

Joint Subcommittee on System Mobility and Emerging Technologies

(Formerly “System Performance Subcommittee” under CPBM –
“Performance Measurement and Data Subcommittee” under CTSO)

September 2019

Why the new focus?

Mobility is transforming as new technologies disrupt traditional ways people and goods move throughout our transportation systems. While the many new technologies and modes bring more convenience and efficiency to the users and to local and national economies, they also create new problems, needs, and challenges that state DOTs as Infrastructure Owners and Operators (IOOs) must address. One of the original subcommittee work plan goals was to develop approaches and opportunities for system analysis, system operation and technology applications beyond MAP-21. This update will align with the initial scope and expand on it to meet emerging analysis needs that impact roadway system mobility performance.

This new, joint subcommittee formally fuses the work of two AASHTO committees that share a common interest in examining these topics: the Committee on Transportation System Operations (CTSO)—Data and Performance Management Subcommittee and the Committee on Performance-Based Management (CPBM)—System Performance Subcommittee. It also establishes an informal, collaborative relationship with the Committee on Data Management and Analytics (CDMA).

What will we work on?

The purpose of the joint subcommittee is to serve as the central forum to share information on how state DOTs are managing system operation and system mobility and how performance is impacted due to current and emerging transportation technologies, programs, operational strategies and connected environments. This may include examining the impacts of current system management approaches as well as new programs such Connected and Automated Vehicle (CAV) technology, Cooperative Automated Transportation (CAT) and Mobility on Demand (MOD). Based on member needs, the subcommittee will explore system and mobility related performance metrics, data management and analytical tools, performance communication and reporting approaches and private sector partnerships with the understanding that state DOTs are facing increased policy and legislative demands, diminished funding and therefore need to maintain a high level of accountability. This subcommittee will also advise the recently approved NCHRP project: NCHRP 08-127 Emerging Issues: Impact of New Disruptive Technologies on the Performance of DOTs.

How can I join this exciting new venture?

The subcommittee is currently identifying bi-monthly call schedules and will announce a regular meeting time. In the meantime, please feel free to contact joint subcommittee chair, Daniela Bremmer (WSDOT) at bremmed@wsdot.wa.gov; or vice-chair, Jay Styles (VDOT) at jay.styles@vdot.virginia.gov; or Patrick Zelinski (AASHTO – CTSO staff) PZelinski@ashto.org; or Matt Hardy (AASHTO-CPBM- joint subcommittee staff lead) at mhardy@ashto.org