

# NATIONAL CAPITAL REGION TRANSPORTATION RESILIENCE IMPROVEMENT PLAN

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## Notice for Plan Approval

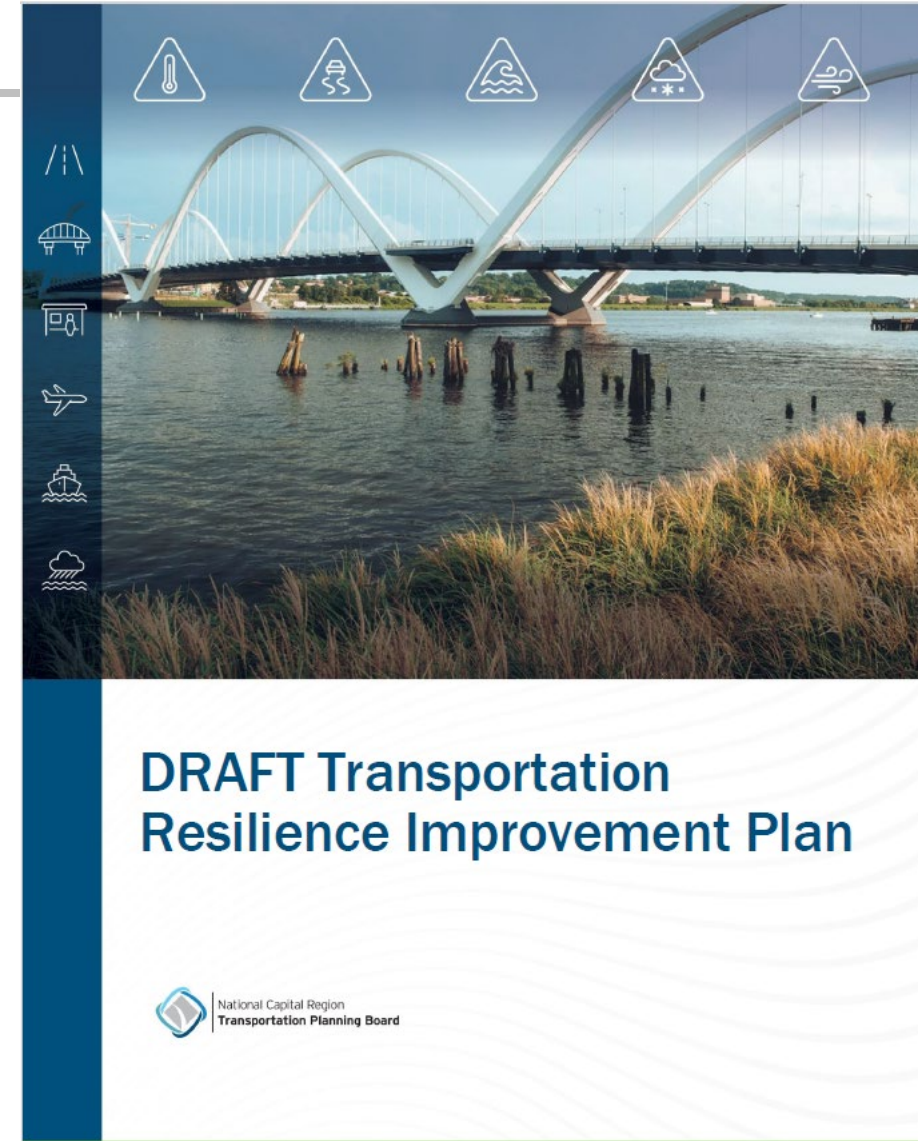
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Transportation Planner

TPB Board Meeting  
May 15, 2024



# TRIP Objectives

- Build on the strong foundation of resilience work by TPB
- Contribute to member organizations' understanding of and planning for climate change risk and resilience
- Identify regional priorities for resilience investment
- Better position member agencies and jurisdictions for federal funding and match reduction under the PROTECT program



