

NATIONAL CAPITAL REGION TRANSPORTATION RESILIENCE IMPROVEMENT PLAN

Request for Project Submissions to TRIP Prioritized Project List Annual Update

Katherine Rainone, AICP
Transportation Planner

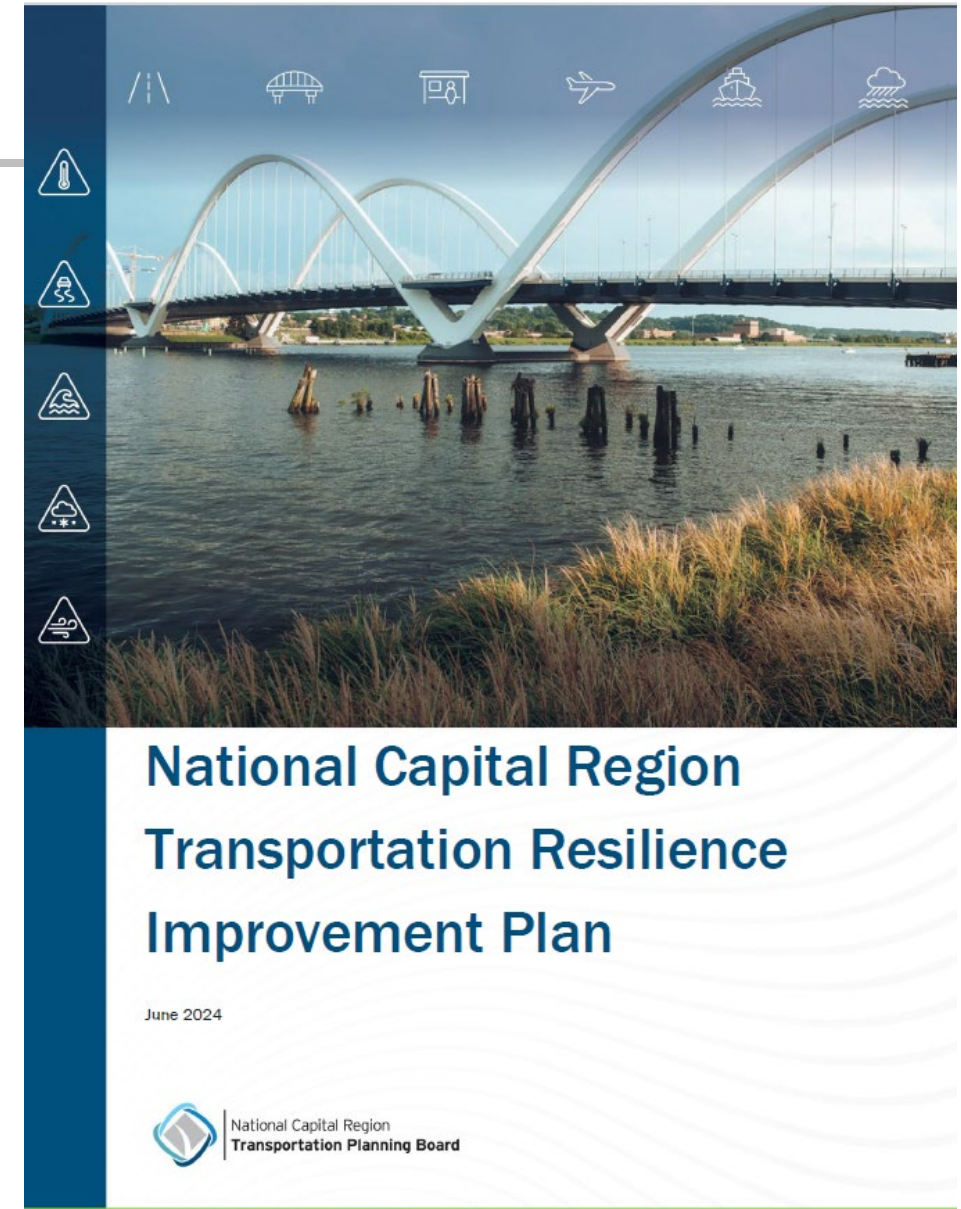
TPB Technical Committee Meeting
December 5, 2025






National Capital Region
Transportation Planning Board

TRIP Update Timeline

- **June 2024:** TRIP and Prioritized Project List approved by TPB Board
- **July 2024:** TRIP and Prioritized Project List approved by FHWA Division Representative
- **December 2024 – January 2025:** Began collecting project submissions/Prioritized Project List Annual Update Approved
- **November 2025:** Began collecting projects for annual update, due end of January 2026



