

Planning for Resilience: Hands-on Training Session with the Transportation Resilience Planning Tool (TRPT)

Date: June 13, 2023 — Tuesday

Time: 10:00 AM to 3:00 PM (lunch provided)

Location: Bethel Town Hall
318 Main Street | Bethel, VT

Regional Host: Two Rivers-Ottauquechee Regional Commission

The **Vermont Transportation Resilience Planning Tool (TRPT)** is a statewide web-based application that identifies bridges, culverts and road embankments that are vulnerable to damage from floods, estimates risk based on the vulnerability and criticality of roadway segments, and identifies potential mitigation measures based on the factors driving the vulnerability.

The tool's distinctive feature is in the innovative methodology used to categorize flood vulnerability as well as the conveyance of this information to be accessible by technical and non-technical audiences. The TRPT is designed to inform a range of applications and stages of decision-making that include:



Training Session: Participants will learn how to navigate the tool, apply the results to prioritize needs, and inform the development and evaluation of alternatives to mitigate flood vulnerability.

Trainings are intended to educate a wide variety of users, including municipal staff, project designers, professional planners, state agency staff, and other regional and non-profit organizations.

Register to attend using either of the options below:

1. State/Municipal/RPC staff with a VT LMS Account: Register online.

- Access the [SOV LMS](#) and search for "TRPT" and select the appropriate date. ([LMS FAQ & User Guide](#)).

Contact: Sara Williams, VTTC (sara.williams@vermont.gov; 802-477-3361)

2. Email the Regional Host RPC and provide:

- Contact information (Name, Affiliation, Email and/or Phone)
- Confirm the session date of interest

Contact: Rita Seto, TRORC (rseto@trorc.org; 802-457-3188 (ext. 3004))

Earn Credits!
Attendees are eligible to claim 4.0 credits towards AICP, CFM or PE requirements.

Registration Deadline: Friday, June 9th (for lunch count)

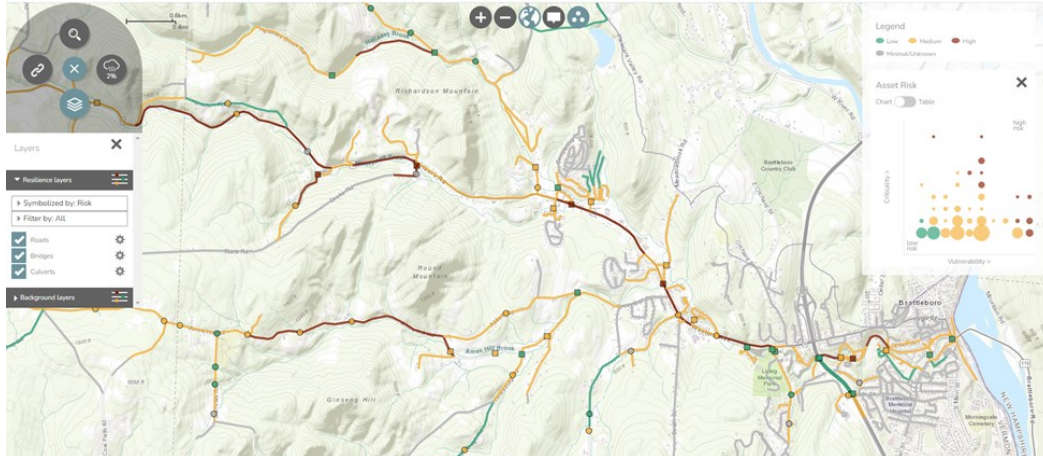
Attendees may register after this date however lunch may not be provided.

Contact For General TRPT inquiries:

Andrea Wright, Environmental Policy Manager, VTrans
802-917-1586 or Andrea.Wright@vermont.gov

Transportation Resilience Planning Tool Training

TRPT Application and User Guide: <https://vtrans.vermont.gov/planning/transportation-resilience>



Training Learning Objectives

- ◆ TRPT overview – Introduction to flood vulnerability, transportation criticality, risk and mitigation concepts; instructions on how to access and navigate the online web application.
- ◆ How to interpret and apply the detailed data and factors behind the TRPT's results to inform project planning, scoping and design with the goal of reducing the vulnerability of road embankments, culverts and bridges to flood damage.
 - ◇ River and Road variables – Descriptions and interpretation of the key variables used to calculate vulnerability and criticality.
 - ◇ Limitations and applications.
 - ◇ Consideration of context (local versus watershed scale).

INSTRUCTORS

Roy Schiff, PE, PhD:
SLR Consulting, Water Resources Engineer and Scientist.

Evan Fitzgerald, CPESC:
Fitzgerald Environmental Associates, LLC.

Agenda

Part 1. Introduction	Transportation Resilience
Part 2. Case Studies	Instructor-led applications –projects in planning and implementation stages
Part 3. Planning scenarios	Exploring tool criteria (highest risk site in basin or number of vulnerable sites)
Part 4. Student exploration	Hands-on time for participant case studies
Part 5. Wrap-up	Final questions/comments and evaluation

General TRPT Contact:

Andrea Wright,
Environ. Policy Manager,
VTrans | 802-917-1586
Andrea.Wright@vermont.gov



2023 TRPT Training Calendar

VTrans will be offering multiple sessions in coordination with [Vermont's RPCs](#).

For information on future dates contact Sara Williams, VTTC (sara.williams@vermont.gov; 802-477-3361).

Thurs., May 4th
NVDA — St. Johnsbury, VT

Thurs., May 25th
MARC — Ascutney area

Tues., June 13th
TRORC — Bethel, VT

Thurs., June 22nd
NRPC — St. Albans area

Tues., July 18th
CCRPC — Winooski, VT

Thurs., August 24th
WRC — Brattleboro area

Tues., September 19th
BCRC — Bennington area

Tues., October 17th
RRPC — Rutland, VT

Thurs., November 30th
ACRPC — Middlebury, VT