

Bipartisan Infrastructure Law (BIL) References to Connected and Automated Vehicles (CAV) and Linkages to AASHTO CAV Policy Principles

Prepared by the AASHTO Inter-Committee Working Group on CAV

IIJA Section Number	IIJA Section Subject Matter	State Agency Funding Availability*	Notes	CAV ICWG Interests	1. A National [CAV] strategy and vision are needed	2. Safety is paramount [for CAV technology deployment].	3. Support sustainability	4. The future is connected and automated	5. Promote innovative Federal Infrastructure Investment	6. Advance equity, access, and quality of life.	7. Preserve traditional state and Federal roles.	8. Uniform national policy is essential to avoid a patchwork approach.	9. Strong Federal leadership is crucial to foster industry collaboration and community engagement.	10. Promote data sharing that preserves data privacy and security.
				Key: CAV focus within the IIJA section	✓									
				Key: CAV principles and IIJA aligned on topic	●									
11107	Federal share payable	P	Amends the Federal share payable for certain safety projects to 100% to include V2I communications equipment		●			✓			●			
11109	surface transportation block grant program	G	adds new types of projects and facilities eligible under block grants		●		●	✓						
11115	CMAQ	P	adds new types of eligible projects, modes, and facilities		●									
11132	Rural Surface Transportation Grant Program	G(c)	"establish a rural surface transportation grant program to provide grants, on a competitive basis, to eligible entities to improve and expand the surface transportation infrastructure in rural areas"		●●									
11135	updates to Manual on Uniform Traffic Control Devices	n/a	addresses updates necessary to provide for protection of vulnerable road users, supporting the safe testing of automation vehicle technology, use of variable message signs, minimum reflectivity of traffic controls and markings, and NCUTCD recommendations		✓									
11401	Grants for Charging and Fueling Infrastructure	G	establishes a grant program to deploy electric vehicle charging infrastructure				●							
11403	Carbon Reduction Program	P	"establish a carbon reduction program to reduce transportation emissions"; States and MPOs to develop a carbon reduction strategy; notable that eligible projects include retrofitting DSRC "deployed as part of an existing pilot program" to C-V2X				●●	✓						
11404	Congestion Relief Program	G(d)	various amendments "to provide discretionary grants to eligible entities to advance innovative, integrated, and multimodal solutions to congestion relief in the most congested metropolitan areas of the United States"				●						●	
11405	Promoting Resilient Operations Transformative, Efficient, and Cost-saving Transportation (PROTECT) Program	G(f/c)	"to provide grants or resilience improvements"				●							
11504	study of impacts on roads from self-driving vehicles	n/a	"initiate a study on the existing and future impacts of self-driving vehicles to transportation infrastructure, mobility, the environment, and safety"		✓	✓	✓			✓✓				
11510	cybersecurity tool; cyber coordinator	n/a	"develop a tool to assist transportation authorities in identifying, detecting, protecting against, responding to, and recovering from cyber incidents"; "designate an office as a cyber coordinator"		●			●						
13005	Emerging Technology Research Pilot Program	n/a	for "accelerated pavement testing research regarding the impacts of connected, autonomous, and platooned vehicles on pavement and infrastructure performance"		✓			✓						
13006	Research and Technology Development and Deployment (b)(6)(G) "Advanced Transportation Technologies and Innovative Mobility Deployment" [previously the ATCMTD grant program]	G	includes projects "retrofitting dedicated short-range communications (DSRC) technology deployed as part of an existing pilot program to cellular vehicle-to-everything (C-V2X) technology, subject to the condition that the retrofitted technology operates only within the existing spectrum allocations for connected vehicle systems"		✓			✓						
13006	Research and Technology Development and Deployment (c)	n/a	establishes a Center of Excellence on New Mobility and Automated Vehicles; adds language about defining a Highly Automated Vehicle as part of the Center of Excellence on New Mobility and Automated Vehicles. This may be the first time that "Highly Automated Vehicle" has been defined in US Code.		✓			✓		✓✓		✓		
13007	Workforce Development, Training, and Education	G	"A program to make grants to educational institutions or State departments of transportation" for curricula and education programs							●				
13009	Transportation Resilience and Adaptation Centers of Excellence	n/a	designating 10 regional and one national CoEs for resilience for disasters and extreme weather; lead by institution of higher education with consortium of nonprofit organizations				●							
24213	New Car Assessment Program	n/a	expands the NCAP to include advanced crash-avoidance technologies		✓	✓								
24219	research on connected vehicle technology	n/a	reports to Congress on research into CV interactions with vulnerable road users			✓		✓						
25001	ITS Program Advisory Committee	n/a	expands the committee membership		●								●●●	
25002	Smart Community Resource Center	n/a	makes available to the public a compilation of resources and links related to ITS programs and smart community transportation programs			●								
25003	Federal Support for Local Decision-Making	n/a	directs the Bureau of Transportation Statistics to perform outreach with data to support making infrastructure investment decisions							●●				●
25005	Strengthening Mobility and Revolutionizing Transportation [SMART] Grant Program	G	"provide grants to eligible entities to conduct demonstration projects focused on advanced smart city or community technologies and systems in a variety of communities to improve transportation efficiency and safety"			●●●●	●	✓	●●●●●●●●●●●●●●●●					●●
25006	USDOT/DOE to establish an "electric vehicle working group"	n/a	"establish an electric vehicle working group to make recommendations regarding the development, adoption, and integration of light-, medium-, and heavy-duty electric vehicles into the transportation and energy systems of the United States"				●							
25008	coordination on emerging transportation technology	n/a	requires the Secretary to establish an internal Nontraditional and Emerging Transportation Technology Council (Codifies an existing council within the USDOT)		●	●		●	●			●	●●●●	
25020	transportation workforce development	n/a	requires (a) a workforce assessment, (b) establishment of a Federal working group, and (c) an outreach program on workforce development for ITS and systems							●				
60102	broadband deployment grants	G	establishes the Broadband Equity, Access, and Deployment Program for State grants "to bridge the digital divide"					●		●●				

* G - grant. (c) - competitive. (d) - discretionary. (f) - formula. P - program. n/a - not applicable.