# TRIP Financial Benefits

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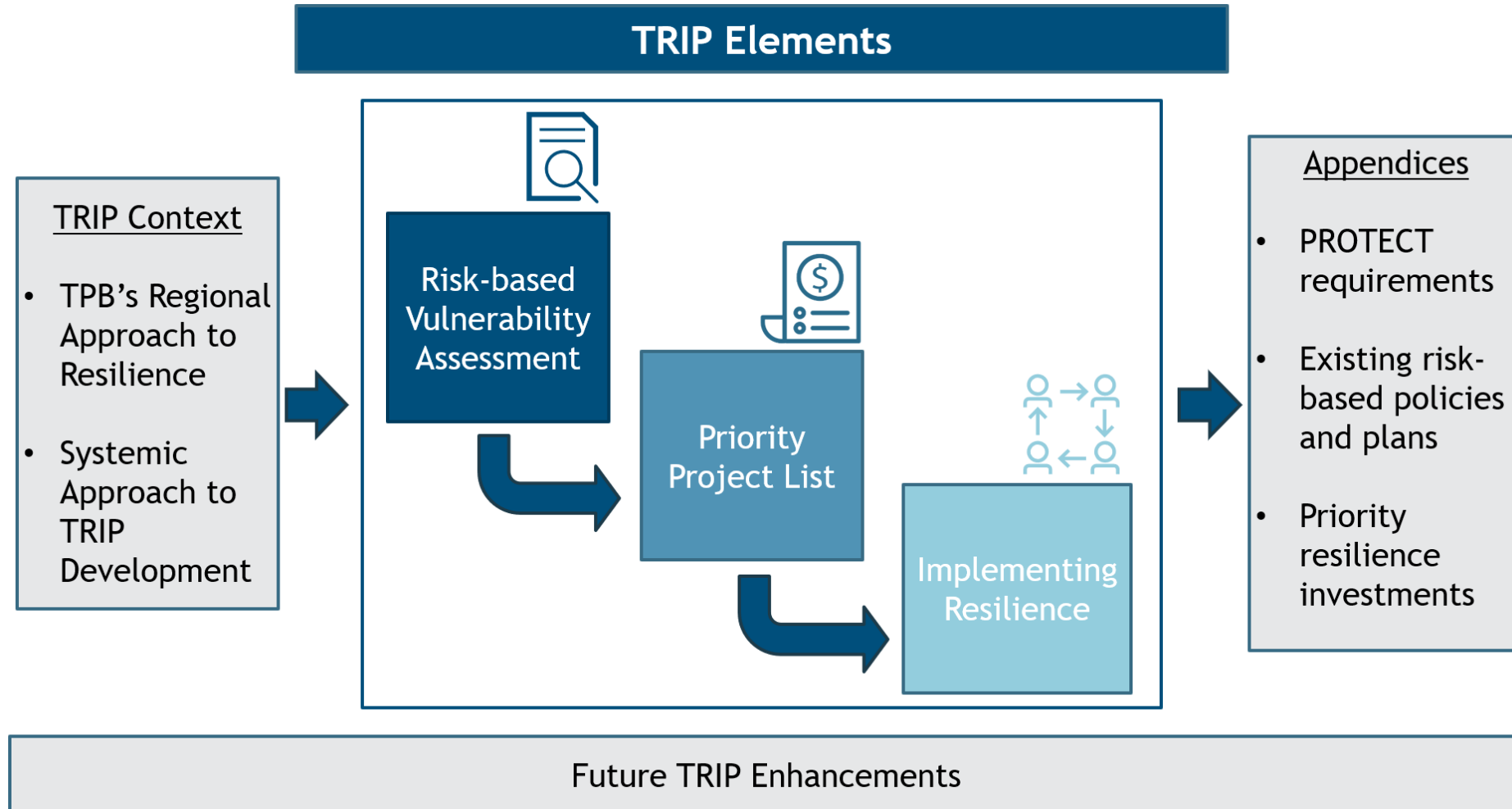
**FHWA's Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Program** provides grants to projects that make surface transportation more resilient to natural hazards. Grants cover planning activities; resilience improvements; community resilience and evacuation routes; and at-risk coastal infrastructure.

