



Biden-Harris Administration Announces Investments in Innovative Transportation Technology Projects

Thursday, March 14, 2024

Made possible by President Biden's Investing in America Agenda, these awards invest in smart city and community technology projects in communities around the U.S.

WASHINGTON – Today, U.S. Transportation Secretary Pete Buttigieg announced more than \$50 million in grant awards for [34 technology demonstration projects](#) across the country through the **Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program**.

...

Selected projects, as demonstrated in this partial list, focus on how various technologies make transportation safer, cleaner, more equitable, and more affordable across the country in both rural and urban settings:

- Projects including the City of Chattanooga, TN, Charleston, SC, and the Confederated Tribes and Bands of the Yakama Nation in WA, focus on using connected vehicle and smart roadside sensors to improve safety for drivers, pedestrians, and other road users on urban streets and rural highways.
- In Wyoming and Maryland, statewide highway projects will address work zone safety for highway crews through data sharing and speed management.
- Talladega, AL will deploy smart traffic signals and sensors near the Alabama Institute for the Deaf and Blind to detect and protect pedestrians.
- Projects in Denver, CO and Contra Costa County, CA will streamline and unify dozens of disparate paratransit providers and systems to make them more accessible.
- Building on last year's uncrewed aerial systems (UAS) grants, two new projects in the southern Allegheny mountains in Pennsylvania and the eastern shore of Maryland will use UAS to deliver emergency and chronic medical supplies to remote areas.
- In Canovanas, Puerto Rico, and Broward County, FL, projects will build new digital models of transportation infrastructure to better predict and track maintenance, target improvements, and communicate with the public – especially around storms, flooding, and other weather impacts.

...

.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Strengthening Mobility and Revolutionizing Transportation

Fiscal Year 2023 Planning and Prototyping Grants by State

Alabama

Recipient	Project Name	Funding	Project Type	Project Summary
City of Talladega, Alabama	Enhancing Safety & Equitable Accessibility in Talladega By Employing Latest Technologies (ESEATBELT)	\$1,123,432	Sensors	Update 41 signalized intersections with smart traffic signal technologies in cooperation with the Alabama Institute for the Deaf and Blind.

California

Recipient	Project Name	Funding	Project Type	Project Summary
City of Anaheim	Improving Safety & Efficiency through Connected Intersections Technologies in Anaheim	\$2,000,000	Connected & Automated Vehicles	Use off-the-shelf V2X technologies and automated traffic signal performance measures to test the effectiveness of signal priority and red-light violation warning use cases at signalized intersections on two corridors.
City of Fontana	Leveraging Advanced Adaptive Signal Timing for Freight to Improve Safety, Climate, and Mobility	\$2,000,000	Smart Technology Traffic Signals	Compare RSU and CV2X adaptive signal timing technologies on three corridors to balance freight movement with resident traffic.
Contra Costa Transportation Authority	Integrated Open Data Platform for Multimodal Accessible Transportation (OPTIMAT)	\$1,096,500	Transit Innovation	Develop and test an integrated, open standards-based, platform for finding, booking, and using paratransit options across 26 public and private organizations.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Los Angeles County Metropolitan Transportation Authority	Rail Crossing Gate Optimization Project	\$2,000,000	Transit Innovation	Upgrade rail crossing gate detectors with wireless technology and improve detection of pedestrians, drivers, and cyclists to reduce unnecessary gate downtime.
San Francisco Bay Area Rapid Transit District	BART Leveraging GTFS Pathways for Improved Wayfinding and Accessibility	\$2,000,000	Transit Innovation	Deploy digital wayfinding aids and station facility information, integrated and shared through public-facing endpoints in an open data standard.
Southern California Regional Rail Authority	Smart Track Intrusion Systems and Positive Train Control	\$1,300,000	Transit Innovation	Deploy AI for track intrusion detection, paired with positive train control systems, on a 1.5mi stretch of regional railway in a dense urban area.

