Maryland CAV Strategic Vision

Summary of Partner Engagement Webinars

Webinar Objectives

This summary provides a high-level overview of two partner engagement webinars conducted on May 21, 2018 and May 25, 2018 as part of a Maryland Department of Transportation (MDOT) project to develop two related documents: the Maryland Connected and Autonomous Vehicle (CAV) Strategic Vision and the MDOT CAV Strategic Plan. The primary focus of these webinars was to collect feedback and input from partners outside of MDOT on the Maryland CAV Strategic Vision, although input from internal, MDOT partners was also welcomed and will be valuable in shaping the Vision. All partners have additional opportunities to provide feedback on the Vision by emailing the project team (please email kblizzard@camsys.com) or by attending the next MDOT CAV Working Group meeting on August 13th from 1-4pm, at which time the draft Vision will be presented.

Webinar Agenda and Summary Statistics

Both webinars followed the same agenda, which is shown below. The remaining sections of this summary provide key takeaways from each agenda item. Additional details regarding the project team presentation are available in the webinar PowerPoint presentation, and additional details regarding all agenda items are available in the webinar recording—both available upon request.

- **Project Team Presentation.** A brief presentation by the project team on the project and webinar objectives as well as the project process and findings to-date.

- **Poll Questions and Results.** Four poll questions regarding content for the Maryland CAV Vision, open to all participants, were posed during the webinar. Results are shown below.

- **Discussion Questions.** Four discussion questions were posed to participants to facilitate dialogue between the project team and participants and to solicit targeted feedback.