## **TRIP Benefit:**

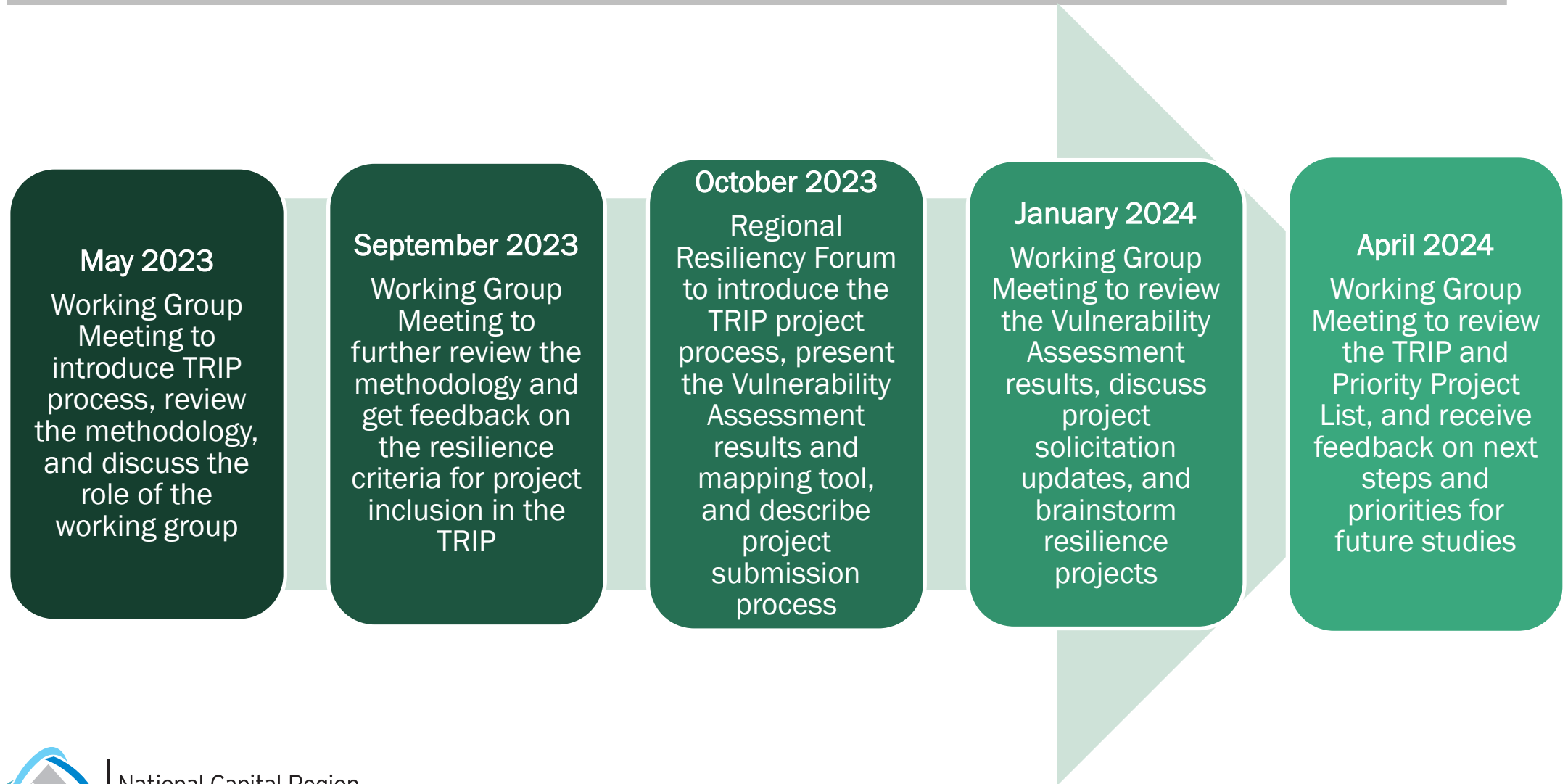
- Projects in the TRIP are eligible for a **7% reduction in non-federal cost share**.
- If the TRIP is incorporated into the TPB National Capital Region Transportation Plan, the projects are **eligible for an additional 3% cost share reduction**.
- Projects included in the TRIP do not have to complete a benefit-cost assessment as part of their grant application.



