

Michigan **ite**

Official Publication of the Michigan Section of the Institute of Transportation Engineers

Letter from the President By Lia Michaels - Hubbell, Roth & Clark



MI ITE Section,

When I first wrote this letter, it was all about my excitement to be your new President and about all the fun in person events we had planned for the year. When our newsletter editor, Matt Kolis, asked if I wanted

to add a couple sentences to reflect on our current COVID-19 situation, I realized the old letter will no longer do. Over the last three weeks, our lives have dramatically changed, and our upcoming year has so many unknowns.

A couple things remain, I can still give a big thanks to Carissa McQuiston for paving the way as President and all those that volunteered to make 2019 a huge success! We had a great year with many outstanding events.

We did manage to fit in one fun event in 2020! Despite the snowy weather, we had a great turnout across the State for Trivia Night. Lansing brought home the trophy this year after multiple tie-breakers with Detroit.

The Spring Technical Session was all set for Lansing in March with the brand-new Past Presidents' breakfast planned for prior to the meeting. Mark Bott and the technical committee had done an awesome job with the agenda and Matt Hill had pulled off successful invitations to the Past Presidents. Although the event was canceled, we do hope to reschedule at a future date. Either that or we are one year ahead on planning for the 2021 Spring Technical Session.

Unfortunately, many more upcoming events have been canceled or their status unknown. The Joint Midwestern and Great Lakes District Annual Meeting planned for Chicago is cancelled and the Joint ITE International and Southern District Annual Meeting and Exhibit to be held in hot New Orleans August 9-12 is up in the air.

Locally, the golf committee has been staying on top of our upcoming golf outing. While typically held the Thursday after Memorial Day (May 28th) at Mystic Creek, they have a back-up of September 3rd in place

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Letter from the President ... *continued from page 1*

of the Fall Outing. Whenever it is, we are confident our membership will be there to support the student scholarships and enjoy each other's company. We will keep everyone updated on the status of upcoming events as they arise.

In addition, ITE International has prepared a website with resources related to COVID-19. We encourage you to check it out:

www.ite.org/about-ite/covid-19-resources.

This website is updated regularly with new, helpful information.

While you are trying to navigate through the new temporary normal of social distancing, remote working and distant learning, know that ITE will

still be here. We will still be the community of transportation professionals that have become so important to so many of you. ITE will still be here to provide the knowledge, practices, skills and connections for you to be successful professionals and serve the needs of your communities. Until we meet in person again, Stay Home and Stay Safe!

- Lia Michaels

Lia Michaels can be reached at (248) 454-6812 or lmiichaels@hrc-engr.com

Meet your Director! John R. Engle, P.E.



John R. Engle, P.E. is a Traffic Operations Engineer for the Michigan Department of Transportation's (MDOT) Congestion and Reliability Unit. In this role, John helps oversee the department's Freeway and Non-Freeway Operations Template, as well as assist MDOT's seven region

offices on the review and development of operational projects statewide. With over 12 years of experience at MDOT, John has also worked in the department's former Traffic and Safety Section, Traffic Signals Unit, and at the Lansing Transportation Service Center. He has served as project manager on many operational analysis and research projects for MDOT. John currently serves on the Transportation Research Board (TRB) Highway Capacity and Quality of Service Committee, which is responsible for publishing the Highway Capacity Manual. He is appreciative of the opportunity to join the Michigan ITE board during the transition into the new Great Lakes District.

John has been involved with ITE since graduating from Michigan State University in 2005 with both a Bachelor of Science in Civil and Environmental Engineering, and Bachelor of Science in Urban and Regional Planning. Prior to completing his Master of Science in Civil Engineering from Michigan State University in 2007, he was one of the recipients of ITE Michigan's Student Paper awards. He is currently a licensed Professional Engineer in Michigan. Outside of engineering, John spends his free time exploring the outdoors, volunteering at his church, and operating the instant replay system for MSU football and basketball games. He currently lives in Holt with his wife of ten years, and two daughters.

