Joint ITE International and Midwestern/Great Lakes Districts Annual Meeting and Exhibit

August 20-23, 2018
Hilton Minneapolis
Minneapolis, MN, USA
www.ite.org/annualmeeting
The Leader in One-Stop-Shop Traffic Management Solutions

145,000+ sensors Deployed Products
100,000+ traffic controllers
270+ central systems

Booth #M26 | Econolite.com

From policy, system-planning, and design to system and sensor products, integration, implementation, operation, maintenance and support, as well as consulting services for connected and automated vehicles (CAVs).

- Cloud-based Vehicle-to-Infrastructure (V2I) service
- SAE J2735
- Nationwide deployment
- No cost to agency
- Cellular connected vehicle applications
- Audi connect® Traffic Light Information provider

VISIT US AT
Booth S3
SYMPHONY BALLROOM
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From policy, system-planning, and design to system and sensor products, integration, implementation, operation, maintenance and support, as well as consulting services for connected and automated vehicles (CAVs).

Deployed Products

| 145,000+ sensors | 100,000+ traffic controllers | 270+ central systems |

Booth #M26 | Econolite.com
Content

06 Welcome to Minneapolis
07 Sponsors and Acknowledgments
09 Program Notes
   - Annual Meeting Mobile App
   - Accessing the Internet
   - Ticket Refund Policy
   - Payment Information
   - Cell Phones
   - Attire
   - Videotaping and Audio Recording
   - Consent to Use Photographic Images
   - Session Recordings
   - Event Tickets
   - Badges
   - Earning PDHs
   - Parking
   -Disclaimer
   - Statement on Inclusion and Equality
   - Family Welcome Center
   - Child Care
12 Agenda
16 Plenary Sessions
18 Pathways Legend
22 Technical Sessions
36 Poster Sessions
40 Workshops
42 Technical Tours
44 Meeting Highlights, Family and Student Activities
45 Committee and Council Meetings
46 List of Exhibitor
47 Exhibitor Descriptions
54 Exhibit Hall Floor Plan
55 Hotel Floor Plan
56 Minneapolis SkyWay Map

Hours

Registration Hours
ITE’s Registration Desk is located in the Minneapolis Foyer, on the third (3rd) floor of the hotel.

Sunday, August 19  2:00 p.m. – 5:00 p.m.
Monday, August 20  7:30 a.m. – 5:30 p.m.
Tuesday, August 21  7:30 a.m. – 5:30 p.m.
Wednesday, August 22  7:30 a.m. – 5:30 p.m.
Thursday, August 23  7:30 a.m. – 10:30 a.m.

Exhibit Open and Activities Hours
The Exhibit Hall is located in the Marquette and Symphony Ballrooms on the second (2nd) floor.

Monday, August 20
7:30 a.m. – 4:00 p.m.
Exhibit Hall Set Up (Exhibitors Only)

Tuesday, August 21
7:30 a.m. – 2:00 p.m.
Exhibit Hall Open
7:30 a.m. – 8:30 a.m.
Continental Breakfast in Exhibit Hall
10:30 a.m. – 11:15 a.m.
Beverage and Networking Break in Exhibit Hall

Wednesday, August 22
7:30 a.m. – 3:30 p.m.
Exhibit Hall Open
7:30 a.m. – 8:30 a.m.
Continental Breakfast in Exhibit Hall
10:00 a.m. – 10:45 a.m.
Beverage and Networking Break in Exhibit Hall
12:15 p.m. – 1:15 p.m.
Lunch in Exhibit Hall
2:45 p.m. – 3:30 p.m.
Beverage and Networking Break in Exhibit Hall
Move Brilliantly.

Aimsun software helps thousands of international users model tomorrow’s smart mobility networks, today.

Join the movement at aimsun.com

Come visit us at stand M36!
Welcome to Minneapolis!


Welcome to Minneapolis, MN! We are glad you are here to attend the Joint ITE International and Midwestern/Great Lakes Districts Annual Meeting and Exhibit.

Over the next few days, you will join other transportation professionals from around the globe to be inspired, to make connections, and to gain knowledge. When you leave Minneapolis for home, you will leave having made new connections, revitalizing existing relationships, and possessing new information, tools, and skills which will have immediate and lasting impact on your career and professional development.

This conference has it all. From the expert commentary to thought-provoking presentations to get-out-and-experience technical tours to networking opportunities to the ability to see demonstrations of the latest products and services, there is not another conference that offers attendees the level of substantial educational value in combination with the ability to grow your connections within the transportation profession.

We invite you to take advantage of everything this conference has to offer. Interact with your peers during the Welcome to Minneapolis Reception at U.S. Bank Stadium, the annual Traffic Bowl Grand Championship, and Last Call at Brit’s Pub.

We also encourage you to challenge yourself by engaging in stimulating conversations and discussions about the challenges facing our industry. Sit in on a session on a topic outside your expertise or take a deeper examination of a topic through a workshop.

If you brought your family, please stop by the Family Welcome Center to learn more about opportunities to visit our beautiful host city. As a first-time attendee, don’t miss our First-Timer Orientation on Monday, August 20 at 3:30 p.m. There is more information in this program. Traveling solo? Keep an eye out for the #soloinminneapolis on Twitter to learn about opportunities to meet other attendees traveling on their own.

Again, welcome to Minneapolis! We look forward to celebrating the transportation profession with you.

Michael P. Sanderson, 
P.E., PTOE, LEED AP 
International ITE President

Jeffrey F. Paniati, 
P.E. (F) 
Executive Director and CEO 
ITE

John Crawford, 
P.E., PTOE 
Chair, Local Arrangements Committee
Sponsors

We would like to extend our greatest appreciation and gratitude to the following organizations for their support:

**DIAMOND**

3M

**RUBY**

Stantec

**EMERALD**

Bolton & Menk

JSF Technologies

KLJ Engineering

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**TOPAZ**

CB&I

MTJ Roundabout Engineering

Rodel Roundabout Design Software

Urban Systems

Updates to the agenda are published on the mobile app (see page 9) and via @ITEHQ (search #ITEMinn2018). Internet access - SSID: Hilton_Minneapolis, Password: Stantec
Acknowledgments

ITE would like to thank the following individuals for devoting their time and energy to help plan this conference.

**Local Arrangements Committee**
- Chair (North Central Section): John Crawford
- Vice Chair (North Central Section): Scott Poska
- Vice Chair & Publicity (North Central Section): Steve Manhart
- Technical Program/Tours (North Central Section): Bryant Ficek
- Social Program (North Central Section): Jake Folkeringa
- Finance/Administration (North Central Section): Mike Anderson
- Fundraising/Sponsorship (North Central Section): JoNette Kuhnau
- Transportation (North Central Section): Sue Zarling
- Hospitality (North Central Section): Mike Spack
- MWITE Representative: Mike Bittner
- MWITE Representative: Mike Martinez
- Great Lakes Representative: Hardik Shah
- Great Lakes Representative: Patrick O’Connor

**Family Program Subcommittee**
- Chair: Alison Catarella Michel
- Nabil Ghariani
- Jenny Grote
- Matthew Kruse
- Jim Mallett
- Scott Poska
- Mark Spencer
- Kirsten Tynch

**Social Media Volunteers**
- Wilfredo R. Cordero
- Mike Fairbanks
- Matt Kruse
- Beverly Kuhn
- Shawn Leight
- Jim Mallett
- Steve Manhart
- Scott Poska

**Abstract Reviewers**
- Mohamadreza Banihashemi
- Andrea Bill
- Jess Billmeyer
- John Borkowski
- Jeremy Chapman
- Richard Coakley
- Michael Cynecki
- Moira Dhalwal
- Bryant Ficek
- Cole Fitzpatrick
- Nathan George
- David Hale
- Keith Hall
- Daniel Hardy
- Herman Hill
- Jeffrey Hill
- Aaron Hottenstein
- Matt Hunter
- David Hurwitz
- Susan Joel
- Vishal Kakkad
- Andrew Kosinski
- Beverly Kuhn
- Derek Leuer
- Lawrence Marcus
- Marilo Martin-Gasulla
- Ryan Martinson
- Gordon Meth
- Kristian Milster
- Robert Murphy
- Sean Nix
- Brent Ogden
- Sonja Piper
- Alex Rixey
- Amir Rizavi
- Karyn Robles
- Philip Rust
- Donald Samdahl
- C. Brian Shamburger
- Jeffrey Smithline
- Bradley Strader
- Monica Suter
- Todd Szymbkowski
- Yang Tao
- Edward Terhaar
- Gary Thomas
- Steven Tupper
- Kenneth Voigt
- Brian Welch
- Dalene Whitlock
- Jane Wilberding
Program Notes

Annual Meeting Mobile App
ITE, in conjunction with ExpoPass, is again offering an event app to access essential event details along with notifications about any last-minute changes. VERY IMPORTANT! To successfully earn PDH/CM credit for sessions and/or tours that you have attended, attendees must 1) download this event app, see instructions below; 2) add the sessions you plan to attend / earn credit for to your agenda within the mobile app PRIOR to the end of that specific session; 3) enable notifications from the mobile app; and 4) complete the session and / or tour evaluation. More information can be found in the section on Earning PDHs and CM credits on page 10. If you have questions or difficulties accessing this mobile app, please see Zach Pleasant in the ITE Registration or Member Services area (located in the Minneapolis Foyer on the 3rd floor). If you do not add the session to your agenda before the session ends, you will not have access to the survey and you will not receive credit for attending.

