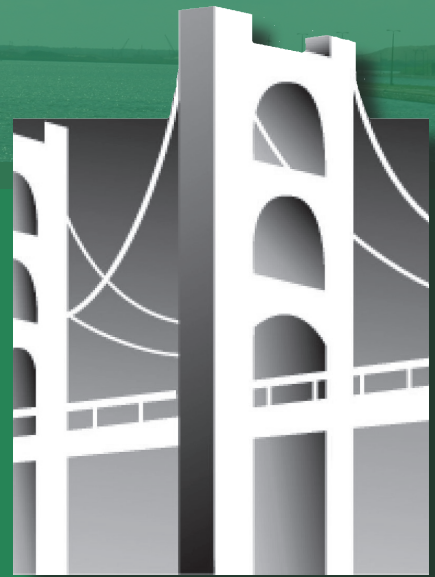




# Michigan Bridge Conference

# 2020

Pontiac, Michigan



## Tuesday, March 17 – Wednesday, March 18

The **MICHIGAN BRIDGE CONFERENCE** is a multi-day Michigan LTAP event providing the latest information about innovation and research in bridge inspection, research, construction, repair, and management. **DAY 1** delves into a specific topic that benefits state and local bridge engineers; bridge consultants; and personnel responsible for design, construction, and maintenance of bridges. **DAY 2** encompasses a broader range of topics pertinent to engineers, engineering consultants, and surveyors from state, municipal, and local agencies who manage and work with bridge assets.

## Day 1—Educational Sessions

Tuesday, March 17, 2020

	7:00	Registration & Breakfast Buffet
	8:00	Welcome & Introductions Chris Gilbertson, PhD, PE, <i>Center for Technology &amp; Training</i>
1	8:15	State of the Art: Precast, Prestressed Concrete Bridges, & Industry Innovations William Nickas, PE, <i>Precast/Prestressed Concrete Institute</i> Gregg A. Freeby, PE, <i>National Concrete Bridge Council</i>
2	9:00	Prestressed Concrete Theory, Design, & Analysis – Part 1 Dan Dowden, PhD, PE, <i>Michigan Technological University</i>
	10:00	Break
3	10:15	Prestressed Concrete Theory, Design, & Analysis – Part 2 Dan Dowden, PhD, PE, <i>Michigan Technological University</i>
4	11:15	Prestressed Concrete Fabrication Process – Part 1 TBD
	12:00	Lunch
	1:00	Afternoon Bridge Quiz
5	1:15	Prestressed Concrete Fabrication Process – Part 2 Jordan Pelphrey, PE, <i>William &amp; Works</i>
6	2:00	CFRP Reinforcement Nabil Grace, PhD, PE, <i>Lawrence Technological University</i>
	2:45	Break
	3:00	Afternoon Bridge Quiz
7	3:05	How to Include New Materials/Techniques in Your Bridges Matt Chynoweth, PE, <i>Michigan Department of Transportation</i>
8	3:30	Specialty/Innovative Precast Solutions Jordan Pelphrey, PE, <i>William &amp; Works</i>
9	4:00	Panel Discussion, Q&A, Final Thoughts All presenters
	4:45	Looking Ahead: Bridge Week 2021 Chris Gilbertson, PhD, PE, <i>Center for Technology &amp; Training</i>
	5:00	Adjourn

The 2020 Michigan Bridge Conference Day 1 counts for 7.5 instructional hours for Continuing Education for Professional Engineers.

## Day 2—Conference Sessions

Wednesday, March 18, 2020

	7:00	Registration & Breakfast Buffet
10	8:00	Federal Highway Administration Update TBD
11	8:20	Michigan Department of Transportation Update Matt Chynoweth, PE, <i>Michigan Department of Transportation</i>
12	9:00	Local Bridge Program Update Keith Cooper, PE, <i>Michigan Department of Transportation</i>
13	9:30	Question & Answer Period FHWA & MDOT
	9:45	Break
14	10:00	NBIS Update Brian Zakrzewski, PE, <i>Michigan Department of Transportation</i>
15	10:45	Asset Management Plans: Showing the Value of Preservation Dave Juntunen, PE, <i>The Kercher Group, Inc.</i>
16	11:30	TBD
	12:00	Lunch
17	1:00	TAMC Update Beckie Curtis, PE, <i>Michigan Department of Transportation</i>
18	1:45	Innovative Sensor Test-bed Expansion for Mackinac Bridge Nizar Lajnef, PhD, <i>Michigan State University</i>
19	2:30	Large Culvert Rehabilitation with a Spray Applied Structural Geopolymer Mortar Lining Dave Keaffaber, PE, <i>GeoTree Solutions</i>
	3:15	Break
20	3:30	Non-destructive Bridge Inspection using Ground Penetrating Radar Glen Simula, PE, <i>GS Infrastructure, Inc.</i>
21	4:15	Economical, Shallow-depth Press-Brake-Formed Steel Tub Girder Superstructures Guy Nelson, PE, SE, <i>TEGcivil</i> Dewayne Rogers, <i>Clare County Road Commission</i>
	5:00	Adjourn

