



U.S. Department of Transportation

Office of the Under Secretary

How to Compete for FY2022 Multimodal Project Discretionary Grant (MPDG) Awards

- **“Mega”**
- **“INFRA”**
- **“Rural”**

Paul Baumer

Aubrei Barton

Alex Beres

Office of Infrastructure Finance and Innovation

Today's Webinar

- ⦿ **Introducing the MPDG program**
- ⦿ **Program Eligibility**
- ⦿ **Statutory Requirements**
- ⦿ **Selection Criteria**
 - **Project Outcomes**
 - Safety
 - State of Good Repair
 - Economic Impacts, Freight Movement, and Job Creation
 - Climate Change, Resiliency, and the Environment
 - Equity, Multimodal Options, and Quality of Life
 - Innovation
 - **Economic Analysis**
 - **Project Readiness Analysis**
 - Technical Assessment
 - Financial Completeness Assessment
 - Environmental Risk Assessment
 - **Other Considerations**
- ⦿ **Suggested Application Format**
- ⦿ **Questions and Answers**



Introduction

- The Bipartisan Infrastructure Law established two new programs and reauthorized one preexisting program which are being solicited together using this NOFO.
 - **Mega:** \$1 billion of FY 2022 funding for the National Infrastructure Project Assistance grants program, known as the “Mega” grants program;
 - **INFRA:** Approximately \$1.55 billion in FY 2022 funding to be made available for the Nationally Significant Multimodal Freight and Highways Projects grants program, known as “INFRA”;
 - **Rural:** \$300 million in FY 2022 funding for the Rural Surface Transportation Grant program, known as “Rural”.
- DOT is combining these three programs into single NOFO to provide a more efficient application process for project sponsors. While they remain separate programs for the purposes of award, the programs share many common characteristics. Because of these shared characteristics, it is possible for many projects to be eligible and considered for multiple programs using a single application.
- **APPLICATION DEADLINE: May 23, 2022 11:59 PM Eastern.**

Eligible Applicants

Mega	INFRA	Rural
<ol style="list-style-type: none"> 1. a State or a group of States; 2. a metropolitan planning organization; 3. a unit of local government; 4. a political subdivision of a State; 5. a special purpose district or public authority with a transportation function, including a port authority; 6. a Tribal government or a consortium of Tribal governments; 7. a partnership between Amtrak and 1 or more entities described in (1) through (6); or, 8. a group of entities described in any of (1) through (7). 	<ol style="list-style-type: none"> 1. State or group of States; 2. a metropolitan planning organization that serves an Urbanized Area (as defined by the Bureau of the Census) with a population of more than 200,000 individuals; 3. a unit of local government or group of local governments; 4. a political subdivision of a State or local government; 5. a special purpose district or public authority with a transportation function, including a port authority; 6. a Federal land management agency that applies jointly with a State or group of States; 7. a tribal government or a consortium of tribal governments; 8. a multistate corridor organization; 9. a multistate or multijurisdictional group of entities described in this paragraph. 	<ol style="list-style-type: none"> 1. a State; 2. a regional transportation planning organization; 3. a unit of local government; 4. a tribal government or a consortium of tribal governments; or 5. a multijurisdictional group of entities above.

Eligible Projects

Mega	INFRA	Rural
<ol style="list-style-type: none"> 1. A highway or bridge project on the National Multimodal Freight Network 2. A highway or bridge project on the National Highway Freight Network 3. A highway or bridge project on the National Highway System 4. A freight intermodal (including public ports) or freight rail project that provides public benefit 5. A railway highway grade separation or elimination project 6. An intercity passenger rail project 7. A public transportation project that is eligible under assistance under Chapter 53 of title 49 and is a part of any of the project types described above 	<ol style="list-style-type: none"> 1. A highway freight project on the National Highway Freight Network 2. A highway or bridge project on the National Highway System 3. A freight intermodal, freight rail, or freight project within the boundaries of a public or private freight rail, water (including ports), or intermodal facility and that is a surface transportation infrastructure project necessary to facilitate direct intermodal interchange, transfer, or access into or out of the facility 4. A highway-railway grade crossing or grade separation project 5. A wildlife crossing project 6. A surface transportation project within the boundaries or functionally connected to an international border crossing that improves a facility owned by Fed/State/local government and increases throughput efficiency 7. A project for a marine highway corridor that is functionally connected to the NHFN and is likely to reduce road mobile source emissions 8. A highway, bridge, or freight project on the National Multimodal Freight Network 	<ol style="list-style-type: none"> 1. A highway, bridge, or tunnel project eligible under National Highway Performance Program 2. A highway, bridge, or tunnel project eligible under Surface Transportation Block Grant 3. A highway, bridge, or tunnel project eligible under Tribal Transportation Program 4. A highway freight project eligible under National Highway Freight Program 5. A highway safety improvement project, including a project to improve a high risk rural road as defined by the Highway Safety Improvement Program 6. A project on a publicly-owned highway or bridge that provides or increases access to an agricultural, commercial, energy, or intermodal facility that supports the economy of a rural area 7. A project to develop, establish, or maintain an integrated mobility management system, a transportation demand management system, or on-demand mobility services



