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## Today's Webinar

- What Is ADCMS?
- Program Eligibility
- Selection Criteria
- Application Format and Templates
- Process Details



#### What Is ADCMS?

- The Bipartisan Infrastructure Law (BIL\*) established a new program for the accelerated implementation and deployment of Advanced Digital Construction Management Systems (ADCMS), codified in 23 U.S.C. 503(c)(5).
- BIL provided funding for FY22 through FY26 for this program.
- The statutory program goals will be carried out through the ADCMS
  Grant Program and other FHWA-led activities, such as peer
  exchanges, the development and deployment of best practices, and
  training.

\*BIL -Enacted as the Infrastructure Investment and Jobs Act (IIJA) (Pub. L. 117-58, Nov. 15, 2021)



## Program Goals (23 U.S.C. 503(c)(5))

- 1. Accelerate adoption of ADCMS throughout project lifecycle
  - Maximize interoperability with other systems or tools
  - Boost productivity
  - Reduce delays
  - Enhance safety & quality

- 2. Promotes more timely information sharing among stakeholders and reduced reliance on paper
- 3. Leverage use of digital tech by contractors
- 4. Develop & deploy best practices



## Program Goals Continued

- 5. Increase tech adoption & deployment
  - By States and Local Governments
  - Integrate tech in contracts
- 6. Technical training and workforce development
- 7. Develop guidance to assists in updating State regulations

- 8. Reduce environmental footprint and congestion
- 9. Enhance safety



## Program Eligibility

- Applicants
- Projects
- Project Costs
- Award Size
- Cost Share



#### Eligible Applicants

State DOTs, including the District of Columbia and the Commonwealth of Puerto Rico

Note: Applicants are encouraged to work in partnership with other State DOTs, local governments, Tribes, and private industry in designing their proposed projects.



## Eligible Projects

- Activities that will achieve one or more goals of the ADCMS program.
- Eligible project activities may occur at any point during the project lifecycle. (including during the design and engineering, construction, and operations phases)

See NOFO: Section C 3 b.



## Eligible Project Costs

The FHWA will not reimburse any pre-award costs or application preparation costs under this proposed award.

For grant recipients, costs must comply with the requirements in 2 CFR Part 200 and *may* include:

- Personnel (State and/or contractor)
- Equipment
- Travel



#### Award Size & Available Funds

Minimum award: \$1 Million

Maximum award: \$5 Million

- Per project selected
- Applicants may receive multiple awards in a single year.

FHWA anticipates awarding 5 to 10 grants for each FY

#### **Available Funds:**

- FY 2022 & 2023 Combined: \$34 Million
- FY 2024 to 2026: up to \$17 Million per year

See NOFO: Section B 1 and B 2.



#### Cost Share & Period of Performance

20% Match Required

 Period of Performance is anticipated to be 1 to 4 years, starting from the date funds are obligated in FHWA's Financial Management Information System (FMIS)

See NOFO: Section C 2 and Section B 4.



#### **Application Content**

- Standard Forms
- Technical Application
- Budget Application
- Supporting Documentation



#### Standard Forms

• SF-424 – Applicant info and brief project description.

SF-424A – Basic Budget Information

https://www.grants.gov/web/grants/forms/sf-424-family.html



#### Technical Application

- Cover Page
- Table of Contents
- Project Description
- Project Team Information
- Project Readiness
  - Technical Feasibility
  - Project Schedule
  - Project Risks and Mitigation Strategies
- Responsiveness to Merit Criteria



### **Budget Application**

#### Budget Tables:

- Detailed budget table for each year,
- Summary of all years for all activities.

#### Budget Application:

- Cost-sharing information,
- Contingency planning,
- Limitations on use of non-Federal funds.

#### Other Business Information:

See NOFO Section D.2.b.2.III.