Colorado

Recipient	Project Name	Funding	Project Type	Project Summary
Colorado Department of Transportation	The Coordinated Adaptive Ramp Metering (CARM) Expansion Project (Project)	\$1,473,277	Sensors	Deploy coordinated, automated, and adaptive ramp metering technologies to four highway onramp locations.
Denver Regional Council of Governments	DRCOG RideAlliance Human Service Transportation Trip Exchange Hub	\$975,486	Transit Innovation	Develop an integrated backend system to streamline and scale Denver's demand-response transportation services.

District of Columbia

Recipient	Project Name	Funding	Project Type	Project Summary
Washington Metropolitan Area Transit Authority	WMATA - Transit Data Standards and Analysis Infrastructure Framework	\$2,000,000	Transit Innovation	Develop and pilot an open-source data standard for transit operational data.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Florida

Recipient	Project Name	Funding	Project Type	Project Summary
Broward Metropolitan Planning Organization	SMART METRO	\$2,000,000	Sensors	Develop a digital twin of transportation, land use, and infrastructure data to support scenario modeling and infrastructure planning.

Georgia

Recipient	Project Name	Funding	Project Type	Project Summary
Henry County Government	Henry County Connected Vehicle Pilot and Plan Development	\$825,000	Connected & Automated Vehicles	Test CV2X technologies for emergency vehicle preemption at intersections.

Iowa

Recipient	Project Name	Funding	Project Type	Project Summary
East Central Intergovernmental Association	Metro Dubuque Traffic Data Aggregation for Connected Vehicles project	\$2,000,000	Connected & Automated Vehicles	Develop an open CV2X interface to disseminate near-real time transportation information across a 3-state area.

Illinois

Recipient	Project Name	Funding	Project Type	Project Summary
Chicago Transit Authority (CTA)	Bus Queue Jump Signal Pilot Project	\$1,500,000	Transit Innovation	Implement bus queue jump infrastructure and systems at 10 intersections.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Louisiana

Recipient	Project Name	Funding	Project Type	Project Summary
Shreveport Transit Management, Inc (City of Shreveport)	SporTran EMPOWER (Equitable Mobility, Public Outreach, Workforce Education, and Resilience)	\$995,400	Connected & Automated Vehicles	Develop curriculum and training for AV and EV transit operations in partnership with labor and workforce development partners, and engage community organizations, in anticipation of piloting autonomous, first-and-last-mile microtransit shuttle service.

Massachusetts

Recipient	Project Name	Funding	Project Type	Project Summary
City of Boston, Massachusetts	Digitizing Boston's Curbs Via Machine Learning	\$1,983,872	Curb Management	Develop a curb data inventory, using computer vision and machine learning to digitize street signs and update the inventory in real time.

Maryland

Recipient	Project Name	Funding	Project Type	Project Summary
Maryland Department of Planning	Maryland Eastern Shore Drone Medical Delivery	\$1,766,757	Uncrewed Aircraft System	Deploy uncrewed aerial systems to provide medical package deliveries to residents on the Eastern Shore and islands in the Chesapeake Bay.
Maryland Transit Administration (MTA)	MTA Cloud-Based Signal Priority	\$1,276,000	Smart Technology Traffic Signals	Install cloud-based transit signal priority solutions at 90 intersections on four high-frequency bus lines.
State Highway Administration of Maryland Department of Transportation	Real-time work zone speed management with multi-source data	\$1,610,000	Uncrewed Aircraft System	Collect speed data via uncrewed aerial systems to support real-time speed management in work zones.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Michigan

Recipient	Project Name	Funding	Project Type	Project Summary
Road Commission for Oakland County	Online Automatic Retiming of Traffic Signals Using Vehicle Trajectory Data	\$1,450,000	Smart Technology Traffic Signals	Leverage an automated algorithm for adaptive signal retiming at 30-40 intersections based on vehicle trajectory data.

