PLATFORM AND RECOMMENDATIONS
Moving People, Data, and Freight: Safer, Greener, Smarter.

ITS America’s vision is “A better future transformed by intelligent mobility – one that is safer, greener, and smarter.” Our mission is to advance the research and deployment of intelligent transportation technologies and solutions to save lives, improve mobility, promote sustainability, and increase efficiency and productivity.

Our focus is policy that accelerates seamless mobility technology, connected and automated vehicle technologies, and smart infrastructure; policy that breathes new life into our transportation infrastructure by expanding investments in technologies that support smart communities; and policy that encourages new models and modes of transportation, including micro-transit, rideshare, carshare, bikeshare, micro-mobility, and unmanned systems. Investments in these new modes should also address issues of transportation equity so everyone gains access to mobility and opportunity. That said, our first and foremost priority has been, and continues to be, safety.

Founded as an official advisory board on road technology to the U.S. Department of Transportation, ITS America represents state and city departments of transportation, metropolitan planning organizations, automotive manufacturers, technology companies, engineering firms, automotive suppliers, insurance companies, and research and academic universities.[1] Our Board Chair is Malcolm Dougherty, Senior Vice President and Practice Lead, Transportation, Michael Baker International and former Director, California Department of Transportation; our Vice-Chair is Jennifer Cohan, Secretary, Delaware Department of Transportation.

[1] The ITS America Board is represented by the following companies: AAA, AECOM, Arizona Department of Transportation, California Department of Transportation, California PATH University of California Berkeley, Conduent, Central Ohio Transit Authority, Crown Castle, Cubic, Delaware Department of Transportation, District of Columbia Department of Transportation, Econolite, Ford Motor Company, General Motors, Gridsmart, PrePass Safety Alliance, HNTB, Iteris, Kapsch TraffiCom North America, MCity, Michael Baker International, Michigan Department of Transportation San Francisco Bay Area Metropolitan Transportation Commission, National Renewable Energy Lab, New York City Department of Transportation, Panasonic North America, Pennsylvania Department of Transportation, Qualcomm, Southwest Research Institute, State Farm Insurance, Toyota, Texas Transportation Institute, Utah Department of Transportation, Washington State Department of Transportation.
Over the years since the Fixing America’s Surface Transportation (FAST) Act was signed into law, automated and connected vehicle technologies have advanced, the collection and use of big data has become an increasingly valuable tool for decision makers, electrification of vehicles of every type from human scale to large-scale continues, and Mobility on Demand services are transforming how we get around. These technologies allow additional freedom of movement for those who have limited mobility access, such as people with disabilities, older adults, and those living in transit deserts. Technology advancements will also help begin to reduce the epidemic of fatalities on our roadways.

For these reasons, ITS America supports a FAST Act reauthorization that recognizes the added value of integrating technology into transportation infrastructure and services and provides funding for the rapid deployment of intelligent transportation technologies quickly and uniformly to transportation agencies and providers across the entire country.

Just as transportation infrastructure was critical to the development of our economy in the 20th century, maintenance of existing infrastructure and deployment of intelligent mobility and smart infrastructure will be critical for our global competitiveness in this century. Advances in robotics, artificial intelligence, and wireless communications will define the way people, goods, services, and information move in the 21st century.

New forms of mobility are being deployed even as others are being developed. When cars were invented a century ago, Departments of Roads were created to build infrastructure for this new form of transportation. Those agencies are now Departments of Transportation, having grown to include many modes of transportation. Now those same agencies are evolving again to provide seamless multimodal mobility and to build smart infrastructure that will support the technology-driven 21st-century economy, which is all about moving, people, data, and freight.

Our members come to one table—ITS America—to shape the next generation of transportation and infrastructure driven by intelligent transportation technologies.