To download the app:
• If you used this app last year, you should be able to log-in and view this year’s meeting. Otherwise, please follow these instructions.
  • Go to expopass.com/ios or expopass.com/android and search for Expo Pass
  • Use the email associated with your ITE account. Once created, you will receive an email with a 4-digit code to verify your account.

Accessing the Internet
To access the Internet while attending the Joint ITE International and Midwestern/Great Lakes Districts (MWITE/GLITE) Annual Meeting and Exhibit at the Hilton Minneapolis, find SSID Hilton_Meetings and enter the password Stantec. Internet access is provided courtesy of Stantec.

Ticket Refund Policy
Tickets for individual events are sold on a space-available basis and may be purchased at the ITE Registration Desk (located on the 3rd floor). No refunds are issued for unused tickets, whether purchased as part of the registration package or separately.

Payment Information
On-site registration and event fees may be paid by cash (US dollars only), check (for the exact amount), or credit card (American Express, Mastercard, or Visa). Make checks payable to the Institute of Transportation Engineers. ITE does not accept Discover.

Cell Phones
Please be courteous to fellow meeting attendees: set your cell phones to vibrate before entering sessions. If you need to make or take a call, please step out of a session.

Attire
Participants are encouraged to wear business casual attire during the meeting’s technical program events. Attendees are encouraged to come to the “Welcome to Minneapolis” Opening Reception in their favorite team’s jersey. Feel free to dress down for the ITE Traffic Bowl competition, the Mite Y Race, and Last Call at Brit’s Pub.

Videotaping and Audio Recording
Videotaping or audio recording of sessions or technical exhibits as well as the unauthorized use of ITE-copyrighted material is prohibited.

Consent to Use Photographic Images
Registration and attendance at, or participation in, ITE meetings or other activities constitutes an agreement by the registrants to ITE’s use and distribution of the registrant or attendee’s image or voice in photographs, videotapes, electronic reproduction, and audiotapes of such events and activities.

Session Recordings
All plenary and technical sessions are being recorded. Meeting participants are requested to use available microphones to ask questions during sessions to ensure the audio portion of the recordings is of the highest quality.

Event Tickets
Attendees with a green badge will be required to hand in a ticket for some events and all technical tours will require a ticket. Tickets are distributed with your badge. Spouse/guest tickets are distributed with the registered attendee’s badge. Please make sure to check for your tickets when you pick up your badge. If your tickets are missing or incorrect, please notify one of our registration staff.

Badges
Registration name badges must be worn while attending all technical sessions, social functions, and while in the exhibit hall.
**Earning PDHs (Professional Development Hours) and CMs (Certification Maintenance) Credits**

The technical content of this meeting meets most state and provincial registration board requirements for P.E./P.Eng. Licensure, Professional Traffic Operation Engineers® (PTOE), Professional Transportation Planners® (PTP), American Institute of Certified Planners (AICP), Traffic Signal Operation Specialists® (TSOS), and Florida Board of Professional Engineers (EXP0003871).

Sessions and/or tours eligible for PDH/CM credit toward PTOE, PTP, and/or AICP certification renewal have been identified in this program.

To successfully earn PDH/CM credit for sessions and/or tours that you have attended, you must complete an evaluation. This can be done through the event app. See page 9 for instructions to download the app. You must have notifications enabled via your settings and select the session from the agenda prior to the end of the session or tour. Prior to the end of the session or tour, you will receive a notification with a link to the evaluation. If you do not add the session to your agenda before the session ends, you will not have access to the survey and you will not receive credit for attending.

**Parking**

Valet parking services are available at the Hilton Minneapolis for $40/day. Self-parking is available for $20/day at Marten Ramp Parking on 10th Street (connected to the Hilton Minneapolis via the Skyway, see page 56 for a map).

**Disclaimer**

The following program includes individuals confirmed at the time of publication. Information is subject to change. The views and opinions expressed by meeting participants are those of the participants and do not reflect official ITE Policy unless so stated.

**Statement of Inclusion and Equality**

Individuals involved in developing, administering, and delivering learning events demonstrate high standards of professional conduct and do not discriminate against learners on the basis of gender, age, socioeconomic, or ethnic background, religion, sexual orientation, or disability.

**Family Welcome Center**

On Monday, August 20 from 12:00 – 5:00 p.m. and on Tuesday, August 21 from 10:30 a.m. – 12:00 p.m., meeting attendees and family members can gather in the Family Welcome Center (Board Room 3 on the 3rd floor of the host hotel Hilton Minneapolis). Come and get information and share thoughts about how to explore the twin cities of Minneapolis and St. Paul. For a list of family activities taking place during the conference, please go to page 44.

**Child Care**


These local companies will provide a babysitter for your hotel room or other space on an individual basis. Please note that while ITE does not endorse any specific company, we are providing this resource as an available option for families.

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**Program Notes**

**Building the safer roads of tomorrow starts today.**

3M™ Connected Roads*

The future is closer than you think, and at 3M, we’re committed to helping make that future a reality. Many of the automated technologies found in cars today use the same infrastructure drivers have relied on to help them safely navigate for years. Our goal is to continue helping improve safety through enhanced infrastructure for both human and automated drivers.

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3M welcomes ITE to Minnesota.

3M.com/ConnectedRoads

*3M science helps enable safe human and intelligent machine navigation of infrastructure.
Building the safer roads of tomorrow starts today.

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3M welcomes ITE to Minnesota.

3M.com/ConnectedRoads

*3M science helps enable safe human and intelligent machine navigation of infrastructure.
## Agenda

This agenda is accurate as of the date of printing. For the most up-to-date schedule of events, please download the mobile app (see page 9).

### Sunday, August 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m. - 5:00 p.m.</td>
<td>LeadershipITE Meeting</td>
<td>Conrad D</td>
</tr>
<tr>
<td>1:00 p.m. - 5:00 p.m.</td>
<td>Midwestern District Board Meeting</td>
<td>Conrad A</td>
</tr>
<tr>
<td>2:00 p.m. - 5:00 p.m.</td>
<td>Registration Open</td>
<td>Minneapolis Foyer</td>
</tr>
</tbody>
</table>

### Monday, August 20

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m. - 12:00 p.m.</td>
<td>Midwestern District Board Meeting continued</td>
<td>Conrad B</td>
</tr>
<tr>
<td>8:00 a.m. - 4:00 p.m.</td>
<td>Transportation Safety Advancement Group *</td>
<td>Board Room 2</td>
</tr>
<tr>
<td>8:00 a.m. - 5:00 p.m.</td>
<td>Building Smarter Communities through Better Transportation Workshop **</td>
<td>Duluth</td>
</tr>
<tr>
<td>8:00 a.m. - 5:00 p.m.</td>
<td>LeadershipITE Meeting</td>
<td>Conrad D</td>
</tr>
<tr>
<td>11:00 a.m. - 12:00 p.m.</td>
<td>Standing Committee on Recommended Practice (SCORP) Meeting</td>
<td>Conrad A</td>
</tr>
<tr>
<td>11:00 a.m. - 12:30 p.m.</td>
<td>SimCap Users Group Meeting</td>
<td>Board Room 1</td>
</tr>
<tr>
<td>12:00 p.m. - 5:00 p.m.</td>
<td>Family Welcome Center Open</td>
<td>Board Room 3</td>
</tr>
<tr>
<td>12:30 p.m. - 2:00 p.m.</td>
<td>Traffic Engineering Council Meeting</td>
<td>Conrad A</td>
</tr>
<tr>
<td>12:00 p.m. - 5:30 p.m.</td>
<td>Registration Open</td>
<td>Minneapolis Foyer</td>
</tr>
<tr>
<td>8:00 a.m. - 11:00 a.m.</td>
<td>Coordinating Council Meeting</td>
<td>Conrad A</td>
</tr>
</tbody>
</table>

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### Monday, August 20

<table>
<thead>
<tr>
<th>Time</th>
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<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 p.m. - 2:00 p.m.</td>
<td>STEM Subcommittee Meeting</td>
<td>Board Room 2</td>
</tr>
<tr>
<td>1:00 p.m. - 4:00 p.m.</td>
<td>Make an Impact! Proven Techniques to Present Technical Topics to Non-Technical Audiences Workshop **</td>
<td>Rochester</td>
</tr>
<tr>
<td>1:00 p.m. - 5:00 p.m.</td>
<td>Great Lakes District Activities and Board Meeting</td>
<td>Conrad C</td>
</tr>
<tr>
<td>2:00 p.m. - 3:30 p.m.</td>
<td>Welcome to Minneapolis Overview by Meet Minneapolis, Convention &amp; Visitors Association in Family Welcome Center</td>
<td>Board Room 3</td>
</tr>
<tr>
<td>2:00 p.m. - 3:30 p.m.</td>
<td>Pedestrian &amp; Bicycle Standing Committee Meeting</td>
<td>Conrad A</td>
</tr>
<tr>
<td>3:30 p.m. - 4:00 p.m.</td>
<td>First-Timer Orientation</td>
<td>Meet at ITE Registration (Minneapolis Foyer on the 3rd Floor)</td>
</tr>
</tbody>
</table>

*By invitation only
**Separate fee required
**Monday, August 20**

3:30 p.m. - 5:00 p.m.
Transit Standing Committee Meeting
Board Room 1

Public Agency Council Meeting
Conrad B

Transportation Forensics and Risk Management Council Meeting
Conrad A

Transportation Planning Council Meeting
Board Room 2

3:30 p.m. - 5:30 p.m.
Family Program Activity: Minneapolis on Foot - A Downtown Walking Tour
Meet at the Family Welcome Center (Board Room 3) 15 minutes before departure

4:00 p.m. - 5:00 p.m.
First-Timer/Global Members/Sponsor Reception Gallery

*Sponsored by Neel Schaffer*

6:00 p.m. - 7:30 p.m.
Welcome to Minneapolis Reception at U.S. Bank Stadium (Home of the Minnesota Vikings and Super Bowl LII) Buses depart from hotel lobby beginning at 5:30 p.m.

