

Michigan Bridge Conference



2016
Lansing, MI

 Center for
Technology & Training



Michigan's
Local Technical
Assistance Program

Pre-conference Workshop

*Bridge Inspection Quality Assurance/
Quality Control, Reporting, & Safety*

March 22, 2016

8:00 AM - 5:00 PM

Michigan Bridge Conference

March 23, 2016

8:00 AM - 5:00 PM

Event Schedule



Tuesday, March 22

Workshop: Bridge Inspection QA/QC, Reporting, & Safety

This workshop will provide bridge engineers, bridge designers, and bridge owners a deeper understanding of bridge inspection reporting requirements, including routine reporting requirements, timeliness of inspections and reporting, new reporting requirements, and Scour Action Plan-development, use, and documentation. The morning sessions will provide overviews of quality control/quality assurance, inspection reporting requirements, and risk based inspections.

The second half of the workshop will include non-destructive evaluation, Michigan-bridge updates, and safety issues. In addition, the workshop has a goal of highlighting two research projects, a remote sensing-3D wireless bridge inspection tool, and unmanned aerial vehicles with examples of completed projects using both 3D cameras and infrared technologies. Safety topics include OSHA requirements such as railing height and tie off requirements, bridge inspection planning, job safety analysis, PPE, work plan development, paperwork, reporting, record keeping, working around roadways/railroads/waterways, working above the ground, working in confined spaces, and permit-entry issues.

Schedule

- 6:30 *Check-in*
- 7:00 *Breakfast Buffet*
- 8:00 *Workshop Begins*
- 10:00 *Break (15 minutes)*
- 12:00 *Lunch*
- 1:00 *Afternoon Session*
- 3:00 *Break (15 minutes)*
- 5:00 *Adjourn*

Topics

- *QA/QC Reviews*
- *Inspection Reporting Requirements*
- *Risk Based Inspections*
- *Non-Destructive Evaluations*
- *MiBRIDGE*
- *Safety*

Instructors

Colin Brooks, *Senior Research Scientist, MTRI*
Jim Gaus, *Occupational Safety Specialist, MDOT*
Rich Kathrens, *Bridge Safety Inspection Engineer, MDOT*
Mark Lewis, *Michigan Division Bridge Engineer, FHWA*
Steve Miller, *Regional Manager, Collins Engineers, Inc.*
Amy Trahey, *President, Great Lakes Engineering Group, LLC*

The 2016 Michigan Bridge Pre-Conference Workshop counts for 7.5 instructional hours for Continuing Education for Professional Engineers and 8 bridge inspection recurrent trainings as defined by The National Bridge Inspection Standards.

Wednesday, March 23

Bridge Conference Agenda

- 6:30 *Check-in*
- 7:00 *Breakfast Buffet*
- 7:55 *Opening Remarks*
- 8:00 *Federal Highway Administration Update*
Mark Lewis, PE, Michigan Division Bridge Engineer, FHWA
- 8:30 *Michigan Department of Transportation Update*
Beckie Curtis, PE, Bridge Management Engineer, MDOT
Corey Rogers, PE, Bridge Construction Engineer, MDOT
- 9:00 *Local Bridge Program Update*
Keith Cooper, PE, Bridge Program Manager, MDOT
- 9:30 *Question & Answer Period*
FHWA & MDOT
- 9:45 *Break*
- 10:00 *Dyckman Ave over Black River: A Moveable Bridge Rehabilitation*
Larry Halberstadt, PE, City Engineer, *City of South Haven*
- 10:45 *Evaluation & Analysis of Decked Bulb-T Beam Bridges*
Nabil Grace, PhD, PE, Dean, *Lawrence Tech University*
Dave Juntunen, PE, Bridge Development Engineer, MDOT
- 11:30 *Prairie Street over Maple River: A Project with Threatened & Endangered Species*
Doug Hyland, Village President, *Village of Muir*
Connie Houk, PE, Project Engineer, *Prein & Newhof*
Tom Estrem, Project Scientist, *Cardno*
- 12:00 *Lunch*
- 1:00 *Bridge Asset Management*
Brad Wieferich, PE, Design Engineer, MDOT
- 1:30 *Large Diameter Culvert & Pipe Rehabilitation with Geopolymer Mortar Linings*
Dave Keaffaber, PE, Region Manager, *Milliken Infrastructure Solutions, LLC*
- 2:15 *Break*
- 2:30 *SHPO & Historic Bridges*
Lloyd Baldwin, Historian, MDOT
- 3:15 *Working with Threatened & Endangered Species*
Jeff Grabarkiewicz, MS, Wildlife Ecologist, MDOT
- 4:00 *Rehabilitation of the Portage Lake Lift Bridge*
Al Anderson, PE, Construction Engineer, MDOT
John Michels, Retired, MDOT
- 5:00 *Adjourn*

The 2016 Michigan Bridge Conference counts for 7.5 instructional hours for Continuing Education for Professional Engineers.

