

Local Infrastructure Hub



Winning Project

The Strengthening Mobility and Revolutionizing Transportation Grants Program

The Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program was created under the Bipartisan Infrastructure Law to fund innovation aimed at solving real-world transportation problems and focused on building data and technology capacity and experience for state, local, and tribal governments.

The first round of SMART grants awarded more than \$94 million to 59 projects in urban and rural communities across the country to conduct demonstration projects focused on advanced smart cities and technologies that will improve transportation efficiency and safety.

View more 2022 SMART winning applications [here](#).

Cleveland, Ohio: Cleveland Complete Corridor Project

Grant Awarded at \$1,820,500 • See Cleveland's [winning application](#)

Cleveland, Ohio will design and pilot a traffic signal system that helps address safety issues at intersections with signals, as well as improve emergency response times. To build a standard specification for the intelligent traffic signals, the city will first focus on testing the new technology and analyzing data from intersections along priority transit, safety, and multimodal corridors. After completing this pilot project, the city plans to apply for further funding to implement the smart signal technology at additional intersections, prioritized by transit ridership, fatal and serious injury crash data, bicycle and pedestrian activity, and frequency of emergency vehicle use.

Making the Case:

An analysis conducted by [Vision Zero Cleveland](#) found that from 2016 through 2020, [48% of all fatal or serious crashes occurred at intersections*](#) with signals. Meanwhile, an analysis of Cleveland's Emergency Medical Services (EMS) response time found that in 2021, 12% of life-threatening issue calls took more than 15 minutes to respond to as a result of delays at intersections with signals. Furthermore, the pilot project prioritized intersections that cut through historically disadvantaged neighborhoods and are heavily used by commuters and freight vehicles, which is in line with the Administration's [Justice40](#) and [equity goals](#).

*Appendix C, pg. 39, fig. 7

Key Project Initiatives	
Community Engagement and Partnerships	This project will partner with local advocacy groups, like the Bike Cleveland and Clevelanders for PublicTransit, to engage travelers most impacted by this project. Additionally, the city will increase accessibility for disabled individuals by working with the Northeast Ohio Coalition of Disability Organizations and the City Community Relations Board.
Data Collection	Partners will collect pre-data in selected locations, including traffic volume and speed counts, air quality metrics, historic crash trends, and transit ridership and time trends. This will establish a baseline to help determine the long-term impacts of this project.
Workforce Development	The team will work through the Cleveland/Cuyahoga County Workforce Development Board and Cuyahoga Community College to enhance job training opportunities and create a pipeline of workers to implement this project, as well as future infrastructure projects.