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President and CEO  
The Intelligent Transportation Society of America
# TABLE OF CONTENTS

**INTRODUCTION**  
1. Increase Investments in Research and Deployment of Intelligent Transportation Technologies  
   1.1. Ensure the solvency of the Highway Trust Fund  
   1.2. Transition to a long-term and sustainable revenue source for transportation  
   1.3. Support additional funding for intelligent transportation technologies  
   1.4. Support a national Vehicle Miles Traveled (VMT) pilot program  
   1.5. Support and expand the existing state pilot program  
   1.6. Support a national study to apply fuel excise taxes to grid acquired electricity used in transportation  
   1.7. Include large freight shippers as participants in a national VMT pilot  
   1.8. Maintain federal programs that allow state, metropolitan area, and city congestion pricing strategies; fund the Value Pricing Pilot Program to provide congestion pricing grants to state, metropolitan areas, and local governments  
   1.9. Support policy that increases multimodal funding to improve supply chain efficiencies at ports and throughout the multimodal network  
   1.10. Support funding for Maritime Administration’s Port Infrastructure Development Program  
   1.11. Increase funding and federal share to 80% for the Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) program  
   1.12. Support policy that makes vehicle-to-pedestrian (V2P) technologies an eligible activity under ATCMTD  
   1.13. Adopt the Federal Transit Administration (FTA) Mobility-on-Demand Sandbox demonstration grant program rules regarding private sector partners for the ATCMTD Program  

2. Safeguard Critical Transportation Infrastructure from Cybersecurity Threats  

3. Prioritize the 5.9 GHz Spectrum for Vehicle-to-Everything (V2X) Public Safety Transportation Communications and Grow Investments in Vehicle-to-Infrastructure (V2I) and V2P Technologies  
   3.1. Support policy that makes clear the 5.9GHz band is prioritized for existing, new, and developing V2X technologies  
   3.2. Support a policy that ensures all three phases of testing for the 5.9 GHz band are complete  
   3.3. Increases the federal match to 100% for installation of vehicle-to-infrastructure (V2I) safety technologies  
   3.4. Expand eligibility, under the ATCMTD program, to include V2P technologies  

4. Expand Investments in Advanced Mobility Improvements  
   4.1. Expand eligibility under highway programs to include advanced mobility improvements  

5. Plan for Transformative Transportation Technologies  
   5.1. Support policy that provides additional planning funds to address complexities around transformative transportation technologies and climate change  
   5.2. Support policy that provides additional planning funds and flexibility to the planning process to prepare for connected and automated vehicles  

6. Deploy Broadband to Support Intelligent Transportation Technologies  

7. Increase Buildout of Alternative Fuel Vehicle Infrastructure to Support a Future of Zero Emission Vehicles  
   7.1. Establish a grant program to invest in electric vehicle charging and hydrogen fueling infrastructure
7.2. Support policy that increases federal funding to rapidly build out alternative vehicle fueling infrastructure
7.3. Support policy that maintains the zero-emission plug-in electric vehicle tax credit
7.4. Provide an additional allocation of zero-emission plug-in electric vehicle tax credits for medium-duty commercial delivery vans
7.5. Support policy that reinstates a zero-emission consumer tax credit for fuel cell vehicles

8. Build Transformative and Adaptive Infrastructure for Deployment of Intelligent Transportation Technologies to Mitigate Climate Change
   8.1. Support a new program to make transportation networks more resilient with climate change responsive to the technology-fueled transformation in how people and goods move
   8.2. Support policy to make eligible funding for renewable energy projects in the interstate rights-of-way for transportation use

9. Establish A Mobility-on-Demand Program for the New World of Mobility
   9.1. Support flexibility with federal highway and transit funding to meet changing mobility needs
   9.2. Support increased federal funding to public transit
   9.3. Support a data sharing framework
   9.4. Make permanent and increase funding for FTA MOD Sandbox

10. Strengthen the University Transportation Centers Program
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1. POLICY: INCREASE INVESTMENT IN RESEARCH AND DEPLOYMENT OF INTELLIGENT TRANSPORTATION TECHNOLOGIES.