Eligible Project Costs

Mega	INFRA	Rural
<p>Development-phase activities and costs, including planning, feasibility analysis, revenue forecasting, alternatives analysis, data collection and analysis, environmental review and activities to support environmental review, preliminary engineering and design work, and other preconstruction activities, including the preparation of a data collection and post-construction analysis plan; and,</p> <p>Construction, reconstruction, rehabilitation, acquisition of real property (including land relating to the project and improvements to that land), environmental mitigation (including projects to replace or rehabilitate culverts or reduce stormwater runoff for the purpose of improving habitat for aquatic species), construction contingencies, acquisition of equipment, protection, and operational improvements directly relating to the project.</p>	<p>Development phase activities, including planning, feasibility analysis, revenue forecasting, environmental review, preliminary engineering, design, and other preconstruction activities, provided the project meets statutory requirements.</p> <p>Construction, reconstruction, rehabilitation, or acquisition of property (including land related to the project and improvements to the land), environmental mitigation (including a project to replace or rehabilitate a culvert, or to reduce stormwater runoff for the purpose of improving habitat for aquatic species), construction contingencies, equipment acquisition, and operational improvements directly related to system performance.</p>	<p>Development phase activities, including planning, feasibility analysis, revenue forecasting, environmental review, preliminary engineering and design work, and other preconstruction activities; and,</p> <p>Construction, reconstruction, rehabilitation, acquisition of real property (including land related to the project and improvements to the land), environmental mitigation, construction contingencies, acquisition of equipment, and operational improvements.</p>

Project Size and Cost Share

Program	MEGA		INFRA		Rural	
Project Size	>\$500M in Costs (\$50%/ \$500M)	\$100M- \$500M in costs (50%/ \$500M)	>\$100M* in costs (Max 85%/ \$1.32B)	<\$100M* in costs (Min 15%/ \$233M)	None	None
Award Size	No Award minimum	No Award minimum	\$25 million award minimum	\$5 million award minimum	\$25 million award minimum (At least \$270 million will be awarded in this category)	No Award minimum (No more than \$30 million will be awarded in this category)
Cost Share	Max 60% Grant Cost Share, Max 80% Federal	Max 60% Grant Cost Share, Max 80% Federal	Max 60% Grant Cost Share, Max 80% Federal**	Max 60% Grant Cost Share, Max 80% Federal**	Max 80% Grant Cost Share***, Max 100% Federal	Max 80% Grant Cost Share***, Max 100% Federal

*12 states have a different, lower threshold for large vs. small between \$56 million and \$95 million (INFRA)

**11 States have a higher, sliding scale max federal share between 80% and 95% (INFRA)

***Appalachian Development Highway System Projects and Denali Access Projects can go to 100% Grant (Rural)

Statutory Requirements

◎ Project Requirements

1. Generates national or regional economic, mobility, or safety benefits (Mega/INFRA/Rural)
2. Cost-effective (Mega/INFRA/Rural)
3. Contributes to one or more 23 U.S.C. 150 goals (INFRA/Rural)
4. Based on the results of preliminary engineering (INFRA/Rural)
5. One or more stable and dependable funding or financing sources (Mega/INFRA)
6. Cannot be completed easily or efficiently without Federal funding/The project is in significant need of Federal funding (Mega/INFRA)
7. Reasonably expected to begin construction 18 months from obligation
8. The Applicant have or will have the sufficient legal, financial, technical capacity to carry out the project.

◎ INFRA Small Project Considerations

- Cost-effectiveness
- Effect on mobility in the project's State or region



Requirement 1: National or Regional Benefits (All Three)

- ◎ Summarize the economic, mobility, and safety benefits of the project and independent project components, and describe the scale of their impact in national or regional terms.