## Supporting Documents (as needed)

- Technical Information
- Letters of Endorsement
- Memoranda of Understanding

Note: Weblinks may be used as appropriate instead of attaching information



## **Application Review**

- Technical Merit
- Cost
- Additional Selection Considerations
- Review and Selection Process
- Overall Ratings
- USDOT Priorities
- Selection Process



#### Technical Merit Criteria

- Technical and Management Approach
- Promotes efficient information sharing among stakeholders
- Accelerates technology adoption and deployment

- Safety
- Workforce Development, Job Quality and Wealth Creation
- Environment, Climate Change and Sustainability, and Equity



## Criteria Rating - Highly Qualified

#### Directly addresses:

- Criterion #1 Eval Factors 1 and 2
- Criterion #2 Eval Factors 1 and 2
- Criterion #3 Eval Factor 1
- Criterion #4, #5 & #6 At least one Eval Factor addressed on each



## Criteria Rating - Qualified

#### Directly addresses:

- Criterion #1 Eval Factors 1 and 2
- Criterion #2 Eval Factors 1 and 2
- Criterion #3 Eval Factor 1
- At least one Eval Factor on one of Criterion #4, #5 or #6



## Criteria Rating – Not Qualified

A Not Qualified project is one that fails to meet the criteria as described above for a Qualified project.



## Criterion #1 – Technical & Management Approach

- 1. Builds upon an existing framework or is identified as a need in existing data plans.
- 2. Outcome will fill a critical need for the organization and support future phases of the proposed project or subsequent projects.
- 3. Staff assigned to the project have related expertise and experience.
- 4. Staffing structure is adequate.
- 5. Applicant has the commitment and resources to fully implement the project.
- 6. Risks understood and mitigation strategies are comprehensive and implementable.

  See NOFO: Section E 1.



## Criterion #2 – Promotes efficient information sharing among stakeholders

- 1. Promotes efficiencies and will result in time savings during project development or construction.
- 2. Will eliminate or substantially decrease the use of paper documentation.
- 3. Will improve information sharing and the likelihood it will result in improved decision making when issues arise during project development or construction.
- 4. Will provide benefits to both project owners and contractors in either time or cost savings.



## Criterion #3 – Accelerate technology adoption & deployment

- 1. Creates a process that can be utilized by other transportation organizations.
- 2. Process enhancement can be utilized by other entities without the need for significant capital investment.
- 3. Process enhancements address missing electronic data connections identified by multiple organizations.
- 4. Results in an open data format or eliminates the need for data conversion for use by other software/data systems.
- 5. Improves budgeting or cost control.



### Criterion #4 - Safety

- 1. Eliminates or mitigates the amount of time workers are in hazardous situations (e.g., work zones) gathering data adjacent to active roadways.
- 2. Reduces the time a work zone needs to be in place.
- 3. Improves quality and timeliness of information to the public, thereby making travel through a work zone safer.



## Criterion #5 – Workforce Development, Job Quality & Wealth Creation

- 1. Provides training on new technology to the workforce and increases workforce skillsets.
- 2. Workforce skills obtained as a result of the proposed project are transferable to other career paths.



# Criterion #6 – Environment, Climate Change and Sustainability & Equity

- 1. Reduced right of way for project construction.
- 2. Communication of environmental and equity commitments made during preliminary design.
- 3. Identification and avoidance of environmentally sensitive areas.
- 4. Reduced work zone congestion.
- 5. More efficient utilization of construction equipment, requiring fewer machine hours of operation.



#### **Priority Considerations**

- Projects in which the prime Applicant will work in partnership with other State DOTs, local governments, Tribes, or private industry in designing and implementing their proposed projects.
- 2. Projects that support the FHWA <u>"Advancing BIM for Infrastructure: National Strategic Roadmap"</u> (June 2021; FHWA-HRT-21-064) and related concepts that enhance the exchange and management of digital asset information.



#### Selection Process

- Applications are screened for eligibility, completeness, and compliance with NOFO requirements.
- Technical Review Team (TRT) reviews and assigns rating.
- TRT also reviews Budget Applications.
- Among projects with similar merit, FHWA prioritizes projects addressing at least one of the additional selection considerations.
- TRT will recommend projects for award.
- FHWA Administrator makes final award selections



#### **Application Submission**

- All applications must be submitted through grants.gov
- Applications are due on August 28, 2023, by 11:59 PM EDT



### Questions?

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