INNOVATION THROUGH THE TIGER 2015 DISCRETIONARY GRANT PROGRAM

The USDOT is taking major steps to meet the challenges of tomorrow, including preparing for a population increase estimated at 70 million new Americans, a significant increase in goods movement, a changing climate and growing environmental impacts over the next three decades. Smart technology can create efficiencies in movement, increase safety, and cut our carbon footprint significantly. Through TIGER grants, we have helped provide communities with solutions that embrace technology. Leveraging USDOT investments, public-private partnerships have enabled system improvements and accelerated promising new technologies that foster a connected, accessible transportation system that is safe for the movement of goods and people in the United States.

Focus areas that TIGER grantees will promote as a result of the 2015 cycle include intelligent transportation system (ITS) technology and deployment of emerging information management systems; street repair, renovations, and enhanced signalization; vehicle facility utilization, optimization and performance; enhanced communications and dispatching technology across all systems—including rural transportation.

Innovation to Fill the Inequality Gap

The 2015 TIGER grants support the deployment of technologies that can improve mobility outcomes— getting Americans to their jobs, kids to school, linking communities to important social and medical services, and connecting people to friends and loved ones. Innovation that supports getting residents of underserved communities to job centers, or Americans in rural locations to critical services are part of this framework.

Innovation to Promote Safety

Innovation has played a major role in improving public health and safety by reducing transportation-related fatalities and injuries. The 2015 TIGER grants will further reduce the number, rate, and consequences of surface transportation-related accidents, serious injuries, and fatalities.

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Innovation that Creates Efficiencies

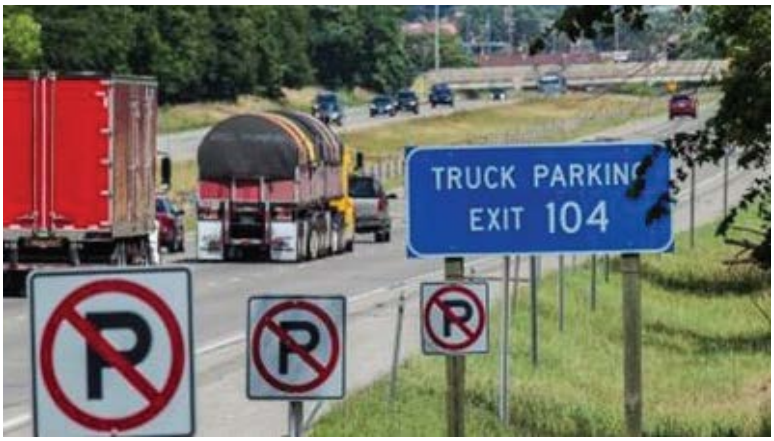
More and more, the transportation sector is relying on data to drive decisions and technology to reimagine how we move people and goods. Increasing mobility and throughput by leveraging investments that enhance data-sharing, signalization and other ITS deployment will change the game for cities, states, public authorities and regions struggling to stretch important dollars to maintain and operate the existing system. The 2016 TIGER grants supported a number of ITS projects.

Innovation Cutting our Carbon Footprint

The 2015 TIGER grants support innovation that supports improving energy efficiency, reducing dependence on fossil fuels, reducing greenhouse gas emissions, improving water quality, and avoiding and mitigating environmental impacts. The transportation sector is the second biggest source of greenhouse gases in the United States. Coupled with new stronger fuel standards, technology embracing this approach will help to double the efficiency of our cars and trucks. 2015 TIGER grants support the installation of electric vehicle charging stations, furthers transportation-sharing, and increases occupancy approaches for the promotion of "smart city" practices.

In this round of TIGER, the Department was able to fund numerous transportation projects focused on improving innovation across cities, towns, and regions, including:

The **Regional Truck Parking Information and Management System Project** sponsored by the State of Kansas, in partnership with Indiana, Iowa, Kentucky, Michigan, Minnesota, Ohio, and Wisconsin, received $25,000,000 to implement existing ITS technology on major truck freight routes in eight states at both State Department of Transportation-owned and private truck rest areas. The project includes traveler information websites, dynamic truck parking signage along interstates, and smart phone applications to inform truck drivers of parking availability to optimize truck parking facility utilization and performance. The project's innovative approach of developing a multi-state coalition to achieve system interoperability across an eight-State region will represent one of the largest geographic areas of ITS deployment of truck parking technology in the country.