John can be reached at (517) 256 - 7860 or EngleJ1@michigan.gov

2020 Joint Midwestern & Great Lakes Districts Annual Meeting



CANCELLED

June 3-5, 2020 - Chicago, IL

[Click here for more info.](#)

New Members of ITE Michigan Section

Jill Bosserd
Wade Trim

Eric Lentz
Wayne County

Samuel Jablonowski
Abonmarche Consultants

Alexander F. Atkinson

Mark McCulloch
Washtenaw County Road Commission

Syed Amirehsan A. Mahmoudi
Integral Blue

Sarah A. Hoffman
AECOM

Student Members

Anahita Zahertar
Wayne State University

Bedan Khanal
Wayne State University

Babak Safaei
Michigan State University

Anshu Bamney
Michigan State University

Jared Earl Stanford
Michigan Tech University

Zoe Wahr
Michigan Technological University

Nischal Gupta
Michigan State University

Nusayba Binti Megat Johari
Michigan State University

Myles Wayne Overall
Michigan State University

Welcome to the Michigan Section of ITE!!

Do you want to become a member of the Michigan Section of ITE? If so, please contact the Section Secretary Mark Saksewski at (248) 871-2554 or MSaksewski@fhgov.com.

ITE Michigan Section 2019 Fall Meeting Report By: Steve Stramsak, RS Engineering

About 50 traffic engineers and other interested personnel from Michigan attended the 2019 ITE Michigan Section Technical Session this year on October 17, 2019. The conference was held at the Kalamazoo Valley Community College in Texas Township, Michigan and was hosted by the MDOT Kalamazoo TSC Cost & Scheduling Engineer, Michelle O'Neill.

The session kicked off with a presentation from Mohammad Al-Akash and Ken Yang of AECOM on the arterial mobility performance monitoring being done within the Macomb County Department of Roads. The corridor ranking follows the Purdue University methodologies to analyze travel time reliability and costs along several county arterial routes.

Trevor Kirsch from WSP also presented on his research into wrong-way driving in Iowa. Although most wrong-way driving efforts in Michigan have been focused on freeway ramps, Trevor focused on at-grade expressways to try and address ongoing fatal crash issues along US-30 near Ames, Iowa. Several improvements were tried with varying degrees of success.

Janine Cooper with MDOT Southwest Region discussed several of the STEM outreach programs MDOT is currently involved in, including the Engineering Development Program (EDP) for new college graduates, the MDOT co-op program for college students, the TRAC program for high school students, and the Youth Development and Mentoring Program (YDMP) to reach out to students in high school.

With the technical session being located near Kalamazoo, several Western Michigan University graduate students presented on their research projects. Raed Hasan presented on his research integrating impacts on personal health with choice of using a particular transportation mode. This was in conjunction with national research into the ITHIM. Mehedi Hasan presented on his research into

walkability analyses, which uses roadway attributes like number of lanes and lane widths from GIS to determine an individual street's walkability score.

Lunch time saw the ITE Michigan Section Awards get presented to Adam McArthur of WSP (Young Member of the Year), Gateway Treatment (Transportation Achievement), and Kevin McCarthy (President's Award). Congratulations to all the award recipients!

After lunch, Chris Brookes from MDOT presented on several of the work zone innovations being rolled out. These include driveway assistance devices for use in traffic regulator controlled areas, stopped traffic advisory systems, and portable temporary transverse rumble strips. Chris also provided information on the various work zone safety task forces MDOT, consultants, and contractors are all working on to increase everyone's safety in work zones.

Ron Brenke from ACEC wrapped up the seminar with discussion on the current funding situation for roadways within the state of Michigan. Ron also discussed several outstanding bills in the Legislature to address various issues (or perceived issues) with road funding and road construction.

In short, it was another informative, fun filled, and successful ITE Michigan Section Technical Session.