Priority Resilience Projects: Examples

Lead Agency	Project Title	Location	Description	Hazards
Virginia Railway Express	VRE Stations Heat Vulnerability and Mitigation Strategies Analysis	Station assets located on VRE's Manassas and Fredericksburg Lines, as well as on the joint line between Alexandria and Union Station.	Increasing temperatures have the potential to cause significant passenger discomfort to VRE riders. This project will identify the appropriate mitigation strategies to address the adverse effects of heat in five VRE station facilities. The project will detail potential effects on passengers and facilities, and will propose, at a planning level, conceptual projects that could mitigate or eliminate the adverse condition(s) through the horizon planning year.	
Virginia Railway Express	VRE Assets Flooding Vulnerability and Mitigation Strategies Analysis	L'Enfant and Quantico stations; Broad Run Maintenance and Storage Facility (excluding the passenger station platform, including the parking facilities).	The TPB vulnerability assessment has identified this area as having high vulnerability to inland flood. The study will analyze the proposed effects to this infrastructure from adverse future inland flooding events, and will propose, at a planning level, conceptual projects that could mitigate or eliminate the adverse condition(s) through the horizon planning year.	
WMATA	Systemwide Flood Resiliency Infrastructure Upgrades Implementation	Cleveland Park, Federal Triangle, Smithsonian, Archives/Navy Memorial, Rhode Island Ave/Brentwood, Capitol South, and Waterfront Stations (DC); Greenbelt Rail Yard (Greenbelt, MD).	All stations included in this project are either within the FEMA 100 year flood zone or are regularly impacted by interior flooding. The proposed upgrades address flood vulnerability in the MetroRail system and include measures such as new grading at station entrances, temporary flood barriers, raising vent shaft openings, and improving drainage capacity around stations. Improvements will lower the risk of adverse impacts to passenger service and system operations.	



Annual TRIP Prioritized Project List Update – 2025

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TPB TRIP Project Request Form 2026

The National Capital Region Transportation Planning Board (TPB) is soliciting **resilience projects** to include in the National Capital Region Transportation Resilience Improvement Plan (TRIP) priority project list. Per the Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Program Guidance from the Federal Highway Administration, priority resilience projects included in the TRIP will receive extra evaluation points and will be eligible for a 7-10% reduction in the non-Federal share of project costs for the PROTECT Discretionary Grant Program. The PROTECT Discretionary Grant Program offers four types of grants for qualifying activities:

- Resilience planning
- Resilience improvements
- Community resilience and evacuation routes
- At-risk coastal infrastructure

Projects must be submitted through this form by January 30, 2026. Please send any questions to krainone@mwcof.org.

When you submit this form, it will not automatically collect your details like name and email address unless you provide it yourself.

* Required

1. Full Name *

2. Email Address *

3. Lead Agency *

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Transportation Resilience Project Guidance

The Transportation Resilience Project Guidance document aims to support regional agencies in identifying projects that will enhance the resilience of the region's transportation system and are good candidates for federal and other resilience investment funding. This Guidance document:



Overviews the Transportation Planning Board's (TPB) processes to support regional resilience coordination, including the development of the 2024 National Capital Region Transportation Resilience Improvement Plan (TRIP)



Helps to define a resilience project and provides examples and resources for practitioners



Describes the annual project submission process for inclusion in the TRIP Priority Project List



Provides guidance on developing strong project submissions for federal funding programs related to resilience.

For questions regarding this document or for more information about TPB's transportation resilience planning program, please contact Katherine Rainone at krainone@mwcof.org.

Understanding Resilience

What is transportation resilience?

The Metropolitan Washington Council of Governments (COG) 2030 Climate and Energy Action Plan states that a Climate Resilient Region will be achieved when the region has the **"ability to adapt and absorb against disturbances caused by current and future, acute and chronic climate impacts and successfully maintain essential functions."** The Federal Highway Administration (FHWA) defines a resilient project as having the ability to anticipate, prepare for, or adapt to conditions or withstand, respond to, or recover rapidly from disruptions, including the ability to:

- Resist hazards or withstand impacts from weather events and natural disasters.
- Reduce the magnitude or duration of impacts of a disruptive weather event or natural disaster.
- Have absorptive capacity, adaptive capacity, and recoverability to decrease project vulnerability to weather events or other natural disasters.
- The consideration of incorporating natural infrastructure.¹

What are some examples of transportation resilience projects?

There is a wide range of potential projects that member agencies can leverage to increase systemwide transportation resilience in the region. These include planning and policy-based measures that can be implemented in advance of extreme events, such as updating infrastructure design standards to be climate-resilient and designating evacuation routes, in addition to implementing infrastructure upgrades and improvements. Member agencies can also use asset-level measures to build back better following extreme events. These can include upgrading stormwater management infrastructure or elevating roads or bridges to reduce impacts during flooding events. Table 1 provides an illustrative set of examples of resilience improvement strategies that are eligible under PROTECT.

Next Steps

- **Project Submission Window: open through end of January 2026**
Pass this information and project submission link on to any of your transportation or environmental planners who may have a project or idea that qualifies. [Project submission form linked here.](#)
- **Staff will review projects as they are submitted**
Review of the submitted projects will be completed by TPB staff with consultant assistance, ensuring PROTECT and TRIP eligibility following the same methodology as all other rounds of project submissions
- **Updated list will be finalized for approval in February/March 2026**

Thank You!



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Katherine Rainone

Transportation Resilience Planner

(202) 962-3283

krainone@mwkog.org

mwkog.org/tpb

777 North Capitol Street NE, Suite 300

Washington, DC 20002



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