



## Who We Are

The Vermont Agency of Transportation (VTTrans) Research Section is located within the Policy, Planning and Research Bureau. Currently the Research Section is comprised of a Research Manager, a Research Engineer and three temporary interns. Research supports inquiries from other Agency departments.

## Our Mission

Our mission is to enhance the quality and condition of Vermont's infrastructure through the assessment of innovative technologies using engineering practices and principles as well as experimental materials, and to facilitate the implementation of beneficial and cost effective technologies. The Research Section administers the review, test and evaluation of new products. We also play an active role in national and regional research efforts including pooled fund studies and organizations such as the New England Transportation Consortium.

## Funding Distributions

Our program is primarily funded with State Planning and Research (SP&R) funds and state match. Approximately 42% of our budget is expended on committed contributions such as:

- Transportation Research Board (TRB)
- National Cooperative Research Program (NCHRP)
- National Transportation Product Evaluation Program (NTPEP)
- AASHTO Product Evaluation List (APEL)
- AASHTO Innovation Initiative (AIIC)
- Transportation System Preservation Technical Services Program (TSP-2)
- Clear Roads
- New England Transportation Consortium (NETC)

Roughly a third of the budget is expended on research conducted by universities, private entities, and other organizations. VTTrans reserves the remaining funds to perform in-house research to address the immediate needs of the Agency, and perform short and long term material performance and laboratory studies.



## What We Do

When in-house or external projects are selected, Technical Advisory Committees (TAC) are set up to guide the project and then to help implement the research results once the project is complete.

In-house initiatives are categorized into the following areas: 1) Long Term projects focusing on material performance; 2) Short Term projects to answer a question; and 3) Investigations when requested by other Agency personnel. The Research Section evaluates products on the Agency's Approved Products List (APL).

We have a Cooperative Agreement with the University of Vermont (UVM) and annually select UVM projects to fund. After a Research Section review, VTrans champions present the ideas to the VTrans Performance Innovation Excellence Operations (PIE Ops) group of agency bureau directors who are tasked with project selection.

## Expertise

Recent projects address the following areas: 1) Highway Safety and Design including: Pavement Markings, Reclaimed Stabilized Base with Portland cement, Preventative Maintenance, Pavement Life, Pervious Materials, Recycled Materials and Traffic Safety product evaluations; 2) Structures including: Concrete design, Product evaluations, Bridge structural health monitoring and Membranes; 3) Operations/Maintenance including: Salt brine blends, the implementation of Ground Penetrating Radar (GPR) and winter performance measures; 4) Environmental including: Aquatic organism passage, deployment of Recycled Materials and porous pavement.

## Contact Us

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