Joke of the Day





MICHIGAN SECTION OF THE INSTITUTE OF TRANSPORTATION ENGINEERS

2020 Schedule of Activities

<u>Date</u>	<u>Location</u>	<u>Type</u>	<u>Host</u>
January 30, 2020	MDOT Brighton TSC	Board Meeting	Carissa McQuiston 517-335-2834
February 6, 2020	Grand Rapids, Lansing and Detroit	Competitive Trivia Night	Matt Hunter 517-318-7566
March 26, 2020	MDOT Aeronautics Bldg., Lansing MI	Past President Breakfast	Matt Hill 313-310-8239
March 26, 2020	MDOT Aeronautics Bldg., Lansing MI	*ITE Technical Session	Carissa McQuiston 517-335-2834
April 1, 2020	N/A	ITE Awards Due Date	Hailey Savola 616-430-8658
June 3-5, 2020	Chicago, IL	Joint Midwestern & Great Lakes Districts Annual Meeting	Midwestern & Great Lakes Districts
May 28, 2020	Mystic Creek GC, Milford	Education Fund Golf Outing ¹	Aimée Giacherio 616-363-8181
June 30, 2020	Lansing, MI	Board Meeting	Carissa McQuiston 517-335-2834
August 9-12, 2020	New Orleans, LA	Joint ITE International & Southern District Annual Meeting & Exhibit	ITE International
September 3, 2020	Ledge Meadows GC, Grand Ledge	Fall Golf Outing	Tim Haagsma 616-242-6923 Aimée Giacherio 616-363-8181
October TBD, 2020	Grand Rapids, MI, TBD	*Technical Session	Chris Zull 616-988-4867
December 2, 2020	Farmington Hills, MI	Board Meeting	Mark Saksewski 248-871-2554
December 3, 2020	Costick Center Farmington Hills, MI	Annual Meeting and Technical Session	Mark Saksewski 248-871-2554

* Session Includes Board Meeting

www.itemichigan.org

¹ Although it's possible we can still have the golf outing on May 28th, we have asked Mystic Creek Golf Course to reserve September 3, 2020 as a fallback date. This is the date that the fall golf outing would normally be held. We ask that you put that date on your calendar and ask that those members and vendors that contribute to the success of this outing to budget early, since we will have an outing this year. We look forward to bringing our community back together again.

2020 Michigan Section Executive Board



Pictured (left to right):
John Engle, Director; Joyce Yassin, Secretary; Mark Saksewski, Treasurer; Matt Hunter, Vice President;
Lia Michaels, President; Carissa McQuiston, Immediate Past President

ITE Winter Technical Session Summary Winter 2019

The ITE Winter Technical Session was held on December 12, 2019 with about 70 transportation professionals in attendance. Mark Saksewski hosted the event at the Costick Center in Farmington Hills.

The event kicked off with a safety minute by Carissa McQuiston and then lead into a Safe Routes to School presentation by Colleen Synk and Adam Jenks of the Michigan Fitness Foundation. They walked through what funding is available, who qualifies, how the timeline works for receiving funds, and also how to build a solid application to get approved. If you think a project might qualify or you are assisting a client looking to improve facilities near a school, contact Colleen or Adam to get started: <https://saferoutesmichigan.org/contact/>

Chad Livengood is a frequent writer on transportation topics at Crain's Detroit. He came and shared how Van Buren county illustrated either PACER data to show the rapid rate of decline to better tell a story with data. Chad also showed an interactive map to illustrate the funding per lane mile across Michigan, and explained how this was a powerful tool when discussing road funding with members of the state government. He also fielded questions about the current political challenges facing Michigan in terms of road funding and transit. Check out more of Chad Livengood's articles at Crain's Detroit:

<https://www.crainsdetroit.com/search?query=chad%20livengood>

Dharmesh Valsadia from Innovating Contracting at MDOT walked through the different types of project delivery systems, and the pros and cons of each method. He ended his presentation walking through design-bid-build method with Alternative Technical Concepts (ATC). ATC are suggested changes submitted by proposing teams to the contracting agency's supplied basic configurations, project scope, design or construction criteria. These proposed changes provide a solution that is equal or better to the

requirements in the Request for Proposal document. The winning team can put in a price proposal for their concept, not for the original design, allowing for innovation and a price advantage. The aspect of the design typically with an ATC is the maintenance of traffic plans.

