



Transportation & Public Works Committee

Notes for Agenda Items

December 11, 2023



AGENDA

1. **WELCOME AND INTRODUCTIONS** (5 min.)
2. **COMMENTS ON NOTES FROM SEPTEMBER 11, 2023 MEETING** (5 min.)
3. **INTEREST IN CYBER RESILIENCE REVIEW OF SIGNAL SYSTEMS/TRAFFIC MANAGEMENT SYSTEMS** (15 min.)

Mr. Jason Schaum, DHS CISA, will provide a recap of cyber resilience reviews (CRR), and members the group will discuss interest in having CISA conduct a CRR for traffic systems.
4. **CYBER EVALUATION METHODOLOGY** (20 min.)

Skyline Technology Solutions staff will provide an overview of a methodology to conduct a cyber-evaluation for state DOT TMCs.
5. **DISCUSSION OF USING THE RECOMMENDATIONS FOR PREPARING FOR CONNECTED AND AUTOMATED VEHICLES** (15 min.)

BMC staff will present the recommendations for preparing for CAVs.
6. **UPDATE ON RCPGP EVACUATION PROJECT** (10 min.)

BMC staff will provide an update on this project.
7. **COMMITTEE UPDATES** (10 min.)
8. **GROUP DISCUSSION** (15 min.)

Open discussion about any items of interest to the group.
9. **OTHER BUSINESS** (5 min.)

5. PREPARING FOR CONNECTED AND AUTOMATED VEHICLES

Project Overview

Product 1: CAV Literature Review

Product 2: Customized, Actionable Recommendations

Product 3: User Guide

Product 4: Executive Summary for Leadership

Product 1: CAV Literature Review

- Introduction
- What are Automated Driving Systems?
- How are Automated Driving Systems being used?
- Why do we need to plan for CAVs?
- Best Practices for Planning CAV Impacts
- Top Take-Aways from Literature Review

<https://baltometro.org/transportation/planning-areas/multi-modal-planning/emerging-technologies>

Why do we need to plan for CAVs?

Local policies and investments can incentivize impacts and guide development to meet local goals.

Safety

Land-Use

Mobility

Equity

Accessibility

Labor and Workforce

Congestion

Data and Privacy

Environmental

Considerations for Equitable & Accessible Deployment

Local agencies could consider:



Vehicle & Ride Affordability

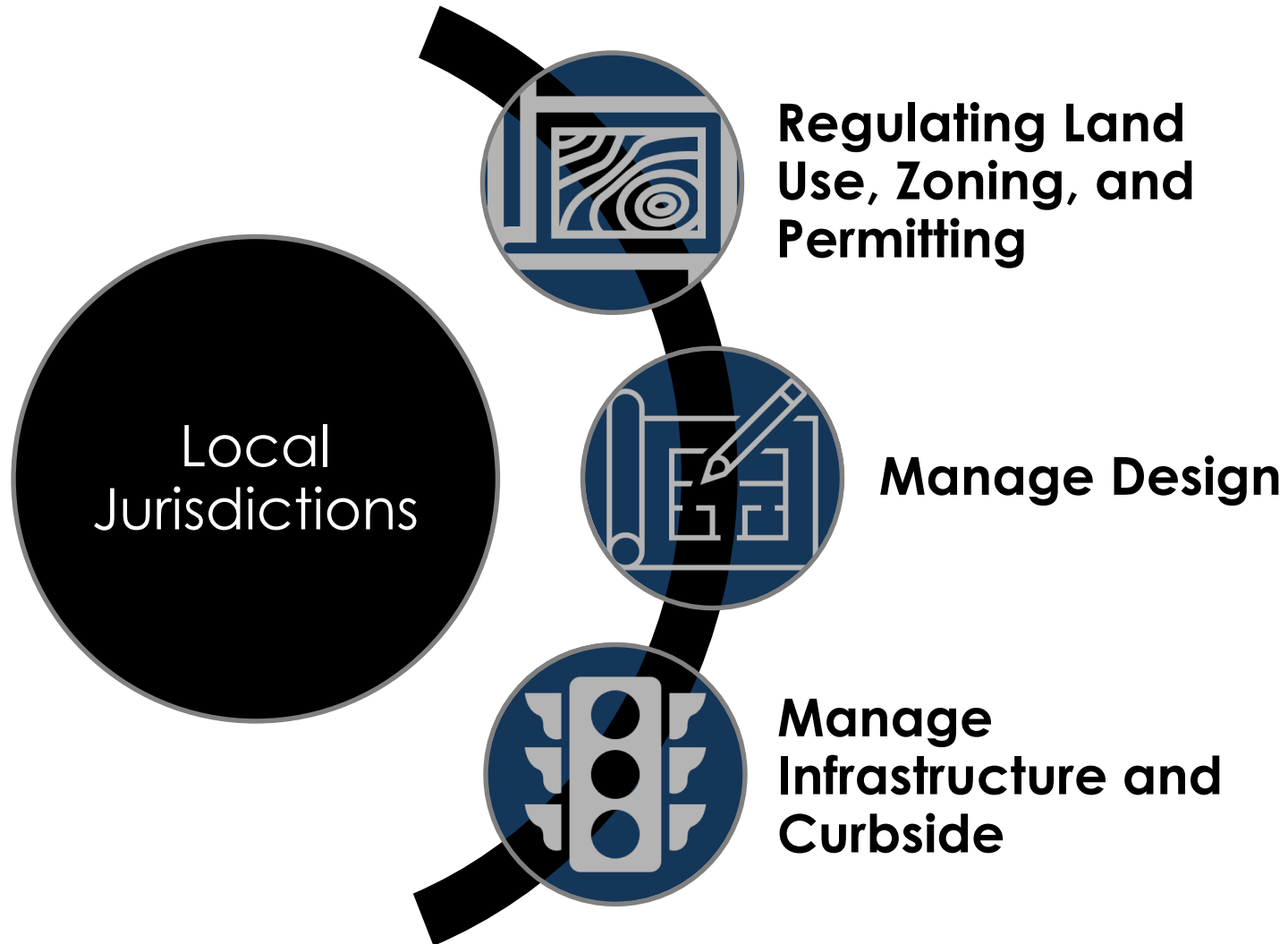


Accessibility



Deployment Location

What role do local jurisdictions play?



How are agencies planning for CAVs?