Intelligent transportation technologies advance transportation safety and mobility, reduce congestion, improve air quality, and enhance American productivity by integrating advanced technologies into transportation infrastructure, operations, and vehicles. Only with investment certainty will the nation finally see and benefit from the research and the large-scale transformational deployments of intelligent transportation technologies that will define the way people, goods, services, and information move in the 21st century - and most importantly, finally help begin to reduce the epidemic of fatalities on our roadways.

ITS America Recommendation

- Ensure the solvency of the Highway Trust Fund; transition to a long-term and sustainable revenue source for transportation; and support additional funding for intelligent transportation technologies.

- Increase funding authorizations from the Highway Trust Fund for research, development, and demonstration of intelligent transportation systems technology to secure the United States' global leadership in the development and deployment of advanced transportation technologies. Ensuring United States technological leadership in transportation will have broad and substantial safety and economic benefits.

- Support a national Vehicle Miles Traveled (VMT) pilot program and support and expand the existing state pilot program to test the viability of a VMT user fee collection system. The programs should, at a minimum, consider equity among users, determine the efficiency in collection of fees and address any diversion of revenue, and resolve driver privacy issues.

- In conjunction with a national VMT pilot program, support a national study to apply fuel excise taxes to grid acquired electricity used in transportation. In connection with a national VMT pilot, include large freight shippers as participants and examine if fleet telematics can be used as a method of data collection.

- Maintain federal programs that allow state, metropolitan areas, and city congestion pricing strategies to reduce congestion and to raise revenues to support transportation improvements and improve trip time reliability; fund the Value Pricing Pilot Program to provide grants to state, metropolitan areas, and local governments to demonstrate to what extent congestion may be reduced and person-throughput can be increased through application of congestion pricing strategies, and the magnitude of the impact of such strategies on driver behavior, traffic volumes, transit ridership, air quality and availability of funds for transportation programs.

- Support increased funding for Intelligent Transportation Systems (ITS) programs to streamline the movement of goods beginning at ports and through the multimodal supply chain.
• Support policy that increases funding to improve supply chain efficiencies at ports and throughout the multimodal network the serve ports by increasing multimodal funding under current FAST Act formula programs and removing the multimodal caps from the Infrastructure for Rebuilding America (INFRA) grants. Support funding for Maritime Administration’s (MARAD) Port Infrastructure Development Program that includes freight intelligent transportation systems and digital infrastructure systems as an eligible project.

1.1 ADVANCED TRANSPORTATION AND CONGESTION MANAGEMENT TECHNOLOGIES DEPLOYMENT (ATCMTD) PROGRAM

The Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) program funds cutting-edge technologies that are ready to be deployed to enhance traffic capacity for commuters and businesses. The FAST Act established ATCMTD to make competitive grants for the development of model deployment sites for large-scale installation and operation of advanced transportation technologies.

ITS America Recommendation

• Amend 23 U. S. C. §503 (c) to authorize and dedicate separate funding for the Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) program. Under the FAST Act, the ATCMTD program has been funded through a set-aside from the Highway Research and Development, Technology and Innovation Deployment, and Intelligent Transportation System Research programs and has resulted in a reduction of transportation research and development that has historically propelled United States leadership in areas such as connected and automated vehicle development as well as the emerging area of artificial intelligence in mobility management.

• Increase funding and federal share to 80% for the ATCMTD program to account for the overwhelming demand for advanced transportation and congestion management technologies. In 2017, the Federal Highway Administration (FHWA) received 68 applications from 52 states and localities requesting more than $362 million. In 2016, FHWA received 81 proposals requesting more than $509 million. (See increased funding for base grant program in 104(b) amendments).

• Increase the federal share to 100% for safety critical connected vehicle technologies including Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I), and Vehicle-to-Pedestrian (V2P). Support policy that makes V2P technologies an eligible activity under ATCMTD at 100% federal share.

• Make safety databases required of Automated Driving System (ADS) Demonstration Grants eligible for ATCMTD funding.

