

Michiganite



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

Letter from the President By: Joyce Yassin - WSP



MI ITE Section,

Wow, we’re more than halfway through the year and we have so many accomplishments to celebrate. To recap all of the excitement had so far this year, the Annual Trivia Night was held in February which took place simultaneously at three separate locations across the state, the March Technical Session was held in East Lansing with record student attendance, and the Annual ITE Educational Fund Golf Outing had its biggest turnout in more than a decade. Furthermore, the Great Lakes District Annual Meeting, hosted by the District’s President Carissa McQuiston, was held in Grand Rapids with great success!

In case you missed it, the Michigan Section was highlighted in the June 2023 ITE Journal. Our section is a leading example for “cultivating the transportation leaders of tomorrow.” With the help of the Young Professional Committee (YPC), chaired by Cole Villalobos, our young member involvement has grown exponentially over the past couple years. Noteworthy mentions include the reactivated student chapter at University of Michigan, RCOC Adopt-a-road cleanup, the Michigan Section Traffic Bowl, Gordie Howe International Bridge Tour, and the ongoing FE and PE Study groups. If you are a young member, looking to get involved, please reach out to Cole.

Mark your calendars for our next Technical Session scheduled for November 29th at The Hawk in Farmington Hills.

It has been an honor to work alongside so many of you who have volunteered to make every event an enjoyable one. To our members, thank you for your continued support of the ITE Michigan section. I look forward to seeing you at our upcoming events! Stay tuned for so much more.

- Joyce Yassin, PE, PTOE - Joyce.Yassin@wsp.com / (313) 963-4923

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UPCOMING DATES

NOVEMBER 2023

Student Scholarship Applications Due
itemichigan@gmail.com

NOVEMBER 29, 2023

Annual Meeting and Technical Session
Hawk Center Farmington Hills, MI
Mark Saksewski

DECEMBER 2023

Board Meeting
Farmington Hills, MI
Mark Saksewski

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(815) 482-3022, jeffrey.young@hdrinc.com

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Michigan Department of Transportation
NightingaleE3@michigan.gov

Newsletter Editor:

Matthew Kolis
GHD
(248) 479-0226, matthew.kolis@ghd.com

Website:

Cole Villalobos
Hubbell, Roth & Clark
cvillalobos@hrcengr.com

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(616) 242-6901, thaagsma@KentCountyRoads.net

ITE Tour of SEMTOC - March 7, 2023

By: Mohammad Al-Akash, PE, PTOE - TSM&O Engineer, Southeast Michigan Transportation Operation Center (SEMTOC), AECOM

The Southeast Michigan Transportation Operation Center (SEMTOC) hosted a tour through the facility located in Detroit. The participants included professionals from the Institute of Transportation Engineers (ITE) and the American Society of Civil Engineers (ASCE). The tour started with a joint presentation presented by Sarah Gill, SEMTOC Operations Engineer, Nathan Ross, TOC Specialist, and Mohammad Al-Akash, TSM&O Engineer. They highlighted Transportation Systems Management & Operations (TSM&O) at SEMTOC and various functions of SEMTOC that are performed on a daily basis. The participants toured SEMTOC after completing the presentation. They visited the historical alcove at SEMTOC focusing on the history of ITS in Michigan and our focus areas of incident management, special event management, ITS infrastructure, and Safety Service Patrol. Then they toured the operations floor and spoke to the specialists on the floor to gain some knowledge on what they do for traffic management during planned and unplanned events. The participants met for a networking event after the tour completed. Overall, the networking opportunity, information that was shared, and the experience of the tour amazed all that participated.



Spring Technical Session – March 16, 2023
By: Matthew Kolis, PE, PTOE
Sr. Transportation Engineer, GHD

Thank you to our speakers and attendees for another successful technical session! The program was held at the Graduate East Lansing Hotel on March 16th, 2023, and focused on the Second Avenue Bridge project, the City of Lansing's experience with one-way to two-way street conversions, and ITE's new guidance for multi-modal transportation impact assessments, as well as many other great topics! A big thank you to MDOT's John Engle for providing opening remarks and ITE MSU President, Myles Overall, for hosting the event.