Self-Assess



Understand
Regulatory Roles



Rethink Your
Workforce



Build Partnerships &
Champions



Plan for Multiple
Future Scenarios



Prepare
Infrastructure



Develop
Policies



Collect and
Share Data

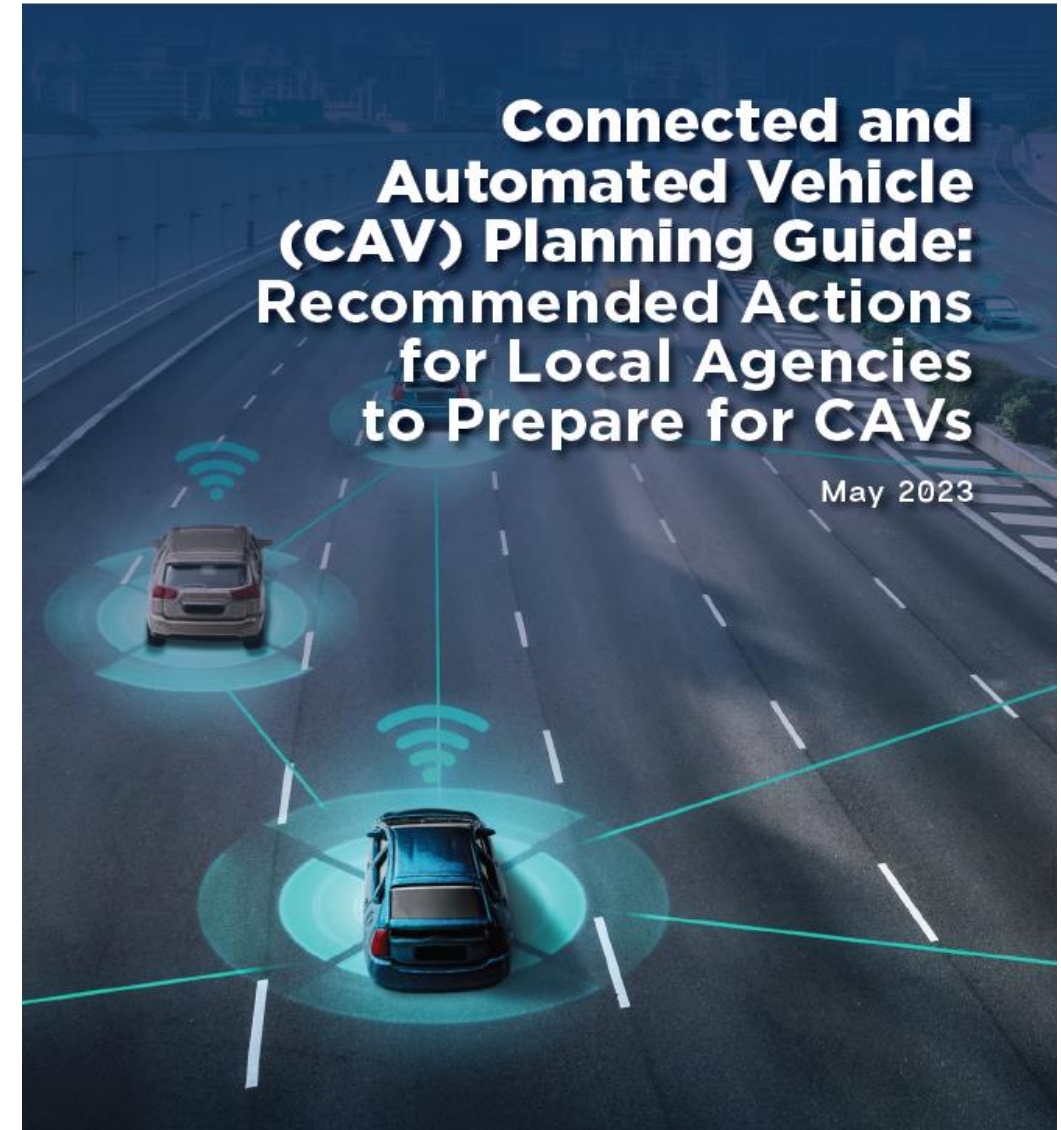


Monitor State of the
Practice

Product 2: CAV Planning Guide




Available for download on the BMC website:

<https://baltometro.org/transportation/planning-areas/multi-modal-planning/emerging-technologies>





Key Near-Term Local Agency Actions

Cross-Cutting



-  Coordinate with State and BMC
-  Identify safety partners and define safety goals
-  Plan for the different needs of automated freight or goods delivery.

Infrastructure

-  Maintain infrastructure in State of Good Repair
-  Follow industry guidance on data collection, storage, and security



Planning

-  Define your agency's vision and nominate a champion
-  Include equity and accessibility partners in all projects and require service to underserved communities
-  Integrate CAVs and other emerging technologies into land use and transportation plans, travel demand models, codes, and design manuals
-  Plan for impacts on local fiscal health
-  Prioritize multimodal mobility and Complete/Slow Streets

Workforce Development

-  Invest in people and the future of the workforce

Key Opportunities and Challenges for CAVs Identified by Project Participants



- **Equity.** Access for underserved communities
 - including people with disabilities, older adults, and people living in food deserts.



- **Safety.** Impacts on overall system safety
 - including speeds, crashes, congestion, enforcing rules of the road, and data privacy.



- **Emergency Response.** Updating first responder training, enforcement procedures, and response plans, and improving vehicle predictability
 - (e.g., moving over for emergency vehicles or responding to human traffic control).



- **Built Environment & Infrastructure.** Land use and potential infrastructure needs
 - such as communication networks, dedicated lanes, parking, roads, electric vehicle charging stations, and sidewalks.



- **Collaboration.** Partnering with new companies, service providers, and other agencies.



- **Community Education.** Identifying key champions and local partners to be involved in planning, education, outreach, and support.

