



# **Maryland CAV Vision & MDOT CAV Strategic Plan Update**

**CAV Working Group Meeting**

*Presented by:*

Colleen Turner—MDOT TSO



## Project Purpose

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- The Maryland CAV Strategic Vision and MDOT CAV Strategic 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 Project, Two Outputs

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- Maryland CAV Strategic Vision
  - A high-level Vision for the State, not prescriptive for partners but reflective of their inputs
  - A clear vision and direction for CAV in Maryland
- MDOT CAV Strategic Plan
  - Focused on MDOT-specific strategies and actions that can be undertaken to achieve the Vision

**Maryland CAV Vision**  
*Governor's Office*



**MDOT CAV Strategic Plan**  
High-level Strategy buckets → High-level Action Items



**MDOT TBU CAV Plans & Activities**

SHA

MDTA

MTA

MVA

MPA

MAA

Living Documents

■ Have/Working on CAV Plan

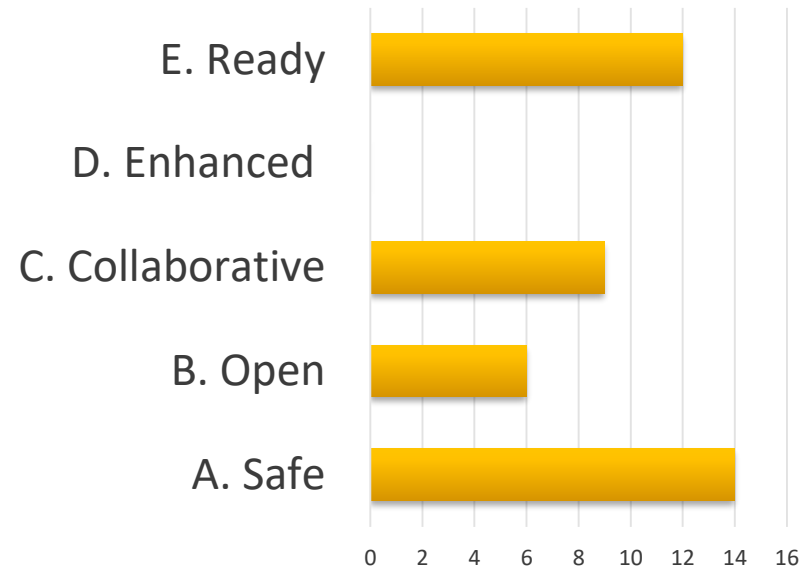
■ Working on CAV Activities



# Outreach and Engagement for Maryland Vision

- Reviewed CAV Working Group documented priorities
- Presented project to previous CAV WG meeting
- Hosted two webinars inviting input and priorities for Vision from Maryland partners