The first webinar on May 21, 2018 attracted 31 participants, with approximately half coming from external partner organizations and half coming from within MDOT. The second webinar on May 25, 2018 attracted 22 participants with again approximately half coming from external partner organizations and half coming from within MDOT.
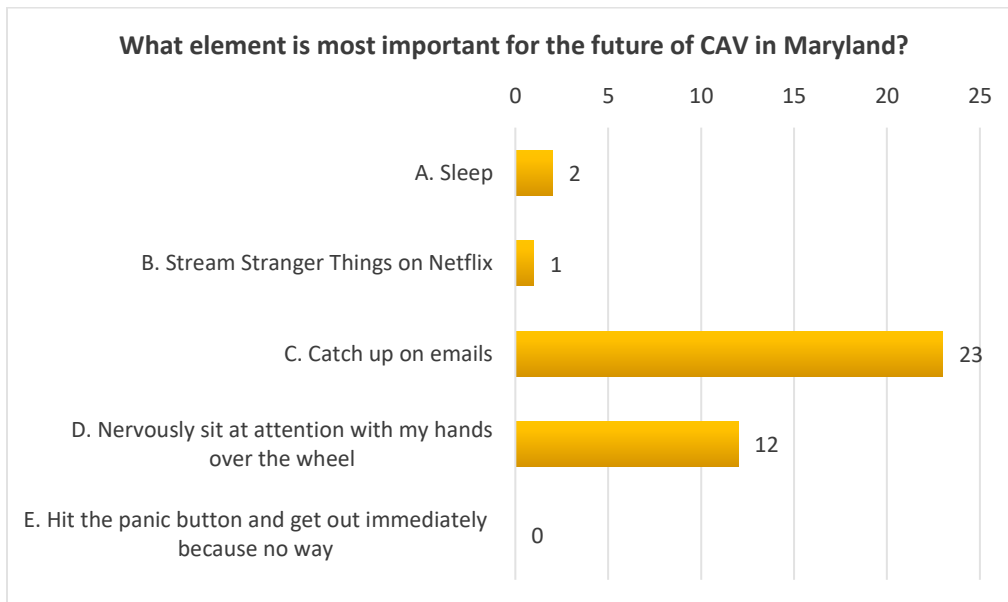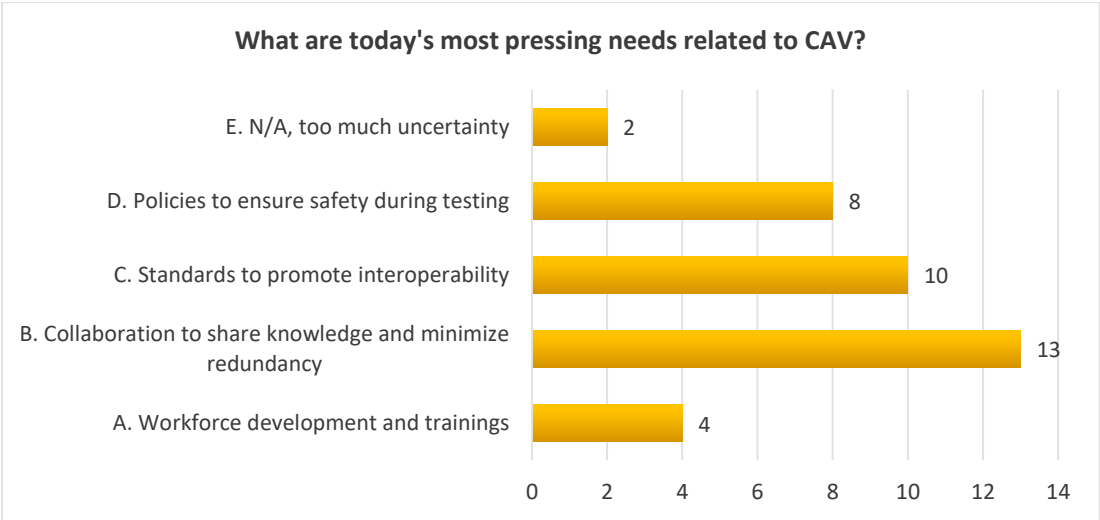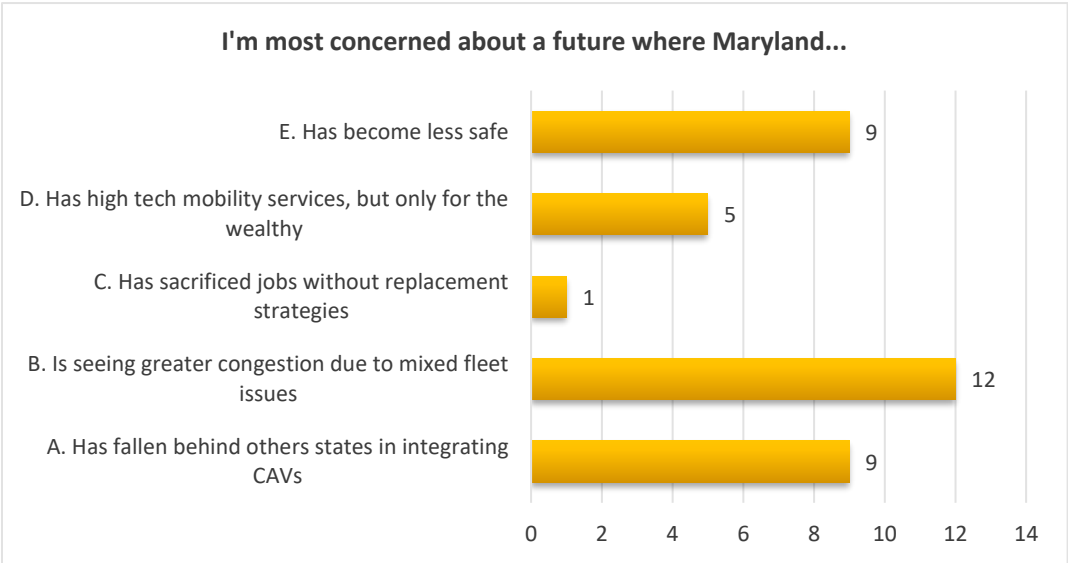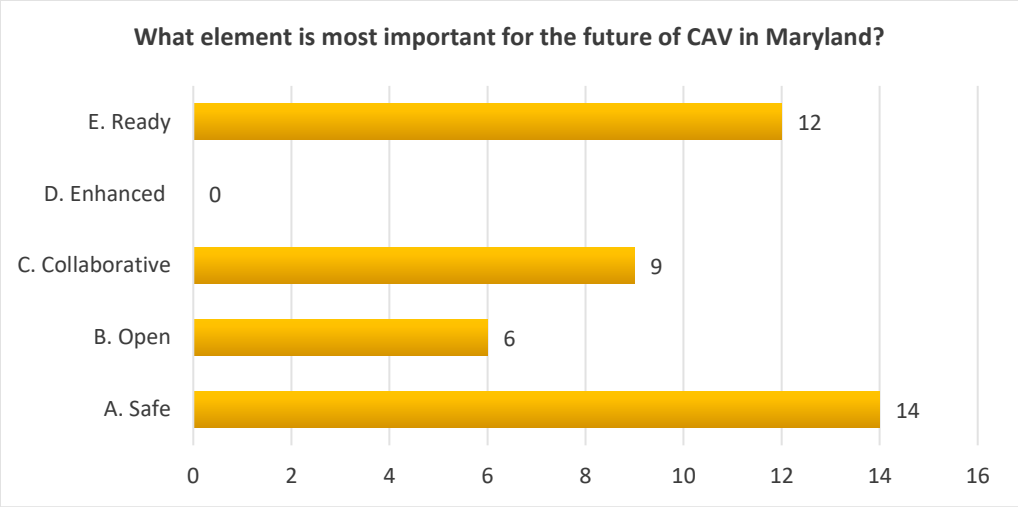
Project Team Presentation

The project team gave a brief presentation on the project objectives and progress to-date, highlighting the distinction between the project's two final deliverables: (1) the Maryland CAV Strategic Vision which has a statewide focus and was the focus of the webinars and (2) the MDOT CAV Strategic Plan which has a MDOT-wide focus. Together, these work products will support Maryland in becoming a national leader in CAV, align the many ongoing CAV efforts in the State, build on existing efforts, identify opportunities for collaboration, identify gaps, and help set a course for implementation. The main objectives of the webinar were to discuss the Vision, ensure the Vision is reflective of partners throughout Maryland, and to build on existing efforts.