# TRIP Components

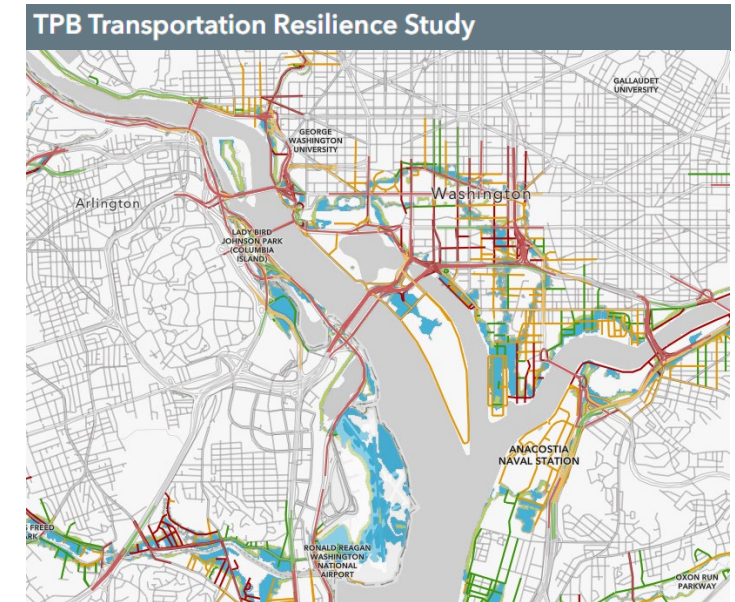


# Stakeholder Engagement and Collaboration



# Vulnerability Assessment Results

- The greatest number of assets are highly vulnerable to **temporary flooding (coastal and riverine)**, followed by **extreme heat** and **permanent flooding (sea level rise)**.
- **We actively included equity considerations. Equity emphasis areas (EEAs) contributed 15-30% of the overall vulnerability score. For several asset categories, all highly vulnerable assets were in an EEA.**
- Several assets are highly vulnerable to multiple hazards:
  - 50 miles of road
  - 20 miles of rail line
  - 6 bus stops
- Rates of vulnerability to each climate hazard vary by geographic area
  - The online mapping tool helps determine vulnerabilities of specific areas.