• Adopt the FTA Mobility on Demand (MOD) Sandbox demonstration grant program rules regarding private sector partners. Under the MOD program, the FTA may determine that any named project partner in the proposal is a key partner and make any award conditional upon the participation of that key partner. A key partner that is essential to the project, as approved by FTA, is eligible for a noncompetitive award by the applicant to provide the goods or services described in the application. A key partner’s participation on a selected project may not later be substituted.
without FTA's knowledge and approval. Eligible project partners under the MOD Sandbox program may include a private for-profit and not-for-profit organization, including shared use mobility providers and technology system suppliers.

- Support policy for Cooperative Automation Research Mobility Applications (CARMA).

2. **POLICY: SAFEGUARD CRITICAL TRANSPORTATION INFRASTRUCTURE FROM CYBERSECURITY THREATS**

As vehicles and infrastructure become more connected, our nation’s transportation system faces increasing cybersecurity risks. Given the ability to cause loss of life and inflict significant economic damage in a highly visible manner, cybersecurity attacks directed at those producing or operating technologies travelling over or connected to U.S. roadways will intensify.

**ITS America Recommendation**

- Support policy that would provide states and localities funding and technical assistance to safeguard critical transportation systems that are more reliant than ever on connectivity to communicate and exchange data from cybersecurity threats.

- Amend 23 U. S.C. § Sections 119, 133, 167, and 148 of 23USC to authorize that funds made available may be used to implement measures to protect highways, roads, bridges, and tunnels against cybersecurity threats to transportation infrastructure by allowing system access only as authorized and preventing malicious activity.

- Amend 49 U. S. C. Chapter 53 of Subtitle III of 49USC to protect public transportation systems from cybersecurity threats – Amend § 5302 definitions to include measures to protect against cybersecurity threats under the definition of Capital Project to allow system access only as authorized and prevent malicious activity.

- Amend 23 U. S. C. § 503(c)(4)(E) to include measures to protect against cybersecurity threats as an eligible use of grants.

- Provide funding for risk assessments and planning services; developing best practices supporting cyber protection of legacy infrastructure, software and hardware solutions; implementing active and predictive threat monitoring services; deploying continuous monitoring and attack mitigation cyber security technologies and devices to harden traffic management systems and operations centers, creating Security Operations Centers (SOCs); and providing cybersecurity training to cybersecurity staff and other staff.

- Eligible activities include operating Intelligent Transportation System networks (ITS Networks) that enable infrastructure owner-operators to actively manage and protect transportation system such as secure traffic signal and sensor networks; secure wireless, wired, and fiber-optic networks; toll lane devices and systems; secure devices and systems to provide reliable and authoritative traveler information (VMS, websites, handheld device applications, in-vehicle information systems, etc.); active traffic management systems (lane use signals, variable speed limits); camera networks; weather-incident management systems; rock fall, flood, and avalanche detection systems; seismic detection systems; connected vehicle systems (Vehicle-to-Everything; Vehicle-to-Infrastructure; Vehicle-to-Vehicle).
infrastructure, other vehicles, people, cyclists, etc.); and Security Credential Management System (SCMS) that ensures connected vehicle technologies operate in a safe, secure, and privacy-protective manner.

3. POLICY: PRIORITIZE THE 5.9 GHZ SPECTRUM FOR VEHICLE-TO-EVERYTHING (V2X) PUBLIC SAFETY TRANSPORTATION COMMUNICATIONS AND GROW INVESTMENTS IN VEHICLE-TO-INFRASTRUCTURE (V2I) AND VEHICLE-TO-PEDESTRIAN (V2P) TECHNOLOGIES

The U.S. Department of Transportation is working with industry and public sector stakeholders to develop and evaluate cooperative technologies, equipment, and applications known as Connected Vehicle (CV) technologies that operate in the 5.9 GHz band, inclusive of Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I), and Vehicle-to-Pedestrian (V2P) – collectively referred to as V2X; this includes all V2X technologies – Dedicated Short Range Communications (DSRC) as well as Cellular vehicle-to-everything (C-V2X) – because it can be configured to enable real-time crash-avoidance alerts and warnings—offering a significant opportunity to achieve a transformation in transportation safety.