New Hampshire

Recipient	Project Name	Funding	Project Type	Project Summary
State of New Hampshire	Moving Towards a Smart, Connected, and Interoperable Traffic Monitoring System	\$1,899,093	Sensors	Augment inductive loop detectors with IoT and AI to collect highly nuanced traffic, vehicle type, and weigh-in-motion data.

New Jersey

Recipient	Project Name	Funding	Project Type	Project Summary
New Jersey Transit Corporation	Artificial Intelligence for Light Rail and Grade Crossing Safety	\$1,625,095	Transit Innovation	Install AI video analytics to improve detection and safety at at-grade light rail crossings to inform safety countermeasures.

Nevada

Recipient	Project Name	Funding	Project Type	Project Summary
City of Las Vegas	SMARTer and Safer Way to Cross: AI-Powered Pedestrian Detection Systems	\$1,400,000	Sensors	Deploy and test passive pedestrian detection technology and responsive signals at 17 locations in a high-pedestrian traffic area.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

New York

Recipient	Project Name	Funding	Project Type	Project Summary
New York State Metropolitan Transportation Authority	NY MTA - Automated Train Inspection Portal	\$2,000,000	Sensors	Integrated railcar inspection system that would utilize a suite of sensors and software systems to create automated alerts of undesirable conditions.

Ohio

Recipient	Project Name	Funding	Project Type	Project Summary
Stark Area Regional Transit Authority	SMART Rider	\$1,975,000	Connected & Automated Vehicles	Equip transit vehicles with automated driver assistance system for collision avoidance.

Pennsylvania

Recipient	Project Name	Funding	Project Type	Project Summary
Pennsylvania Department of Transportation	V2X Data Exchange Vehicle Integration	\$1,784,556	Connected & Automated Vehicles	Pilot a V2X system for curve speed warnings via cellular network to drivers.
Southern Alleghenies Planning & Development Commission	Emergency Life Saving through Multi-modal Mobility (ELSa-M3)	\$1,925,256	Uncrewed Aircraft System	Use of uncrewed aerial systems to provide emergency response supplies in a rural region.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Puerto Rico

Recipient	Project Name	Funding	Project Type	Project Summary
Municipality of Canovanas	Enhancing Safety, Efficiency, and Equity Through Data-Driven Solutions for Canovanas Road System	\$1,150,000	Sensors	Develop a transportation asset inventory and system model through sensor-based data collection to inform infrastructure investments and public wayfinding.

South Carolina

Recipient	Project Name	Funding	Project Type	Project Summary
City of Charleston	SMART Phase 1: Planning & Prototyping Project – Calhoun Street Corridor in Charleston, SC	\$914,550	Sensors	Integrated sensors and responsive signaling at key intersections to predict cycle/pedestrian crossings and warn drivers.

Tennessee

Recipient	Project Name	Funding	Project Type	Project Summary
City of Chattanooga	Advancing Interoperable Connectivity for Improving Safety and Operations in the City of Chattanooga	\$2,000,000	Connected & Automated Vehicles	Implement a CV2X solution for detecting vulnerable road users at midblock crossings.

Texas

Recipient	Project Name	Funding	Project Type	Project Summary
The City of Fort Worth	Fort Worth Intelligent Micro-Weather Network for AV and Advanced Air Mobility SMART Grant	\$2,000,000	Sensors	Deploy a network of ground, low altitude, and roadway sensors for micro-weather modeling, to improve users of the Fort Worth Smart Port.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Washington

Recipient	Project Name	Funding	Project Type	Project Summary
City of Bellevue	Real-time Traffic Signal Safety Intervention (RTSSI) project	\$1,426,531	Sensors	Deploy sensors and smart traffic signals to make real-time safety improvements at intersections, focused on elderly pedestrians.
Confederated Tribes and Band of the Yakama Nation	Improve Roadway and Intersection Safety for Tribal and Communities using Technologies	\$1,525,133	Sensors	Deploy a purpose-built sensing and alerting system on US97 to collect key safety and road condition data and send safety messages in real time.