7:45 p.m. - 10:00 p.m.
Old Boardies Dinner*
Hell's Kitchen

**Tuesday, August 21**

7:30 a.m. - 5:30 p.m.
Registration Open
Minneapolis Foyer

7:30 a.m. - 8:30 a.m.
Continental Breakfast in Exhibit Hall
Symphony Foyer

7:30 a.m. - 2:00 p.m.
Exhibit Hall Open
Marquette and Symphony Ballrooms

8:30 a.m. - 10:30 a.m.
Opening Business and Plenary Session
Minneapolis Ballroom A-D
*Sponsored by 3M*

10:30 a.m. - 11:15 a.m.
Beverage and Networking Break in Exhibit Hall
Marquette and Symphony Ballrooms

**Tuesday, August 21**

10:30 a.m. - 12:00 p.m.
Family Welcome Center Open
Board Room 3

10:30 a.m. - 12:15 p.m.
Traffic Bowl Team and Committee Meeting
Director's Row 4

10:30 a.m. - 12:30 p.m.
Transportation Technology Tournament
Conrad B and C

11:15 a.m. - 12:15 p.m.
Technical Sessions
- Advancing the State of the Practice: FHWA Traffic Analysis Tools
  Minneapolis F
  *Sponsored by Rodel Roundabout Analysis Software*
- ITE Town Hall
  Duluth
- Equity 101
  Minneapolis E
  *Sponsored by VHB*
- Curb Your Enthusiasm: Multimodal Planning, Operations, Enforcement, and Design for Optimized Curb Resources
  Minneapolis G
- Systemic Operations: How Do We Make It Indispensable in a Transportation Organization
  Rochester
  *Sponsored by WSP*

12:30 p.m. - 2:30 p.m.
ITE and MWITE/GLITE Excellence in Transportation Awards Lunch with LeadershipITE Graduation
Minneapolis Ballroom A-D
*Sponsored by Bolton and Menk*

2:30 p.m. - 4:00 p.m.
Transportation Safety Council Meeting
Board Room 2

2:45 p.m. - 4:15 p.m.
Technical Sessions
- Cycle-ology 201: New Strategies for Increasing Bicycle Usage and Mobility
  Rochester
  *Sponsored by SIDRA SOLUTIONS*
- Local Leaders, Perspective on the Future of Transportation
  Minneapolis G
- New Tactics for Vision Zero: Tactical Urbanism and Quick Build Strategies
  Minneapolis F
- What's New in Trip and Parking Generation
  Duluth
- Nuts and Bolts Poster Presentations
  Minneapolis Foyer

District/Section/Chapter Forum
Conrad A

LeadershipITE Committee
Board Room 1

Transportation Education Council Meeting
Director's Row 4

TSM&O Council Meeting
Conrad C

Joint Rail Crossing Standing Committee Meeting
Conrad B

2:45 p.m. - 4:45 p.m.
Technical Tour: University of Minnesota Human Factors Lab**
Meet in hotel lobby 15 minutes prior to departure.

4:15 p.m. - 5:45 p.m.
Smart Communities Task Force Meeting
Director's Row 4

4:30 p.m. - 6:30 p.m.
ITE Collegiate Traffic Bowl Grand Championship
Minneapolis E

6:30 p.m. - 8:30 p.m.
25 Years of Women in Leadership in ITE**
Hell's Kitchen

7:00 p.m. - 10:00 p.m.
Student Pizza Party*
Kieran's Irish Pub

Affinity Group Social Events

*By invitation only
**Separate fee required

Updates to the agenda are published on the mobile app (see page 9) and via @ITEHQ (search #ITEMinn2018). Internet access - SSID: Hilton_Minneapolis, Password: Stantec
# Wednesday, August 22

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 7:30 a.m. – 5:30 p.m. | Registration Open  
Minneapolis Foyer  
7:30 a.m. – 8:30 a.m. | Continental Breakfast in Exhibit Hall  
Symphony Foyer  
7:30 a.m. – 3:30 p.m. | Exhibit Hall Open  
Marquette and Symphony Ballrooms  
8:00 a.m. – 9:30 a.m. | CAV Steering Committee Meeting  
Board Room 1  
8:00 a.m. – 10:00 a.m. | Past Presidents’ Breakfast*  
Director’s Row 4  
8:00 a.m. – 10:30 a.m. | Technical Tour: I-35W Construction Tour**  
Meet in hotel lobby 15 minutes prior to departure.  
8:30 a.m. – 10:00 a.m. | Technical Sessions  
• At the Corner of Safe and Efficient: New Observations on Alternative Intersection Treatments to Reduce Crash Severity  
Minneapolis F  
Sponsored by SIDRA SOLUTIONS  
• Mission iMPOssible: Improving Access to Healthy Transportation Alternatives on a Regional Scale  
Minneapolis G  
Sponsored by CBB Transportation Engineers + Planners  
• Tools and Application for Developing Smart Communities  
Rochester  
Sponsored by WSP  
• Working Together Across Generation and Disciplines  
Duluth  
Sponsored by VHB  
• You Can Plan for It, But … Lessons Learned from Disaster Response and Event Management  
Minneapolis E  
• Connected and Automated Vehicles /Smart Communities: Poster Presentations  
Minneapolis Foyer |

# Wednesday, August 22

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 8:30 a.m. – 10:30 a.m. | Technical Tour: Walking Minneapolis – All Modes are Welcome**  
Meet in hotel lobby 15 minutes prior to departure  
Sponsored by Rail Pros  
8:30 a.m. – 1:15 p.m. | Midwestern District Student Poster Competition  
Conrad D  
10:00 a.m. – 10:45 a.m. | Beverage and Networking Break in Exhibit Hall  
Marquette and Symphony Ballrooms  
Sponsored by KLJ  
10:45 a.m. – 12:15 p.m. | Power Plenary  
Minneapolis Ballroom A-D  
Sponsored by Transoft Solutions  
12:15 p.m. – 1:15 p.m. | Lunch in Exhibit Hall  
Marquette and Symphony Ballrooms  
1:00 p.m. – 4:00 p.m. | Technical Tour: 3M Innovation Center: The Magic of Innovation**  
Meet in hotel lobby 15 minutes prior to departure.  
1:15 p.m. – 2:15 p.m. | Transportation Professional Certification Board (TPCB) Annual Business Meeting  
Director’s Row 4  
1:15 p.m. – 2:45 p.m. | Technical Sessions  
• Implementing Best Practices to Provide Safe Integration of Rail Transport  
Duluth  
Sponsored by Iteris  
• Real World Deployment and Testing of Connected and Automated Vehicles  
Minneapolis E  
Sponsored by WSP  
• Smart Communities Data and Research  
Rochester  
Sponsored by Econolite  
• Speeding Up the Slowdown: Strategies for More Intelligent Speed Management in Urban and Suburban Communities  
Minneapolis F  
Sponsored by MTJ Roundabout Engineering  
1:30 p.m. – 4:30 p.m. | Taking Care of Business: Complete Streets Implementation Around the U.S. and Canada  
Minneapolis G  
Sponsored by VHB  
• Complete Streets/Vision Zero: Poster Presentations  
Minneapolis Foyer  
Student Forum  
Director’s Row 3  
1:30 p.m. – 4:30 p.m. | Technical Tour: Biking Minneapolis**  
Meet in hotel lobby 15 minutes prior to departure.  
Sponsored by Alliant Engineering  
2:30 p.m. – 5:00 p.m. | TPCB Board of Directors Meeting*  
Director’s Row 4  
2:45 p.m. – 3:30 p.m. | Beverage and Networking Break in Exhibit Hall  
Marquette and Symphony Ballrooms  
Sponsored by AECOM  
3:30 p.m. – 5:00 p.m. | Technical Sessions  
• Connected and Automated Vehicles: Applications and Research  
Rochester  
Sponsored by SIDRA SOLUTIONS  
• Innovations in Securing Public Support and Funding  
Duluth  
• Signs and Signals – Innovations That Work  
Minneapolis E  
Sponsored by SIDRA SOLUTIONS  
• Stop Sending Mixed Signals: Effectively Managing Traffic Signal Operations in a Complete Streets Environment  
Minneapolis G  
Sponsored by VHB  
• The Role of Smart Signals and Infrastructure in Smart Communities  
Minneapolis F  
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*By invitation only  
**Separate fee required

Updates to the agenda are published on the mobile app (see page 9) and via @ITEHQ (search #ITEMinn2018). Internet access - SSID: Hilton_Minneapolis, Password: Stantec
Wednesday, August 22

5:15 p.m. – 6:30 p.m.
Don'tcha Know?: MiteY Race International Edition
Meet in Minneapolis Ballroom at 5:15 p.m.

