



VERMONT LOCAL ROADS

VLR Learning Opportunities Issue 2 - July 8, 2021

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- Summer Storms

News & Resources for Municipalities

- VTrans Show Me the Money Guide for Municipalities
- Tree Mail from the Vermont Urban & Community Forestry Program

Trainings Within the LMS



NEW - VLR eLearning Flagger Certification

We have completed an eLearning version of our Work Zone Flagger course. It meets the requirements established by the Manual on Uniform Traffic Control Devices (MUTCD), the Occupational Safety and Health Administration, and Vermont standard requirements. This enables municipal employees to complete the course in our Learning Management System and receive a flagger certification card via mail.

The full course will take from 3-4 hours to complete. It has 4 modules each with a quiz at the end, after completing the 4 modules there are 4 drag and drop scenarios to demonstrate adequate understanding of work zone setup, and finally the exam at the end.

Roads Scholar Category - 4 Safety hours

[Register](#)

VLR Virtual Safety Training Roadside Environmental Hazards

This webinar provides an overview of roadside environmental

July 13 & July 27

2 days - credit only given when

hazards workers are commonly exposed to working along the roadside.

Module 1 of 2

In this module we will cover employee rights, silica, and ticks.

Module 2 of 2

In this module we will cover poisonous plants and heat illness.
Roads Scholar Category - 2 Safety hours

you attend both days

Virtual 8:00 a.m. - 9:00 a.m.

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

VLR Virtual Technical Round Table

MRGP Update & Road Erosion Inventory (REI) Demo

Topics that will be covered:

- How to download and use DEC's MRGP REI applications such as Collector and Survey 123.
- How to re-assess road segments after segments have been upgraded to MRGP standards.
- How to view, interpret, and use your town's REI data in the MRGP database portal.
- How to use mapping tools to assist in the implementation of road practices.

Roads Scholar Category - 1 Technical hour

July 14

Virtual 4:00 p.m. - 5:30 p.m.

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

VLR Virtual Technical Round Table

Slope Stabilization

In this presentation, different types of slopes, considered geotechnical assets by the FHWA, and the physical processes which affect their stability will be reviewed, along with visible signs that may indicate slope movement is occurring. We will discuss some common slope stabilization methods, innovative technologies and methods, and design concepts for stabilizing and repairing roadways impacted by unstable slopes and landslides.

Roads Scholar Category - 1 Technical hour

July 28

Virtual 9:00 a.m. - 10:30 a.m.

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

VLR Virtual Safety Training

Trench Safety

The official definition for excavation by OSHA is any human-made cavity, trench, cut, or depression in Earth's surface by removing soil. This one hour session will provide you the basic information to keep you and your employees safe and compliant with VOSHA.

Roads Scholar Category - 1 Safety hour

August 3

Virtual 8:00 a.m. - 9:00 a.m.

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

VLR Virtual Environmental Round Table

Municipal Road Right of Way (ROW) and Required Agricultural Practices (RAP)

This Roundtable discussion will be centered around the intersection of the Municipal Roads General Permit and The Accepted Agricultural Practices. Where the mud hits the road so to speak. There will be a review of the well done literature representing both the municipal and farmer's points of view and regulations affecting both that our presenters have put together. Further discussion of agriculture related topics will be entertained as well as any ideas or suggestions that might or have worked to minimize conflict.

Roads Scholar Category - 1 Environmental hour

August 4

Virtual 9:00 a.m. - 10:30 a.m.

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

VLR Virtual Technical Training

Roadway Fundamentals

Module 1 of 4 – Design Concerns

In Part 1 we introduce the fundamentals of road construction/maintenance, look into what considerations are made when designing new roads to help us think through reverse engineering the roads we work with based on how they are used or projected to be used.

August 10, 17, 24 & 31

4 days - credit will only be given when you attend all 4 days.

Virtual 8:00 a.m. - 9:00 a.m.

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

Module 2 of 4 – Drainage

In Part 2 we will discuss several drainage problems that wreak havoc on our roads, several surface maintenance concepts to support well-draining impervious surfaces, and finally we will discuss the importance of ditches and their construction and maintenance.