Wyoming

Recipient	Project Name	Funding	Project Type	Project Summary
Wyoming Department of Transportation	Wyoming's Work Zone Statewide Enterprise Data Environment	\$1,500,000	Work Zone	Modernize the work zone data environment for streamlined data collection and management.



U.S. Department of Transportation

Biden-Harris Administration Funds Innovative Projects to Create Safer, More Equitable, Transportation Systems

Tuesday, March 21, 2023

First round of grant awards, funded by the Bipartisan Infrastructure Law, supports projects to improve worker safety, make transit more reliable, and support local business districts

WASHINGTON – Today, U.S. Transportation Secretary Pete Buttigieg announced the first round of grants totaling over \$94 million for 59 projects across the country through the new **Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program**. The competitive grant program, established by President Biden’s historic Bipartisan Infrastructure Law, provides State, local, and Tribal governments \$500 million over five years to leverage technology to create safer, more equitable, efficient, and innovative transportation systems.

...

The full list of awards totaling \$94,783,781 can be viewed [here](#). The maximum award per project was \$2,000,000 for this round of funding. The next funding opportunity of \$100 million is expected to be released Fall, 2023.

An interactive map depicting all SMART projects can be found [here](#).



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Strengthening Mobility and Revolutionizing Transportation

Fiscal Year 2022 Planning and Prototyping Grants by State

Alaska

Recipient	Project Name	Funding	Project Type	Project Summary
Alaska Department of Transportation & Public Facilities	Alaska Rural Remote Operations Workplan (ARROW Program)	\$1,944,563	UAS	Use drone technology to conduct infrastructure inspections and gather situational awareness data essential to Rural Alaska's way of life on snow, ice, and overland trails, partnering with Alaska Native and Rural Villages.

Alabama

Recipient	Project Name	Funding	Project Type	Project Summary
Regional Planning Commission of Greater Birmingham	Community-driven Regional Mobility Engine for Accessible and Equitable Multimodal Public Transportation in Central Alabama	\$1,492,204	Transit Innovation	Convert existing public transportation systems in Central Alabama into an integrated mobility system leveraging cyberinfrastructure, route optimization and planning, service integration, trip dispatching, and more.

Arizona

Recipient	Project Name	Funding	Project Type	Project Summary
Arizona Commerce Authority	DRIVE Arizona: Digitizing Roadways with Innovative V2X Ecosystems for a safe, inclusive Arizona	\$1,747,708	Connected Vehicles	Demonstrate Back of Queue (BOQ) warning, Work Zone warning, and Transit Signal Priority (TSP) along Phoenix's I-17 and I-10 corridors.
City of Phoenix Street Transportation	City of Phoenix Passive Detection Technology for Bikes, Pedestrians and Motorists	\$1,965,000	Sensors	Implement passive detection for cyclists and pedestrians at existing HAWK signals as well as for vehicles, all along Phoenix's Grand Canal.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