John Belcher, MDOT, Matt Longfield, HDR, and Eric Polvi, HNTB, presented the opening session about the Second Avenue Bridge Detroit, which is part of MDOT's I-94 Modernization Project that is reconstructing the I-94 freeway in Detroit from east of the I-96/I-94 interchange to east of Conner Avenue. The bridge accommodates the new freeway design by not containing a center pier and eliminates the need to increase the grade on Second Avenue. MDOT and HNTB designed the initial concept for the Second Avenue bridge, which is considered an engineering marvel and has the distinction of being Michigan's first network tied-arch bridge. The bridge is also the first skewed and unbraced network arch bridge to be constructed in the United States!

Once completed, the Second Avenue bridge will provide enhanced mobility for multi-modal traffic by providing two-way vehicular travel lanes, 9-foot wide pedestrian sidewalks, and 8-foot wide bicycle lanes. The bridge will also contain sustainable approach landscaping and LED architectural lighting. Construction crews are using accelerated bridge construction methods by building the bridge substructure on-site while the skeleton superstructure (designed by TetraTech) is being built off-site at the Wayne State University Palmer parking lot. The 1,100-ton skeleton superstructure will then be placed into its final position by the world's leading heavy-lift contractor, Mammoet, using self-propelled mobile transports. The bridge is expected to reopen to traffic this fall!

Next, Andy Kilpatrick, City of Lansing, discussed the City's experience with one-way to two-way street conversions, including the history of the original conversion from two-way to one-way streets in the 1950s, the impact of the I-496 construction in the 1960s, as well as the recent street conversions in 1999, 2022 and 2023. Impacts to traffic, parking loading, non-motorized, transit and other impacts of the 1999 street conversion were covered.

Andy's presentation was followed by a student poster session by Michigan State University students. Thank you to the MSU students for your involvement in ITE. You all gave wonderful presentations and it is evident that the future of engineering is in good hands!

Additionally, ITE Michigan's new Director, Julie Kroll, Fleis and Vandenbrink, discussed ITE's latest Recommended Practice entitled, *Multimodal Transportation Impact Analysis for Site Development (MTIA)*, which was released in January 2023 and supersedes the previous Recommended Practice entitled, *Transportation Impact Analyses for Site Development*, published in September 2010. The new practice encourages consistency in planning for site access, on-site circulation and parking layouts, as well as off-site improvements for new and expanding developments.

Networking was done on several programmed breaks and during lunch with 4 pdh's provided for those that attended the full session.

ITE 31st Annual Educational Fund Golf Outing - June 1, 2023
By: Aimee Giacherio, PE,
Senior Project Manager / Vice President, Wade Trim

The 31st Annual ITE Educational Fund Golf Outing was held at Mystic Creek Golf Club in Milford, Michigan on Thursday, June 1st under gorgeous sunny skies and hot temperatures. We had a spectacular outing and the Michigan Section ITE Golf Committee would like to extend our thanks to all the firms that generously supported this year's benefit golf tournament. This year's golf outing was a HUGE success with a total of 151 golfers and 44 sponsors! This was the most golfers we have had since 2009. All of our sponsors are listed below by the level of sponsorship. Additional thanks are extended to all of the outing participants. Each year participants dig deep into their pockets to participate in the on-course challenge holes, raffle, and flagging tape sale which greatly contributes to the total profit.

Profits from this year's event totaled \$15,760, which is the highest profit in the history of the golf outing! All the proceeds are deposited into the Michigan Section ITE Educational Fund. This fund is used to provide a reduced student attendance fee at Michigan Section meetings, to provide monetary awards for the annual student research paper competition, to help defray students' costs for attending national ITE and Transportation Research Board meetings, and to provide scholarships to worthy transportation engineering students at Michigan State University, Michigan Technological University, Western Michigan University, and Wayne State University. Last year we awarded \$12,000 in scholarship grants.

Thanks to all who made this event such a huge success!!

