

Michigan  
**Bridge**  
Conference



**2014**  
Bay City, MI

**Michigan Bridge Conference:**

March 19, 2014

8:30 AM - 5:00 PM

**Pre-conference Workshop:**

*Introduction to Element-Level  
Bridge Inspection*

March 18, 2014

8:00 AM - 5:00 PM

 Center for  
**Technology & Training**

 Michigan's  
Local Technical  
Assistance Program

# Event Schedule



Tuesday, March 18

## Workshop: Introduction to Element-Level Bridge Inspection

This workshop will provide the latest procedural information to local agencies and consultants to perform element-level bridge inspection process. Presenters include:

- Larry O'Donnell, P.E., Senior Structural Engineer, FHWA Resource Center
- Sonny Jadun, Structural Engineer, FHWA Resource Center
- Mark Lewis, P.E., Michigan Division Bridge Engineer, FHWA
- Richard Kathrens, P.E., Bridge Safety Engineer, MDOT

Workshop participants can receive eight hours of credit towards the National Bridge Inspection Standards recurrent training.

### Schedule

7:30 *Check-in*

8:00 *Workshop begins*

9:30 *Break (15 minutes)*

11:30 *Lunch*

12:30 *Afternoon Session begins*

2:10 *Break (15 minutes)*

5:00 *Adjourn*

### Topics

- *Element vs. Component vs. Safety Inspection*
- *Structures and Structure Units*
- *Elements (NBE, BME, ADE)*
- *Element Environments*
- *Element Condition States*
- *Defect Flags*



Wednesday, March 19  
Bridge Conference Agenda

8:00 *Check-in*

8:25 *Opening Remarks*

8:30 *Federal Highway Administration Update*

Mark Lewis, P.E., Michigan Division Bridge Engineer, FHWA

8:45 *Michigan Department of Transportation Update*

Beckie Curtis, P.E., Bridge Management Engineer, MDOT

Matt Chynoweth, P.E., Engineer of Bridge Field Services, MDOT

9:15 *Local Bridge Program Update*

Keith Cooper, P.E., Bridge Program Manager, MDOT

9:45 *Question & Answer Period*

FHWA & MDOT

10:00 *Break*

10:15 *Kent County Road Commission Box Beam Testing*

Elin Jensen, Associate Professor, Civil Engineering, Lawrence Tech University

Nabil Grace, Dean, College of Engineering, Lawrence Tech University

Tom Byle, P.E., Assistant Director of Engineering, Kent County Road Commission

11:00 *Strategies to Mitigate Scour Critical Structures*

Dan Ghere, Senior Hydraulics Engineer, FHWA Resource Center

12:00 *Lunch*

1:00 *Michigan Transportation Asset Management Council Update*

Roger Safford, Region Engineer, MDOT & Bridge Committee Chair, TAMC

1:30 *Culvert & Bridge Rehabilitation by Reline Method*

John Kanzlemer, Area Manager - SRPE and Reline Technologies, Contech Engineered Solutions

2:15 *Break*

2:30 *Experiences Specifying & Constructing Timber Bridges*

Jerry Peterson, Managing Director, Jackson County Department of Transportation

3:15 *In Situ Stabilization of Soils by Injection of High-Density Polyurethane*

Randy Brown, Ph.D., P.E., Vice President of Engineering, URTEK USA, Inc.

4:00 *Bridges in the Antarctic*

Russ Alger, Program Manager/Director of the Institute for Snow Research, Keweenaw Research Center

5:00 *Adjourn*



# Registration and Location



## Registration

You must register separately for each event (see costs below). Seating is limited; please register early to ensure participation. To register, contact the Center for Technology & Training by calling (906) 487-2102 or email [ctt@mtu.edu](mailto:ctt@mtu.edu). 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.

### Workshop: Introduction to Element-Level Bridge Inspection

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

### Michigan Bridge Conference

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.

MDOT staff must receive approval from David Juntunen 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.

## 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 and 7 instructional hours respectively.

See the CTT's policy for Continuing Education for Professional Engineers in Michigan at:

<http://michiganltap.org/ContinuingEducation>

## Accommodations

A block of rooms has been reserved at the Doubletree by Hilton Bay City - Riverfront Hotel. Rooms are available on a first-come, first-served basis at a rate of \$85.00 per room. To reserve a room at this rate, call the Doubletree by Hilton at (989) 891-6000 and mention the Michigan Bridge Conference.



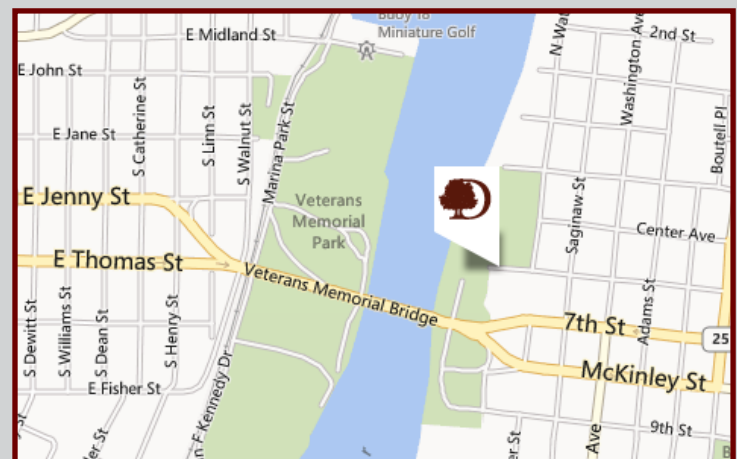
## Location

Doubletree by Hilton Bay City - Riverfront Hotel  
1 Wenonah Park Place  
Bay City, MI 48708

## Directions to Hotel/Conference Center

From Interstate I-75, take Exit 162A East (M-25) for 2 miles. The hotel is just over the bridge on the left along the Saginaw River. After crossing the bridge, turn left at the first light onto Saginaw Street. Drive two blocks, then turn left on 6th Street. The entrance will be straight ahead.

Follow signs inside the hotel to the conference room.



[Click the image for a Google map of the Riverfront Hotel](#)