California

Recipient	Project Name	Funding	Project Type	Project Summary
California Department of Transportation, Division of Construction	Deploying UAS Innovations for Remote, Autonomous Infrastructure Construction Inspection to Enhance Safety, Save Time, Reduce Costs and Lessen Carbon Emissions	\$430,036	UAS	Use drone technology for construction site condition inspections to support Caltrans pilot safety and operations at the Butte City Bridge Replacement project site and the East Otay Port of Entry project site in California.
City of Los Angeles	Code the Curb	\$2,000,000	Curb Management	Create a digital inventory of physical curb lane assets to improve management of the curb lane in Downtown Los Angeles.
City of San Jose	SMART Curbs: City of San Jose's Curb Digitization and Management Pilot	\$1,999,412	Curb Management	Collect curb inventory and utilization data to monitor curb uses, reallocate curb spaces, and provide real-time curb use information to users in San Jose.
Los Angeles County Metropolitan Transportation Authority	Event Integrated Ticketing Platform	\$2,000,000	Transit Innovation	Integrate transit trip-planning with the event ticketing process through an adaptable web program for safe access to events in Los Angeles, including the upcoming Olympic and Paralympic Games.
Orange County Transportation Authority	Pilot Innovative Cloud-Based Transit Signal Priority	\$1,600,000	Smart Traffic Signals	Deploy a cloud-based Transit Signal Priority (TSP) system by integrating existing signal systems, new multimodal ITS devices, and proactive signal operations to improve on-time arrival of OCTA's Harbor Boulevard <i>Bravo!</i> Rapid Bus Route.
San Francisco Municipal Transportation Agency	The Digital Curb Program: Revolutionizing Curb Management in San Francisco	\$1,999,607	Curb Management	Create and disseminate a digital curb inventory throughout San Francisco that includes location-specific and up-to-date



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

				regulations via an open data feed.
Santa Clara Valley Transportation Authority	Wheels on the Bus – Real-Time Data (RTD)	\$500,616	Transit Innovation	Evaluate technologies capable of collecting and disseminating real-time use data for front-mounted bus bike racks and interior mobility device securement equipment on VTA's bus route network.
Santa Clara Valley Transportation Authority	Transit Reliability Improvement and Performance System (TRIPS)	\$1,692,328	Smart Traffic Signals	Implement a multi-jurisdictional and connected Transit Signal Priority (TSP) system across Santa Clara County.

Colorado

Recipient	Project Name	Funding	Project Type	Project Summary
City of Colorado Springs	Perception-Based Adaptive Traffic Management and Data Sharing	\$1,776,200	Smart Traffic Signals	Plan, prototype, and test a multi-dimensional Perception-Based Adaptive Traffic Management and Data Sharing system in the Pikes Peak Region, partnering with academia, industry, and the National Renewable Energy Laboratory (NREL).
City of Fort Collins	Smart Grid Electric Vehicle Charge Management Solution	\$1,059,037	Smart Grid	Demonstrate a smart grid electric vehicle (EV) charge management solution for the City of Fort Collins' EV fleet, through a managed charging software pilot, a municipal fleet electrification standards framework, and a study on value to city-owned utility ratepayers.
City of Greeley	Connected Greeley – Emergency Vehicle Preemption (CG-EVP) Pilot	\$1,382,150	Smart Traffic Signals	Provide Emergency Vehicle Preemption (EVP), snowplow priority, and a Vulnerable Road User (VRU) detection and warning system at intersections in Greeley.
Colorado Department of Transportation	ATMA for Work Zone Safety	\$1,891,343	Work Zone Safety	Prototype innovative autonomous truck mounted



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

				attenuator (ATMA) technology to shield highway maintenance workers from errant drivers in a four-state partnership led by Colorado DOT.
--	--	--	--	---

Connecticut

Recipient	Project Name	Funding	Project Type	Project Summary
Connecticut Department of Transportation	Connecticut Integrated Transit Mobility Project (CT-ITMP)	\$2,000,000	Transit Innovation	Develop a statewide multimodal public transit fare payment application.

Delaware

Recipient	Project Name	Funding	Project Type	Project Summary
Delaware Department of Transportation	Future-Ready Delaware: SMART Technology Enhancements for Safe, Resilient Intersections	\$1,990,711	Connected Vehicles	Deploy cloud-based vehicle-to-everything technology (CbV2X) and optimized signal timing along statewide roadways.

Florida

Recipient	Project Name	Funding	Project Type	Project Summary
Miami-Dade County	A MicroFreight Approach for Safer Streets	\$1,985,000	Curb Management	Introduce a platform of integrated data, networked sensors, and digital infrastructure to enable and scale safe, zero-emission last-mile freight and goods deliveries in Miami-Dade County.