Cable companies and their supporters are seeking additional spectrum for enhanced WiFi experience and are aggressively pressuring the FCC to force public safety transportation communications operating in the 5.9 GHz band to share that spectrum with unlicensed consumer broadband devices.

Speed matters when safety information is involved. Sharing the band could compromise the speed and put lives at risk. What if a driver knew, in fractions of a second, that an airbag deployed in a car in front of them? Alternatively, that the car in front, around the next curve, was sliding on black ice? Or a person is walking just around the next corner? Thanks to V2X, that driver would react – and avoid a crash.

Deploying V2X that allow cars, trucks, bicycles, motorcycles, streetlights and other infrastructure to talk to each other will ensure more people travel safely. Safety is the top priority of the nation’s transportation system.

ITS America Recommendation

- Support policy that makes clear the 5.9 GHz band is prioritized for existing, new, and developing vehicle-to-everything (V2X) technologies that send hazard alerts to infrastructure, motorists, pedestrians, and other transportation system users and hold the promise to enhance automated driving systems.

- Support a policy that ensures all three phases of testing for the 5.9 GHz band are complete before the Federal Communications Commission (FCC) rules on whether the spectrum can be shared between V2X operations and unlicensed devices like WiFi. Any unlicensed use in the band should be done without harmful interference to the incumbent technology or other intelligent transportation systems technologies.

- Request a report from the U.S. Department of Transportation on the outcomes of the FCC studies.

3.1. VEHICLE-TO-INFRASTRUCTURE (V2I)

V2I communications, which involves the exchange of safety and operational data between vehicles and elements of the transportation infrastructure, offers a wide range of safety benefits. V2I provides vehicles
and drivers information about infrastructure operations -- weather and pavement condition, how signals are directing traffic, and even the location of potential hazards at intersections and other critical road safety hotspots. V2I applications include red light violation warnings, reduced speed zone warnings, curve speed warnings, and spot weather impact warnings. V2I soon will support other applications that will disseminate the condition of the infrastructure, such as bridge integrity, and may even collect vehicle data that describes pavement condition.

According to NHTSA, V2I technology helps drivers safely negotiate intersections and could help prevent 41 to 55 percent of intersection crashes. Another connected vehicle safety application that helps drivers with left turns at intersections could help prevent 36 to 62 percent of left-turn crashes, according to NHTSA. In addition to the lives saved, just these two applications alone could prevent up to 592,000 crashes and 270,000 injuries each year.

**ITS America Recommendation**

- Increase the federal match to 100% for installation of V2I safety technologies. Expand eligibility to include data collection and analysis software (including data acquisition through private sector partnership), maintenance and operations, fiber, integration, the costs associated with systems, and equipment required for V2I communications technology. Amend 23USC §120(c) to make all V2I safety projects eligible to receive up to 100% federal share. Amend 23USC § 503(c)(4) to allow any project to receive up to 100% federal share of project costs.

3.2. VEHICLE-TO-PEDESTRIAN (V2P)

V2X will enable us to deploy safety solutions to protect vulnerable users of the system, which will be transformational. V2P encompasses a broad set of road users - people walking, children being pushed in strollers, people using wheelchairs or other mobility devices, passengers embarking and disembarking buses and trains, and people riding bicycles and scooters. Pedestrian detection systems can be implemented in vehicles, in the infrastructure, or with pedestrians themselves to provide warnings to drivers, pedestrians, or both. By allowing vehicles to communicate with these users through sensors or vehicle-to-device communication, we can significantly reduce the number of pedestrians killed on our roadways.