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 team of Pete LaMourie, Chris Zull,
 Nick LaCroix, and Tim Haagsma
 who captured first place at the event!***

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Other Contributors:

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 Tim Haagsma

MichiganITE Scholarship Winners

By: Tim Haagsma, PE
Director of Traffic and Safety - Kent County Road Commission

Sia Mwende – Western Michigan University

(pictured top right)

Sia Mwende is currently a master's student in the Department of Civil and Construction Engineering at Western Michigan University. She received her Bachelor of Science in Civil Engineering from Ardhi University in Dar es Salaam, Tanzania. Her research interests include non-motorized safety, intelligent transportation systems, and traffic simulation.



Samuel Hall – Western Michigan University

(pictured middle right)

Hello, my name is Sam Hall. I grew up in Richland, Michigan, and now attend Western Michigan University. I was drawn to become a civil engineer with a focus on transportation engineering by the chance to put my statistical skills to the test and help people on a very large scale. I always like to learn something new, so I try to collect as much information as I can, especially since you don't always know when it might be useful. Outside of my education, I've been in multiple positions on the e-board of the ASCE student chapter at my university and assisted the concrete canoe team with mix design and drafting reports.



Stiven Reçi – Western Michigan University

(pictured bottom right)

My name is Stiven Reçi. I am currently a senior student studying Civil Engineering at Western Michigan University. In my future prospects, I intend to graduate as an exceptional student, continue my education in graduate school as well as build up a career concentrating in transportation. Throughout my journey, I have been part of multiple highway construction projects in West Michigan taking up inspection roles while continuing my pursuit of a degree in Civil Engineering. In my free time, you will find me playing soccer with my friends, as well as traveling and visiting National Parks.



FE/PE Study Group

By: Madison Carlson, EIT - Fishbeck & Lauren Hull, EIT - Traffic Engineer -OHM

The first FE/PE Study Session was held on Tuesday February 7th at 6pm with several students in attendance from universities all over the state of Michigan via Google Hangout. The meeting kicked off with exam basics which included the differences between the FE and PE exams, topics on each exam, exam duration, etc. Madison and Lauren shared their studying tips and tricks that helped them pass the FE exam as well as what they continue to use to study for the PE exam. The session ended with practice problems. The questions were formatted and presented as they will be on the exams. Everyone was given three minutes to work through each problem on their own, which is the same amount of time per problem on the exam. After those three minutes, the group discussed their answers, and then the solution was presented. Overall, a lot of great feedback was received. Madison and Lauren are planning to continue with a short presentation on each of the exam topics and end each session with review questions on the topic presented. We look forward to seeing you in future study groups!

Young Leaders to Follow

ITE Great Lakes District Rising Star

Cole G. Villalobos, P.E., PTOE, RSP2I (M) - Staff Engineer, Hubbell, Roth, & Clark, Inc.



Cole Villalobos is an active and passionate leader and contributor to ITE at the Section, District, and International levels. As the Student and Younger Member Activities Co-Chair for the Great Lakes District, he plays a key role in organizing activities and events for students and young professionals. In the Michigan Section, Cole has demonstrated leadership by establishing the Young Professional Committee (YPC), which aims to promote the advancement of transportation planning and engineering by providing a platform for students and young professionals to interact with experienced professionals. In addition to Co-Chairing the Student and Younger Member Activities, he also serves on the Annual Meeting Local Arrangements Committee as the Communication Subcommittee Chair. He has volunteered for various roles in the annual meetings, including being on the registration and production teams for the ITE Traffic Bowl Committee Grand Championship. Cole is also involved in ITE International activities, having served as a peer reviewer for the ITE Journal, being part of the Student Engagement at Meetings Committee, and is a member of the LeadershipITE class of 2023. Cole's dedication to volunteering and supporting the community demonstrates his commitment to making a positive impact in the transportation industry and beyond. As a Staff Engineer for Hubbell,

Roth & Clark, Inc., he is experienced in designing roadway and traffic projects for municipalities, counties, and the Michigan Department of Transportation. He is proficient in several software programs, including Synchro/SimTraffic, Highway Capacity Software, Civil 3D, Rodel, and more, which he uses to analyze and design corridors, intersections, and intelligent traffic systems throughout Michigan.

