Introduction

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# PlanRVA Data Competency

## Existing Scope

### Challenges & Opportunities

- Regional Integrated Database System

### Data Tools for Policymaking

- Transportation
  - Travel Demand Modeling
  - Long Range Planning
  - Analysis of crash data
  - Traffic and VMT data
  - Socio-Economic data
  - Building pipeline
  - Housing
  - School enrollment

- Environment
  - Flood risk analysis
  - Bike-ped trails & stress factors
  - Resiliency planning
  - Emission estimates
  - Urban heat islands
  - Environmental justice
  - Custom GIS analytics

- Environment
  - Data and sources
    - Census
    - VMT, Crash, etc. – VDOT
    - Environmental data - NOAA, FEMA
    - VDOE, DMV

- Emergency Mgmt.
  - Data and sources
    - NOAA
    - DEM, LIDAR - USGS
    - Emissions - EPA

- Special Projects

## Special Projects

- Existing Scope
- Transportation
- Environment
- Emergency Mgmt.
Special Projects: Project Implementation-Competitive Funding

Existing Scope

Challenges & Opportunities

Regional Integrated Database System

Data Tools for Policymaking

Special Projects

- A total of $550 billion of new funding through IIJA

- $350 billion for Federal highway programs over FY22-FY26

- First year-6,900 projects, $185 billion, 4000 communities in all 50 states

- For every CVTA $, $6.12 other funds invested

- Not just all modes of transportation capital projects and programs, but human and social infrastructure as well

https://www.gfoa.org/iija-notice-of-funding-opportunity-nofo-tracker
Special Projects: Project Implementation-Competitive Funding

Over 100 new funding programs

- Funding for Resiliency- (29)
- Funding for Water Infrastructure- (7)
- Funding for Broadband Deployment and Access- (4)
- Funding for Electric Vehicles, Buses, Ferries- (3)
- Funding for Ports and Waterways- (3)
- Funding for Airports and Federal Aviation Administration Facilities- (1)
- Funding for Public Transportation- (22)
- Funding for Roads, Bridges, and Railways- (33)

Existing Scope
Challenges & Opportunities
Regional Integrated Database System
Data Tools for Policymaking

Special Projects

Infrastructure Investment and Jobs Act (IIJA) Implementation Resources (gfoa.org)
Introduction to Funding Opportunities

This funding opportunities spreadsheet is intended to serve as a resource tool for all jurisdictions within the Richmond Region to provide quick reference for funding local and regional projects. These programs are established at the State and Federal level. The focus of this tool includes common local project types, such as planning, design, construction of transportation infrastructure and improvements that contribute to community resilience. This tool divides the State vs. Federal as Tier 1 and Tier 2, respectively, demonstrating the degree of competitiveness (i.e., Tier 1 - less competitive, Tier 2 - more competitive). State or Tier 1 funding programs may be less competitive given a smaller field of applicants. The size of typical projects funded is likely to be smaller or multi-phased as well. Funding applications for Tier 2, Federal funding must be nationally competitive to be successful, typically requiring a greater degree of preparation with potentially larger awards for more complex projects.

We have organized the spreadsheet by tabs showing:

**Tab 1:** Quick reference of project eligibility and links for different State (Tier 1) resourced programs for transportation and resiliency projects. Eligibility marked by "$" symbol to determine

**Tab 2:** Provides more specific program information including the administrative agency, description, applicant eligibility for transportation projects and programs.

**Tab 3:** Provides more specific information including administrative agency, description, and applicant eligibility for selected state funding programs geared to projects improving

**Tab 4:** Quick reference of basic project eligibility and links to different (Tier 2) Federal funding programs for Active Transportation and Resiliency projects. Eligibility marked by "$" symbol to determine project types that apply.

**Tab 5:** Provides more specific program information including administrative agency, program description, eligible applicants, due dates (note deadlines already passed are at the bottom of the list), and links to illustrative funding applications for projects in the PlanRVA area are included.

**Tab 6:** Provides more specific program information on funding resources intended to support community resiliency.

**Tab 7:** Provides a glossary of acronyms and more extensive noters related to Active Transportation projects and programs based on the USDOT spreadsheet from which the eligibility for pedestrian, bicycle, and micro mobility activities and projects was originally derived.