In the afternoon, a panel discussing a myriad of topics was moderated by Lindsey Renner of MDOT. She was joined by Kitty Rothwell, Craig Innis, Zack Bratschi, Chris Brookes, Ryan Doyle, and Jason Firman. Topics ranged from safety-performance based design, LAP funding for hotspot identification and mitigation, and the new required rumble stripes and speed radar trailer.

Tony Geara from the City of Detroit talked through all the exciting things that are happening at the City of Detroit, including smarter signals. The vision of what a "smart city" looks like is still developing and other cities define it differently. Detroit is looking for ways to use the technology to improve safety, downtime, and efficiency.

The event came to a close as Ken Holbert of WSP described the I-75 Phase 3 project from the construction logistics side. The project requires building an underground tunnel from 8 Mile to 12 Mile to improve the drainage. There are four milestones in the project-- one is receiving the tunneling machine from Germany. Challenges include noise abatement for the local communities due to the number of trucks hauling away dirt around the clock, requiring coordination and dialogue with the locals.

Thank you so much to all of our speakers for another interesting session.

Ellen Nightingale can be reached at (313) 230-1015 or enightingale@hntb.com.



INSTITUTE OF TRANSPORTATION ENGINEERS

MICHIGAN SECTION



Spring Technical Session – March 26, 2020 Lansing, Michigan

CANCELLED

Location:

MDOT Aeronautics
2700 Port Lansing Rd,
Lansing, MI 48906

Meeting Schedule

Check-In/Registration		
8:00 am	Registration, Coffee & Networking	
Morning Session (CEH)*		
Time	Topic	Presenter(s)
9:00 AM	Crashes are not Accidents, Why the need for a change in the safety culture	Mark Bott, MDOT
9:30 PM	Welcome to the new SHSP	Carissa McQuiston, MDOT
10:00 AM	Break	
10:15 AM	Safety at the MPO level	Tom Bruff, SEMCOG
10:45 AM	Crash Analysis; What can you do to make a difference on that roadway?	Jeff Bagdade, Atkins
11:30 AM	Lunch	
Afternoon Session (CEH)*		
Time	Topic	Presenter(s)
12:30 PM	Safety from a County Road Commission's Point of View	Joe Bartus, Macomb County Department of Roads
1:00 PM	The Customer's Viewpoint on Safety	Matt Penniman, League of Michigan Bicyclists
1:30 PM	Break	
1:45 PM	What is MDOT doing for Safety	Zack Bratschi, MDOT
2:15 PM	What's new in Safety Research at Michigan State University	Dr. Timothy Gates, Michigan State University
3:00 PM	Closing Remarks	

ONE ITE Update February 2020

By: John Davis, Great Lakes District Transition Team Chair

Transition Team Members: Kristi Sebastian, Carissa McQuiston, Tom Campbell, Dave Samuelson

Greetings everyone! Here is an update on the One ITE Initiative in the Midwestern and Great Lakes Districts. Transition teams have continued working to address various topics regarding the realignments of the present Midwestern and Great Lakes Districts and creation of the Missouri Valley (MOVITE) District.

The ITE International Board of Direction has approved the new charters and the bylaws for both districts - "new" Great Lakes and MOVITE. Just in case you missed it, the "new" Great Lakes District will be comprised of members in the **Illinois, Indiana, Michigan, North Central, Ohio and Wisconsin ITE sections**. The "new" MOVITE District will be comprised members in the states of **Arkansas, Iowa, Kansas, Missouri, Nebraska and Oklahoma** as well as Illinois counties near St. Louis and the Quad Cities areas.

The realignment is part of the One ITE initiatives, which have the objectives to:

- **Deliver a consistent member experience** – Every ITE member should have a reasonably consistent experience in terms of access to resources, connection to other members, leadership opportunities, fees paid, representation at the District and International level, etc.
- **Provide effective member support** – Reducing inconsistency, eliminating bureaucracy, and streamlining operations will enhance the quality of member services and value for membership.
- **Ensure the long-term viability of ITE** – ITE must differentiate itself from its competitors and be the association of choice. Having a clear and consistent "brand" is essential.