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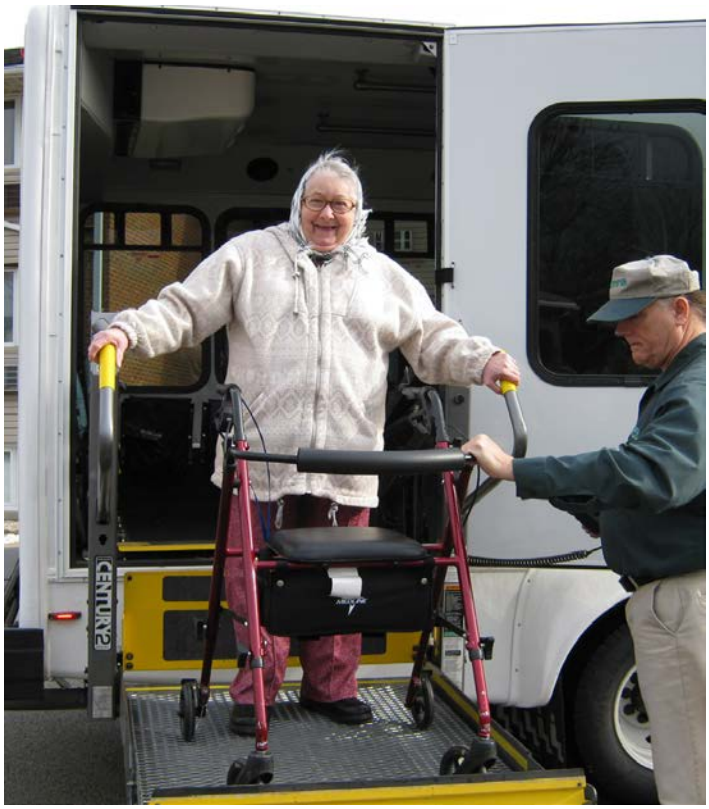
The **Transit Tech Ohio Project** received $6,839,860 to develop and deploy technology improvements for fixed and demand-response transit operators in rural transit services areas in Ohio. The project will develop standardized scheduling and dispatching services using ITS to improve rural transit operations and eliminate base-to-vehicle communication gaps in rural areas of the state. These innovations will enhance customer satisfaction by providing more efficient and on-time transit service, improve safety by enhancing the rapid response capacity of rural transit operators during emergency situations, and allow drivers to remain with their vehicles when involved in an incident.



The **Hudson Links I-287 BRT/ITS Project** in Rockland and Westchester Counties, New York received $10 million to improve east-west travel options along the I-287 corridor, including I-287 and State Routes 59 and 119, by upgrading transit stations; improving intersections and pedestrian facilities; implementing Integrated Corridor Management including advanced traffic management system expansion, transit signal priority, ramp monitoring and other ITS efforts; implementing signal upgrades for transit signal priority; and establishing ramp metering and queue jump lanes. The project's innovative use of a variety of technological improvements will enhance the operational performance of the system and reduce travel times for both transit users and motorists.

The **Hopkinton Travel Plaza and Transit Hub Project** in Hopkinton, Rhode Island received $9 million to construct a multimodal travel plaza on I-95 near the Connecticut border. The project includes a welcome center; a park and ride facility serving Rhode Island Public Transit Authority (RIPTA), intercity bus operators, tourists, and carpoolers; a RIPTA bus hub with a shelter; an intercity bus hub serving regional destinations; fueling stations, including alternative fuels and electric vehicle stations; and bicycle parking. The project will realize several innovations, including the installation of electric vehicle charging stations and solar panels on the welcome center building, as well as providing Rhode Island's first full-service travel plaza on I-95.

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The **Tenth Ave Marine Terminal Modernization Project** located in San Diego, California received $10 million project to modernize the Tenth Avenue Marine Terminal by removing two obsolete transit sheds and constructing a new laydown area with on-dock rail improvements. The upgrade of on-terminal rail components includes installing an on-dock rail air compressor and lubricator systems for improved safety and operational efficiency. The new laydown area will increase the Port's capacity to efficiently process specialized cargo such as oversized windmill components that may contribute to alternative energy development.

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