Meet Your Director! Julie M. Kroll, PE, PTOE Traffic Engineering Group Manager, Associate, Fleis & VandenBrink

Julie has worked in the traffic and transportation engineering field for over 20 years. She has a passion for traffic operations and safety and works each day to share her knowledge with others and provide equitable solutions to complex engineering problems. Her goal is to continue this mission through coaching and mentoring staff and providing services to clients, government agencies, and the public at large.



Julie has been with Fleis and VandenBrink for the past 8 years and is an Associate of the firm and currently the Traffic Engineering Group Manager. She has a Bachelor of Science in Civil/Transportation Engineering from Michigan Technological University. She holds her Professional Engineering (PE) license in Michigan, Indiana, Ohio, South Carolina, Texas, and Tennessee as well as her Professional Traffic Operations Engineer (PTOE) certification.

Julie has been an active member of ITE International since 2005 and joined the ITE Michigan Section and the Technical Session Committee in 2013. Julie took on leadership of the Technical Session Committee from 2014-2018 and continues as a member of the committee in 2023. She is grateful for the opportunity to join the ITE Michigan Board and looks forward to collaborating with the transportation community in this capacity.

When she's not at work, Julie loves to travel with her husband and two teenage boys. Both boys are active on Team 302 Robotics and the family loves any opportunity to explore new places. She currently resides in Lake Orion, Michigan.

Member Spotlight

MichiganITE is accepting nominees to be featured in the next edition of the newsletter. Please send all nominees to matthew.kolis@ghd.com.

Joke of the Day



New Members of ITE Michigan Section

The Michigan Section is happy to welcome the following new members who have joined since June 2022.

PLANNER MEMBERS:

Ann Marie Kerby, AICP
Drew Parker
Gretchen A. Johnson
Sarah M. Plumer, PTP

GOVERNMENT MEMBERS:

Robert Caldwell
Sami H. Khaldi, MS, CE, PE
Kaylie Bates
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Susan A. Charnesky, PE
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Andrew David Bates
Darren Campbell
Ali Aljawad
Bashar Hanna

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Nicholas D. Elliott, PE
John Preston
Soly Fakhoury
Asa De Vries
Mary Ollis
Ronald Pretty, Jr.
Sarah M. Plumer, PTP
Sam Bell, PE, PTOE
Cole Clell Moody, PE, PTOE
Kiran Ali
Zachary Terpstra
Patrick Schwyn
Eric Arnsman
Frank Perry

STUDENT MEMBERS:

Jeanine Spencer - Central Michigan University
Magdalena Cavka - Michigan State University
Gagan Gupta - Michigan State University
Miss Aditi Pawar - Michigan State University
Johnathan D. Racine - Michigan State University
Rupita Tahsin - Michigan State University
Yingtong Tan - Michigan Technological University
Clare Baker - Michigan Technological University
Alli Hummel - Michigan Technological University
Dongzhao Jin - Michigan Technological University
Katie McInnis - Michigan Technological University
Lily Craighead - University of Michigan
Youwen Duan - University of Michigan
Chenwei Huang - University of Michigan
Iason Liagkas - University of Michigan
Jisoon Lim - University of Michigan
Zhichen Liu - University of Michigan
Mingxu Xie - University of Michigan
Brian Delgado - University of Michigan
Zachary Bair - Wayne State University
Eronmonsele Esekhaigbe - Wayne State University
Noah Richendollar - Wayne State University
Emma Ritchie - Wayne State University
Kennedy Taylor - Wayne State University
Alina Mariel Hernandez - Western Michigan University
Hannah Sophia Prince - Western Michigan University
Sam Bryce Hall - Western Michigan University
Peter Lim - Western Michigan University
Sia Isaria Mwendu - Western Michigan University
Norrان Kakama Novat - Western Michigan University
Stiven Reci - Western Michigan University
Montserrat Tejeda - Western Michigan University
Oliver Winter - Western Michigan University
Colin Pearson - Michigan State University

Welcome to the Michigan Section of ITE!

