

Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program



Application period: 6/28/2024 – 7/12/2024

Funding available (Stage I): \$50M

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STATE OF MICHIGAN

SMART Grants Program focuses on the development of advanced technologies for smart cities and communities, and enhancing the efficiency and safety of transportation systems



Goals and merit criteria:

Projects funded by the SMART Grants Program use advanced data, technology, and applications to provide significant benefits to a local area, a State, a region, or the United States along the following categories:

- Safety and reliability: Improve the safety of systems for pedestrians, bicyclists, the broader traveling public, and emergency response
- Resiliency: Increase the reliability and resiliency of the transportation system, including cybersecurity and resiliency and adaptation to climate change effects
- Equity and access: Connect or expand access for underserved or disadvantaged populations. Improve access to jobs, education, and essential services
- Climate: Reduce congestion and/or air pollution, including greenhouse gas emissions and improve energy efficiency
- Partnerships: Contribute to economic competitiveness and incentivize private sector investments or partnerships
- Integration: Improve integration of systems and promote connectivity of infrastructure, connected vehicles, pedestrians, bicyclists, and the broader traveling public

Source: SMART NOFO 2024

SMART Grants Program Planning Details

Cost sharing or matching is not required for Stage 1 (Planning and Prototyping) of the SMART grants program

Match funding requirement: None

Description	SMART projects leverage one or more of 8 technology domains that include: coordinated automation; connected vehicles; intelligent, sensor-based infrastructure; systems integration; commerce delivery and logistics; leveraging use of innovative aviation technology; smart grid; smart technology traffic signals	
Award amounts	Anticipated no. of awards	30 awards (for Stage I)
	Minimum grant size	~\$250K
	Maximum grant size	~\$2M
	Approx. average award	~\$1.7M ¹
	Grant timeline	18 months
Ongoing & past funded	2022:	
projects	Total grants: 59 projects across 33 states Total funding: \$94M Average funding: ~\$1.6M	
1. Includes only Stage I funding. \$100M is earmar Source: SMART NOFO 2024: SMART press release	rked for 2024 (\$50M for Stage I and \$ e	50M for Stage II) across ~30 projects STATE OF MICHIGAN

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Examples of recent winners from 2024 (examples include Michigan)

Applicant: Road Commission for Oakland County

Project: Online Automatic Retiming of Traffic Signals Using Vehicle Trajectory Data

Project type: Smart Technology Traffic Signals

Location: Michigan

Funding: ~\$1.5M

Project description: Leverage an automated algorithm for adaptive signal retiming at 30-40 intersections based on vehicle trajectory data

Applicant: Stark Area Regional Transit Authority

Project: SMART rider

Project type: Connected & Automated Vehicles

Location: Ohio

Funding: ~\$2.0M

Project description: Equip transit vehicles with automated driver assistance system for collision avoidance

Applicant: Colorado Department of Transportation

Project: The Coordinated Adaptive Ramp Metering (CARM) Expansion Project (Project)

Project type: Sensors

Funding: ~\$1.5M

Project description: Deploy coordinated, automated, and adaptive ramp metering technologies to four highway onramp locations

What you will need to apply for a SMART grant

SMART funding is to a wide number of entities, including states, public agencies, and groups of agencies





Key Grant Application Components

Eligible applicants for the SMART Grants Program include:

- A. a State;
- B. a political subdivision of a State;
- C. a federally recognized Tribal government;
- D. a public transit agency or authority;
- E. a public toll authority;
- F. a metropolitan planning organization; or
- G. a group of two or more eligible entities applying through a single lead applicant (Group Application)

Applicants shall submit an application that includes the following information:

- Standard forms: Application for Federal Assistance (SF-424), Budget Information for Non-Construction Programs (SF-424A), and the Certification Regarding Lobbying forms
- Key Information Questions
- Project Narrative
- Organizational information

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