**ITS America Recommendation**

- Expand eligibility, under the Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) program, to include V2P technologies. Allow up to 100% federal share for these safety projects. Amend 23 U. S. C. § 503(c)(4)(E) to include advanced vulnerable road user safety information systems. Amend 23 U. S. C. § 503(c)(4)(J) to allow up to 100% federal share of the cost of a project.

4. **POLICY: EXPAND INVESTMENTS IN ADVANCED MOBILITY IMPROVEMENTS**

Expand eligibility under highway programs to include advanced mobility safety improvements including data infrastructure and analysis, smart mobility improvements such as smart truck parking, smart work zones, smart pavements, predictive analytics platform, and build out of electric vehicle charging stations, hydrogen fueling infrastructure, natural gas fueling infrastructure, and other alternative fuels.
ITS America Recommendation

- Amend 23 U. S. C. Federal-Aid Highways to include as an eligible project or program the deployment of advanced transportation safety improvements, including data infrastructure and analysis, smart mobility improvements such as smart truck parking, smart work zones, and smart pavements.

- Amend 23 U. S. C. §133(b), §119(d), § 167 – to make eligible a project or program to establish electric vehicle charging stations or natural gas or hydrogen vehicle refueling stations for the use of battery powered or natural gas or hydrogen fueled trucks or other motor vehicles at any location in the state (giving priority to corridors designated under section 151) except that such stations may not be established or supported where commercial establishments serving motor vehicle users are prohibited by section 111 of title 23, USC.

5. POLICY: PLAN FOR TRANSFORMATIVE TRANSPORTATION TECHNOLOGIES

States, providers of public transportation and Metropolitan Planning Organizations (MPOs) are expanding beyond traditional long-range scenario planning, which holds fixed certain transportation and land use assumptions, to consider big questions facing the transportation system, including whether connected and automated vehicles will increase the vehicle capacity of existing highway lanes; how automation and active transportation connections might help solve the first mile/last mile transit challenge; what roadway investments could incentivize the shift to connected and automated vehicles; how to make sure the entire transportation system is working together; and how to expedite technology safety benefits.

Increased funding and flexibility will help planners analyze project performance across a range of different futures, including ensuring all modes of transportation work in concert and will lead to more informed project prioritization that maximizes the benefits of connected and automated technologies. Increased planning funding will also support states and MPOs in fulfilling current performance-based planning mandates, which were added in the 2012 transportation authorization without a commensurate increase in planning resources.

ITS America Recommendation

- Support policy that provides additional planning funds to help regions and states better address complexities around transformative transportation technologies and climate change in the context of an integrated multimodal transportation system.

- Support policy that provides additional planning funds and flexibility to the planning process to prepare for a range of possible connected and automated vehicle futures scenarios.

- Amend section 23 U. S. C. § 104(b)(6) and 49 U. S. C. § 5338 to increase the amount of funding for Metropolitan Planning.

6. POLICY: DEPLOY BROADBAND TO SUPPORT INTELLIGENT TRANSPORTATION TECHNOLOGIES

Telecommunication technologies, such as broadband, are essential to the transport of people, data, and freight. Assisting states and localities with recovering costs associated with conduit installation,
maintenance of conduit, and conduit inventory is critical to increasing broadband installation, especially in rural areas and economically disadvantaged urban areas. Combining broadband conduit installation with highway and road construction will result in decreased frequency of construction on highways and roads, reduce broadband installation costs, increase access to and reliability of broadband networks, increase public and economic benefits, and decrease the time needed to deploy fiber.

Nothing in this policy proposal establishes a mandate or requirement that a state or locality install broadband infrastructure in a highway right-of-way.

ITS America Recommendation

- Amend 23USC to add a new authorization that supports smart highways and streets with broadband fiber optic cable to make roads safer by establishing new federal funding to assist states and localities to:
  - Identify a broadband utility coordinator to facilitate the broadband infrastructure right-of-way efforts within the state;
  - Register broadband infrastructure entities that seek to be included in those facilitation efforts;
  - Establish a process to electronically notify such entities of the state transportation improvement program on an annual basis;
  - Coordinate statewide telecommunication and broadband plans and state and local transportation and land use plans, including strategies to minimize repeated excavations that involve the installation of broadband infrastructure in a right-of-way; and
  - That any existing broadband infrastructure entities are not disadvantaged.

