

## Saving Lives with Connectivity: Accelerating Vehicle to Everything (V2X) Deployment Program

*This is only a summary; applicants should not rely on it to meet application requirements. Study the full grant opportunity announcement before applying for any federal grant.*

**Program Description** – Up to \$40 million for Fiscal Years 2024, in Federal funding for eligible entities to deploy, operate, document, and showcase integrated, advanced roadway deployments featuring applications enabled by interoperable wireless connectivity (among vehicles, mobile devices, and smart infrastructure) that substantially and quantitatively improve system safety, enhance traveler mobility, improve efficiency of goods movement, mitigate environmental impacts, and address disparities in transportation equity.

<b>Opportunity Numbers</b> – 693JJ324NF00003	<b>Agency</b> – USDOT FHWA	
<b>Obligation Deadline:</b> FHWA anticipates notice of award by June 2024; Due Date Milestones listed on pages 45-46; Award period of performance anticipated to be 30 months – starts on date funds are obligated in FMIS	<b>Closing</b> – January 17, 2024, 11:59 PM EST	<b>BCA Required?</b> No, but Budget Application required
<b>Available Funding:</b> \$40M, expected number of awards -- 2; Planned award type is a cost reimbursement cooperative agreement	NOFO & Related – <a href="https://www.grants.gov/web/grants/view-opportunity.html?oppld=350731">https://www.grants.gov/web/grants/view-opportunity.html?oppld=350731</a>	
<b>Minimum Award:</b> No minimum or maximum award size given	<b>Eligible Project Cost Restrictions:</b> Will not consider previously incurred costs or expended or encumbered funds toward match	
<b>Eligibility:</b> <ol style="list-style-type: none"> <li>1. No limit on number of applications</li> <li>2. Only one project may be included in each application</li> <li>3. USDOT may request oral presentations from highest rated applicants after submission</li> <li>4. Prior to award, each selected applicant will be subject to a risk assessment</li> <li>5. Special Clauses – Public Access to Documents, Indirect Costs are allowable, Written permission needed to replace changes in key personnel in application, Subawards and many others (pages 67-74)</li> </ol>	<b>Required Cost Share:</b> Yes; At least 20% non-Federal match	
	<b>Statutorily Required Available Funding:</b> None	

Alignment with Deployment Site Features & Attributes	Alignment with Initiative Goals	Operational Readiness for Phases 1 and 2	Technical and Management Approach	Relevant Team Experience	Staffing Approach and Team Depth	Cost
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**Eligible Applicants** – Eligible applicants include: (1) non-Federal domestic public sector organizations, (2) domestic academic institutions, and (3) private sector/other entities incorporated in the United States.

**Eligible Projects must contain the following elements (deliverables listed individually in NOFO for each section):**

1. Deployment Site Features and Attributes
  - a. Innovative Technical Approaches featuring conformant and effective utilization of the 5.9 GHz ITS licensed spectrum, potentially augmented with other forms of wireless communications, enabling both measurable system impact and a path forward towards nationwide interoperability

- b. Deployment sites sought with the following attributes:
  - Immediate and measurable impact to address critical needs within the transportation system, particularly safety-related needs.
  - Conformant, effective utilization of the 5.9 GHz ITS licensed spectrum.
  - Demonstrable standards-enabled interoperability
  - Successfully implement and support interoperable security credential management.
- 2. Initiative Structure and Phasing
  - a. Phase 1: Finalize Design, Build and Test Tasks (Maximum Duration 18 months)
    - i. Program Management
    - ii. System Planning and Design
      - 1. Systems Engineering Documentation Development and/or Refinement
      - 2. Data Planning
      - 3. Acquisition and Installation Planning
      - 4. Operations and Maintenance Planning
      - 5. Performance Measurement and Evaluation Planning and Baseline Reporting
    - iii. System Build
      - 1. System Acquisition and Installation and Software Development and Integration
    - iv. System Test and Operational Readiness Demonstration
      - 1. System Test and Operational Readiness Demonstration Planning
      - 2. System Configuration and Unit/Subsystem/System Testing
      - 3. Operational Readiness Demonstration
    - v. Stakeholder Outreach and Communications
      - 1. Outreach Plan, Cohort Participation, Design/Build/Test Lessons Learned and Webinars and Design Build/Test Reference Implementation Guide
  - b. Phase 2: Go/No-Go Decision Point – does system perform safely and as designed? If no, funding for Phase 2 will not be obligated.
  - c. Phase 2: Operate and Evaluate (Minimum 12 months of data)
    - i. Program Management
    - ii. Systems Operation and Maintenance
    - iii. Inter Site Interoperability Demonstrations
    - iv. System Performance Measurement and Evaluation
    - v. Stakeholder Outreach and Communications
      - 1. Cohort Participation, Operate/Evaluate Lessons Learned and Webinars and Operation/Evaluate Reference Implementation Guide
    - vi. Post-Deployment Transition Planning
  - d. Post Deployment: Operate and Maintain (minimum of five years)

### **Application & Narrative Requirements –**

Required components include: **SF-424, SF-424A, SF-LLL, Technical Application/Project Narrative and Budget Application**. Narrative will include Deployment Abstract (max 2 pages), Deployment Concept Summary, Operational Readiness Summary, Technical and Management Approach, Summary of Relevant Team Experience and Staffing Approach, Past Performance, Appendix A (Resumes), Appendix B (Letters of Intent to Participate). Budget Application will include Budget Tables, and Other Business Information. Project Narrative should be no longer than **50 pages** (excluding cover pages, cover letters, resumes, and TOC), Budget Application has no page limit. Formatting: i.e. single-spaced, standard 12-point such as Times New Roman, 1-inch margins.

USDOT Departmental Goals (Additional Selection Considerations) – Safety, Equity, Climate Change and Sustainability, Workforce Development, Job Quality, and Wealth Creation