Module 3 of 4 – Culverts

In Part 3 we will look at the various culvert materials available to us and discuss their pros and cons. We will also discuss proper culvert sizing and installation best practices.

Module 4 of 4 - Subsurface Drainage

In Part 4 we will look at what's happening under the road. There will be a discussion around aggregates, underdrains, and catch basins in closed drainage systems.

Roads Scholar Category - 4 Technical hours

VLR Introduction to Welding Processes

This hybridized workshop is a fast-paced introduction to a variety of welding processes commonly used in state and municipal garages today. This course will provide a demonstration of the equipment and fundamentals of each process in combination with a description and discussion of the process limitations and typical applications. Students will gain an understanding and appreciation of these processes through hands-on application of the techniques used in the following: thermal cutting (OFC and plasma); shielded metal arc welding (6011 and 7018) and gas metal arc welding (ER70S). The structure and duration of this experience is a basic introduction and therefore is not designed to build proficiency in any single welding process, but individuals will move along at their own level of proficiency.

Students will be expected to wear leather shoes or boots, safety glasses, and a long sleeve shirt.

VLR will provide a welding helmet, gloves, and jacket to those municipal employees who register by **July 29**. Jacket size must be included when registering for this workshop.

[This workshop is a prerequisite to the Advanced Welding Processes workshop.](#) (not scheduled at this time)

August 17, 18 & 19

3 day workshop

In Person 8:00 a.m. - 2:30 p.m.

Location: Stafford Technical Career Center

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

LUNCH WILL NOT BE PROVIDED

Max students **10**

2 per municipality

(first come first serve)

TC3 (Transportation Curriculum Coordination Council)

A technical service program within AASHTO that focuses on developing training products for technical staff in the areas of construction, maintenance, and materials. TC3 online courses continue to be a great way to achieve PDH's and do so in a self-paced learning environment. **To find applicable trainings, [search in the LMS](#) 'TC3' or 'AASHTO', or by searching for a specific topic.**

Newly Added Classes in the LMS:

- TC3CN094 - Fundamentals of Digital Construction Inspection
- TC3CN095 - Fundamentals of Bicycle Infrastructure
- TC3CN096 - Hydrodemolition for Bridge Deck Rehabilitation
- TC3CN099 - Fundamentals of Ultra-high Performance Concrete for Structures
- TC3MN045 - Equipment Specifications – Concepts and Tools for State Equipment Fleets
- TC3MS064 - Reinforcing Steel for Structures

Grader Hands-On Training

Now Scheduling: Grader Hands-On Training

We've been in the field doing some hands-on grader training.

If you'd like to schedule a training you can reach out to Stu directly at 802-279-2094 or click below to complete the form.

Request Grader Training Here



VLR Past Webinar Recordings

NOW AVAILABLE: Recordings of past VLR webinars are now available on our [website](#). They are categorized by Roads Scholar category (Environmental, Equipment, Safety, Supervisory or Technical).

Featured recording for this month is Trench Safety



Tailgate Talks

Vermont Local Roads in partnership with the Vermont Agency of Transportation (VTTrans) is proud to announce the relaunch of "Tailgate Talks."

These are intended to be brief 10-15 presentations of information, exercises, and opportunities to review important workplace policies and procedures with staff members.

"To Review as a Group:" Use the PDF to the right, once reviewed as a group, please send a sign-in sheet of names [to the VLR team](#). We will enter those names into the LMS to have the tailgate talks added to your transcript.

In the near future you will be able to watch recorded tailgate talks via the Learning Management System.

Heat Stress

Summer Storms

News & Resources for Municipalities

In this section you will find news and resources for municipalities.



Show Me the Money!

Vermont Agency of Transportation Grants – A guide for Municipalities



[Sign up for the Listserv](#)

[Visit our website](#)



Vermont Local Roads | 802-828-3537 | [Email](#)

The VLR team is dedicated to providing assistance to municipal highway departments and town governments to improve their road networks by providing training, technical assistance, communication tools and information exchange.