



2006

Update from the FHWA

MDOT's Local Bridge Program

MDOT's Load Rating Procedure

Introduction to Bridge Scour

MDOT's Bridge Scour Procedure

Overcoming Construction Challenges:
Dixboro Road Bridge in Washtenaw County

Ultra High Performance Concrete

Self Consolidating Concrete

Anti-icing Technologies for Bridges

Maintaining the Mackinac Bridge



Michigan's
Local Technical
Assistance Program

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



MICHIGAN
BRIDGE
CONFERENCE

April 5, 2006

Midland

Pre-conference Workshop
Bridge Load Rating

9:30-3:30 on April 4



Local Technical Assistance Program
309 Dillman Hall
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295
(906) 487-2102

Nonprofit Organization
U.S. POSTAGE PAID
Permit No. 11
Houghton, Michigan
49931

2006 Michigan Bridge Conference and Workshop

The Michigan Bridge Conference and pre-conference workshop provide information on topics of bridge research, construction, repair, and management. The workshop and conference will be held at the Comfort Suites in Houghton Lake on February 21 and 22.

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 LTAP office at (906) 487-2102. Visa, MasterCard, and Discover are accepted. Please let us know if you have any special dietary needs.

Accommodations

A block of rooms has been reserved at the Comfort Suites, available on a first come, first served basis. The rate is \$89.99 per room per night plus tax. To reserve a room at this rate, call the Comfort Suites at (866) 422-5195 by January 27, 2006. The rooms are reserved under the name Michigan LTAP Conference. The room rate includes admission to the indoor water park.

Advance Check In

To avoid early morning crowds for the conference, you may check in on Tuesday, February 21 from 6 to 7 P.M.

Cost

Bridge Load Rating Workshop (February 21)	\$50
Michigan Bridge Conference (February 22)	
Employees of Public Agencies	\$75
Employees of Private Companies	\$95

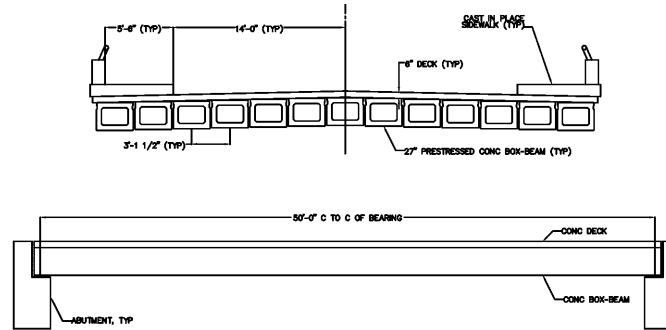
The costs include coffee-break refreshments, lunch, conference materials, and handouts. The registration fee does not include accommodations.

Directions to the Conference

Houghton Lake is 120 miles north of Lansing on US-127. To get to the conference, exit at M-55 East, travel 1/4 mile to Old 27, turn left, and then go 1/4 mile. The hotel is on the right.

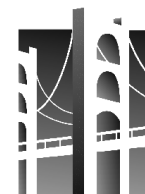
Bridge Load Rating Workshop

Wednesday, April 4



The pre-conference workshop will be led by Chris Gilbertson, P.E., and Dr. Tess Ahlborn, P.E. of Michigan Tech University's Department of Civil and Environmental Engineering. The workshop will provide an overview of the process of load rating bridges, based on the newest draft of MDOT's Bridge Analysis Guide. The workshop is structured to provide plenty of time to apply what you learn, and plenty of time to ask questions and discuss solutions. The agenda is as follows:

- 12:15** Check-in
- 12:30** Part 1: Introduction
- 12:35** Part 2: Overview of the Load Rating Procedure
- 1:00** Part 3: Calculations for Special Bridge Types
- 2:30** Break
- 3:00** Part 4: Hands-on Exercises
- 4:15** Part 5: Conclusion
- 5:00** Adjourn



Bridge Conference Agenda

Thursday, April 5

- 8:15** Check-in
- 8:40** Opening Remarks
Moderator: Dr. Tess Ahlborn, P.E.
Michigan Tech University
- 8:45** Update from the Federal Highway Administration
Jon Nekritz, P.E., Division Bridge Engineer
Federal Highway Administration, Michigan Division
- 9:15** Update from MDOT
David Juntunen, P.E., Engineer of Bridge Operations
Michigan Department of Transportation
- 9:45** Local Bridge Program
Mark Harrison, Bridge Program Manager
Michigan Department of Transportation
- 10:30** Break
- 10:45** Sustainable Bridge Design and Construction
Chris Gilbertson, P.E., Research Engineer
Michigan Tech University
- 11:30** Natural Rivers
Dan Pearson, Natural Rivers Administrator
Michigan Department of Natural Resources
- 12:00** Lunch
- 1:15** Pre-Fabricated Bridges: A National Perspective
Benjamin Tang, Principle Bridge Engineer
U.S. Department of Transportation
- 2:00** Pre-Fabricated Bridges: A Local Perspective
Guy Nelson, P.E., Civil Engineer
URS Corporation
- 2:45** Break
- 3:00** Bridge Inspection Procedures
Amy Trahey, P.E., President
Great Lakes Engineering Group, LLC
- 3:30** Historical Preservation: Tri-Level Bridge in Ferndale
Lloyd Baldwin, Historian/Project Manager
Michigan Department of Transportation
- 4:15** Closing Remarks and Adjourn
Moderator: Dr. Tess Ahlborn, P.E.
Michigan Tech University