Requirement 2: Cost Effectiveness (All Three)

- ◎ Highlight the results of the Benefit-Cost analysis, as well as the analyses of independent project components if applicable.

Requirement 3: Highway Program Goals (23 U.S.C. 150) (INFRA and Rural)

- ◎ Specify the Goal(s) and summarize how the project and independent project components contribute to that goal(s).
 - Safety
 - Infrastructure condition
 - Congestion reduction
 - System reliability
 - Freight movement and economic vitality
 - Environmental sustainability
 - Reduced project delivery delays

Requirement 4: Preliminary Engineering (INFRA and Rural)

- ◎ Based on the results of preliminary engineering. Provide evidence that at least one of the following activities has been completed:
 - environmental assessments,
 - topographic surveys,
 - metes and bounds surveys,
 - geotechnical investigations,
 - hydrologic analysis, hydraulic analysis,
 - utility engineering,
 - traffic studies,
 - hazardous materials assessments,
 - general estimates of the types and quantities of materials
 - Other work needed to establish parameters for the final design.

Requirement 5: Stable & Dependable Financial Plan (Mega and INFRA)

- ◎ Please indicate funding source(s) and amounts that will account for all project costs, broken down by independent project component, if applicable. Demonstrate that the funding is stable, dependable, and dedicated to this specific project by referencing the STIP/TIP, a letter of commitment, a local government resolution, memorandum of understanding, or similar documentation. Please state the contingency amount available for the project.

Requirement 6: Impact of Federal Funding (Mega and INFRA)

- ◎ The project cannot be completed easily or efficiently without Federal funding
 - Describe the impacts on the project of federal funding or financial assistance being unavailable for the project:
 - How would the project scope be affected if INFRA funds were not received?
 - How would the project schedule be affected if INFRA funds were not received?
 - How would the project cost be affected if INFRA funds were not received?
 - Do not describe the programmatic impacts or opportunity cost for other projects in the applicant's portfolio
 - Do not simply re-state the project's importance

Requirement 7: 18 months to begin construction (INFRA and Rural)

- ⦿ Reasonably expected to begin construction 18 months from obligation
- ⦿ Based on the project schedule. Applicants should clearly identify:
 - Obligation date- occurs when administrative requirements are completed and a grant agreement is executed
 - Construction start date
- ⦿ Project Readiness team will review if dates provided are reasonable.
- ⦿ If there is more than one component, they must all meet this requirement.

Requirement 8: Legal, Financial, and Technical Capacity (Mega)

- ◎ **Based on the Department's Project Readiness Evaluations**
 - **Technical Assessment**
 - Assesses the applicant's capacity to successfully deliver the project in compliance with applicable Federal requirements
 - **Financial Completeness**
 - Reviews the availability of matching funding and whether the project has a complete funding package
 - **Environmental Review and Permitting Risk**
 - Analyzes the project's environmental approvals and likelihood of the necessary approval affecting project obligation

Selection Criteria

- **Project Outcomes**
 - Safety
 - State of Good Repair
 - Economic Impacts, Freight Movement, and Job Creation
 - Climate Change, Resiliency, and the Environment
 - Equity, Multimodal Options, and Quality of Life
 - Innovation
- **Economic Analysis**
- **Project Readiness Analysis**
 - Technical Assessment
 - Financial Completeness Assessment
 - Environmental Risk Assessment

Project Outcome: Safety

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- ⦿ **Addresses known safety problems**
- ⦿ **Protects both motorized and non-motorized users, vulnerable users, and those with known health and safety risks**
- ⦿ **Includes estimated impacts on number, rate, and consequences of crashes, fatalities, and serious injuries**
- ⦿ **Supports Actions in National Roadway Safety Strategy**
- ⦿ **Increases access to truck parking**

Project Outcome: State of Good Repair

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- ⦿ **Consistent with relevant asset management plans**
- ⦿ **Addresses current and projected vulnerabilities that, if left unimproved, will threaten future transportation network efficiency, mobility of goods or accessibility and mobility of people, or economic growth**
- ⦿ **DOT will consider whether the application includes a plan to maintain the transportation infrastructure in a SOGR.**
- ⦿ **Projects that represent routine or deferred maintenance will be less competitive.**

Project Outcome: Economic Impacts, Freight Movement, and Job Creation (1 of 2)