Georgia

Recipient	Project Name	Funding	Project Type	Project Summary
Chatham Area Transit	CAT EV Zonal Micro Project	\$1,201,736	Transit Innovation	Deploy an On Demand Multimodal Transportation System (ODMTS), introducing first mile-last mile microtransit to CAT's existing



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

				fixed route and paratransit service in the Savannah area.
Gwinnett County Board of Commissioners	Singleton Road Corridor Technology Improvements	\$1,053,400	Connected Vehicles	Prototype safety technologies along Gwinnett County's Singleton Road Corridor, including passive pedestrian detection and Transit Signal Priority.

Idaho

Recipient	Project Name	Funding	Project Type	Project Summary
Bannock Transportation Planning Organization	Innovative Transportation Solutions Project	\$1,317,074	Smart Traffic Signals	Install smart, sensor-based traffic signals and monitoring across the Yellowstone Corridor in Idaho.

Illinois

Recipient	Project Name	Funding	Project Type	Project Summary
Illinois Department of Transportation	Integrating Work Zone Data Exchanges In Illinois for a Safer Highway System	\$979,500	Work Zone Safety	Develop a framework for the advancement of Workzone Data Exchange-compliant systems in Illinois.

Kansas

Recipient	Project Name	Funding	Project Type	Project Summary
North Central Regional Planning Commission	Smart Counties in Kansas	\$1,031,730	UAS	Prototype a GIS-based platform that integrates local infrastructure assets to provide innovative data, monitor asset conditions, and inform technological solutions in Kansas.

Kentucky

Recipient	Project Name	Funding	Project Type	Project Summary
Louisville Metro Government	ViaSMART—a Safe Streets & Viaducts proof of concept (PoC)	\$1,999,481	Sensors	Integrate an intelligent, sensor-based platform that can report real-time data on flooding and congestion with existing advanced



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

				transportation, water, and communication technologies in Louisville.
--	--	--	--	--

Massachusetts

Recipient	Project Name	Funding	Project Type	Project Summary
City of Brockton	Downtown Brockton Transportation Technology Project	\$1,496,630	Smart Traffic Signals	Install a traffic management system that will also assess air quality, road temperatures and pedestrian safety in Brockton.
Massachusetts Department of Transportation	Planning a Smart Microgrid that Generates and Distributes Reliable Power at Cape Cod Gateway Airport to Reduce Emissions and Increase Energy Independence While Supporting the Disadvantaged Community	\$1,950,000	Smart Grid	Plan, permit, and design a smart microgrid system at Cape Cod Gateway Airport (HYA).
Massachusetts Department of Transportation	Improving Rail Safety, Efficiency, and Climate Resilience by Using Drones and Sensors to Monitor and Analyze Railroad Infrastructure Threatened by Ground Water Variability	\$1,979,615	UAS	Use drone technology for environmental sensing in Cape Cod, MA.
MetroWest Regional Transit Authority	Blandin Energy and Sustainable Storage Technology (BESST)	\$985,000	Smart Grid	Install solar power and battery banks for on-site energy and to power MWRTA's fleet.

Maine

Recipient	Project Name	Funding	Project Type	Project Summary
Biddeford Saco Old Orchard Beach Transit Committee	BSOOB Transit Smart Grid Transition	\$350,000	Smart Grid	Demonstrate renewable energy production, on-site energy storage, and electricity load management for Greater Portland's transit agency.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Michigan

