



## USDOT Grants Opportunity

# Advanced Digital Construction Management Systems Program

The Advanced Digital Construction Management Systems (ADCMS) Program is intended to promote, implement, deploy, demonstrate, showcase, and support the application of digital management systems throughout the construction lifecycle (including design, construction, and operations phases) with a focus on the integration of information from design to construction to asset management. Goals of the ADCMS program includes accelerated adoption of digital systems to maximize interoperability, expanded use of digital technologies on construction sites, and technology training and workforce development. Building Information Modeling (BIM) practices are fundamental to the objective of data interoperability and integration sought by the ADCMS Program. The USDOT will award up to \$17 million in funding under this program each fiscal year from FY 2022 to FY 2026. The first round of awards will combine FY 2022 and FY 2023 funding, for a total of \$34 million available. The program is administered by the Federal Highway Administration (FHWA).

The minimum federal grant under this program is \$1 million and the maximum is \$5 million, with a period of performance of 1 to 4 years. FHWA anticipates awarding 5 to 10 ADCMS Program grants each year through FY 2026, including 10 to 20 grants this round.

### Eligible Applicants

State DOTs, including the District of Columbia and the Commonwealth of Puerto Rico. State DOT's are encouraged to work in partnership with other State DOTs, local governments, Tribes, and private industry. Eligible Applicants may submit up to three applications (*as prime applicant*) per fiscal year.

### Cost Sharing or Matching

The Federal share of the cost of a project carried out with ADCMS Program funds is 80 percent of the total project cost. Therefore, 20 percent of the total project cost must come from non-Federal sources.



### APPLICATION DEADLINE

Applications are due **August 28, 2023**, by 11:59 PM EDT on Grants.gov. For more information on this grant program, please [refer to the NOFO](#).



## Merit Criteria

FHWA will evaluate applications against the following technical merit criteria, considered of equal importance. These criteria are distinct from the eligibility criteria (*eligible applicants, cost sharing/matching, number of applications, eligible projects*) that are addressed before an application is accepted for review.

### Criterion #1 - Technical and Management Approach

- Builds upon an existing framework or is identified as a need in existing data plans
- Fills a critical need for the organization and support future phases of the project
- Staff assigned to the project have related expertise and experience
- Staffing structure is adequate
- Applicant is committed and has the resources to fully implement the project
- Risks understood; mitigation strategies are comprehensive and implementable

### Criterion #2 - Promotes efficient information among stakeholders

- Promotes efficiencies and results in time savings
- Eliminates or substantially decreases the use of paper documentation
- Improves information sharing and aims to result in improved decisions
- Provides benefits to project owners/contractors in time/cost savings

### Criterion #3 - Accelerate technology adoption and deployment

- Creates a process that can be used by other transportation organizations
- Process enhancements can be used by other entities without significant investment
- Process enhancements address missing electronic data connections
- Open data format/eliminates the need for data conversion
- Improves budgeting or cost control

### Criterion #4 - Safety

- Eliminates/mitigates amount of time highway workers and the traveling public are in hazardous situations gathering data
- Reduces the time a work zone needs to be in place
- Improves quality and timeliness of information to the public

### Criterion #5 - Workforce Development, Job Quality, and Wealth Creation

- Provides training on new technology to the workforce/increases workforce skillsets
- Workforce skills obtained as a result are transferable to other career paths

### Criterion #6 - Environment, Climate Change and Sustainability, and Equity

- Reduced right of way for project construction
- Communication of environmental/equity commitments during preliminary design
- Identification and avoidance of environmentally sensitive areas
- Reduced work zone congestion
- Efficient utilization of construction equipment, requiring fewer machine hours

---

## Review and Selection Process

FHWA will review each application against the merit criteria and assign an overall rating of “Highly Qualified,” “Qualified,” or “Not Qualified,” to each application. The FHWA will prioritize projects that 1) will work in partnership with other State DOTs, local governments, Tribes, or private industry in designing and implementing their proposed projects and 2) support the “Advancing BIM for Infrastructure: National Strategic Roadmap” and related concepts that enhance the exchange and management of digital asset information.

**Our professionals stand by ready to support project sponsors to plan and apply for funding from this MPDG opportunity.**

**If you need any assistance or have questions, please contact:**

Nathan Macek | [nathan.macek@hdrinc.com](mailto:nathan.macek@hdrinc.com) | Will Sharp | [will.sharp@hdrinc.com](mailto:will.sharp@hdrinc.com)

Alexa Mitchell | [alexa.mitchell@hdrinc.com](mailto:alexa.mitchell@hdrinc.com)