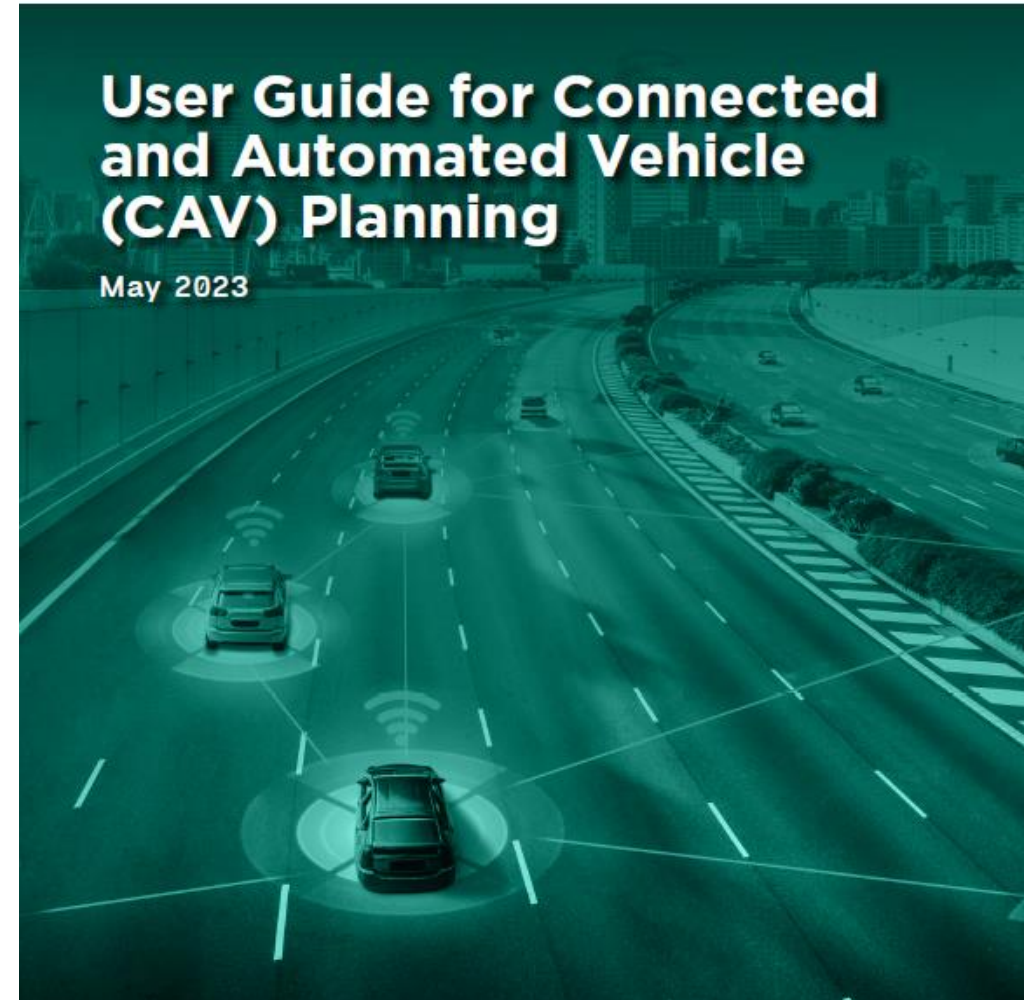
Product 3: User Guide for CAV Planning



How to Use this User Guide

Where should you begin?

- Read the CAV Planning Guide.
- Collaborate within your applicable local agency(s), Baltimore Metropolitan Council (BMC), and the State to complete this User Guide for CAV Planning.
- Refer to the *CAV Planning Guide* for the full recommendations and additional details.
- Refer regularly to this User Guide for CAV Planning to track progress and to identify next steps. Come back to this guide to periodically update your progress as you implement the actions and update other plans and policies.



Getting started: User Guide for CAV Planning

For each topic area, the *User Guide for CAV Planning* includes:



The near-term recommendation



Why is the action needed?



Who is the lead agency or department?