Registration and Location



Registration

You must register separately for each event (see costs below). Seating is limited; please register early to ensure participation.

Pre-conference Workshop: Bridge Inspection QA/QC, Reporting, & Safety

Employees of Public Agencies.....\$75
Employees of Private Companies.....\$95
Register [here](#) for the Pre-Conference Workshop

Michigan Bridge Conference

Employees of Public Agencies.....\$95
Employees of Private Companies.....\$120
Register [here](#) for the Bridge Conference

Visa and MasterCard are accepted. If you have special dietary needs, please notify us in advance and we will accommodate you to the best of our ability.

The costs for each event includes a breakfast buffet, break refreshments, lunch, and conference materials. The registration fee does not include hotel accommodations.

A limited number of MDOT participants have been approved to attend. MDOT staff need to contact [Julia Tanner](#) at (517) 335-2177 to be added to that list prior to registration.

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

Questions? Email ctt@mtu.edu, or contact the Center for Technology & Training by calling (906) 487-2102.

Continuing Education

This workshop and conference will provide information about bridge inspection, research, construction, repair, and management. The workshop and conference count for 7.5 instructional hours each for Continuing Education for Professional Engineers. The 2016 Michigan Bridge Pre-Conference Workshop will qualify for 8 bridge inspection recurrent training as defined by The National Bridge Inspection Standards (NBIS).

See the CTT's policy for Continuing Education for Professional Engineers in Michigan [here](#).

Accommodations

Rooms have been set aside at the Crowne Plaza Lansing West. Rooms are available on a first-come, first-served basis at a rate of \$124.00 per room for private agencies and \$75 for government agencies. To reserve a room at this rate, call the Crowne Plaza at (877) 322-5544 and mention the Michigan Bridge Conference.

Location

Crowne Plaza Lansing West
925 S. Creyts Rd
Lansing, MI
(517) 323-7100



Directions to Hotel/Conference Center

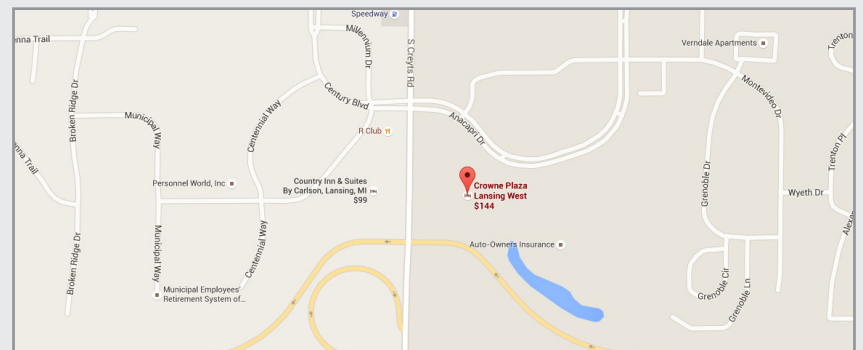
From the North: US27 S to I69 W, Exit 89 Continue on I69 W toward Charlotte/Ft Wayne. I69 W Merges with I96 E, Take I496 Downtown Lansing, Exit 95, go 1 mile on I496 to Creyts Rd, Exit 1. Left on Creyts Rd, turn right at 1st light, Anacapri Blvd.

From the South: US27 to I96 W Towards Grand Rapids, Continue on I96 to I496 E Downtown Lansing, Exit 95. Take Creyts Rd Exit and Turn Left Onto Creyts Rd. Right at 1st light, Anacapri Blvd. Hotel is 2nd drive on the right.

From the East: I96 W To Lansing I496 W Exit 106B. Continue on I496 to Creyts Road Exit 1. Take this exit and turn left onto Creyts Rd. Right at 1st light, Anacapri Blvd. Hotel is 2nd drive on right.

From the West: I96 E to Lansing I496E. Continue on I496 to Creyts Rd, Exit 1. Take this exit and turn left onto Creyts Rd. Right at 1st light, Anacapri Blvd. Hotel is 2nd drive on right.

Follow signs inside the hotel to the conference room.



[Click the image for a Google map of the Crowne Plaza Lansing West](#)