6:00 p.m. – 7:30 p.m.
Last Call at Brit’s Pub
Co-sponsored by
Sanderson Stewart

Thursday, August 23

7:30 a.m. – 9:00 a.m.
Women in ITE Subcommittee Meeting
Director’s Row 3

7:30 a.m. – 10:30 a.m.
Registration Open
Minneapolis Foyer

8:00 a.m. – 9:00 a.m.
Continental Breakfast
Minneapolis Foyer

8:30 a.m. – 10:30 a.m.
Midwestern District Annual Business Meeting
Conrad D

Thursday, August 23

9:00 a.m. – 10:30 a.m.
Technical Sessions
- Are We Finally Ready for BRT?
  Duluth
  Sponsored by WSP
- Enhancing Your Curb Appeal: Meeting the Needs of All Users in a Crowded Environment
  Minneapolis G
  Sponsored by VHB
- Leading in a Time of Change
  Minneapolis E
  Sponsored by Econolite
- The Safety Dance: Celebrating Vision Zero Successes and Expanding to Smaller Communities
  Minneapolis F
- Planning for Connected and Automated Vehicles
  Rochester

10:30 a.m. – 11:00 a.m.
Beverage and Networking Break
Minneapolis Foyer

11:00 a.m. – 12:00 p.m.
Closing Plenary
Minneapolis Ballroom A-D

1:00 p.m. – 3:00 p.m.
Streamlining Multimodal Infrastructure Delivery Workshop**
Minneapolis E

1:00 p.m. – 4:00 p.m.
Speed Management Resources and Experiences Workshop**
Duluth

Interactive Highway Safety Design Model (IHSDM) Economic Analysis Workshop**
Rochester

*By invitation only
**Separate fee required

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Plenary Sessions

Keynote Speaker, Opening Business and Plenary Session

Tuesday, August 21, 8:30 – 10:30 a.m.
Minneapolis Ballroom A-D
Professional Development Credits: 1.0 PDHs (PTOE/PTP)

Sponsored by 3M

Our keynote speaker is Dr. Ken Smith, Corporate Scientist, 3M. Ken will share his perspectives on the 3M Way and delve into the culture of innovation that 3M is globally recognized for pioneering. Since 1987, Ken has worked in the development and commercialization of micro-replicated Diamond Grade retroreflective products. Although this broad product family has been a constant focus over the years, the specific technologies and the resulting products have changed greatly, spanning the entire reflective products pyramid. More recently Ken, as part of the 3M Connected Roads effort, has worked to develop infrastructure materials which simultaneously serve both humans as well as connected and automated vehicles. Ken joined 3M in September 1982 after receiving bachelor of science, master of science, and doctorate in mechanical engineering from MIT. He is a named inventor on more than 100 patents.

ITE and MWITE/GLITE Excellence in Transportation Awards Lunch with LeadershipITE Graduation

Tuesday, August 21
12:30 – 2:30 p.m.
Minneapolis Ballroom A-D

Sponsored by Bolton & Menk

Celebrate the best of the transportation profession and recognize tomorrow’s transportation leaders! This event is highly anticipated within the transportation industry as an opportunity to hear about the achievements of our colleagues and friends. We will also be recognizing ITE’s newest honorary members, Marsha Anderson Bomar, John J. Kennedy, and W. Hibbett Neel.

Power Plenary

Wednesday, August 22
10:45 a.m. – 12:15 p.m.
Minneapolis Ballroom A-D

Sponsored by Transoft Solutions

This session includes a panel of experts who will explore the issues surrounding how private sector services are already fundamentally changing how transportation is provided in our cities, as well as discuss what new developments the future might hold.

Moderator:
Robert Spillar, Director of Transportation, City of Austin, TX

Panelist(s)
• Thais Blumenthal de Moraes, Connected Citizens Program, Waze
• Andrew Salzberg, Head of Transportation Policy and Research, Uber
• Bill Dossett, Executive Director, Nice Ride, Minnesota

Closing Plenary

Thursday, August 23
11:00 a.m. – 12:00 p.m.

Minneapolis Ballroom A-D

Professional Development Credits: 1.0 PDHs (PTOE/PTP)

Our closing plenary session speaker, Christopher A. Hart, offers thought-provoking remarks relating to transportation’s role in creating a safe and livable communities. Chris is the founder of Hart Solutions LLP, which specializes in improving safety in a variety of contexts, including the safety of automation in motor vehicles, workplace safety, and process safety in potentially hazardous industries. Prior to founding Hart Solutions, Chris served as Chairman of the National Transportation Safety Board from 2015 to February 2018. Chris has a law degree from Harvard Law School and a master’s degree and a bachelor’s degree (magna cum laude) in Aerospace Engineering from Princeton University. He is a member of the District of Columbia Bar and the Lawyer-Pilots Bar Association, and he is a pilot with commercial, multi-engine, and instrument ratings.
ITE
Congratulates
Our New Honorary Members

and recognizes their notable
and outstanding achievements to
the transportation profession.

Please join us as we recognize
Marsha, John, and Hibbett
during the Opening Business
and Plenary Session on
Tuesday, August 21.

John J. Kennedy,
P.E., PTOE

Marsha
Anderson Bomar,
AICP, ENV SP/Trainer

W. Hibbett Neel,
P.E., P.S.
Pathways

Pathways are designed to facilitate the identification of plenary and technical sessions, workshops, technical tours and other activities of greatest interest to you. They also highlight key topics being addressed during the conference.

- **Curb Your Enthusiasm: Multimodal Planning, Operations, Enforcement and Design for Optimized Curb Resources**, Tuesday, August 21, 11:15 a.m. – 12:15 p.m.
- **Cycle-ology 201: New Strategies for Increasing Bicycle Usage and Mobility**, Tuesday, August 21, 2:45 p.m. – 4:15 p.m.
- **Mission IMPOSSible: Improving Access to Healthy Transportation Alternatives at a Regional Scale**, Wednesday, August 22, 8:30 a.m. – 10:00 a.m.
- **Walking Minneapolis – All Modes are Welcome**, Wednesday, August 22, 8:30 a.m. – 1:30 p.m.
- **Taking Care of Business: Complete Streets Implementation around the U.S. and Canada**, Wednesday, August 22, 1:15 p.m. – 2:45 p.m.
- **Biking Minneapolis Tour**, Wednesday, August 22, 1:30 p.m. – 4:30 p.m.
- **Stop Sending Mixed Signals: Effectively Managing Traffic Signal Operations in a Complete Streets Environment**, Wednesday, August 22, 3:30 p.m. – 5:00 p.m.
- **Are We Finally Ready for BRT?**, Thursday, August 23, 9:00 a.m. – 10:30 a.m.
- **Enhancing Your Curb Appeal: Meeting the Needs of All Users in a Crowded Environment**, Thursday, August 23, 9:00 a.m. – 10:30 a.m.
- **Streamlining Multimodal Infrastructure Delivery Workshop**, Thursday, August 23, 1:00 p.m. – 3:00 p.m.

**Leadership**

- **ITE Town Hall**, Tuesday, August 21, 11:15 a.m. – 12:15 p.m.
- **Equity 101**, Tuesday, August 21, 11:15 a.m. – 12:15 p.m.
- **Local Leaders Perspective on the Future of Transportation**, Tuesday, August 21, 2:45 p.m. – 4:15 p.m.
- **Working Together Across Generations and Disciplines**, Wednesday, August 22, 8:30 a.m. – 10:00 a.m.
- **Innovations in Securing Public Support and Funding**, Wednesday, August 22, 3:30 a.m. – 5:00 p.m.
- **Leading in a Time of Change**, Thursday, August 23, 9:00 a.m. – 10:30 a.m.

**Complete Streets**

- **Building Smart Communities through Better Transportation Workshop**, Monday, August 20, 8:00 a.m. – 4:00 p.m.
- **Tools and Applications for Developing Smart Communities**, Wednesday, August 22, 8:30 a.m. – 10:00 a.m.
- **Smart Communities Data and Research**, Wednesday, August 22, 1:15 p.m. – 2:45 p.m.
- **The Role of Smart Signals and Infrastructure in Smart Communities**, Wednesday, August 22, 3:30 p.m. – 5:00 p.m.

