to CAV across the country.



Developed Rough Order of Magnitude (ROM) estimates for CAV technology and fiber deployment to be incorporated in each of MDOT SHA's CTP Projects.

Developed **Call for Projects Template** to solicit ideas for CAV projects across the agency.



TRAINING INITIATIVES

MDOT SHA co-hosted the FHWA **Connected Vehicle 201 training**.

MDOT SHA co-hosted the FHWA **Introduction to ARC-IT Architecture workshop**.



COORDINATION WITH MDOT CAV WORKING GROUP

Ongoing participation in **MDOT CAV Working Group, CAV Technical and Policy Subgroup, and CAV Freight Subgroup**.



Supported the development of responses to **4 Federal Requests for Comments** related to CAV initiatives.

NATIONAL INVOLVEMENT IN CAV ACTIVITIES

- ✓ Cooperative Automated Transportation (CAT) Coalition
- ✓ Connected Vehicle Pooled Fund Study
- ✓ Dedicated Short Range Communications(DSRC) Community of Interest
- ✓ Intelligent Transportation Society (ITS) of America
- ✓ I-95 Corridor Coalition



CAV STRATEGIC ACTION PLAN

RELEASED WITH **35** RECOMMENDED ACTIONS

Progress made on **26** of those recommended actions in 2018!

US-1 INNOVATIVE TECHNOLOGY DEPLOYMENT CORRIDOR

Completed a **comprehensive requirements document** for a proposed connected vehicle pilot project along US-1 with recommended ITS solutions to support incident and traffic management.