A checklist of steps to take action



An editable worksheet to document and track progress

Next Steps Recommended in the User Guide

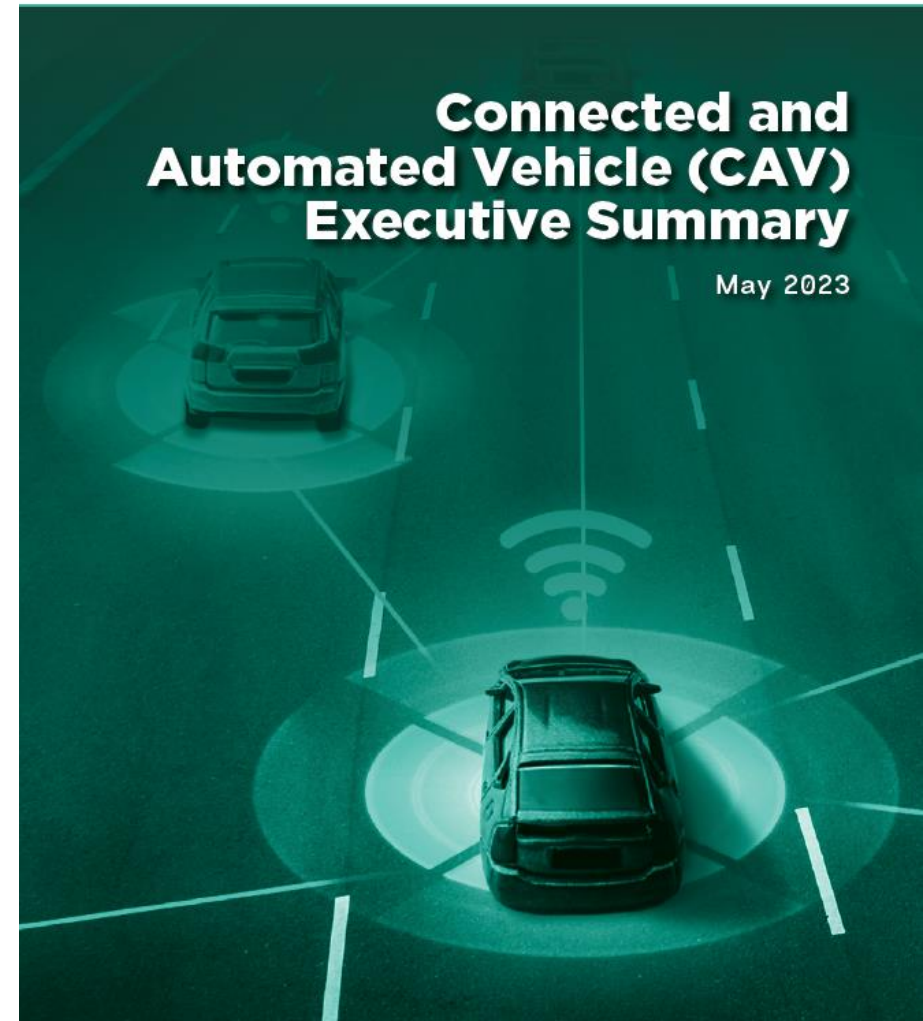
Next Steps

Your jurisdiction has worked through the User Guide for CAV Planning. Now what? Put these actions into practice!

- Coordinate your actions with peer jurisdictions, BMC, and the State.
- Establish timely recurring touchpoints with your agency's staff to check-in on the status of each recommended action.
- Include CAV-supporting projects in Capital Investment Program (CIP), Transportation Improvement Program (TIP), and other plans.
- Implement necessary policy changes and internal agency practices, procedures, and actions.
- Consider sponsoring a pilot demonstration program.

Product 4: Executive Summary

- High-level talking points for agency staff and decision makers on the region's CAV planning efforts and needs
- Recommendations to proactively prepare for the impacts of CAVs



6. UPDATE ON RCPGP EVACUATION PROJECT

- RCPGP Evacuation Project Overview and Schedule

- Participants include Transportation and Public Works Committee, Whole Community Committee, Evacuation Working Group, & PIO Committee
- Incorporate equity and climate change considerations as well as update overall regional evacuation planning.

	Year 1 Milestones	Year 2 Milestones	Year 3 Milestones
Phase 1A- Local/Regional	<p>Conduct training for the 7 UASI jurisdictions and State on Regional Evacuation Supplement and status of evacuation planning</p> <p>Develop and execute Evacuation Supplement TTX – OCTOBER 18 2023</p> <p>Develop AAR</p>	<p>Develop and Execute Equity survey (via workshops)</p> <p>Develop Equity Report/Planning Considerations</p> <p>Develop climate change considerations for supplement</p>	<p>Update Regional Evacuation Supplement with equity and climate considerations</p> <p>Develop and execute training on Final Updated Evacuation Supplement</p>
Phase 1B- State (MD, VA, DE)	<p>Develop Draft Outline of Delmarva Peninsula Plan</p> <p>Develop report on Risk Insurance Public Survey</p>	<p>Finalize Delmarva Peninsula Plan</p> <p>Develop and conduct training on Delmarva Peninsula Plan</p>	<p>Conduct tri-state and local exercise</p>
Phase 2- Local/Regional & State (MD, VA, DE)			<p>Develop and execute Workshop for the Region and State to Coordinate evacuation efforts, share equity best practices, share risk insurance data, and de-conflict planning efforts.</p>

COMMENTS ON EVACUATION TTX

- Planning Committee will attend After Action Conference on December 12, 2023

7. COMMITTEE UPDATES

- **Disaster Debris Planning Task Force**
 - Still investigating if/how local jurisdictions can use state contracts
 - Maryland DGS working to incorporate local procurement requirements in the next procurement

8. GROUP DISCUSSION

- Operations
- Upcoming Events
- Other

9. OTHER BUSINESS

- **Presentations/discussions of interest at future meetings**
 - Staff hiring and retention
 - Detailed CAV discussion
- **2024 T&PW meetings: March 11, June 10, September 9, December 9**
 - Meet in person/hybrid or remote?