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



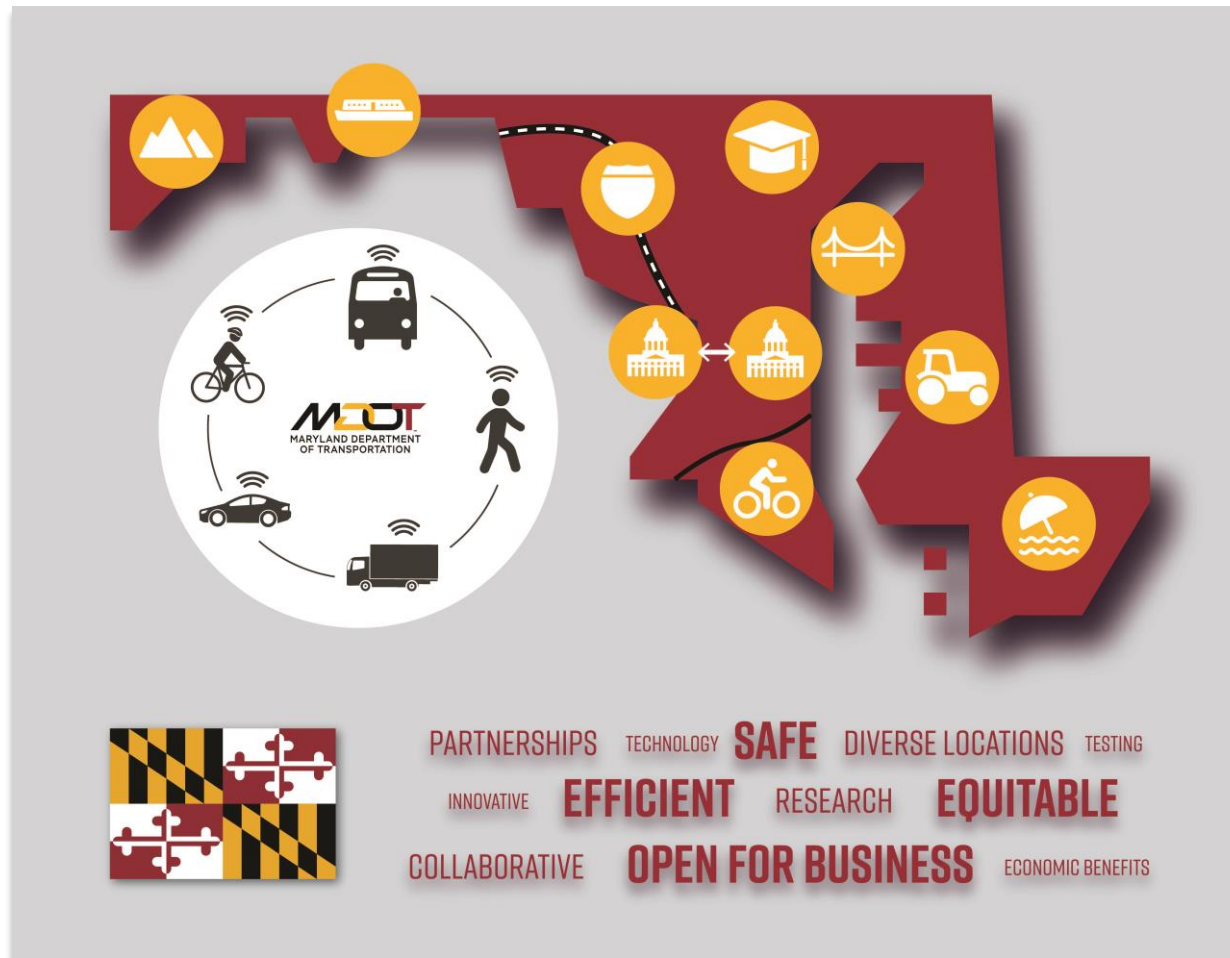
Polling Result from Combined Webinars

## Draft Vision

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*Maryland's Vision for Connected and Automated Vehicles (CAV) is to uphold and 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 Maryland.*

# Why Maryland as an Illustration



# Outreach and Engagement for MDOT CAV Strategic Plan

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- Conducted interviews with MDOT TBUs
- Reviewed existing CAV and related plans
- Reviewed national and international best practices
- Identified challenges and opportunities
- Held Workshop to develop and refine vision and strategies

## TARGETED RESEARCH TOPICS

- CAV Policy Practices
- Integration of Freight Planning with CAV
- Cyber Security
- Communication/Outreach Needs
- DSRC and 5G
- Scan of Law Enforcement Needs Related to CAV
- Workforce Impacts
- Bike/Ped Interactions



## Purpose/Role of Strategies

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- Support existing goals
- Support CAV Vision
- Build on/coordinate with existing activities
- Align and promote action items



# Draft CAV Strategies

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#	Strategy
1	Prioritize safety in all CAV element actions
2	Communicate CAV progress and opportunities broadly and openly
3	Ensure policy and regulations reflect MDOT and partner vision
4	Continue pilot development and deployment to fill Maryland's needs
5	Make CAV a part of near- and long-term planning efforts
6	Ensure MDOT and partner CAV plans and actions are coordinated and transparent
7	Maintain strong and clear mechanisms for industry partnerships
8	Conduct research to address CAV needs
9	Strengthen MDOT knowledge and capabilities in CAV

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## Example of Action Items

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### Strategy

**Ensure policy and regulations reflect MDOT and partner vision**

### Action Items

- Identify barriers to CAV testing and marketing of Maryland to avoid over-regulation
- Continue onboarding of CAV licensing and registration
- Review procurement methods to ensure fit for CAV projects

## Why Do We Need the Vision and Plan?

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- Distinguish ourselves from other states by expressing our intention to be on the leading-edge of research, testing and implementation
- Facilitate partnerships to advance CAV
- Align the many ongoing CAV planning and implementation efforts throughout MDOT and Maryland
- Support Maryland in achieving its goal of becoming a national leader in CAV

## Next Steps

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- Receive Feedback and Finalize the Maryland Vision and MDOT Strategic Plan
  - Comments due in one week (8/20)
- Vision and Graphic by End of August
- Draft Strategic Plan in September