
Vermont Agency of Transportation Resilience Improvement Plan

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Why a RIP?


PROTECT
Formula - \$37 million
Discretionary Grants


80/20 (Federal/local match increased by up to 10% with approved RIP and incorporation into LRTP/MTP)


PROTECT grant applications require a benefit cost analysis (BCA) unless the project is in a qualifying Resilience Improvement Plan





GOALS

- 1. Less damage in the future.** 

Major natural events result in less damage to the transportation system in the future than in the past.
- 2. Systems return to normal quickly.** 

The transportation system returns to normal quickly after major events.
- 3. Vermont is resilient for all people.** 

All people have transportation options to safely evacuate or get to essential locations.
- 4. Essential freight moves.** 

Essential freight continues to arrive at key destinations for distribution and delivery to Vermonters.
- 5. Resilience efforts are coordinated.** 

Resilience investments benefit transportation systems and Vermont's communities, environment, economy, and other critical infrastructure sectors.

Risk Assessment

“**Resilience**” is the ability to minimize the potential impact of those risks, decrease the vulnerabilities, and increase the speed of recovery to pre-disruption conditions.

“**hazard**” is something that could potentially cause damage or disruption

“**vulnerability**” is the susceptibility of an asset, network, or community to such damage or disruption

“**risk**” focuses on the likelihood of damage or disruption happening

State Hazard Mitigation Plan

Transportation Resilience Planning Tool

Reducing Repeat Damage Tool

Project Prioritization

MEASURES



High TRPT & Repeat Damage



Transit Resilience



Social Vulnerability Index (SVI) & TRPT



Resilience for Freight



Coordination with Other Plans

METRICS



Each measure has a metric—a definition of what counts as “high”



Locations where the measure is high get a point (or “flag”)



Flags can then be viewed or summarized by road segment or structure

Explore on the webtool! [Draft RIP Mapping Tool](#)

A Walk-through

[Vermont Agency of Transportation Resilience Improvement Plan Story Map](#)

[DRAFT Resilience Improvement Plan Analysis](#)

[Prioritized list of Locations with the Capital Program](#)

Next Steps

Project
harmonization
continuance

Incremental costs
determination

Measuring
Resilience

Incorporate into
other AOT Plans

Incorporate into
other State Plans

Identifying
discretionary grant
opportunities

Thank You!

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