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- (1) **improve system operations to increase travel time reliability and manage travel demand for goods movement, especially strengthening the resilience and expanding the capacity of critical supply chain bottlenecks, to promote economic security and improve local and regional freight connectivity to the national and global economy;**
- (2) **improve multimodal transportation systems that incorporate affordable transportation options such as public transit to improve mobility of people and goods;**
- (3) **decrease transportation costs and improve access, through reliable and timely access, to employment centers and job opportunities;**
- (4) **offer significant regional and national improvements in economic strength by increasing the economic productivity of land, capital, or labor, and improving the economic strength of regions and cities;**
- (5) **enhance recreational and tourism opportunities by providing access to Federal land, national parks, national forests, national recreation areas, national wildlife refuges, wilderness areas, or State parks;**

Project Outcome: Economic Impacts, Freight Movement, and Job Creation (2 of 2)

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- 6) result in high quality job creation by supporting good-paying jobs with a free and fair choice to join a union, in project construction and in on-going operations and maintenance, and incorporate strong labor standards, such as through the use of project labor agreements, registered apprenticeship programs, and other joint labor-management training programs;
- 7) result in workforce opportunities for historically underrepresented groups, such as through the use of local hire provisions or other workforce strategies targeted at or jointly developed with historically underrepresented groups, to support project development;
- 8) foster economic growth and development while creating long-term high quality jobs, while addressing acute challenges, such as energy sector job losses in energy communities as identified in the report released in April 2021 by the interagency working group established by section 218 of Executive Order 14008;
- 9) Support integrated land use, economic development, and transportation planning to improve the movement of people and goods and local fiscal health, and facilitate greater public and private investments and strategies in land-use productivity, including rural main street revitalization or increase in the production or preservation of location-efficient housing or
- 10) help the United States compete in a global economy by encouraging the location of important industries and future innovations and technology in the U.S. and facilitating efficient and reliable freight movement.

Project Outcome: Climate Change, Resiliency, and the Environment

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- ⦿ Reduces air pollution and greenhouse gas emissions from transportation, or incorporates lower-carbon pavement and construction materials
- ⦿ Explicitly considers climate change and environmental justice in the planning and design stage, particularly in communities that disproportionately experience climate change consequences
- ⦿ Incorporates electrification or zero emission vehicle infrastructure
- ⦿ Reduces air or water pollution, recycles or redevelops brownfield sites
- ⦿ Results in a modal shift that reduces emissions
- ⦿ Promotes energy efficiencies
- ⦿ Improves the resilience of at-risk infrastructure, including upgrade of projects in floodplains

Project Outcome: Equity, Multimodal Options, and Quality of Life

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- ⦿ Increase affordable and accessible transportation choices
- ⦿ Improve access to emergency care, essential services, healthcare providers, treatment and rehabilitation centers
- ⦿ Reduce transportation and housing cost burdens, by investing near public transportation, along rural main streets, or in walkable neighborhoods
- ⦿ Engage diverse people and communities and integrates equity into planning, development, and implementation
- ⦿ Promotes hiring of underrepresented populations and includes investments in high-quality workforce development programs
- ⦿ Reduces physical barriers to transportation or creates new connections to opportunity



Project Outcome: Innovation

	0	1	2	3
Rating Scale	The project negatively affects this outcome area OR the application contains insufficient information to assess this outcome area.	The project's claimed benefits in this outcome area are plausible but minimal OR the project's claimed benefits in this area are not plausible.	The project has clear and direct benefits in this outcome area stemming from adopting common practices for planning, designing or building infrastructure.	The project has clear and direct, data-driven, and significant benefits in this outcome area, that are well supported by the evidence in the application.

- ◎ **Innovative Technology:**
 - Innovative and secure-by-design technology
 - Automated, Connected, Electric vehicles
 - Safety and Mobility
- ◎ **Innovative Project Delivery:**
 - Adopts innovative practices in contracting, congestion management, asset management, O&M
 - Pursues innovative approaches to improve the efficiency and effectiveness of environmental review and permitting
 - Incorporates innovative materials or construction processes which will reduce greenhouse gas emissions
- ◎ **Innovative Financing:**
 - Leveraging of non-traditional sources of funding for transportation infrastructure
 - Using demand management strategies