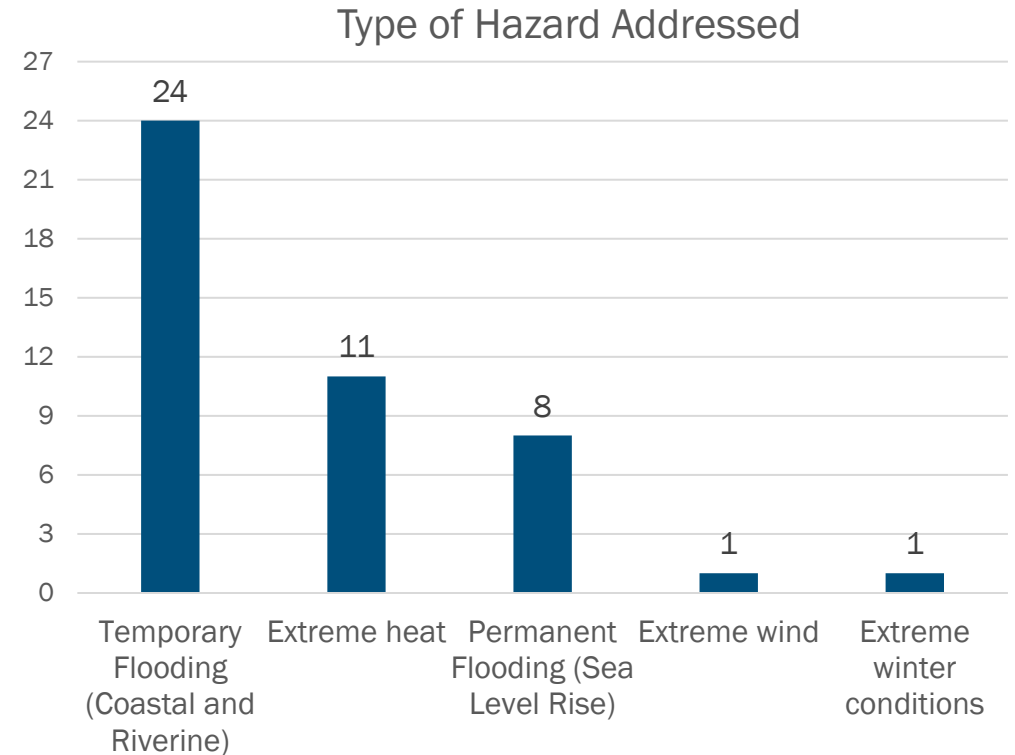
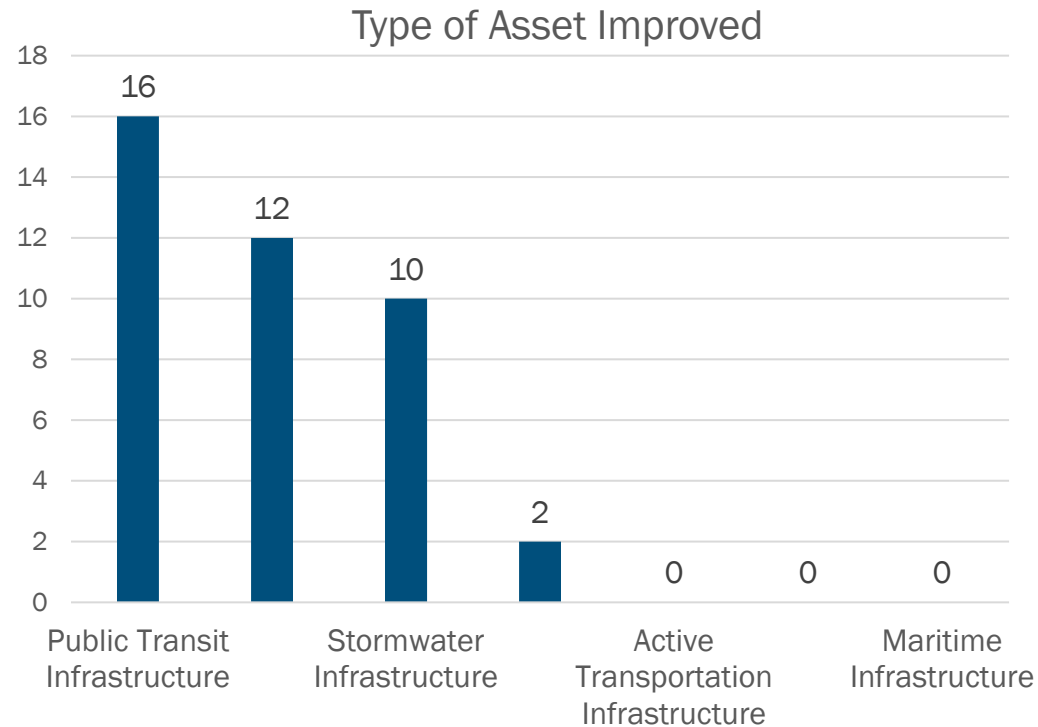


Mapping tool example with visualization of roads, temporary flooding hazards (coastal and riverine), and road vulnerability to temporary flooding. Source: [Mapping tool](#).



# Priority Resilience Improvement Projects

- 34 projects from 8 jurisdictions submitted
  - 14 resilience plans/studies
  - 20 resilience improvement projects



# TPB Board Review

**While reviewing, please pay particular attention to:**

- How the plan addresses our regional context
- Vulnerability assessment results and areas for continued analysis
- Role of TPB in regional coordination
- Future project submission process
- Future enhancements to prioritize



Bike paths along the GW Parkway in Arlington, VA.  
Source: COG





# Thank You!



National Capital Region  
**Transportation Planning Board**