

VTrans Recycled Materials Activities

**VTrans Recycled Materials Working Group
Includes Research, Construction and Materials, Project Delivery and
Agency of Natural Resources Staff**

Introduction

Motivated by the Architectural Waste Recycling Law (Act 175), the Recycled Materials Working Group has met to discuss how recycled materials can be used in our roadway projects.

Materials include:

- Recycled Asphalt Shingles (RAS)
- Crumb Rubber and Shredded Tires
- Processed Glass



Processed RAS

RAS in Town Gravel Roads



VLR Newsletter

The VTrans Recycled Materials Working Group is working with Vermont Local Roads to encourage towns to use RAS in the surface course of town gravel roads. Efforts include:

- Field trip to Myers RAS processing facility and storage at Whitcomb in Colchester
- Newsletter article describing the benefits of RAS in Gravel Roads (including less dust and less grading)
- Recruitment of three towns (Richmond, Essex, and Panton) to install a pilot of 4 inches of 20% RAS Surface Mix purchased from Whitcomb in October 2017
- Fall presentations at Road Foremen meetings in Chittenden and Addison Counties
- Workshop training materials including an expected workshop and demo in May

RAS in Shoulders and Surface (VTrans Projects)

Project	In Approved FHWA Research Work Program?	Unbound Shoulder Mix	Unbound Surface Course	Status
VT 64 Northfield Williamstown STP 2959(1)	Yes	X		Constructed in 2016
VT 65 Brookfield STP 2960(1)	Yes	X	X	
VT 14 Randolph-Williamstown	No	X		
VT 74 – Shoreham-Cornwall	No	X		Construction in 2017
VT 63 Berlin-Barre Town STP 2943(1)	Yes	X		
VT 36 St. Albans FPAV(1)	Yes	X		
VT 38 St. Albans FPAV(2)	Yes	X		



Gravel / RAS Surface Mix on VT 65 in Brookfield

Next Steps

In addition to working on RAS in Town Gravel Roads, the Recycled Materials Working Group will be

- Monitoring the use of shredded tires in underdrains (two projects constructed in 2018; work plan approved 2017)
- Working with FHWA's Mobile Asphalt Laboratory to test Vermont RAS in HMA mixes. Van visit in 2017 is featuring other states' efforts with RAS in HMA



FHWA Mobile Lab