Recipient	Project Name	Funding	Project Type	Project Summary
City of Detroit	Detroit Mobility Optimization through Data for Equity and Safety (Detroit MODES)	\$2,000,000	Sensors	Create smart intersections by leveraging existing traffic camera network to deploy AI software solutions which can predict and prevent traffic accidents in Detroit.
Michigan Department of Transportation	Advancing Rural Mobility: Michigan Public Transit Open Data Standards Program	\$1,310,447	Transit Innovation	Leverage open standard data to make real-time public transit information accessible in rural Michigan.
Michigan Department of Transportation	Blue Water Bridge International Smart Freight Corridor	\$1,806,218	International Commerce	Implement a proof of concept of a smart corridor for truck-borne goods movement across Port Huron, Michigan's Blue Water Bridge at the U.S.-Canadian border.
Road Commission for Oakland County	Leading in Sustainable Safety with V2X technology in Oakland County Michigan	\$2,000,000	Connected Vehicles	Create a framework for deploying C-V2X in a sustainable manner.

Minnesota

Recipient	Project Name	Funding	Project Type	Project Summary
City of Minneapolis	Open Data Approach to Curbside Management	\$1,975,000	Curb Management	Develop a collection of multi-faceted, open-source APIs to communicate Minneapolis' policies and regulations, real-time changes to curb usage, and provide a historical view of curb usage, impacts, and efficiencies.

Missouri

Recipient	Project Name	Funding	Project Type	Project Summary
Mid-America Regional Council	Operation Green Light: Regional Traffic Signal Performance Measures	\$734,653	Smart Traffic Signals	Use data for traffic signal retiming to improve the flow of traffic in Kansas City.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

North Carolina

Recipient	Project Name	Funding	Project Type	Project Summary
North Carolina Department of Transportation	Automating Actionable Road Anomalies (AARA) for Traveler Information	\$1,534,500	Connected Vehicles	Provide hands free, eyes free alerts to motorists through existing smartphone applications and navigation systems in North Carolina.

North Dakota

Recipient	Project Name	Funding	Project Type	Project Summary
Three Affiliated Tribes	MHA Nation Drone Project: Planning and Protocol Development	\$1,966,345	UAS	Use drone technology for medical care and equipment delivery for the Mandan, Hidatsa and Arikara Nation.

New Jersey

Recipient	Project Name	Funding	Project Type	Project Summary
New Jersey Department of Transportation	NJDOT SMART RIGHT NOW	\$2,000,000	Sensors	Mitigate wrong-way driving events using sensors in New Jersey.

Nevada

Recipient	Project Name	Funding	Project Type	Project Summary
Regional Transportation Commission of Southern Nevada	Safer, Faster, Smarter: Pairing Cloud-Based Vehicle Preemption and AI Intersection Video Analytics	\$2,000,000	Smart Traffic Signals	Prototype a cloud-based signal timing optimization system that supports Emergency Vehicle Preemption, Transit Signal Priority, and AI analytics in the Las Vegas region.
Tahoe Transportation District	Intelligent Sensor Integration on Rural Multi-Modal System with an Urban Recreation Travel Demand, Lake Tahoe Basin, NV and CA	\$1,489,000	Sensors	Optimize Lake Tahoe region travel using sensors at each of the Basin's seven entry points.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

New York

Recipient	Project Name	Funding	Project Type	Project Summary
City of Buffalo	Buffalo SMART Grant project	\$1,919,343	Curb Management	Capture real-time usage data and facilitate comprehensive curb management strategies in Downtown Buffalo.
City of Ithaca	Dynamic Signal Priority for School Buses, Transit and Fire Operations	\$1,782,310	Smart Traffic Signals	Deploy Traffic Signal Prioritization to improve the efficiency of school buses, transit, and fire operations in Ithaca.
New York State Metropolitan Transportation Authority	NY MTA - Inclusive Wayfinding through NaviLens	\$2,000,000	Transit Innovation	Implement a wayfinding application to allow visually impaired New York subway and bus customers to safely navigate their entire public transit trip.
New York State Thruway Authority	Smart Data Collection: Using Automation and Data Integration to Optimize Infrastructure Inspection	\$1,500,000	UAS	Use drone technology to inspect infrastructure along the New York State Thruway.