Economic Analysis

- In the Project Narrative, the applicant should identify, quantify, and compare expected benefits and costs relative to a “no-build” baseline.
- Documentation for a benefit-cost analysis (BCA) must be included as an appendix to the Project Narrative.
- Further guidance on BCA for DOT Discretionary Grant Programs- [Benefit-Cost Analysis Guidance for Discretionary Grant Programs | US Department of Transportation](#)
- BCA Webinar on **April 4, 1-3pm ET.** will be provided. Please check this link for dates: [MPDG - Webinars | US Department of Transportation](#)

Project Readiness: Technical Assessment

- Reviews the applicant's capacity to deliver this project in a manner that satisfies Federal requirements.
- Based on:
 - Applicant's history of delivering projects of similar scope and scale;
 - Project's feasibility or constructability;
 - Applicable Federal requirements, including compliance with Title VI/Civil Rights requirements, ADA, Buy American, among others;
 - Acquisition plan for right-of-way acquisition.

Project Readiness: Financial Completeness

- The applicant should include a detailed project budget that identifies all sources of funding, including MPDG funds, other Federal funds, and non-Federal funds.
- Applicant should include what percent design the funding estimates are based upon (e.g. 30% design), and whether contingency is included.
- All applicants should describe a plan to address potential cost overruns.
- Applicant should demonstrate through letters of commitment, STIP/TIP documents, or other means, that the funding arrangement is certain and the project will be able to meet the obligation target of **September 30, 2025**.

Project Readiness: Environmental Review and Risk Assessment

- The applicant should include a detailed project schedule that identifies all major project milestones.
- Applicant should provide information on required approvals and permits such as NEPA (National Environmental Policy Act) and other State or local environmental and planning approvals.
 - Demonstrate meaningful community input through public involvement, particularly engaging environmental justice communities or disadvantaged communities that may be affected by the project where applicable.
- Applicants should describe schedule/permitting risk mitigation strategies.
 - If applicable, right-of-way acquisition plans

Other Considerations

- ◎ **Geographic Diversity**
 - A balance between the needs of urban and rural areas
 - The extent to which the project benefits a **Historically Disadvantaged Community**, or an **Area of Persistent Poverty**
 - Definition, table, and map tool:
<https://www.transportation.gov/grants/mpdg-areas-persistent-poverty-and-historically-disadvantaged-communities>
 - Location within a federally designated community development zone:
 - Opportunity Zone, Empowerment Zone, Promise Zone, Choice Neighborhood.

Suggested Application Format

Application Cover Page

Project Narrative (25-page limit)

- I. Project Description
- II. Project Location
- III. Project Parties
- IV. Grant Funds, Sources, and Uses
- V. Project Outcomes
- VI. Economic Analysis (BCA Narrative)
- VII. Project Readiness and Environmental Risk
- VIII. Statutory Project Requirements

Appendix

- ⦿ Benefit Cost Analysis
- ⦿ Supplemental Information (If Applicable)

Project Delivery: What Should Successful Applicants Expect

Selections will happen in the fall of 2022

Once selected, projects are assigned to appropriate O&A for administration

This is not a lump sum award; this is a reimbursement program

Costs incurred on the project prior to the announcement of awards are ineligible for reimbursement. After the announcement but before obligation, costs can be eligible on a case by case basis

Sign/Execute Project Agreement (obligation)

Reporting Requirements/Project Modifications

Project Completion/Close-Out

Performance Monitoring



Application Deadline

- **Applications must be submitted by 11:59 PM Eastern on May 23, 2022.** Applicants are strongly encouraged to make submissions in advance of the deadline.
- To register on Grants.gov, applicants must:
 1. Obtain a Unique Entity Identifier (UEI) number;
 2. Register with the System for Award Management (SAM) at www.SAM.gov;
 3. Create a Grants.gov username and password; and
 4. The E-Business Point of Contact (POC) at your organization must respond to the registration email from Grants.gov and login at Grants.gov to authorize you as an Authorized Organization Representative (AOR). Please note that there can be more than one AOR for an organization.
- [For complete information and instructions on each of these processes, please see instructions](#) on grants.gov registration.

Question and Answer

Additional Resources:

- ◎ For additional MPDG Opportunity information and how to apply: <https://www.transportation.gov/grants/mpdg-announcement>
- ◎ ROUTES Grant Toolkit for rural communities: <https://www.transportation.gov/rural/grants/toolkit>
- ◎ FAQs: <https://www.transportation.gov/grants/mpdg-frequently-asked-questions>
- ◎ For technical questions, please email: MPDGGrants@dot.gov.

Thank you!