### State Funding Opportunities

**Working Draft for Review**

This table provides resources on a continuum varying from most readily achievable (i.e., Revenue Sharing through competitive sources such as Smart State). The table allows for overspending potential for projects that meet multiple objectives. Activities and projects need to meet program eligibility requirements. See note for program requirements below, with links to program information. Project sponsors should integrate the safety, accessibility, equity, and sustainability of multimodal infrastructures transportation projects. “Activities or Project Types” are generally described and are listed to the most commonly sought projects are provided. Counties/RVA 2040 holds

**State Funding Opportunities for Localities**

- *Key: ($) Activity may be eligible, illustrated by project; can be competed value percent of larger project.*

<table>
<thead>
<tr>
<th>Activity or Project Type</th>
<th>Transportation-VDOT</th>
<th>Resiliency-Environmental, Energy, Economic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transportation Projects</strong></td>
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<tr>
<td><strong>Roadway Projects</strong></td>
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<tr>
<td>Capacity/Channelization</td>
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<tr>
<td>Capital Improvement Program (CIP)</td>
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<tr>
<td>Initial Project</td>
<td></td>
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<tr>
<td>Project Execution</td>
<td></td>
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<tr>
<td>Business Plan</td>
<td>1</td>
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<tr>
<td>Design</td>
<td></td>
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<tr>
<td>Design Verification</td>
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<tr>
<td>Construction</td>
<td></td>
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<tr>
<td>Construction Verification</td>
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<tr>
<td>Project Closeout</td>
<td></td>
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<tr>
<td><strong>Bridge Projects</strong></td>
<td></td>
<td></td>
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<tr>
<td>Environmental Protection (Environmental Stewardship)</td>
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<tr>
<td>Engineering Services</td>
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<tr>
<td><strong>Active Transportation Projects</strong></td>
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<tr>
<td>Bike and Pedestrian Improvements</td>
<td></td>
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<tr>
<td>Community/Capacity Building (Multi-organizational, Multi-institutional)</td>
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<tr>
<td>Economic Development (Commercial Activities)</td>
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<tr>
<td><strong>Other Projects</strong></td>
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<tr>
<td>Real Estate Transfer</td>
<td></td>
<td></td>
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<tr>
<td>Infrastructure and Environmental Stewardship</td>
<td></td>
<td></td>
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<tr>
<td>Social/Cultural Development</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**PlanRVA**

- Cover Sheet
  1. Tier-1-State
  2. Tier-1-State-Transportation
  3. Tier-1-State-Resiliency
  4. Tier-2-Federal
  5. Tier-2-Federal-Transportation
<table>
<thead>
<tr>
<th>Program</th>
<th>Transportation WORKING DRAFT FOR REVIEW</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Assistance/Local Reinvestment</td>
<td>Virginia Department of Transportation (VDOT)</td>
<td>Goal-Measure Requirement</td>
<td>Provides additional funding for existing programs; allows to construct, reconstruct, improve, or maintain the highway systems within each county, city, township, and for eligible rural additions in certain counties of the Commonwealth.</td>
<td>Applicant Eligibility</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
<td></td>
</tr>
<tr>
<td>Local Projects/Local Reinvestment</td>
<td>Virginia Department of Transportation (VDOT)</td>
<td>Grant-Measure Requirement</td>
<td>The purpose of the awarded grant is to construct, reconstruct, improve, or maintain the highway systems within each county, city, township, and for eligible rural additions in certain counties of the Commonwealth.</td>
<td>Applicant Eligibility</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
<td></td>
</tr>
<tr>
<td>State of Good Repair Program</td>
<td>Virginia Department of Transportation</td>
<td>Grant-Measure Requirement</td>
<td>Provides targeted investment to improve existing state of good repair (SOC) pavement on the state highway network in priority areas.</td>
<td>Applicant Eligibility</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
<td></td>
</tr>
<tr>
<td>Virginia Highway Safety Improvement Program (VHISP)</td>
<td>Virginia Department of Transportation</td>
<td>Project Selection</td>
<td>The program provides targeted investment in improvements and selected projects that have the greatest potential to improve the State’s highway safety and reduce injuries.</td>
<td>Project Selection</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
<td></td>
</tr>
<tr>
<td>Transportation Alternatives Endorsement</td>
<td>Virginia Department of Transportation</td>
<td>Grant-Measure Requirement</td>
<td>The transportation program is intended to be flexible and responsive to community needs and projects that are consistent with state objectives.</td>
<td>Applicant Eligibility</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
<td></td>
</tr>
<tr>
<td>Park and Ride</td>
<td>Virginia Department of Transportation (VDOT)</td>
<td>Grant-Measure Requirement</td>
<td>The Virginia Department of Transportation (VDOT) is responsible for the development and implementation of the Park and Ride program.</td>
<td>Applicant Eligibility</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
<td></td>
</tr>
<tr>
<td>Park and Ride</td>
<td>Virginia Department of Transportation (VDOT)</td>
<td>Grant-Measure Requirement</td>
<td>The Virginia Department of Transportation (VDOT) is responsible for the development and implementation of the Park and Ride program.</td>
<td>Applicant Eligibility</td>
<td>Due Date</td>
<td>Projects in PlanVA Submitted or Funded</td>
<td>Relevant Links</td>
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</tr>
</tbody>
</table>

