

VERMONT LOCAL ROADS

VLR Learning Opportunities Issue 3 - August 9, 2021

Scroll down to see more information and to register for these trainings.

What's in this month's issue?

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- VLR Introduction to Welding Processes (In-Person)
- VLR Virtual Safety Training: Roadside Safety
- VLR Virtual Technical Round Table: Municipal Bridge Maintenance and Management
- TC3 (Transportation Curriculum Coordinate Council)

Grader Hands-On Training

- Scheduling now

Featured Webinar Recording

- Sign Asset and Management Compliance

Tailgate Talks

- Control of Hazardous Energy (LOTO)
- Transporting a Machine

News & Resources for Municipalities

- Happy Retirement
- Safe & Sound Week, August 9-15, 2021
- VTrans Show Me the Money Guide for Municipalities

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 Technical Training

Roadway Fundamentals

Module 1 of 4 – Design Concerns

In Module 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

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.

engineering the roads we work with based on how they are used or projected to be used.

[REGISTER](#) via VLR Website
[REGISTER](#) vis LMS

Module 2 of 4 – Drainage

In Module 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 Module 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 Module 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 (60II 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.

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

Roads Scholar Category - 16 Equipment hours

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**
(first come first serve)

VLR Virtual Safety Training

Roadside Safety

Module 1 of 3 – Roadside Safety Approach

In Module 1 we provide an overview and look at the need for a roadside safety approach.

Module 2 of 3 – Roadside Topography

In Module 2 we will review some AASHTO standards for roadside safety design and define terms like "clear zone".

Module 3 of 3 – Roadside Support Structures

In Module 3 we look at guardrails and other safety standards for structures on the roadside.

Roads Scholar Category - 3 Technical hours

September 7, 14, 21

3 days - credit will only be given when you attend all 3 days.

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

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

VLR Virtual Technical Round Table

Municipal Bridge Maintenance & Management

This webinar will cover:

- A town's legal management responsibilities
- An explanation of the stat's inspection program, process and reports

September 8

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

[REGISTER](#) via VLR Website

[REGISTER](#) vis LMS

- Safety related to bridge maintenance, working over water, dust, lead, and paint
- Routine maintenance practices, cleaning, deck, and structure
- Weight limits, posting, enforcement, and signage
- Funding and other resources

Roads Scholar Category - 1 Technical hour

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](#).**

The [Shop Drawings](#) training includes an overview of the title page and its components and the bill of materials, including quantities and dimensions of materials. There are three modules that make up this course.

- Introduction to Shop Drawings;
- Steel Structure Shop Drawings;
- and Concrete Structure Shop Drawings.

The [Plan Reading Basics](#) offers introductory information required for reading and understanding highway plans. This course includes an overview of the title page and its components, station numbers, townships, and quantity estimates. *Additional modules in the curriculum include:*

- Grading Plans
 - Traffic Control Plans
 - Erosion and Sediment Control Plans
 - Right-of-Way Plans - NEW
 - County Plans
 - Bridge Plans
 - Culvert Plans
 - Highway Plan Reading Basics (Re-versioned)
-

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 Sign Asset and Management Compliance.](#)



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.

Control of
Hazardous Energy
(LOTO)

Transporting
a
Machine

News & Resources for Municipalities

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

Happy Retirement to Stu!

Join us in congratulating Stu Johnson for his years of service to Vermont Local Roads and the Town of Cornwall. Stu has always been a dedicated advocate for the municipal road crews in the challenges they face in the great work they do. Vermont Local Roads has greatly benefitted from his knowledge and expertise after transitioning from Saint Michael's College to the Agency of Transportation. The State of Vermont has benefitted from his passion for municipal road crews, and he will be greatly missed.

Congratulations, Enjoy your new weekends which will last 7 days!

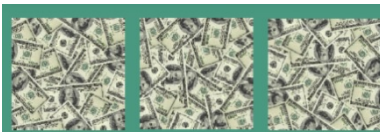




Safe + Sound Week | Occupational Safety and Health...

Why Participate? Successful safety and health programs can proactively identify and manage workplace hazards before they cause injury or illness, improving sustainability and the bottom line. Participating in Safe + Sound Week can help get your...

[Read more](#)
www.osha.gov



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.