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7. POLICY: INCREASE BUILDOUT OF ALTERNATIVE FUEL VEHICLE INFRASTRUCTURE TO SUPPORT A FUTURE OF ZERO EMISSION VEHICLES

Alternative Fuel Vehicles are shaping the future of mobility, and the United States is poised to lead a global transition to zero emission vehicles (ZEV). Nevertheless, U.S. government analysis suggests that additional ZEV infrastructure investments will be required to satisfy the future of transportation. ZEV sales continue to increase year-over-year; however, these new mobility options will need 21st century infrastructure to continue to spur consumer adoption and address consumers’ “range anxiety”. U.S. government analysis suggests that current and projected deployments represent only a fraction of the estimated demand. According to a 2017 U.S. Department of Energy report, the U.S. will require 600,000 Level 2 plugs and 25,000 DC fast charger plugs by 2030 to fuel the electric market alone. Additionally, a 2017 study commissioned by the U.S. Department of Energy found that a network of 1,500 to 3,300 hydrogen stations would be needed to serve a market of millions of fuel cell vehicles by 2035.

ITS America Recommendation

- Establish a grant program to support state and local governments’ efforts with infrastructure providers to invest in electric vehicle charging and hydrogen fueling infrastructure along designated alternative fuel corridors.

- Support policy that increases federal funding under the Surface Transportation Block (STBG) Grant program and Congestion Mitigation and Air Quality (CMAQ) program to rapidly build out
electric vehicle charging stations, hydrogen refueling stations, natural gas infrastructure, and technologies such as inductive charging to speed the deployment.

- Support policy that maintains the zero-emission plug-in electric vehicle tax credit. Provide an additional allocation of zero-emission plug-in electric vehicle tax credits reserved for medium-duty commercial delivery vans.

- Support policy that reinstates a zero-emission consumer tax credit for the purchase of fuel cell vehicles.

8. **POLICY: BUILD TRANSFORMATIVE AND ADAPTIVE INFRASTRUCTURE FOR DEPLOYMENT OF INTELLIGENT TRANSPORTATION TECHNOLOGIES TO MITIGATE CLIMATE CHANGE**

States, metropolitan regions, and cities will require substantial investment to adapt infrastructure to be resilient in a changing climate and responsive to a new mobility paradigm. Federally supported, near-term infrastructure improvements will provide the dual benefit of immediately mitigating carbon-emitting congestion while preparing our nation for intelligent mobility and smart infrastructure. For example, a high-speed communications infrastructure backbone would support near-term congestion-reduction and air quality improvement strategies like smart traffic signal operations while laying the foundation for future vehicle-to-vehicle and vehicle-to-infrastructure communications.

**ITS America Recommendation**

- Establish a new flexible program to make transportation networks more resilient in the face of a changing climate and more responsive to the technology-fueled transformation in how people and goods move.

- The program should be highly flexible, mode-neutral and include formula and discretionary components. Eligible projects should include capital and operational investments that improve both near-term and long-term system safety and performance. Examples include programs to support deployment of automated vehicles; V2X communications technologies; priced managed lanes; transportation demand management programs; strategic micro-transit investments; advanced parking freight delivery and incident management systems; alternative fuel charging infrastructure and other advanced technologies to support a clean transportation system; and climate mitigation/resiliency improvements.

- In lieu of a new program, the next bill should provide resources for 21st century transportation investments through existing FAST Act programs by expanding project eligibility within these programs.