**Competitive Funding**

PlanRVA Working Draft for Review

<p>| Tier 1-State Transportation | Tier 1-State-Resiliency | Tier 2-Federal | Tier 2-Federal-Resiliency | Tier 3-State | Tier 3-State-Resiliency | Tier 4-Federal | Tier 4-Resiliency | Tier 5-State | Tier 5-State-Resiliency | Tier 6-Regional | Tier 7-No | Tier 8-Other | Tier 9-Local | Tier 10-Private | Tier 11-Nonprofit | Tier 12-Other |
|---------------------------|-------------------------|---------------|---------------------------|-------------|------------------------|---------------|------------------|-------------|------------------------|----------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|</p>
<table>
<thead>
<tr>
<th>Program</th>
<th>Agency</th>
<th>Grant or Loan</th>
<th>Program Description</th>
<th>Applicant Eligibility</th>
<th>Due Dates</th>
<th>Projects in PlanRVA Submitted or Funded</th>
<th>Relevant Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Homeland Security Grant Program</td>
<td>Virginia Department of Emergency Management</td>
<td>Grant</td>
<td>To support state and local efforts to prevent terrorism and to prepare Virginia for the threats and hazards that pose the greatest risk to its security. Consistent with years past, VDEM will continue to allocate funds for local competitive and non-competitive grants, which support special operation teams for Hazardous Materials, Search and Rescue, Incident Management Teams, and Radio Cache.</td>
<td>Local units of government within the Commonwealth (county, city, agency of a local government. A local jurisdiction may act as a host on behalf of an entity, including state agencies, to address critical needs.</td>
<td>Monday, June 13, at 5:00 PM, 2023 Dates TBD.</td>
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</tr>
<tr>
<td>Virginia Telecommunication Initiative</td>
<td>Department of Housing and Community Development</td>
<td>Grant</td>
<td>Enhances the sustainability and growth of communities throughout the Commonwealth by preparing those communities to build, utilize, and capitalize on telecommunications infrastructure. Consistent with the enabling budget language, DHCD will award funding to eligible applicants to provide last-mile services to unserved areas of the Commonwealth.</td>
<td>A unit of government [Towns, Cities, Counties, Economic Development Authorities/Industrial Development Authorities, Planning District Commissions, School Divisions, etc.] with a private sector internet service provider as a co-applicant.</td>
<td>Applications Due at 5:00 PM on August 25, 2023.</td>
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<tr>
<td>Urban and Community Forestry Grant Program</td>
<td>Virginia Department of Forestry</td>
<td>Grant</td>
<td>Used toward projects that promote the protection and enhancement of urban and community forest ecosystems, tree planting, the care of trees, and education on tree issues in cities, towns, and communities.</td>
<td>Civic groups, communities, local government, non-profit organizations, neighborhood associations, public educational institutions, state agencies, tribal organizations, and volunteer groups.</td>
<td>Applications Due at 5:00 PM on Tuesday May 30th, 2023.</td>
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</tbody>
</table>
## Federal Competitive Funding Opportunities

This table is a work in progress and is subject to change. Federal funding opportunities are listed for projects that may be eligible for funding through US DOT surface transportation programs as of September 1, 2022. Additional funds for other proposed projects were added if the projects did not meet eligibility requirements. See notes and program requirements below for additional information. Federal grants should not be dependent on competitive states participating in a larger project.

### Federal Competitive Funding Opportunities for Locality

<table>
<thead>
<tr>
<th>Activity or Project Type</th>
<th>DOT</th>
<th>FHWA</th>
<th>HUD</th>
<th>TIGER</th>
<th>DOT</th>
<th>HUD</th>
<th>TIGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Highway Projects</td>
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<tr>
<td>Construction and Maintenance of Existing Facilities</td>
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<tr>
<td>Preservation of Existing Facilities</td>
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<tr>
<td>Rehabilitation of Existing Facilities</td>
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<tr>
<td>Bridge Projects</td>
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<tr>
<td>Reconstruction of Existing Bridges</td>
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<td>Active Transportation Projects</td>
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<tr>
<td>Improved Corridors and Interchanges</td>
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<tr>
<td>Public Transportation Projects</td>
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<tr>
<td>Other Project Types</td>
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</tr>
</tbody>
</table>

