



Maryland Connected and Automated Vehicles (CAV) Strategic Vision

Crafting a Statewide Vision

Presented to:

Members of MDOT CAV Working Group

Presented by:

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Quick Poll #1: What would you do behind the driver's seat of a fully automated vehicle?

- A. Sleep
- B. Stream Stranger Things on Netflix
- C. Catch up on emails
- D. Nervously sit at attention with my hands just over the steering wheel
- E. Hit the panic button and get out immediately because no way

Project Purpose

- The Maryland CAV Strategic Vision and MDOT Strategic Implementation Plan together will:
 - Support Maryland in achieving its goal of becoming a national leader in CAV
 - Align the many ongoing CAV planning and implementation efforts throughout MDOT and Maryland
 - Build on existing CAV efforts
 - Identify opportunities for coordination across TBUs and agencies
 - Identify gaps in CAV policy and planning
 - Help set a course of implementation

One Study, Two Outputs

- Maryland CAV Strategic Vision
 - A high-level Vision for the State, not prescriptive for partners but reflective of their inputs
 - Goal is to document a clear vision and direction for CAV in Maryland
 - Approximately 2 pages
- MDOT Strategic Implementation Plan
 - Focused on MDOT-specific actions that can be undertaken to achieve the Vision
 - Longer and includes results of related research tasks

Webinar Purpose

- Discuss the Vision for CAV in Maryland
- Ensure that the Vision is reflective of partners throughout Maryland (not just MDOT)
- Build on the work done by the CAV Working Group to reflect understanding of Maryland's challenges and opportunities

We want your feedback! Please click the “raise hand” button for the ability to speak to the group, or submit feedback/questions via the “Chat” box.

If you do not have a chance to speak or you think of something later, please email kblizzard@camsys.com

Format

- Brief presentation
 - Project overview
 - Sample of potential output
 - Research and building blocks
- Discussion
 - Where/how can a Vision for CAV in Maryland add value?
 - What are Maryland's greatest opportunities and challenges related to CAV?
 - What activities is your organization currently undertaking or plan to undertake related to CAV?
 - What actions can MDOT take to support the achievement of Maryland's goals in CAV?

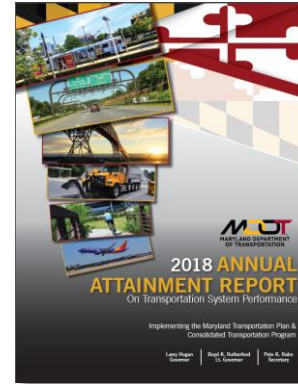
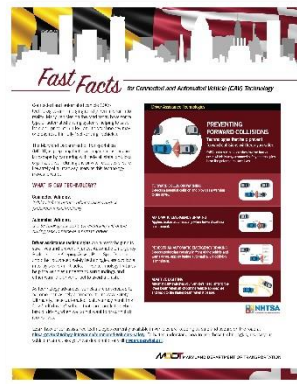
Quick Poll #2: What element is most important for the future of CAV in Maryland?

- A. Safe
- B. Open
- C. Collaborative
- D. Enhanced
- E. Ready

Findings from Review of MDOT Plans

- Current resources lay a strong foundation
- Existing and developing plans should be recognized and built on
- Existing plans emphasize safety and economic development

Ex.



Findings from National and State Best Practices

What Do Industry Leaders Have in Common?

- Clearly stated goals
- Programs focusing on both connected and automated technologies
- Working groups with diverse stakeholders
- Legislative policies which avoid over-regulation
- Dedicated funding sources
- Taking action on CAV demonstrations
- Maintaining visions and plans as living documents

Discussion

Quick Poll #3: I'm most concerned about a future where Maryland...

- A. Has fallen behind other states in integrating CAVs into roadway usage
- B. Is seeing greater congestion due to mixed fleet issues and increases in VMT
- C. Has sacrificed jobs without replacement strategies
- D. Has high tech mobility services (but only for the wealthy)
- E. Has become less safe

Discussion Question 1
Where/How can a Vision for CAV in Maryland add value?

Discussion Question 2
**What are Maryland's greatest opportunities
and challenges related to CAV?**

Quick Poll #4: What are today's most pressing needs related to CAV?

- A. Workforce development and trainings
- B. Collaboration to share knowledge and minimize redundancies
- C. Standards to promote interoperability
- D. Policies to ensure safety during testing
- E. N/A, too much uncertainty

Discussion Question 3

What activities is your organization currently undertaking or plan to undertake related to CAV?

Discussion Question 4
What actions can MDOT take to support the achievement of Maryland's goals in CAV?

Next Steps

- Circulate Draft Vision in advance of August CAV Working Group meeting

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