**Connected and Automated Vehicles**

- **Building Smart Communities through Better Transportation Workshop**, Monday, August 20, 8:00 a.m. – 4:00 p.m.
- **Real World Deployment and Testing of Connected and Automated Vehicles**, Wednesday, August 22, 1:15 p.m. – 2:45 p.m.
- **Connected and Automated Vehicles: Applications and Research**, Wednesday, August 22, 3:30 p.m. – 5:00 p.m.
- **Planning for Connected and Automated Vehicles**, Thursday, August 23, 9:00 a.m. – 10:30 a.m.

Neel-Schaffer provides a wide variety of traffic/transportation engineering and planning services through 38 offices across nine states. Our engineers understand what drives the many communities we serve.

Find out more at [www.neel-schaffer.com](http://www.neel-schaffer.com)
Transportation Systems Management and Operations

- Advancing the State of the Practice: FHWA Traffic Analysis Tools, Tuesday, August 21, 11:15 a.m. – 12:15 p.m.
- Systemic Operations: How Do We Make It Indispensable in a Transportation Organization, Tuesday, August 21, 11:15 a.m. – 12:15 p.m.
- You Can Plan for It, But...Lessons Learned from Disaster Response and Event Management, Wednesday, August 22, 8:30 a.m. – 10:00 a.m.
- Implementing Best Practices to Provide Safe Integration of Rail Transport, Wednesday, August 22, 1:15 p.m. – 2:45 p.m.
- Signs and Signals - Innovations That Work, Wednesday, August 22, 3:30 p.m. – 5:00 p.m.

Vision Zero

- New Tactics for Vision Zero: Tactical Urbanism and Quick Build Strategies, Tuesday, August 21, 2:45 p.m. – 4:15 p.m.
- University of Minnesota Human Factors Lab Tour, Tuesday, August 21, 2:45 p.m. – 4:45 p.m.
- At the Corner of Safe and Efficient: New Observations on Alternative Intersection Treatments to Reduce Crash Severity, Wednesday, August 22, 8:30 a.m. – 10:00 a.m.
- Speeding Up the Slowdown: Strategies for More Intelligent Speed Management in Urban and Suburban Communities, Wednesday, August 22, 1:15 p.m. – 2:45 p.m.
- The Safety Dance: Celebrating Vision Zero Successes and Expanding to Smaller Communities, Thursday, August 23, 9:00 a.m. – 10:30 a.m.
- Speed Management Resources and Experiences Workshop, Thursday, August 23, 1:00 p.m. – 4:00 p.m.
- Interactive Highway Safety Design Model (IHSDM) Economic Analysis Workshop, Thursday, August 23, 1:00 p.m. – 4:00 p.m.

Minneapolis Overview by Meet Minneapolis, Convention & Visitors Association, Monday, August 20, 2:00 p.m. – 3:00 p.m.
- Minneapolis on Foot – A Downtown Walking Tour, Monday, August 20, 3:30 p.m. – 5:30 p.m.
- First-Timer/Global Members/Sponsor Reception, Monday, August 20, 4:00 p.m. – 5:00 p.m.
- “Welcome to Minneapolis” Opening Reception at U.S. Bank Stadium, Monday, August 20, 6:00 p.m. – 7:30 p.m.
- ITE Collegiate Traffic Bowl Grand Championship, Tuesday, August 21, 4:30 p.m. – 6:00 p.m.
- Don'tcha Know?: The MiteY Race International Edition, Wednesday, August 22, 5:15 p.m. – 6:30 p.m.
- Last Call at Brit’s Pub, Wednesday, August 22, 6:00 – 7:30 p.m.

Student Activities

- Transportation Technology Tournament, Tuesday, August 21, 10:30 a.m. – 12:30 p.m.
- Student Pizza Party*, Tuesday, August 21, 7:00 p.m. – 10:00 p.m.
- ITE Collegiate Traffic Bowl Grand Championship, Tuesday, August 21, 4:30 p.m. – 6:30 p.m.

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Make the Most of the Joint ITE International and Midwestern/Great Lakes Districts Annual Meeting and Exhibit

No one can be two places at once. It’s inevitable that there will be two sessions that you want to attend taking place at the same time at the upcoming meeting in Minneapolis. Or maybe you want to take a second listen to a few of the interesting conversations that took place during the program.

ITE has the solution for you! ITE is again offering sessions recordings (presentations synched with audio online), allowing you to view the plenary and technical sessions after you return home.

- If you registered prior to June 29 and did not select these recordings as part of your registration, you may still add them on at the reduced price of $50. All fully-registered attendees who registered after June 29 have the recordings included.
- Not a fully-registered attendee? you can purchase these recordings for $99.

For more information, stop by the ITE Registration Desk in the Minneapolis Foyer.

www.ite.org/annualmeeting

ARE YOU THE FUTURE OF TRANSPORTATION?

Are you ready to accelerate your career and be a strong leader in this dynamic environment?

LeadershipITE is an international program to identify, engage, and develop the next generation of transportation leadership. Participants hone their skills through interactive workshops, active problem solving, and engagement with association and national leaders. Graduates leave with a broadened leadership perspective and the skills to engage in their communities and shape the future of their transportation careers, organization, and profession.

Join this diverse group of transportation professionals to:

- **Enhance** your leadership skills
- **Collaborate** in team building exercises
- **Engage** in transportation policy issues
- **Build** professional relationships

LeadershipITE is seeking transportation professionals who demonstrate a capacity for leadership, and engagement, as well as concern about the future of the transportation profession.

To stay up-to-date on the latest LeadershipITE activities send a note to leadership@ite.org. For more information and to apply to LeadershipITE, visit www.ite.org/Leadership.

Application deadline for the class of 2019 is September 14, 2018.

Scott Poska, P.E., PTOE

“The LeadershipITE program greatly influenced the development of my leadership skills at a time in my career where I am taking on greater leadership roles. These skills have given me confidence and have made me a much more effective leader. I have established lasting professional connections and friendships through my fellow classmates, alumni, ITE International Board of Direction members, ITE Council and Committee chairs, and industry leaders. Finally, the program broadened my view of the rapidly changing and diverse transportation industry.”

What's Wrong with My Traffic Study?

ITE is in the process of updating the Recommended Practice on Transportation Impact Analyses for Site Development and re-branding it as a Recommended Practice on Multimodal Transportation Impact Assessments (MTIA) for site development. The update is designed to address:

- Evolution from greenfield to infill development
- Reflection of more context-sensitive travel behavior
- Measures of effectiveness beyond traditional auto level of service
- Unintended consequences of “free rider” or “last-in” site development approaches

We are looking for your input on how ITE should craft the new Recommended Practice. There are many ways to participate:

- Stop by the MTIA table in the Minneapolis Foyer for more info and to add your comment to our comment wall
- Complete the survey on the flyer in your registration packet (and return it to the MTIA table)
- Stay tuned for conversation updates via twitter (follow hashtag #ITEMinn2018) during the conference.
Make the Most of the Joint ITE International and Midwestern/Great Lakes Districts Annual Meeting and Exhibit

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www.ite.org/annualmeeting
Advancing the State of the Practice: FHWA Traffic Analysis Tools and Guidance

The Federal Highway Administration is developing new traffic analysis tools and guidance documents. Focus areas include simulation, calibration, reliability, and intersection design. This panel session provides an overview of these emerging products. The session summarizes key technical concepts, and includes a user perspective on their potential value to practitioners.

Facilitator:
David Petrucci, Senior Safety Engineer, Federal Highway Administration, Baltimore, MD

Speakers:
James Colyar, Transportation Specialist, Federal Highway Administration, Olympia, WA
David Hale, Senior Transportation Project Manager, Leidos, Washington, DC
User Perspective, Sanhita Lahiri, System Analysis Program Manager, Virginia Department of Transportation, Richmond, VA

ITE Town Hall
Duluth
This session provides members with an update from the Executive Director on the operations of the Institute, including a report on its finances, membership, and initiatives. The ITE Executive Committee – President, Vice President, Past President, and Vice-President Elect – will provide an overview of the strategic direction of the Institute and answer questions. Attendees will have the opportunity to provide feedback on the Institute’s policies and programs.
Transportation equity ensures that transportation infrastructure, services, and policies meet the needs of all users, including those who have been historically underserved. This session helps transportation professionals better understand how to incorporate equity into their work.

Facilitator:
Ryan Martinson, Associate, Stantec, Calgary, AB, Canada

Speakers:
Jesse Cohn, Transportation Planner, Fehr and Peers, Washington, DC
Veronica O. Davis, Principal Planning Manager, Nspiregreen, Washington, DC
Paula Flores, Transportation Planning Practice Leader, Greenman-Pedersen, Inc., Tampa, FL

An ITE Complete Streets Council-National Association of City Transportation Officials (NACTO) joint effort is developing a handbook for local jurisdictions on how to inventory, assess, enhance, and prioritize curb spaces to meet the multi-modal demands in a safe and efficient way. The guide will consider regulatory, operations, and technology strategies to optimize curb access and usage, and feature case studies and reference material. This session showcases the lessons learned throughout the effort and introduce the new handbook.