- Support policy to make eligible funding for renewable energy projects in the Interstate rights-of-way for transportation use by states and localities for transportation related facilities (conversion and/or removal of existing lighting systems to high efficiency technologies, alternative fueling infrastructure, maintenance buildings, rest areas, etc.) on-site (including through net metering) or off-site through off setting electricity bills at other sites.
9. **POLICY: ESTABLISH A MOBILITY ON DEMAND (MOD) PROGRAM FOR THE NEW WORLD OF MOBILITY**

In the 21st century, mobility is less about moving vehicles and more about moving people, data and freight. Long-existing silos among cities, states, counties, road and transit agencies are disappearing; and private mobility service providers barely existed a decade ago. More choices exist now, but for people to fully realize the benefits of this new world of mobility, it must be easier to choose which option best meets their needs. This also means services that are accessible for every traveler and in all communities and neighborhoods. In cities, Mobility on Demand (MOD) offers convenient, affordable, and, in the case of bikeshare, rideshare or micromobility services, more sustainable alternatives to driving within congested environments. For suburban areas, MOD offers first mile/last mile accessibility to transit, as well as more dynamic on-demand services to get around town. While often seen as an urban/metro transportation solution, MOD deployed in rural areas also provides first mile/last mile (though more like first/last 50 miles) connections to transit, intercity bus and rail transport, and essential air service airports. Rideshare and ride sourcing is providing support for seniors to access social and health services. Micromobility services offer options to travel in town. MOD includes bikeshare and scooter share deployments on college campuses. New and improved MOD transit and paratransit services also can benefit rural communities.

**ITS America Recommendation**

- Support a MOD program with funding that encourages flexibility with federal (FHWA/FTA) funding to meet changing mobility needs including partnerships with companies offering shared-use trips (car, bicycle, new mobility modes), data management, and other technology companies for first mile/last mile services and improved freight delivery, the integration of mobility services and technologies, and new fare and integrated payment technologies.

- Support increased federal funding to public transit as it will be a key component in any successful implementation of MOD. Support policy that makes clear the MOD should leverage public transportation investment.

- Support a data sharing framework that provides standardization for the transfer of data among transportation operators and providers to foster the efficient use of capacity, enhance management of new modes of mobility, and promote the creation of innovative planning tools.

- Make permanent and increase funding for the FTA MOD Sandbox demonstration grant program, which experienced overwhelming demand for innovative approaches to integrating emerging mobility solutions within a public transportation framework. Increase funding in 49USC Chapter 5, Section 5338 for the Public Transportation Innovation authority under Section 5312(b).

- Support policy that makes clear that accessibility and equity are a foundational pillar of Mobility on Demand (MOD).
10. POLICY: STRENGTHEN THE UNIVERSITY TRANSPORTATION CENTERS PROGRAM

The U.S. Department of Transportation invests in the future of transportation through its University Transportation Centers (UTC) Program, which awards and administers grants to consortia of colleges and universities across the United States. The UTC Program advances the state-of-the-art in transportation research and technology and develops the next generation of transportation professionals. The Congressionally mandated program has been in place since 1987 to help address our nation’s ever-growing need for the safe, efficient and environmentally sound movement of people and goods.

ITS America Recommendation

- Support reforms in the University Transportation Centers program that directs grants to universities with research and technical expertise; encourages leading edge as well as near-term practical applied research (reduce the time period from research concept to completion); encourages broader inclusion of ITS-related curriculum, degrees, and professional development programs for current and future workforce; and increases opportunities for private sector funding contributions.
ITS America acknowledges the contributions of ITS America Smart Infrastructure Task Force FAST Act Reauthorization co-chairs John Barton, National DOT Market Sector and Senior Vice President, HNTB, and Tina Quigley, Chief Executive Officer, Regional Transportation Commission of Southern Nevada, and more than 40 members of the task force representing the strength of ITS America: states, cities, metropolitan planning organizations, automakers, technology companies, research universities, and engineering, construction, and technical services firms. ITS America acknowledges the assistance of Boyagian Consulting.

For more information on ITS America’s FAST Act Reauthorization Platform: Moving People, Data, and Freight, contact ITS America Vice President of Legislative Affairs Ron Thaniel at rthaniel@itsa.org.