



2009

Update from MDOT

MDOT's Local Bridge Program

Farm Lane Road Railroad Underpass Project

Load Ratings

Parkview Ave. over US 131

Asset Management

Pre-fabricated Bridges

TRAC

Michigan Historic Bridges

LRFD and ASD

Lessons Learned from the 2008 Floods



Michigan's
Local Technical
Assistance Program

(906) 487-2102 or Fax (906) 487-3409
www.MichiganLTAP.org



MICHIGAN
BRIDGE
CONFERENCE

March 11, 2009
Big Rapids

Pre-conference Workshop

Scour: Level 1 & 2 Evaluations, Plans of Action, &
Countermeasures

8:30 AM – 4:00 PM on March 10

Special Presentation

Rail: Past, Present and Future

7:00 PM on March 10



Local Technical Assistance Program
309 Dillman Hall
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295
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Nonprofit Organization
U.S. POSTAGE PAID
Permit No. 11
Houghton, Michigan
49931

2009 Michigan Bridge Workshop and Conference

The Michigan Bridge Conference and pre-conference workshop provide information about bridge research, construction, repair, and management. The workshop and conference will be held at the Holiday Inn and Conference Center in Big Rapids on March 10 and 11, 2009.

Registration

You must register separately for each event. Seating is limited for both events; please register as early as possible to ensure your participation. To register, call the Michigan LTAP office at (906) 487-2102. Visa and MasterCard are accepted. When registering, please let us know if you have any special dietary needs. Please also indicate whether you plan to attend the Special Presentation on the evening of March 10 (no extra cost to attend).

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.

Accommodations

A block of rooms has been reserved at the Holiday Inn. The rooms are available on a first come, first served basis at a rate of \$82.00 per room. To reserve a room at this rate, call the Holiday Inn at (231) 796-4400 by February 16, 2009, and mention "Michigan Bridge Conference."

Advance Check-in

To avoid early morning crowds for the conference, you may check in on Tuesday, March 10 from 6:30 to 7:30 P.M.

Cost

Workshop: Scour - Level 1 & 2 Evaluations, Plans of Action, & Countermeasures (Tuesday, March 10)

Employees of Public Agencies \$75
 Employees of Private Companies \$95

Michigan Bridge Conference (Wednesday, March 11)

Employees of Public Agencies \$95
 Employees of Private Companies \$120

The costs for each event include coffee-break refreshments, lunch, conference materials, and handouts. The registration fee does not include hotel accommodations.

Driving Directions

From the North:

Take US 131 to Exit 139. Head East. The hotel is 1 mile on the right side of the street.

From the South:

Take US 131 to Exit 139. Head East. The hotel is 1 mile on the right side of the street.

From the East:

Take I-96 to US 131 North to Exit 139. Head East. The hotel is 1 mile on the right side of the street.

From the West:

Take M-20 to Big Rapids. The hotel is 1 mile past US 131 overpass on the right side of the street.

Agenda: Tuesday, March 10, 2009

Workshop: Scour - Level 1 & 2 Evaluations, Plans of Action & Countermeasures

The pre-conference workshop will provide valuable information and answers to questions on how local agencies can meet the Michigan Bridge Inspection System (MBIS) requirements for evaluating bridge structures for scour potential, including Level 1 and 2 Evaluations and developing plans of action. The panel of experts hosting the workshop include: David Juntunen, P.E., Engineer of Bridge Operations, MDOT; Chris Potvin, Engineer—Design Division, MDOT; Dan Ghere, Hydraulics Engineer, FHWA; Jon Nekritz, P.E., Division Bridge Engineer, FHWA; Jerry Fulcher, Chief—Transportation & Flood Hazard Unit, MDEQ; Brian Barkdoll, P.E., Ph.D., Department of Civil and Environmental Engineering, MTU; Patricia Schriener, P.E., Talga Engineering, and more.

Workshop Agenda - 8:30 AM - 4:00 PM

8:30	Check-in
9:00	Workshop Begins
10:30 - 10:45	Break
12:00 - 1:00	Lunch
2:00 - 2:15	Break
4:00 PM	Adjourn

Workshop Topics will include:

- Overview of Regulations
- Level 1 Evaluation
- Level 2 Evaluation
- Scour Calculation & Countermeasure Design
- Plans of Action
- MDOT Quality Assurance
- Case Studies
- Permitting

Special Presentation:

Rail: Past, Present and Future

7:00 PM on Tuesday, March 10

Dr. Pasi Lautala, PhD—Director, Rail Transportation Program
 Michigan Tech Transportation Institute

All are welcome to join Michigan Tech Alumni and friends for refreshments and listen to a presentation by Dr. Pasi Lautala about his perspective on the current state and promising future of the rail industry and how Michigan Tech's new Rail Transportation Program strives to revitalize the academia/industry collaboration in the development of 21st century railroads.

For more information visit <http://huskylink.mtu.edu/railroad2009>. If you plan to attend, please RSVP through the web site or call (906) 487-2400.

Wednesday, March 11, 2009

Bridge Conference Agenda

8:00	Check-in
8:25	Opening Remarks <i>Moderator, Devin Harris, PhD, Assistant Professor, Michigan Technological University</i>
8:30	Update from Michigan Department of Transportation <i>David Juntunen, P.E., Engineer of Bridge Operations, MDOT</i>
9:00	Update from Local Bridge Program <i>Mark Harrison, P.E., Bridge Program Manager, MDOT</i>
9:30	Question & Answer Period — MDOT
9:45	Break
10:10	The Farm Lane Road Railroad Underpass Project - Bridge to the Future <i>Jeremy Hedden, Bridge Engineer, Bergmann Associates, Inc.</i>
11:00	Load Ratings- State of Current and Future Practice <i>Rebecca Curtis, P.E., Load Rating Engineer, MDOT</i>
11:30	Parkview Avenue Over US131: An Illustration of Accelerated Bridge Construction <i>Janine Cooper, P.E., Southwest Region Construction Engineer, MDOT</i>
12:00	Lunch
1:10	Michigan's Transportation Asset Management Council: Next Step - Bridge Management for ALL Agencies <i>Steve Warren, Kent County Road Commission</i>
1:30	Pre-fabricated Bridges-Monroe County/Bloomfield Township A Cost Effective, Aesthetically Pleasing, Environmentally Friendly Alternative <i>Guy Nelson, P.E., Tricon Engineering Group, Ltd.</i> <i>Wayne Domine, P.E., Bloomfield Township Director</i>
2:15	Transportation and Civil Engineering (TRAC) - Leading by Example <i>Chris Gilbertson, P.E., Research Engineer, Michigan Technological University</i>
2:30	Break
2:50	Michigan Historic Bridges - Successes, Challenges and Updates <i>Lloyd Baldwin, Historian/Project Manager, MDOT</i>
3:35	Load Resistance Factor Design (LRFD) and Allowable Stress Design (ASD) - Different Ways of Looking at the Same Thing <i>Chris Gilbertson, P.E., Research Engineer, Michigan Technological University</i>
4:05	Lessons Learned from the 2008 Floods <i>Gary Dittmer, P.E., Engineer/Manager, Mason County Road Commission</i> <i>Karl Hanson, P.E., County Highway Engineer, Wexford County Road Commission</i>
5:00	Adjourn