Beyond Traffic: The Smart City Challenge

December 2, 2015

https://www.transportation.gov/smartcity/nofo
Encourage cities to put forward their **best and most creative ideas for innovatively addressing the challenges** they are facing.

The Smart City Challenge will **address how emerging transportation data, technologies, and applications can be integrated with existing systems** in a city to address transportation challenges.

Demonstrate how advanced data and intelligent transportation systems (ITS) technologies and **applications can be used to reduce congestion, keep travelers safe, protect the environment, respond to climate change, connect underserved communities, and support economic vitality.**
Technology convergence will revolutionize transportation, dramatically improving safety and mobility while reducing costs and environmental impacts.

**Benefits**
- Order of magnitude safety improvements
- Reduced congestion
- Reduced emissions and use of fossil fuels
- Improved access to jobs and services
- Reduced transportation costs for gov’t and users
- Improved accessibility and mobility
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**Technology Elements (Highest Priority)**

- Vision Element #1: Urban Automation
- Vision Element #2: Connected Vehicles
- Vision Element #3: Intelligent, Sensor-Based Infrastructure

**Innovative Approaches to Urban Transportation Elements (High Priority)**

- Vision Element #4: User-Focused Mobility Services and Choices
- Vision Element #5: Urban Analytics
- Vision Element #6: Urban Delivery and Logistics
- Vision Element #7: Strategic Business Models & Partnering
- Vision Element #8: Smart Grid, Roadway Electrification, & EVs
- Vision Element #9: Connected, Involved Citizens

**Smart City Elements (Priority)**

- Vision Element #10: Architecture and Standards
- Vision Element #11: Low-Cost, Efficient, Secure, & Resilient ICT
- Vision Element #12: Smart Land Use
Phase 1 (Deadline February 4, 2016):
- Support concept development and planning activities
- Estimated five Smart City Challenge Finalists
- $100K each

Phase 2 (Solicitation and Deadline TBD):
- Smart City Challenge Finalists
- Support implementation of their proposed demonstration
- $50 Million
  - U.S. Department of Transportation: $40 Million
  - Vulcan Foundation: $10 Million
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For More Information and Questions

Department of Transportation
https://www.transportation.gov/

Smart City Challenge
www.transportation.gov/smartcity

Questions?
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