Do you want to become a member? If so, please go to www.ite.org to join!

Treasurer's Report
By: Steve Stramsak, PE, PTOE, RS Engineering

Treasurer's Report: August 7, 2023

Section Fund Balance (As Of 07/31/2023) \$22,117.66

Section Fund Balance as of July 31, 2023 \$ 22,117.16

ACTIVITIES for January 1 through July 31, 2023

Income - Section Regular Fund \$ 42,087.00

Membership Dues - Paid by Int'l ITE	\$ 3,761.00
Sponsors	\$ 4,800.00
Meeting/Tech Session Registrations	\$ 3,530.00
ITE Great Lakes District Mtg - Registrations & Misc	\$ -
Member Contributions and Donations (not Dues)	\$ 156.00
GOLF OUTING: Golfer & Sponsor Fees	\$ 27,050.00
GOLF OUTING: Flagging Tape, 50/50, Seed Money, et	\$ 2,790.00
OTHER (reimbursement, e.g.)	\$ -
Regular Fund Revenue Subtotal	\$ 42,087.00

Expenses - Section Regular Fund \$ 30,700.83

Postage and 'Office' Supplies	\$ -
Website Fees	\$ 260.07
Meeting Expenses - Site Rental / Catering / Misc.	\$ 6,386.00
BOD Meeting Expenses	\$ 247.01
Past President Breakfast	\$ -
ITE Great Lakes District Meeting - Hosting Expenses	\$ -
Int'l Mtg. Travel Expenses (Mich Section President)	\$ 1,532.80
G.L.D. Mtg. Travel Expenses (Mich Section President)	\$ 722.84
Travel Expenses for G.L.D Section Rep from Mich	\$ -
Travel Expenses for G.L.D Board Member from Mich	\$ -
ITE Leadership - Scholarship for Registration	\$ -
Plaques/Awards/Prizes	\$ 105.00
General Liability Insurance and Administration	\$ 1,577.00
GOLF OUTING: Seed Money	\$ 450.00
GOLF TOURNAMENT: Gifts/Prizes	\$ 750.00
GOLF TOURNAMENT: Course Fee (Golf/Cart/Lunch)	\$ 12,880.00
\$ Transferred to Int'l for Student Scholarships	\$ 329.57
Student Section Meeting Costs & TRB Expenses	\$ 2,000.00
Student Scholarships paid by Section	\$ 800.00
Young Professional Committee (e.g. Trivia)	\$ 1,737.37
OTHER (reimbursement, e.g.)	\$ 44.88
Public Agency Dues - for board members	\$ -
Bank Charges /PayPal Fees	\$ 603.29
Payments to LARA	\$ -
Payments to IRS	\$ 275.00

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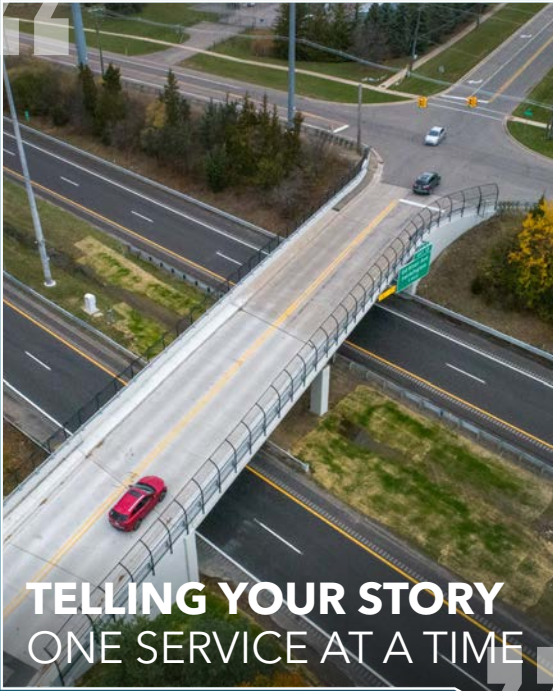
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