### Transportation-Federal Transit and Highway Administration

- Resilience-Environmental, Energy, Economic Development
- Federal Competitive Funding Opportunities for Locality
  - DOT
  - FHWA
  - HUD
- TIGER
- DOT
- HUD
- TIGER
- Maintenance
- Construction
- Rehabilitation
- Preservation
- Bridge Projects
- Reconstruction
- Active Transportation Projects
- Improved Corridors
- Public Transportation
- Other Project Types

### Cover Sheet

- 1. Tier-1-State
- 2. Tier-1-State-Transportation
- 3. Tier-1-State-Resiliency
- 4. Tier-2-Federal
- 5. Tier-2-Federal-Transportation
- 6. Tier-2-Federal-Resiliency
## Competitive Funding

### Transportation Working Draft for Review

<table>
<thead>
<tr>
<th>Program</th>
<th>Agency</th>
<th>Grant or Loan</th>
<th>Program Description</th>
<th>Applicant Eligibility</th>
<th>Due Dates</th>
<th>Projects in PlanRVA Submitted or Funded</th>
<th>Relevant Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging and Fueling Infrastructure Grants</td>
<td>Federal Highway Administration</td>
<td>Grant</td>
<td>The Charging and Fueling Infrastructure Grants Program (CIFIP) is a competitive grant program managed by the Federal Highway Administration (FHWA). This program supports the development of clean, efficient, and reliable transportation systems by providing funding for projects that improve transportation infrastructure, reduce reliance on fossil fuels, and support the transition to clean energy sources.</td>
<td>Rural eligible projects include urban transportation projects located in an urbanized area with a population greater than 7,500,000 individuals, or in a non-urbanized area with a population greater than 25,000 individuals.</td>
<td>May 30, 2023</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Wildlife Corridor Program</td>
<td>Federal Highway Administration</td>
<td>Grant</td>
<td>The Wildlife Corridor Program supports projects that work to protect the mobility of fish, wildlife, and plants in the urban environment. The program provides funding for projects that improve habitat connectivity, enhance wildlife movement, and support the conservation of threatened and endangered species.</td>
<td>State or local government, Tribal, or any combination thereof</td>
<td>Available for 1 year</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>The NHTA Grant Program</td>
<td>Department of Transportation</td>
<td>Grant</td>
<td>The NHTA Grant Program is designed to support projects that improve the movement of people and goods, focusing on the development of transportation infrastructure in designated areas.</td>
<td>State or local government, Tribal, or any combination thereof</td>
<td>Available for 1 year</td>
<td>Yes</td>
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</tbody>
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**PlanRVA**

Where the region comes together to look ahead.
## Competitive Funding

### Resiliency

<table>
<thead>
<tr>
<th>Program</th>
<th>Agency</th>
<th>Grant or Loan</th>
<th>Program Description</th>
<th>Applicant Eligibility</th>
<th>Due Dates</th>
<th>Projects in PlanRVA Submitted or Funded</th>
<th>Relevant links</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rural Economic Development Loan and Grant</td>
<td>Department of Agriculture</td>
<td>Grant and Loan</td>
<td>To support projects that promote rural economic development and job creation.</td>
<td>Local Government, nonprofit, state government or private sector</td>
<td>Applications must be received by 4:30 p.m. local time on one of the following dates: Sept. 19, 2022, Dec. 16, 2022, March 16, 2023, June 20, 2023</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
<tr>
<td>Community Facilities Direct Loan and Grant Program</td>
<td>Department of Agriculture</td>
<td>Grant and Loan</td>
<td>To address future risks from natural disasters, including areas involving wildfires, drought, hurricanes, earthquakes, extreme heat, and flooding.</td>
<td>Local Government, state government, nonprofit, private sector, tribal nations, school districts</td>
<td>Applications must be received by February 10, 2023</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
<tr>
<td>Building Resilient Infrastructure and Communities</td>
<td>FEMA</td>
<td>Grant</td>
<td>To support the implementation of a comprehensive approach to reducing risks to communities through identifying, documenting, and prioritizing investments to improve resilience.</td>
<td>States, local communities, tribes and territories</td>
<td>Applications must be received by October 12, 2022 at 5:00pm EST</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
<tr>
<td>Cultural and Community Resilience</td>
<td>National Endowment for the Humanities</td>
<td>Grant</td>
<td>To support the implementation of a comprehensive approach to reducing risks to communities through identifying, documenting, and prioritizing investments to improve resilience.</td>
<td>States, local communities, tribes and territories</td>
<td>Applications must be received by January 10, 2023</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
<tr>
<td>Choice Neighborhoods Implementation Grant Program</td>
<td>HUD</td>
<td>Grant</td>
<td>To support the implementation of a comprehensive approach to reducing risks to communities through identifying, documenting, and prioritizing investments to improve resilience.</td>
<td>States, local communities, tribes and territories</td>
<td>Applications must be received by January 10, 2023</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
<tr>
<td>Advancing Equity Through Infrastructure Planning</td>
<td>Department of Energy</td>
<td>Grant</td>
<td>To support the development of workforce partnerships that will facilitate the continued deployment of solar energy technologies, while supporting an inclusive workforce with opportunities for career advancement, including through grants.</td>
<td>Academic institutions, nonprofit, tribal nations, local governments</td>
<td>Applications must be received by December 16, 2022 at 5:00pm EST</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
<tr>
<td>Community Development for Housing and Community Development, Design and Deployment</td>
<td>Department of Energy</td>
<td>Grant</td>
<td>To support the implementation of a comprehensive approach to reducing risks to communities through identifying, documenting, and prioritizing investments to improve resilience.</td>
<td>Local Government, academic institutions, consortia, native american tribes, nonprofit, private sector, state government, other</td>
<td>Applications must be received by May 10, 2023</td>
<td>6. Tier-2-Federal-Resiliency</td>
<td>7. Notes</td>
</tr>
</tbody>
</table>
### Competitive Funding