Facilitator:
Jared Fowler, Traffic Engineer, City of Columbus, Columbus, OH

Speakers:
Meghan Mitman, Principal, Fehr and Peers, Walnut Creek, CA
Matthew Roe, Director, Designing Cities Initiative, NACTO, Washington, DC
Larry Marcus, Associate, Wallace Montgomery, Vienna, VA

The discussion of mainstreaming transportation system management and operations into transportation departments of all sizes has been going on for years. This session explores different successful approaches to making this function a core element of agency service delivery.

Facilitator:
Valerie Briggs, Director, Office of Transportation Management, Federal Highway Administration, Washington, DC

Speakers:
Mainstreaming TSMO Using the Strategic Highway Research Program, Tracy Scriba, Team Leader, Planning and Organizing for Operations, Federal Highway Administration, Washington, DC
Is TSMO Here to Stay or Just a Fad?, Todd Szymbkowski, TSMO Manager, Gannett Fleming, Inc. Madison, WI
Approaches to Sharing Travel Time Reliability Information to System Users and Agency Stakeholders, Beverly Kuhn, Division Head/Sr. Research Engineer, Texas A&M Transportation Institute, College Station, TX
Technical Sessions

Tuesday, August 21
2:45 p.m. – 4:15 p.m.

Cycle-ology 201: New Strategies for Increasing Bicycle Usage and Mobility
Rochester
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)

Sponsored by SIDRA SOLUTIONS

This session will focus on design and policy strategies intended to expand the attractiveness of cycling to additional demographics. Projects from around the United States and internationally will emphasize the concept of low-stress cycling and how it relates to safety and mobility, and will also touch on some of the opportunities to increase cycling activity by linking with other modes, such as transit.

Facilitator:
Rebecca Szymkowski, State Traffic Engineer of Operations/Traffic Supervisor, Wisconsin DOT, Madison, WI

Speakers:
New Regulations for Cycling Infrastructure to Achieve Sustainable Mobility in Slovenia, Peter Lipar, Assistant Professor, University of Ljubljana, Ljubljana, Slovenia; Darja Semrov, Ph.D, Faculty of Civil and Geodetic Engineering, University of Ljubljana, Ljubljana, Slovenia
Benefits of Cycling and Transit Integration, Joseph Totten, Student, Portland State University, Portland, OR; David Soto, Student Researcher, Portland State University, Portland, OR
Fremont Bikeway Network, The Next Level, Hans Larsen, Public Works Director, City of Fremont, Fremont, CA
Separated Bike Lane Design: Improving Comfort and Safety for All Users, KC Atkins, Associate, Senior Engineer, Toole Design Group, Minneapolis, MN

Local Leaders, Perspective on the Future of Transportation
Minneapolis G
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)

This session provides a forum for local, county, and state level transportation leaders to discuss their vision on the future of transportation to meet the variety of existing and emerging needs with an international audience of leading transportation professionals. They will share their vision for the near and long-term future of their agencies’ programs, the successes, challenges, and opportunities for putting new ideas into practice, and discuss the implications of innovation and new technologies to their services, programs, and policies.

Facilitator:
Steve Manhart, Transportation Service Leader, Westwood Professional Services, Minnetonka, MN
Speakers:
Wayne Sandberg, Deputy Director/County Engineer, Washington County, Stillwater, MN
Carla Stueve, Director of Transportation Project Delivery, Hennepin County, Medina, MN
Jon Wertjes, Director of Traffic and Parking Services, City of Minneapolis, MN
Scott McBride, Metro District Engineer, Minnesota DOT, Roseville, MN

New Tactics for Vision Zero: Tactical Urbanism and Quick Build Strategies
Minneapolis F
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)

To ensure that street improvements and safety remains an active element of their transportation programs, many cities have looked to tactical urbanism, or quick build, projects to pilot innovative designs efficiently, using materials that can easily be modified and adapted. This session will showcase examples of quick build installations from across North America, including a detailed look at the Tactical Urbanism program championed by Arlington County, Virginia. It will also be the unveiling of the Complete Streets Council’s Quick Build Practitioners Case Study Database.

Facilitator:
Claude Strayer, Senior Transportation Engineer, Fehr & Peers, San Diego, CA

Speakers:
Ryan McClain, Principal, Fehr and Peers, Walnut Creek, CA
Mike Tassano, Traffic Engineer, City of Pleasanton, Pleasanton, CA
Dara Soum, Design Engineer, Arlington County, Arlington, VA
Sergio Viricochea, Design Engineer, Arlington County, Arlington, VA

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What’s New in Trip and Parking Generation
Duluth

Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)

This session highlights several innovative applications of trip generation data and provides an update on two of the industry’s most important parking resources, through engaging presentations and discussion.

Facilitator:
Milton Carrasco, President and CEO, Transoft Solutions, Inc., Richmond, BC, Canada

Speakers:
Stories From the Data: Looking at Trip Generation Data for More Than Just Rates, Stephanie Dock, Research Program Administrator, District of Columbia Department of Transportation, Washington, DC; Jamie Henson, Manager, Systems Planning, District of Columbia Department of Transportation, Washington, DC

Using Big Data to Solve Special Challenges with VMT Generation Estimates for California’s SB 743, Laura Schewel, CEO, StreetLight Data, San Francisco, CA; Ron Milam, Principal, Fehr and Peers, Walnut Creek, CA

Truck Trip Generation at the Zip Code and Establishment Level, Chris Ryan, Senior Associate, SRF Consulting Group, Minneapolis, MN

Updates to Parking Generation Resources, Lisa Fontana-Tierney, Traffic Engineering Senior Director, Institute of Transportation Engineers, Washington, DC; Kevin Hooper, Principal, Kevin Hooper Associates, Falmouth, ME

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At the Corner of Safe and Efficient: New Observations on Alternative Intersection Treatments to Reduce Crash Severity

Minneapolis F
Professional Development Credits: 1.5 PDH (PTOE/PTP)

Sponsored by SIDRA SOLUTIONS

This session focuses on highlighting existing best practices in the design of roundabout intersections for improved safety and operations, including a recently-completed Federal Highway Administration study to assess the effectiveness of mini-roundabouts at sites around the United States. It will also include information about the effectiveness of a new intersection treatment being implemented in Minnesota to reduce severe head-on and right-angle collisions: the restricted crossing U-turn (RCUT).

Facilitator:
Phil Rust, City Traffic Engineer, City of San Diego, San Diego, CA

Speakers:
Reduced Conflict Treatments in Minnesota, James McCarthy, Traffic Operations Engineer, Federal Highway Administration, St. Paul, MN

All about Roundabout Safety and Capacity: the Minnesota Experience, Derek Leuer, Principal Engineer, Minnesota Department of Transportation, Roseville, MN; Max Moreland, Director of Operations, Traffic Data, Inc., Minneapolis, MN

Operational, Safety, and Observational Assessment of Mini-Roundabout Successful Case Studies, Ahmed Amer, Transportation Engineer, VHB, Ashburn, VA; Wei Zhang, Program Manager, Federal Highway Administration, McLean, VA

Application of Safety Design Principles for Safer, Slower Roundabouts, Mark Johnson, Principal Engineer, MTJ Roundabout Engineering, Madison, WI

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Mission iMPOssible: Improving Access to Healthy Transportation Alternatives at a Regional Scale
Minneapolis G
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Sponsored by CBB Transportation Engineering + Planning

This session focuses on the challenges faced by metropolitan planning organizations (MPOs) in coordinating biking and walking infrastructure projects across multiple jurisdictions. It will highlight Transportation for America’s recently-released guidebook entitled “Building Healthy and Prosperous Communities: How Metro Areas are Building More and Better Bicycling and Walking Projects”. It will also include case studies from agencies around the United States, and include information on the State Smart Transportation Initiative.

Facilitator:
Jennifer Pangborn, Senior Technical Principal, WSP, St Louis, MO

Speakers:
Connecting Communities and Measuring What Matters, Chris McCahill, Associate Researcher, University of Wisconsin-Madison, Madison, WI
Improving Health Through Metropolitan Planning Organizations, Katherine Robb, Senior Program Manager for Environmental Health, American Public Health Association, Washington, DC
Dave Yautin, Principal Planner/Analyst, Metropolitan Transportation Commission & Association of Bay Area Governments, San Francisco, CA

Tools and Applications for Developing Smart Communities
Rochester
Professional Development Credits: 1.5 PDH (PTOE/PTP)
Sponsored by WSP

This session presents a practical approach to developing Smart Communities using readily available tools and examples across a broad spectrum of situations.

Facilitator:
Kris Milster, Director of Government Accounts, Traffic Technology Services, Inc.

