

## FY2016 Advanced Transportation and Congestion Management Technologies Deployment Initiative Notice of Funding Opportunity

---

Notice of Funding Opportunity [here](#)

### OVERVIEW

The FAST Act directed USDOT to establish an Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) initiative to make grants for model deployment of new technologies that improve safety and efficiency of the transportation system. U.S. Department of Transportation (USDOT) intends to use these model projects as demonstrations of how technology can improve the existing transportation network, deliver economic benefits by connecting communities and providing for the reliable movement of people and goods, and increase safety.

The USDOT announced on March 22, 2016, that it will provide \$60 million to projects to develop model deployment sites for large scale installation and operation of advanced transportation technologies to improve safety, efficiency, system performance, and infrastructure return on investment.

Applications are due by 3:00 PM EDT on June 3, 2016 through [grants.gov](http://grants.gov).

USDOT will host an informational webinar for applicants on March 29, 2016 at 1:00 PM EDT. Sign up [here](#).

### Eligible Applicants

States, local governments, transit agencies, MPOs representing a population over 200,000, other political subdivisions (such as a publicly owned toll or port authority), or multi-jurisdictional consortia of research institutions (but not a single research institution) are eligible to apply for this grant. Partnerships with the private sector or with other public agencies are encouraged.

### Eligible Projects

These grants will fund large-scale deployment of new technologies, which may include:

- Advanced traveler information systems
- Advanced transportation management technologies
- Infrastructure maintenance, monitoring, and condition assessment
- Advanced public transportation systems
- Transportation system performance data collection, analysis, and dissemination systems
- Advanced safety systems, including vehicle-to-vehicle and vehicle-to-infrastructure communications, technologies associated with autonomous vehicles, and other collision avoidance technologies

- Integration of intelligent transportation systems with the Smart Grid and other energy distribution and charging systems
- Electronic pricing and payment systems
- Advanced mobility and access technologies, such as dynamic ridesharing and information systems to support human services for elderly and disabled individuals

## Program Goals

This program seeks to invest in the deployment of new technologies that will:

- Improve return on investment including through more efficient use of existing transportation capacity
- Alleviate congestion and deliver environmental benefits
- Reduce number and severity of crashes, increasing driver, passenger, and pedestrian safety
- Collect and use real-time data to improve mobility, reduce congestion and provide greater access
- Use data to improve infrastructure management and prioritize investment decisions
- Deliver economic benefits by connecting communities and providing for the reliable movement of people and goods; and
- Accelerate deployment of vehicle-to-vehicle, vehicle-to-infrastructure, and autonomous vehicle technology.

Specifically, projects should deliver the following benefits:

- reduced traffic-related fatalities and injuries;
- reduced traffic congestion and improved travel time reliability;
- reduced transportation-related emissions;
- optimized multimodal system performance;
- improved access to transportation alternatives, including for underserved populations;
- public access to real time integrated traffic, transit, and multimodal transportation information to make informed travel decisions;
- cost savings to transportation agencies, businesses, and the traveling public; or
- other benefits to transportation users and the general public.

USDOT is interested in projects that integrate into the existing transportation system and are incorporated into the management of these systems.

USDOT is particularly interested in technologies that can revitalize neighborhoods and help bring opportunities closer to where people live, provide transportation options, and increase access to employment and vital services.

Additionally, USDOT is particularly interested in projects within the following programs:

- Projects associated with “Smart Cities” – including added electronically connected transportation infrastructure
- Systematic pedestrian crossing technology – including technology to detect pedestrians and extend warnings to vehicles
- Multimodal integrated corridor management – aligning the operations of all traffic on a corridor to improve efficiency

- Traffic signal data management
- Unified fare collection across modes and jurisdictions
- Inclusion of connected vehicle technology in public and emergency vehicle fleets
- Weight-in-motion data collection – to measure truck weights while trucks travel at highway speed
- Dynamic ridesharing – bringing together drivers and riders quickly and efficiently to reduce single passenger trips

## Project selection criteria

Projects will be evaluated on the following determinants:

- Alignment with program requirements
- Readiness of the proposed technologies
- Scalability or portability of the proposed technology
- Commitment to evaluating effectiveness of activities
- Clarity, quality, and completeness of the proposal
- Project management structure to successfully oversee the deployment
- Expertise of key personnel managing the project

USDOT will prioritize projects that enhance personal mobility and accessibility, including projects that better connect people with jobs and essential services.

## Cost-share

The maximum match from this program is 50 percent of the project cost, with the remainder coming from non-federal sources.

## Application Outline

Grants must be submitted through [grants.gov](https://www.grants.gov).

Applications must include the Standard Form 424 (Application for Federal Assistance), Standard Form 424B (Budget Information for Non-Construction Programs), grants.gov lobbying page, a cover page, and a project narrative.

The cover page should include the following information:

1. Project name
2. Previously incurred project cost
3. Future eligible project cost
4. Total project cost
5. ATCMTD request
6. Total federal funding (including ATCMTD)
7. Are matching funds restricted to a specific project component? If so, which one?
8. State(s) in which the project is located
9. Is the project currently programmed in the:
  - a. Transportation Improvement Program (TIP)

- b. Statewide Transportation Improvement Program (STIP)
- c. MPO Long Range Transportation Plan
- d. State Long Range Transportation Plan

The project narrative should explain how the project advances the program goals, noted above.

USDOT recommends that the application project narrative adhere to the following format:

1. Project description, including:
  - a. Introduction of one to two pages summarizing the technology deployment
  - b. Description of the applying entity
  - c. Description of the geographic areas or jurisdiction the project will serve
  - d. Description of the actual issues and challenges the technology deployment will address, including how the project addresses the program goals and relates to Ladders of Opportunities (pathways to jobs and economic opportunity)
  - e. Description of the transportation systems and services included in the project
  - f. Plan to deploy and, long-term, operate and maintain the technology
  - g. Description of regulatory, legislative, or institutional hurdles or challenges
  - h. Quantifiable expected system performance improvements
  - i. Quantifiable expected safety, mobility, and environmental benefits
  - j. Vision, goals, and objectives of the technology deployment
  - k. Plan for partnering with the private sector or public agencies
  - l. Plan to leverage existing local transportation technology
  - m. Schedule for deployment and completion of all activities
  - n. Leveraging of USDOT ITS initiatives
2. Staffing description
3. Funding description

Additional specific organizational information is required.

Applicants are encouraged to identify any components of their proposals that have independent utility and detail costs for those components separately.

## Evaluation and Selection Process

A panel of agency experts will evaluate each application in the technical review phase then a senior review team will select which to advance to the secretary of transportation for final selection. The department may employ outside expertise or contractors to conduct reviews.

## Award of Funds

USDOT will make between 5 and 10 awards. The maximum award to a single project will be \$12 million.

USDOT anticipates awarding grants in September 2016.

## Reporting requirement

Grant awardees will submit monthly progress reports and a final report describing the project deployment, actual costs and benefits, and how the project met the initial expectations.

## Future funding

This is the first annual funding round for this ATCMTD program. USDOT will award \$60 million annually through FY2020 through this program.