**Competitive Funding Opportunities:** U.S. Department of Transportation (Transit, Federal Highway Administration, Virginia Department of Emergency Management, Department of Housing and Community Development, Virginia Department of Forestry, Department of Energy, Department of Agriculture [link]).

December 8, 2022

This table indicates potential eligibility for activities and projects under Federal and State funding programs. Activities and projects need to meet program eligibility requirements. See notes and basic program requirements below, with links to program information. Project sponsors should integrate the safety, accessibility, equity, and convenience of walking and bicycling into surface transportation projects. Rural or small-jurisdictional improvements and resiliency based projects.

### Cross-cutting notes

This table indicates potential eligibility for pedestrian, bicycle, and micromobility activities and projects under U.S. Department of Transportation surface transportation funding programs. Activities and projects must meet program eligibility requirements. See notes and links to program information below. Although the primary focus of this table is stand-alone activities and projects, programs also fund pedestrian and bicycle facilities as part of larger projects. Project sponsors are encouraged to consider Complete Streets and Networks that routinely integrate the safety, accessibility, equity, and convenience of walking and bicycling into surface transportation projects. In these instances, the Federal-aid eligibility of the pedestrian and bicycle elements are considered under the eligibility criteria applicable to the larger highway project. Pedestrian and bicycle activities also may be characterized as environmental mitigation for larger highway projects, especially in response to impacts to a Section 4(f) property or work zone safety, mobility, and accessibility impacts on bicyclists and pedestrians.


Bicycle Project Purpose: 23 U.S.C. 217(j) requires that bicycle facilities "be principally for transportation, rather than recreation, purposes." However, 23 U.S.C. 133(b)(7) and 133(h) authorize recreational trails under STBG and the TA Set-Aside, therefore, 23 U.S.C. 217(j) does not apply to trail projects (including for bicycle use) using STBG or TA Set-Aside funds. Section 217(j) applies to bicycle facilities other than trail-related projects, and section 217(j) applies to bicycle facilities using other programs (NHI, HSIP, CMAC). The transportation requirement under section 217(j) only applies to bicycle projects, not to any other trail use or transportation mode. [https://www.govinfo.gov/app/details/USCODE-2011-title23/USCODE-2011-title23-chap2-sec217](https://www.govinfo.gov/app/details/USCODE-2011-title23/USCODE-2011-title23-chap2-sec217).

Signs, signals, signal improvements include ensuring accessibility for persons with disabilities. See Accessible Pedestrian Signals. See also Proven Safety Countermeasures, such as Crosswalk Visibility Enhancements, Leading Pedestrian Interval Signals, Pedestrian Hybrid Beacons, and Rectangular Rapid Flashing Beacons. [http://www.opsguide.org/chapter1_apps.cfm](http://www.opsguide.org/chapter1_apps.cfm).

Occasional DOT or agency incentive grants may be available for specific research or technical assistance purposes [https://www.transportation.gov/grants](https://www.transportation.gov/grants).

Aspects of DOT Initiatives may be eligible as individual projects. Activities above may benefit safe, comfortable, multimodal networks; environmental justice; and equity. The DOT Naviator is a resource to help communities understand the best ways to apply for grants, and to plan for and deliver transformative Infrastructure projects and services. [https://www.transportation.gov/dot-navigator](https://www.transportation.gov/dot-navigator).

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