Speakers:
ITS Pretty Sweet! – How ITS Can Be Used by All Communities, Jacob Folkeringa, Senior Associate, SRF Consulting Group, Minneapolis, MN
Public Transit and TNC Partnerships, Jo Ann Olsen, Associate, SRF Consulting, Minneapolis, MN;
Mark Anderson, Mass Transit Superintendent, City of Mankato, Mankato, MN
US DOT Tools for ITS Standards Deployment, Drennan Hicks, Transportation Systems Engineer, Noblis, Washington D.C.
Local Government Management of Small Cell Antenna Applications and Installations Within the Public Right-of-Way, Joe Laurin, Project Coordinator, City of Minneapolis, Minneapolis, MN

Working Together Across Generations and Disciplines
Duluth
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Sponsored by VHB

Working as a transportation professional today requires working with a variety of perspectives, from different technical disciplines to different generations. Come hear about how appreciation for these perspectives and working together makes us all better.

Facilitator:
Colleen Hill-Stramsak, Associate – Transportation, Hubbell, Roth & Clark, Inc., Bloomfield Hills, MI

Speakers:
Bringing Traffic Engineers and Transit Planners Together, Donald Samdahl, Principal, Fehr & Peers, Seattle, WA
Cats and Dogs Working Together (Planners and Engineers Collaborating While Respecting Their Unique Perspectives), Cynthia Peck, Project Manager, DLZ Cleveland, OH
Bradley Strader, Senior Transportation Associate, MKSK, Detroit, MI
Managing a Multi-Generational Workforce: Next Up Generation Z, Lori Troyer, Recruiter, SRF Consulting Group, Minneapolis, MN
Case Study - Creating & Managing a Results Oriented Work Environment Michael Spack, President, Spack Consulting, Traffic Data Inc./CountingCars.com, Saint Louis Park, MN

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Wednesday, August 22
8:30 a.m. – 10:00 a.m.

You Can Plan for It, But...Lessons Learned from Disaster Response and Event Management
Minneapolis E
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)

Transportation departments are faced with planning and implementing traffic control strategies for special events in coordination with public safety agencies. The scale and scope of these can be relatively predictable, but other times, no amount of planning seems to be enough for a large scale emergency. Hear perspectives and post event evaluation of successes and opportunities to improve.

Facilitator:
Matthew Hill, Supervising Transportation Engineer, WSP, Detroit, MI

Speakers:
A New Playbook for Event Management in Atlanta, Sean Coleman, Traffic Engineer, Kimley-Horn & Associates, Atlanta, GA

Developing a Transportation Plan for “The Daddy of ‘Em All!” – Cheyenne Frontier Days, John Davis, Manager, Traffic Engineering Services, Ayres Associates, Waukesha, WI; Kenneth Voigt, Senior Traffic Engineer, Ayres Associates, Waukesha, WI

August 21, 2017 Total Solar Eclipse: A Special Event with Traffic Congestion Coast to Coast, Jonathan Upchurch, Transportation Engineering Consultant, Ivins, UT

Framework for Successful Transportation Management for Special Events in the Nation’s Capital, Soumya Dey, Associate Director, District of Columbia Department of Transportation, Washington, DC; Richard Retting, Principal, Sam Schwartz Engineering, Arlington, VA

Super Bowl LII Event Management, City of Minneapolis, Steven Mosing, Traffic Engineer, City of Minneapolis, Minneapolis, MN; Jon Wertjes, Director, Traffic and Parking Services, City of Minneapolis, Minneapolis, MN

The Impact to the Transportation Infrastructure in Puerto Rico Due to the Direct Impact of Hurricane Maria: Lessons Learned, Benjamin Colucci-Rios, Director, Puerto Rico LTAP, University of Puerto Rico at Mayaguez, Mayaguez, Puerto Rico

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Wednesday, August 22
1:15 p.m. – 2:45 p.m.

Implementing Best Practices to Provide Safe Integration of Rail Transport
Duluth
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)

Sponsored by Iteris

This session will showcase best practices for developing and integrating safe grade crossing solutions into the transportation network. Topics addressed include shared corridor projects, best practices for traffic signal preemption, and an experimental operational control plan to minimize vehicular intrusions into an existing busway.

Facilitator:
Brent Ogden, Regional Vice President, Kimley-Horn, Oakland, CA

Speakers:
Designing New Features to Control Right Turns on Red, Na Ree Kim, Senior Transportation Engineer, Iteris, Santa Ana, CA; Sam Morrissey, Vice President, WSP, Los Angeles, CA

Dan Soler, Project Director, Metro Transit, Crystal, MN

Jim Alexander, Project Director, Metro Transit, St. Louis Park, MN

Nicole Jackson, AVP-Traffic Systems, CTC, Inc., Fort Worth, TX

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Real World Deployment and Testing of Connected and Automated Vehicles
Minneapolis E
Professional Development Credits: 1.5 PDH (PTOE/PTP)

Sponsored by WSP

This session presents longer term impacts of connected and automated vehicles from a deployment and research perspective and places connected and automated vehicle deployment within the larger context of Vision Zero.

Facilitator:
Jennifer Toth, Transportation Director / County Engineer, Maricopa County, Phoenix, AZ

Speakers:
Vision Zero Shapes a Mid-sized City Today for the Cars of Tomorrow, Sheila Lynn Marquises, Senior Transportation Engineer, City of Fremont, Fremont, CA

Preparing for Connected and Automated Vehicles Technologies, Alexandra Lopez, ITS Engineer, Gannett Fleming, Inc., Miami, FL

Autonomous Vehicle Testing in Winter Weather, Jay Hietpas, State Traffic Engineer, Minnesota Department of Transportation, Roseville, MN; Michael Kronzer, ITS Project Manager, Minnesota Department of Transportation, Roseville, MN

Automated Vehicles on Sidewalks? San Francisco’s Regulation of Delivery Robots, Ricardo Olea, City Traffic Engineer, San Francisco Municipal Transportation Agency, San Francisco, CA
Smart Communities Data and Research
Rochester
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Sponsored by Econolite

This session covers a wide range of practical research within the context of transportation infrastructure in Smart Communities, with a specific focus on big data needs for transportation infrastructure in Smart Communities and risks such as cybersecurity concerns.

Facilitator:
Carl Andersen, Connected Automation Program Manager, Federal Highway Administration, McLean, VA

Speakers:
People Really Tie the Smart Community Together, Jeff Kupko, Assistant Transportation Program Manager, Michael Baker International, Inc., Harrisburg, PA

Cybersecurity in the Smart Community: System Assurance for the Intersection, V2X, and People, Eric Raamot, Chief Technology Officer, Econolite, Colorado Springs, CO

Smart Street Design: Making the Most of Big Data to Design the Street, Tamara Line, TProduct Manager, Remix, San Francisco, CA

The Data Smart Cities Need: Using “Big” Mobile Device Data to Understand O-D Patterns in Oakland, Teresa Tapia, Senior Solutions Engineer, Streetlight Data, San Francisco, CA

Danielle Dai, Transportation Planner, City of Oakland, Oakland, CA

Speeding Up the Slowdown: Strategies for More Intelligent Speed Management in Urban and Suburban Communities
Minneapolis F
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Sponsored by MTJ Roundabout Engineering

This session focuses on new approaches to speed management, and how slower speeds can reduce fatalities and improve community livability. Several projects from medium and large cities around the Midwest will showcase the project development process for previously high-risk corridors, and the session will conclude with a broader discussion on intelligent speed limit setting and how to leverage all available tools and resources.

Facilitator:
Andy Kaplan, Assistant Manager – Agency Operations Center, The Port Authority of New York and New Jersey, New York, NY

Speakers:
Removing Barriers, US 18/151-Verona Road in Madison, Wisconsin, Jeff Held, Senior Associate, Strand Associates, Inc., Madison, WI
Tom Lynch, Senior Associate, Strand Associates, Inc., Madison, WI

What Can We Do About the 85th Percentile Approach to Speed Zones, Rock Miller, Firm Principal, Rock Miller & Associates, Orange, CA; Mark Fayta, Regional Director, Iteris, Chicago, IL

Reimagining 4th Street in Downtown Minneapolis, Donald Pflaum, Transportation Planner, City of Minneapolis, Minneapolis, MN; Kelsey Fogt, Associate Transportation Planner, City of Minneapolis, Minneapolis, MN

Hubbell Avenue Safety Improvements, Des Moines, Iowa, Molly Long, Lead Civil Engineer, Foth Infrastructure & Environment, Johnston, IA

Taking Care of Business: Complete Streets Implementation Around the U.S. and Canada
Minneapolis G
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Sponsored by VHB

This session highlights recently-completed or ongoing Complete Streets projects and other multimodal projects from around the United States and Canada, which touch on a variety of unique contexts. This includes protected bike lanes in mid-sized cities, new complete streets-oriented performance measures and project metrics, and the challenges associated with an enhanced public engagement process on a multimodal infrastructure project in a dense urban environment.