Next Steps over the Coming Months for the "new" Great Lakes District

The transition team of the "new" district is continuing their work to develop procedures for district operations that will start January 1, 2021. The objective of the team is to have the procedures approved and other matters settled by June 2020 in anticipation of the start of operations at the end of the year.

Model language for section and chapter charters and bylaws has been released for consideration and adoption by each ITE section and chapter. These documents complement the revisions in the district charter and bylaws. The District Board will be reviewing and approving these charters and bylaws by fall of this year.

The process for officer elections has begun in the "new" Great Lakes District. To establish the first board for the "new" Great Lakes District, individuals from the **Ohio and Indiana** will be elected to serve on the Great Lakes Board of Direction as secretary and board member, respectively. These elections will be held this coming May. All present officers will be automatically nominated for the next higher office.

Also, in 2020, each section will select an individual to serve on the District Board as their section's representative to the District Board. To transition to the new Great Lakes District Board, members of the **Indiana, Illinois and Ohio** sections will elect their section representatives to the district board in 2020. These newly elected leaders will take office starting January 1, 2021. The members of the **Michigan, Wisconsin and North Central** sections will be represented in 2021 by their respective representatives who are serving in 2020 on either the Midwestern or Great Lakes District Boards. They will then elect section representatives in 2021. These representatives from **Michigan, Wisconsin and North Central** will take office starting January 1, 2022. All section representatives to the District Board will serve two years in their positions and will also serve on their respective section's board.

Logo for the NEW Great Lakes District – Get your design ideas submitted for a "new" Great Lakes District logo to represent the new regional district.

If you have any questions, please reach out to Carissa McQuiston (MI Section Past President).

ITE Trivia Night By: Cole G. Villalobos, Hubbell, Roth & Clark, Inc.

This year's annual ITE Trivia Night took place on February 6th at three locations across the state: Royal Oak – Bar Louie; East Lansing – Hopcat; and Grand Rapids – Perrin Brewing Company.

Like previous years, the event was live. All three locations throughout the state were competing against each other. Teams at all locations were given the same questions at the same time, and the updated statewide scoreboard was shown after each round.

This year we had our first tie for first place. With both teams “Not Last” (Lansing) and “Ladies and Steve” (Detroit) had an outstanding 130 points after the wagering it all out the final question.

Final Question:

The “Clasp Locker”, which debuted at the 1893 World Fair, was a predecessor to what modern-day wearable fastening device? (Zipper)

Two questions were quickly developed by the Grand Rapids location to break the tie. Both teams got the answers correct. To break the tie each team guessed a number 1 to 100. “Not Last” was closest and won the ITE trivia title.

Tie Question 1: What are the 4 United State capitols that end in the word “City”?

(Oklahoma City, Salt Lake City, Jefferson City, Carson City)

Tie Question 2: What was the top of the empire state building originally designed for?

(mooring for airships)

Overall, the event was a huge success. A big thanks goes to the organizers and hosts of this event: Paul Arends (AECOM), Matt Hill (WSP), Matt Hunter (HNTB), Carissa McQuiston (MDOT), Lia Michaels (HRC) and Mark Saksewski (City of Farmington Hills). Special thanks to the sponsors AECOM, HRC, and HNTB for securing the rooms and providing the appetizers.



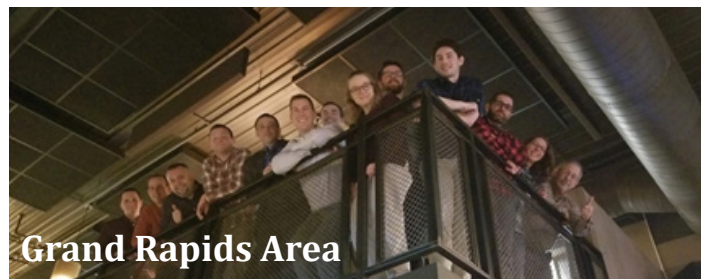
Lansing Winners - Not Last



Detroit Winners - Ladies and Steve



Detroit Area



Grand Rapids Area



Lansing Area

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