## *V2X Summit Speaker*

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# Strengthening Mobility and Revolutionizing Transportation (SMART) Grant Program

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# Strengthening Mobility and Revolutionizing Transportation

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- New grant program to fund demonstration projects focused on **advanced smart city or community technologies and systems.**
- Provides **$100M annually** from FY22 – 26 to eligible projects in States, political subdivisions of a State, Tribal governments, transit agencies, toll authorities, MPOs, and groups of eligible recipients.
- The NOFO is expected to be released in **September 2022.**

SMART



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# SMART Grants Program Overview

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- Established by the Bipartisan Infrastructure Law to "conduct demonstration projects focused on **advanced smart city or community technologies and systems** in a variety of communities to improve transportation efficiency and safety."
- Will fund projects that are focused on using technology interventions to **solve real-world challenges** facing communities today.
- Funds **purpose-driven innovation** and discourages investment in technologies that do not provide a clear improvement over the status quo.
- Is a **demonstration program**. It is not designed to support fundamental research, and the technologies demonstrated should be sufficiently mature.
- Focuses on **building data and technology capacity and experience** for state, local and tribal governments.



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# Anticipated Program Structure

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The anticipated structure is a **2-stage program.**

- Stage 1: Planning and Prototyping Grant: up to $2 million over 18 months
- Stage 2: Implementation Grant: up to $15 million over 36 months

**STAGE ONE:**

- Proof-of-concept
- Build & Strengthen partnerships
- Move quickly and demonstrate capacity

**STAGE TWO:**

- Scale prototypes to demonstrate benefits to community
- Capture lessons learned
- Evaluate benefits
- Work towards key performance indicators

**BEYOND:**

- Plan for widespread deployment of successful demonstrations

*DOT anticipates awarding 30 - 50 Stage I grants from the FY22 NOFO.*



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# Eligible Projects

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**Eight technology areas:**

- Coordinated automation
- Connected vehicles
- Intelligent sensor-based infrastructure
- Systems integration
- Delivery / logistics
- Innovative aviation
- Smart grid
- Smart traffic signals

Considerations across technology areas:

- Applicants should focus on **one or two technology areas**. They should not attempt to cover all areas in their proposals.
- Applicants will be **required to comply with applicable laws and regulations**, including but not limited to the Americans with Disabilities Act and the Federal Motor Vehicle Safety Standards.
- Applicants should
  - Address identified policy barriers
  - Clearly address data requirements
  - Consider workforce capacity building



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# Connected Vehicles

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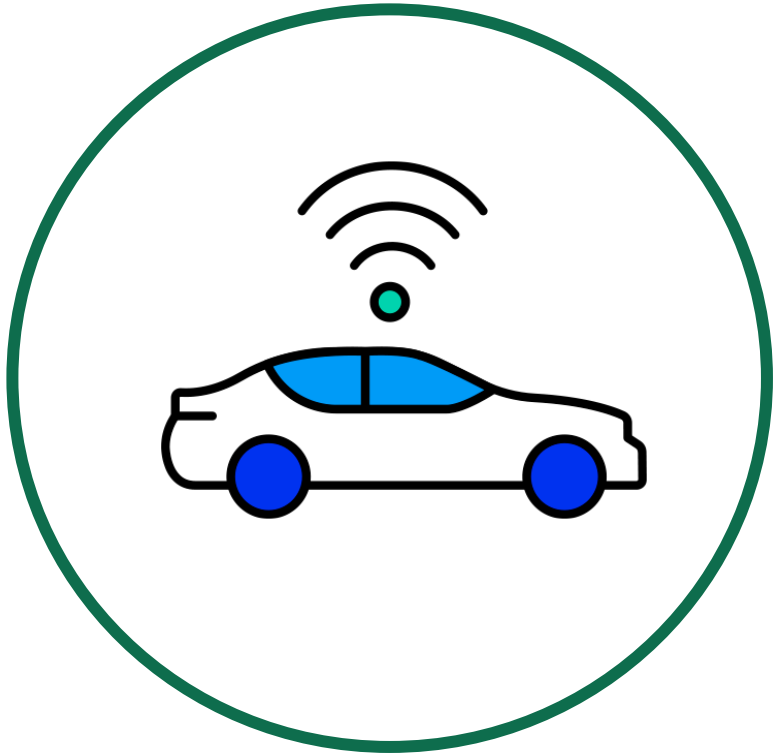
Definition from Congress:

**“Vehicles that send and receive information regarding vehicle movements in the network and use vehicle-to-vehicle and vehicle-to-everything communications to provide advanced and reliable connectivity.”**

Example Use Cases:

- Traffic signal priority for emergency vehicles, buses, & other public fleets
- Workzone Data Exchange standard implemented to protect workers and the traveling public and reduce travel delays





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For more information on the SMART Grants:
www.transportation.gov/grants/SMART
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