The presentation also covered high-level findings from the outreach and research tasks conducted to-date in support of the project. In particular, the presentation covered findings from outreach and group interviews with each of MDOT's Transportation Business Units (TBUs), a review of existing MDOT plans and initiatives related to CAV, and research into national and peer state best practices in CAV planning and deployment. Additional details on these tasks, and the project in general, are available in the webinar's PowerPoint presentation and the webinar recording—both available upon request.

Poll Questions and Results

The following charts display the questions and results of the four polls posed to participants during the webinars. These charts represent the combined results of both webinars.

What element is most important for the future of CAV in Maryland?

Answer	Value
A. Sleep	2
B. Stream Stranger Things on Netflix	1
C. Catch up on emails	23
D. Nervously sit at attention with my hands over the wheel	12
E. Hit the panic button and get out immediately because no way	0

What element is most important for the future of CAV in Maryland?

Element	Value
E. Ready	12
D. Enhanced	0
C. Collaborative	9
B. Open	6
A. Safe	14

I'm most concerned about a future where Maryland...

Option	Value
E. Has become less safe	9
D. Has high tech mobility services, but only for the wealthy	5
C. Has sacrificed jobs without replacement strategies	1
B. Is seeing greater congestion due to mixed fleet issues	12
A. Has fallen behind others states in integrating CAVs	9

What are today's most pressing needs related to CAV?

Option	Value
E. N/A, too much uncertainty	2
D. Policies to ensure safety during testing	8
C. Standards to promote interoperability	10
B. Collaboration to share knowledge and minimize redundancy	13
A. Workforce development and trainings	4

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Discussion Questions

The four discussion questions posed to participants during the webinar are shown below, followed by a high-level summary of key points and comments from the discussion that ensued (summaries reflect the discussions in both of the webinars). Additional details regarding the discussion questions are available in the webinar recording—available upon request.

1. Where/how can a Vision for CAV in Maryland add value?

- Safety is the chief priority. Beyond safety, managing congestion is a priority.
- Addressing complications related to zero occupancy vehicles (law enforcement, liability, etc.)
- Scenario planning—examining the variety of possible scenarios for CAV evolution and putting policies in place to lead Maryland towards the most advantageous and sustainable scenario.
- One word or short phrase comments on what the Vision should emphasize included:
  - » Business competitiveness.
  - » A roadmap for policies to drive economic development.
  - » Congestion relief.
  - » Priorities to guide investment of public and private resources.
  - » Enhanced mobility for seniors, the disabled and the disadvantaged.
  - » A Vision for multiple transportation goals—environmental, land use, equity, etc. goals.

2. What are Maryland's greatest opportunities and challenges related to CAV?

Opportunities	Challenges
The benefits for CAV testing and development of Maryland being a geographically compressed area with two major metropolitan areas.	Already experiencing high levels of congestion in Maryland, don't want CAV to add to vehicle miles traveled (VMT) and congestion.
New opportunities for equitable road usage.	Transportation revenue impacts.
Significant presence of technology companies and institutions in Maryland already working on CAV, opportunities for new business and jobs.	Funding opportunities to support current businesses.
Autonomous emergency medical vehicles and first responders.	Establishing standards for CAV technology and promoting interoperability.
Proximity to Federal government—opportunities to demonstrate CAV benefits to policymakers, partner with Federal organizations, and learn about peer state experiences.	Legal challenges of liability and accountability.

3. What activities is your organization currently undertaking or planning to undertake related to CAV?

- Collaborating with MDOT Transportation Business Units (TBUs) in the development of their individual CAV planning and preparation.
- Participating in the MDOT CAV Working Group.
- Working to enhance awareness and understanding of CAV in Maryland
- Promoting and encouraging the development of CAV technologies in Maryland.
- Prototyping automated vehicles and vessels for military customers (small business with two decades of experience in automated transportation).
- Scenario planning for CAV.
- Engaging underserved and disadvantaged populations to engineer CAV pilot projects.
- Staying on top of CAV activities nationwide and facilitating peer exchanges and learning.

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

- Conduct more webinars and outreach activities on current work with opportunities to get involved.
- Communicate and share these plans to partner associations and organizations, to build CAV ambassadors and unify messaging.
- Continue to work with companies and stakeholders interested in partnering with Maryland on CAV technology.
- Promote shared-used CAV applications.
- Act as a clearinghouse for CAV data.
- Help secure funding for CAV research.
- Continue to facilitate internal collaboration among TBUs and external collaboration among private partners and other agencies.
- Encourage innovation in Maryland organizations.

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