

2012 Bridge Load Rating Training

Introductory Webinars:

Webinars serve as an introduction to bridge load rating and the bridge load rating software Virtis™. These sessions are recommended as preparation for the classroom sessions for those who have little bridge rating experience or have never used Virtis™.

Three repeat sessions:

March 13, 2012, 1:00 PM - 3:00 PM

March 15, 2012, 10:00 AM - 12:00 PM

April 19, 2012, 1:00 PM - 3:00 PM

Classroom Sessions (Two Days):

Classroom sessions teach participants how to perform bridge load ratings using Virtis™. At the end of the training, participants will perform load ratings using as-builts as their guide (instructors will provide individual assistance). **Participants are eligible for 12 hours of bridge inspector recurrent training.** Class sizes are limited to 20 participants, so please register early.

Day 1 – 8:00 AM - 5:00 PM

Day 2 – 8:00 AM - 12:00 PM

April 10 & 11, 2012

Bay College - Joseph Heirman Center
(Access from Danroth Rd.)
2000 North 30th St.
Escanaba, MI 49829

April 30 & May 1, 2012

Horizon's Conference Center
6200 State St.
Saginaw, MI 48603

May 2 & 3, 2012

Cleary University-Livingston Campus,
Chrysler Building
3750 Cleary Dr.
Howell, MI 48843

June 4 & 5, 2012

Ramada Inn & Conference Center
2650 I-75 Business Loop
Grayling, MI 49738

June 6 & 7, 2012

Crowne Plaza
5700 28th St. S. E.
Grand Rapids, MI 49546

September 11 & 12, 2012

Holiday Inn & Conference Center
1005 Perry Ave.
Big Rapids, MI 49307



Program Overview

Approximately 4,000 local agency bridges in the state of Michigan require load rating or review of existing ratings. The Michigan Department of Transportation (MDOT) created a prioritization schedule that organizes local bridges requiring load rating into three tiers. These ratings must be completed by the end of 2012, 2014, and 2016 respectively. To help coordinate and manage this effort MDOT has contracted with the Center for Technology and Training (CTT) at Michigan Technological University (MTU) to develop a Bridge Load Rating Program to provide training and support for local road agencies.

Why Attend?

The training offered by the Bridge Load Rating Program will inform participants of the current status of the load rating initiative in Michigan and will provide them with a working knowledge of the software program Virtis™.

Virtis is an AASHTOWare product used to conduct bridge load ratings. The program is available for use on Michigan bridges **at no cost to local agencies and their consultants**. Virtis provides many benefits over hand calculations; most notable is the ability to quickly update calculations to reflect the most recent inspection data. Virtis also provides the ability

to remain current with the latest specifications and allows for analysis using either LFR or LRFR.

Cost and Registration

The cost to attend each training sessions is as follows:

Webinars \$10
Classroom Training Sessions (two days) \$75

The fee for the classroom training sessions covers break refreshments (both days), lunch (day 1), and handouts. The fee does not include hotel accommodations.

Attendees should bring a laptop with Virtis™ installed to the on-site training. If you do not have access to a laptop computer, the CTT office has a limited number available for these training sessions. Please contact the CTT office to reserve one.

To register, contact Michigan's Local Technical Assistance Program at the Center for Technology & Training by calling (906) 487-2102. Visa and MasterCard are accepted.

Cancellation Policy: No-shows and cancellations within three business days prior to training session will be charged the full registration fee. Substitutions will be accepted.

Agenda

Introductory Webinar

- Introduction to the Michigan Bridge Load Rating Program
- Overview of Virtis™ capabilities and program layout
- How to receive the software

Bridge Load Rating Training Program

Day 1 (8:00 AM - 5:00 PM):

- Introduction and MDOT Update
- Load rating requirements
- Demonstration of software capabilities
- Discussion of software organization and reporting options
- Hands-on Exercise

Day 2 (8:00 AM - 12:00 PM):

- Conduct a bridge load rating using a set of plans, specifications, and Virtis™