Ohio

Recipient	Project Name	Funding	Project Type	Project Summary
City of Cleveland	Cleveland Complete Corridor Project	\$1,820,500	Smart Traffic Signals	Provide the right of way to emergency vehicles using smart traffic signals in Cleveland.
Ohio Department of Transportation	CV Safety Alert & Predictive Crash Location Integration	\$1,998,000	Sensors	Build two proofs of concept to mitigate, address, and report accidents in Ohio.

Oregon

Recipient	Project Name	Funding	Project Type	Project Summary
City of Portland	Portland, leading by example: A Technology-enabled Zero Emission Zone	\$1,999,384	Curb Management	Use data and sensors to establish a zero emissions delivery zone in Portland.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Pennsylvania

Recipient	Project Name	Funding	Project Type	Project Summary
City of Philadelphia	Philadelphia Digital ROW and Mobility Improvement Project	\$2,000,000	Curb Management	Digitize street, sidewalk, and curbside space and develop an online application to communicate Right-of-Way information to users.

Tennessee

Recipient	Project Name	Funding	Project Type	Project Summary
Metropolitan Government of Nashville-Davidson County	Leveraging Advanced Data to Deliver Multimodal Safety (LADDMS)	\$2,000,000	Sensors	Use LiDAR and camera technologies at key intersections to understand near misses in Nashville.

Texas

Recipient	Project Name	Funding	Project Type	Project Summary
Harris County	Harris County Flood Warning System	\$2,000,000	Sensors	Study and implement a user dashboard to alert residents in flood prone areas of Harris County.
Texas Department of Transportation	Smarter Intersections Pilot Project	\$1,900,000	Connected Vehicles	Install smart intersection technology featuring visual and auditory devices in College Station.

Utah

Recipient	Project Name	Funding	Project Type	Project Summary
Utah Department of Transportation	Enabling Trust and Deployment Through Verified Connected Intersections	\$1,855,000	Connected Vehicles	Prototype a Connected Intersection Corridor and develop a plan for nationwide V2X systems deployment.

Virginia

Recipient	Project Name	Funding	Project Type	Project Summary
Accomack-Northampton Planning District Commission	Drone Medical Package Delivery for Improved Transportation and Better Patient Outcomes	\$1,877,000	UAS	Use drone technology to deliver and transport medical supplies in Northern Virginia.



Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program

Washington

Recipient	Project Name	Funding	Project Type	Project Summary
Central Puget Sound Regional Transit Authority	Rainier Valley Safe: Technology Investments to Improve Community Safety	\$2,000,000	Sensors	Leverage smart sensing infrastructure and upgraded traffic signals to address safety at at-grade crossings and multimodal efficiency at signalized intersections in the Rainier Valley.
City of Seattle	Last Mile Freight Curb Access: Digitizing the Last-Mile of Urban Goods to Improve Curb Access and Utilization	\$1,996,000	Curb Management	Establish new Commercial Vehicle Permit (CVP) policies and implement a digital CVP built on the Curb Data Specification (CDS) in Seattle.
Whatcom Council of Governments	Cascade Gateway Advanced Border Information System (ABIS) Design Project	\$458,000	International Commerce	Develop a binational public wait time system at the U.S.-Canadian border in Northern Washington.

Wisconsin

Recipient	Project Name	Funding	Project Type	Project Summary
Wisconsin Department of Transportation	Extending the Wisconsin Work Zone Data Exchange (WZDx) to Local Roads Using Smart Work Zone ITS	\$250,000	Work Zone Safety	Expand Work Zone Data Exchange to local roads in Madison.

West Virginia

Recipient	Project Name	Funding	Project Type	Project Summary
West Virginia Department of Transportation	West Virginia Structural Health Monitoring Project	\$812,000	Sensors	Deploy a structural health monitoring tool for aging infrastructure in Charleston.