The 2020 Michigan Bridge Conference Day 2 counts for 7.5 instructional hours for Continuing Education for Professional Engineers.





## Registration

You must register separately for each day. Seating is limited; register early to ensure participation.

### Day 1—Educational Sessions.....Register [HERE](#)

Employees of Public Agencies.....\$90

Employees of Private Companies.....\$120

### Day 2—Conference Sessions.....Register [HERE](#)

Employees of Public Agencies.....\$90

Employees of Private Companies.....\$120

*Visa, MasterCard, Discover, and American Express* are accepted. The registration fee includes all sessions and materials for the day, breakfast, lunch, and break refreshments; it does not include hotel accommodations. Please notify us in advance if you have special dietary needs.

MDOT staff nominated for attendance will be contacted by Sarah Wedley to be included in the MDOT attendee list for bulk registration. Sarah can be reached at (517) 636-6144 or [wedleys@michigan.gov](mailto:wedleys@michigan.gov).

**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?** Contact the Center for Technology & Training at [ctt@mtu.edu](mailto:ctt@mtu.edu).

## Continuing Education

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

## Conference Location & Accommodations

**Marriott Auburn Hills Pontiac** | 3600 Centerpoint Parkway  
(248) 253-9800 | [www.marriott.com](http://www.marriott.com) | Pontiac, Michigan 48341

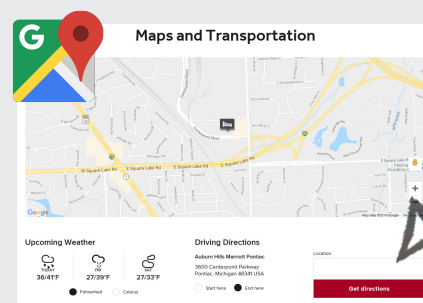
Rooms have been set aside for conference attendees at Marriott Auburn Hills Pontiac on a first-come, first-served basis at the group rate of \$117.00/night per room. To reserve a room at this rate, call the Marriott at (800) 579-8395 and mention the MI Bridge Conference event, or book online at [www.marriott.com](http://www.marriott.com).

## Directions to Marriott Auburn Hills Pontiac

### From I-75:

- Take Exit 75 toward Square Lake Road/Business Loop 75.
- Continue onto I-75BL. Continue 0.3 miles.
- Use right lane to take Opdyke Road/Centerpoint Pkwy exit. Continue 0.3 miles.
- Continue on Centerpoint Parkway through the Opdyke Road intersection.
- Destination is the second turn on the left.

Get customized directions at <https://www.marriott.com/hotels/maps/travel/dtwp0-auburn-hills-marriott-pontiac>



## Register now!

To register for the 2020 Michigan Bridge Conference:

For the Day 1 Educational Sessions, visit:

<http://ctt.nonprofitsoapbox.com/2020bridgeconference-d1>

For the Day 2 Conference Sessions, visit:

<http://ctt.nonprofitsoapbox.com/2020bridgeconference-d2>

**More training opportunities at [ctt.mtu.edu/training](http://ctt.mtu.edu/training)**



Michigan Technological University • Department of Civil & Environmental Engineering

---

The Center for Technology & Training is located on the campus of Michigan Technological University. Programs managed by the CTT include the Michigan Local Technical Assistance Program, Roadsoft, the Michigan Engineers' Resource Library, and the Bridge Load Rating Program. The CTT's mission is to develop technology and software, coordinate training, and conduct research to support the agencies that manage public infrastructure. For more information, visit [ctt.mtu.edu](http://ctt.mtu.edu).

---