



2010

FHWA Update

MDOT Update

Local Bridge Program—Rating System

Historic Bridge Program Update

Accelerated Construction

Migratory Bird Special Provision

TAMC Update

Load Rating

Widening a Bridge

Anti-icing—SafeLane

Deck Delaminations

Gateway to a Community



**Michigan's
Local Technical
Assistance Program**

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



MICHIGAN
BRIDGE
CONFERENCE

March 24, 2010

Big Rapids

Pre-conference Workshop

Bridge Inspection: Safety Refresher Workshop

8:30 AM – 4:00 PM on March 23

Special Presentation

The Solution is with the Details

Dr. Henry Santeford, Jr., MTU Professor Emeritus

7:00 PM on March 23



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

2010 Michigan Bridge Workshop and Conference

The Michigan Bridge Conference and pre-conference workshop provide information about bridge inspection, research, construction, repair, and management. The workshop and conference will be held at the Holiday Inn and Conference Center in Big Rapids, MI, on March 23 and 24, 2010.

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 23 (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 March 2, 2010, and mention "Michigan Bridge Conference."

Advance Check-in

To avoid early morning crowds for the conference, you may check in on Tuesday, March 23 from 6:30 to 7:30 P.M.

Cost

Workshop: Bridge Inspection: Safety Refresher Workshop (Tuesday, March 23)

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

Michigan Bridge Conference (Wednesday, March 24)

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

The costs for each event include 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.

Tuesday, March 23, 2010

Workshop: Bridge Inspection—Safety Refresher

The National Bridge Inspection Standards (NBIS) Title 23-CFR-650 Section 650.313g requires all states to provide periodic refresher training for persons involved in bridge inspection. As per this requirement, the State of Michigan requires 24 hours of training in the preceding 5 years. With proper documentation, persons who participate in this workshop will receive credit for 6 hours of refresher training; further information regarding documentation will be provided at the workshop. This workshop is intended for all persons involved in the bridge inspection process, including inspection team leaders, members and managers, as well as bridge engineers, safety officers, traffic control personnel, public works officials and other technical personnel involved in the transportation infrastructure field. This workshop will provide topic-specific safety awareness for bridge inspectors. Its goal is to provide information to aid in the safe accomplishment of a typical bridge inspection and to provide guidance on safety planning and documentation. Presenters include Terry Browne, P.E. (Division Mgr., Collins Engineers, Inc.) & Allan Morby, P.E. (Division Mgr., Collins Engineers, Inc.).

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 (Provided)
2:00 - 2:15	Break
4:00 PM	Adjourn

Workshop Topics will include:

- Bridge Inspection Planning / Job Safety Analysis / Personal Protection Equipment
- Work Plan, Paperwork, Reporting, Record Keeping
- Vehicle, Marine, & Railway Protection
- Requirements On, In, Near, or Over Water
- Fall Protection, Ladders, & Scaffolding
- Aerial Lifts / Snooper Trucks / Access Climbing Equipment
- Confined Space & Permitted-entry Issues
- Mechanical / Electrical Issues (Moveable Bridges)

Special Presentation: *The Solution is with the Details*

7:00 PM on Tuesday, March 23

Grill Room, Holiday Inn - Big Rapids, MI

Dr. Henry Santeford, Jr., Professor Emeritus of Civil & Environmental Engineering at Michigan Tech, will use recent studies on topics including FEMA Flood Insurance levels, Ice Dam, Bridge Replacement, and Structural Failure, to illustrate what can and has occurred when reliance solely on models prevailed over full and careful consideration of the details.

All are welcome to join Michigan Tech alumni and friends for refreshments and Dr. Santeford's presentation. There is no charge to attend, but please RSVP for planning purposes. Visit huskylink.mtu.edu/techconnectbigrapids2010 or call toll-free (877) 688-2586 to register for the special presentation.

Wednesday, March 24, 2010

Bridge Conference Agenda

8:00	Check-in
8:25	Opening Remarks <i>Moderator, Chris Gilbertson, P.E., Michigan Technological University</i>
8:30	Federal Highway Administration Update <i>Ted Burch, P.E., Assistant Division Administrator, FHWA—Michigan Division</i>
9:00	Michigan Department of Transportation Update <i>Dave Juntunen, P.E., Engineer of Bridge Operations, MDOT</i>
9:30	Local Bridge Program Rating System <i>Mark Harrison, P.E. Bridge Program Manager, MDOT</i>
10:00	Question & Answer Period—FHWA & MDOT
10:15	Break
10:30	Site & Situation: Bridges in Context/Historic Bridge Program Updates <i>Lloyd Baldwin, Historian/Cultural & Historic Resource Coordinator, MDOT</i>
11:15	Accelerated Construction/Replacement Using Pre-engineered Structures <i>Dave Keaffaber, P.E., Director of Precast Bridge Development</i> <i>Steve Matheny, P.E., Regional Project Consultant</i> <i>CONTECH Construction Products, Inc.</i>
12:00	Lunch
1:10	Bridges & Birds: Use & Implementation of the Migratory Bird Special Provision <i>Richard A. Wolinski, Wildlife Ecologist, MDOT</i>
1:30	Transportation Asset Management Council Update <i>Roger Safford, Region Engineer, MDOT & TAMC Bridge Committee Chair</i> <i>Mark Harrison, P.E., Bridge Program Manager, MDOT</i>
2:00	Load Rating: Are You Ready for October, 2010? <i>Rebecca Curtis, P.E., Load Rating Engineer, MDOT</i>
2:30	Break
2:45	Widening a Bridge: Unusual History & Solution—Ada, MI <i>Thomas Byle, P.E., Assistant Director of Engineering, Kent County Road Commission</i>
3:15	Stop Ice Before it Happens? Anti-icing of Pavements and the Use of Safelane <i>Russ Alger, Director, Institute of Snow Research, Michigan Technological University</i>
3:45	Deck Delaminations—Detection & Mapping by Thermal Imaging <i>Gary Howard, Director of Engineering, Talon Research, Inc.</i>
4:15	Gateway to a Community: Dexter Main Street Bridge Replacement / Mill Creek Restoration Project <i>Aaron Berkholz, P.E., Construction Supervisor, Washtenaw County Road Commission</i> <i>Paul Cousins, Trustee, Village of Dexter</i>
5:00	Adjourn