



## MEMORANDUM

**TO:** TPB Technical Committee  
**FROM:** Andrew J. Meese, TPB Systems Performance Planning Program Director  
**SUBJECT:** Update on Connected and Automated Vehicles  
**DATE:** July 1, 2021

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This memorandum provides an update on Connected and Automated Vehicles (CAVs) activities, including outcomes of the most recent webinar, and the next step, development of regional CAV principles.

### WHITE PAPER, WEBINAR, AND DRAFTING OF CAV PRINCIPLES

On May 25, 2021, staff hosted the fourth regional Connected and Automated Vehicles (CAVs) webinar, focusing on a consultant-developed CAV “planning considerations” white paper. At the July 9 TPB Technical Committee meeting, staff will briefly review the white paper and webinar outcomes, then turn to the current effort to draft regional CAV principles, advised by the TPB Systems Performance, Operations, and Technology Subcommittee (SPOTS).

### WHITE PAPER AS BACKGROUND TO CAV PRINCIPLES DEVELOPMENT

The white paper<sup>1</sup> was developed to assist the TPB in planning for CAVs on the region’s transportation system. Specifically, it looked to inform regional conversations on CAVs and TPB’s role related to this topic by examining:

- Areas where TPB goals, policies, and activities may substantially interact with CAVs.
- Potential CAV deployment impacts (issues, challenges, opportunities) as they relate to corresponding jurisdictional authorities and roles (primary, secondary, collaborative).
- Opportunities to enhance CAV considerations within TPB’s planning products/activities including processes for developing regional CAV principles.

This paper also supported development of the region’s planning, policy, and programming priorities related to CAVs and identifies actions TPB may take to further achievement of its goals and minimize the potential for adverse impacts as CAVs are deployed.

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<sup>1</sup> [“Connected and Autonomous Vehicles \(CAVs\): Planning Considerations for the National Capital Region Transportation Planning Board.”](#) Prepared by ICF on behalf of the Metropolitan Washington Council of Governments Department of Transportation Planning, June 2020.

## **PROCESS TO DEVELOP TPB CAV PRINCIPLES**

Fall 2021 is the target time frame to complete development of text content of TPB's next Visualize 2045 long-range transportation plan update; the goal is to have CAV principles ready and approved by that deadline. Staff has been working to develop a draft set of such principles for review, based on findings and recommendations of the white paper, discussions during the four CAV webinars TPB has hosted in 2020 and 2021, and a review of the context of Visualize 2045 and other existing TPB policy documents.

The first draft of CAV principles is scheduled to be presented to and reviewed by SPOTS at its July 8 meeting, to enable subcommittee review before advancing the TPB Technical Committee. The next day, on July 9, staff will brief the TPB Technical Committee on highlights coming out of the July 8 SPOTS discussion, with presentation of an actual draft CAV principles document (revised as per SPOTS input) anticipated for the September 3, 2021 TPB Technical Committee meeting, agenda time permitting. After TPB Technical Committee review, draft CAV principles are anticipated to move forward to the TPB for review and approval sometime in the fall, again agenda time permitting.

TPB Technical Committee members are welcome to join in the more detailed discussion at the July 8 (1:00 P.M.) SPOTS meeting; for meeting information, watch for updates on the [COG/TPB website calendar](#), or contact Andrew Burke at [aburke@mwkog.org](mailto:aburke@mwkog.org).