

Western Association of State Highway and Transportation Officials Resolution 05 - 19

Guiding Principles for Connected Infrastructure Supporting Cooperative Automated Transportation

WHEREAS, the safety and mobility of the nation's transportation system will be greatly improved by the emergence of Cooperative Automated Transportation (CAT); and

WHEREAS, CAT has been defined as all modes of transportation working together to improve safety, mobility, and operations efficiency through interdependent vehicle and systems automation and information exchange; and

WHEREAS, Infrastructure Owners and Operators (IOOs), including State Departments of Transportation, play a fundamental role in advancing, operating and maintaining the physical and digital infrastructure necessary to support CAT solutions; and

WHEREAS, advancement of connected infrastructure, data, management and operations supporting CAT solutions is best developed through interoperability and consistency in CAT deployments and IOOs consolidating and communicating their intentions and value of CAT in effectively managing mobility and safely in operating the transportation system; and

WHEREAS, advancement of connected infrastructure, data, management and operations supporting CAT solutions and interoperability and consistency in CAT deployments is best developed through the establishment of broad and flexible IOO Guiding Principles for Connected Infrastructure (Guiding Principles); and

WHEREAS, the adoption of Guiding Principles will be of immediate benefit to IOOs as they continue to address the Federal Communications Commission (FCC) review of the status of the 5.9GHz band currently reserved for transportation applications; and

WHEREAS, AASHTO, working in collaboration with the Institute of Traffic Engineers (ITE) and Intelligent Transportation Society of America (ITS America) with input from subject matter experts from other interested associations have developed the following Guiding Principles (with expanded detail in Attachment A)

- 1. Automation: Support increased vehicle automation to improve traveler safety, mobility, equity and efficiency**
- 2. Data: Achieve a connected vehicle ecosystem that enables reliable, secure V2I data exchanges in order to support cooperative automated transportation**

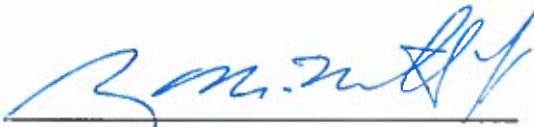
3. Telecommunications: Protect and utilize the 5.9 Gigahertz (GHz) spectrum designated for *"operations related to the improvement of traffic flow, traffic safety and other intelligent transportation service applications"* (FCC)
4. Operations: Develop CAT strategies that enhance existing transportation system operational capabilities
5. Collaborations: Collaborate and communicate with OEMs and mobility service providers in the planning, testing, and demonstrations of CAT applications to support eventual interoperability and to achieve positive impacts on safety, mobility, and efficiency

WHEREAS, these Guiding Principles reinforce the CAT safety, development and demonstration, robust connectivity, data and collaboration analysis and recommendations contained in the AASHTO FAST Act Reauthorization White Papers.

NOW, THEREFORE BE IT RESOLVED, that WASHTO supports efforts by AASHTO, ITE and ITS America to continue to work in collaboration on the utilization of these Guiding Principles; and be it further

RESOLVED, WASHTO recommends that AASHTO adopt these Guiding Principles to further the advancement of connected infrastructure, data, management and operations supporting CAT solutions and interoperability and consistency in CAT deployments.

Adopted by the WASHTO Board of Directors on



Roger Millar
WASHTO President

June 12, 2019
Date