Facilitator:
Emiko Atherton, Director, National Complete Streets Coalition, Smart Growth America, Washington, DC

Speakers:
Notes from the Frontier: Pasadena’s Experience with VMT and Complete Streets, Frederick Dock, Director, Department of Transportation, City of Pasadena, Pasadena, CA
Implementation Strategies for Separated Bike Lanes in Mid-Sized Cities, Zibby Petch, Active Transportation Engineer, IBI Group, Hamilton, ON, Canada
Daryl Bender, Project Manager, Alternative Transportation, City of Hamilton, Hamilton, ON, Canada
Eric Saunderson, Project Manager – Design and Construction, Regional Municipality of Waterloo, Kitchener, ON, Canada
I-35W@I-94: Downtown to Crosstown Project, Aaron Tag, West Area Engineer, Minnesota Department of Transportation - Roseville, MN, Saint Paul, MN
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Technical Sessions

Wednesday, August 22
3:30 p.m. – 5:00 p.m.

Connected and Automated Vehicles: Applications and Research
Rochester
Professional Development Credits: 1.5 PDH (PTOE/PTP)
Sponsored by SIDRA SOLUTIONS
This session presents the results of connected and automated Vehicle deployments, as well as ongoing connected and automated vehicle research.
Facilitator:
Mike Bittner, Transportation Engineer, KLJ, West Fargo, ND
Speakers:
Update on TRB’s CV/AV Activities, Ray Derr, Senior Program Officer, Transportation Research Board, Washington, DC
Parking in the Age of Transportation Network Companies and Fully Autonomous Vehicles, Brian McGann, Consultant, Walker Consultants, Indianapolis, IN
The Strategy of Implementing AV Lanes in Minnesota A Pilot Test on SB I-35W, Joe DeVore, Traffic Engineer, KLJ Engineering, St. Paul, MN
Infrastructure Solutions for Enabling Connected and Automated Vehicles, Kris Hansen, Lab Manager, 3M Transportation Safety Division, St. Paul, MN

Innovations in Securing Public Support and Funding
Duluth
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Two of the biggest challenges in implementing a successful project are securing public support and funding. This session covers new tools and innovative techniques to overcome these challenges.
Facilitator:
Jason DeGray, New England Regional Director of Engineering, Toole Design Group, Boston, MA
Speakers:
Cost-Effective and Innovative Public Engagement Applications, Matt Pacyna, Principal, SRF Consulting Group, Inc., Plymouth, MN; Jennifer Quayle, Communications Specialist, SRF Consulting Group, Inc., Plymouth, MN
Leading Innovative Transportation Investment by Taking the Backseat, Mike McBride, Vice President, American Structurepoint, Inc., Indianapolis, IN; Hardik Shah, Director of Development, American Structurepoint, Inc., Indianapolis, IN
A Simplified Tool to Estimate the Financial and Economic Benefits of Tolling and Public-Private Partnerships, Patrick DeCorla-Souza, Public-Private Partnerships Program Manager, Federal Highway Administration, Washington, DC
Driving Home a Long Term Funding Solution in Indiana, Steven Davidson, Executive Vice President - Partner, American Structurepoint, Inc., Indianapolis, IN

Signs and Signals - Innovations That Work
Minneapolis E
Professional Development Credits: 1.5 PDH (PTOE/PTP)
Sponsored by SIDRA SOLUTIONS
Session participants learn about several innovative applications of traffic control devices aimed at improving transportation safety and operations for all users. Experimental overhead bicycle signals, gap-out signal timing strategies, state of the art updates for dynamic message signs will be discussed, as well as an overview on how automated vehicle location (AVL) is being used to measure and improve signal performance.
Facilitator:
Kyle Othmer, Sales Director, Miovision, Kitchener, ON, Canada
Speakers:
Experimental Bicycle Signals on Washington Avenue: A Pilot Project, Scott Poska, Senior Professional Engineer, City of Minneapolis, Minneapolis, MN; Nathan Ellingson, Project Manager – Design, Hennepin County, Medina, MN
Benefits of Allowing Coordinated Phases to “Gap-out”, Our Local Experience, Jinsong Qi, Traffic Signal Operations Engineer, City of Lethbridge, Lethbridge, Alberta, Canada
Updating of the MUTCD for State of the Art Dynamic Message Signs, Ransford McCourt, Principal, DKS Associates, Portland, OR
Utilizing Automated Vehicle Location (AVL) Trajectories to Monitor and Improve Signal Performance, Stephen Remias, Assistant Professor, Wayne State University, Detroit, MI; Jonathan Waddell, Student Research Assistant, Wayne State University, Detroit, MI

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Wednesday, August 22  
3:30 p.m. – 5:00 p.m.

**Stop Sending Mixed Signals: Effectively Managing Traffic Signal Operations in a Complete Streets Environment**

Minneapolis G  
Professional Development Credits: 1.5 PDH (PTOE/PTP) / 1.5 CM (AICP)  
**Sponsored by VHB**

This session, jointly developed by ITE’s Complete Streets and Traffic Engineering Councils, addresses the importance of coordination between planning, design, and operations of complete streets, focusing on signalized intersections. Traffic signal operations will be addressed specifically, ensuring awareness of the needs of vehicles, transit, bicyclists, trucks, and pedestrians.

**Facilitator:** Larry Marcus, Associate, Wallace Montgomery, Vienna, VA

**Speakers:**
- **Joshua Nicholas**, Sr. ITS & Traffic Signal Engineer, Arlington County, Arlington, VA
- **Andy Anton**, ITS & Traffic Signal Engineer, Arlington County, Arlington, VA
- **Wasim Raja**, Associate Director, Traffic Engineering and Signals, DC Department of Transportation, Washington, DC
- **Eric Teitelman**, Chief, Capital Projects and Traffic Engineering Division of Transportation, Fairfax, VA

**Thursday, August 23**  
9:00 a.m. – 10:30 a.m.

**The Role of Smart Signals and Infrastructure in Smart Communities**

Minneapolis F  
Professional Development Credits: 1.5 PDH (PTOE/PTP)  
**Sponsored by SIDRA SOLUTIONS**

This session highlights the role smart transportation infrastructure plays in enabling Smart Communities, with presentations of deployments from across the United States and internationally.

**Facilitator:** Beverly Kuhn, Division Head / Senior Research Engineer, Texas A&M Transportation Institute, College Station, TX

**Speakers:**
- **Building a Resilient Public Agency Workforce for the Smart City Revolution**, Kelli Raboy, ITS Program Manager, District of Columbia Department of Transportation, Washington, DC;  
- **Soumya Dey**, Associate Director of Traffic Operations and Safety, District of Columbia Department of Transportation, Washington, DC

**Transforming Traffic Signal Interconnections into Public Broadband Networks**, Andy Swisher, Project Manager, HR Green, Inc.  
- **Des Moines, IA**: Dave Zelenok, Business Development Manager, HR Green, Inc., Denver, CO

**Signal Performance Measures: Big Upside for Small Communities**, Farhad Poorhan, Vice President, Systems Product Management, Econolite, Anaheim, CA

**AASHTO Perspective and Ongoing Activities**, Jameelah Hayes, Program Manager for Engineering, AASHTO, Washington, DC

**Are We Finally Ready for BRT?**

Duluth  
Professional Development Credits: 1.5 PDH (PTOE/PTP)  
**Sponsored by WSP**

Hear presentations from across the United States highlighting successful deployment of bus rapid transit (BRT) and transit signal priority strategies.

**Facilitator:** Brian Welch, Senior Manager, Regional Transportation District, Denver, CO

**Speakers:**
- **Innovation on the Orange Line Bus Rapid Transit (BRT) Corridor**, Sam Morrissey, Vice President, WSP, Los Angeles, CA
- **Downtown, Uptown, Parkland, East End BRT**, Stephen Goodreau, Principal/Senior Project Manager, CDM Smith, Chicago, IL
- **Transit Signal Priority + Bus Rapid Transit = A Big Picture in Shared Mobility**, Hoki Tse, ITS Engineer, Metro Transit, Minneapolis, MN
- **A Green Light for Buses – Next Generation Transit Signal Priority System**, Ernest Athanailos, Director of Signals and Street Lighting, New York City DOT, Long Island City, NY
- **Emad Makarious**, Senior Transportation Engineer, New York City DOT, New York, NY
Enhancing Your Curb Appeal: Meeting the Needs of All Users in a Crowded Environment
Minneapolis G
Professional Development Credits: 1.5 PDH (PTOE/PTP)
Sponsored by VHB

This session provides a mix of perspectives on how to best manage limited curb space, particularly in urban environments. Several presentations will demonstrate real-world solutions which focus on enhancing pedestrian and bicyclist safety while also creating a friendly environment for freight and passenger vehicles. There will also be a broader discussion around current and future curb space challenges, especially in the face of growing demand from transportation network companies (TNCs).

Facilitator: Michael Martinez, Traffic Engineer, HDR Engineering, Inc., Minneapolis, MN

Speakers:
Curbside Management: Are We Ready for the Future?, Ashley Kim, Transportation Engineering Assistant, DKS Associates, Anaheim, CA
Fight for the Curb: Where Do the Trucks Go?, Tom Visee, Freight Planner, HDR, New York, NY
Complete Streets “Honky-Tonk Style”, Robert Murphy, Regional Practice Leader, KCI Technologies, Inc., Nashville, TN
Providing a TNC/AV Perspective on Curbside Management, Ryan Westrom, Transportation Engineer and Planner, Greenfield Labs, Palo Alto, CA

Leading in a Time of Change
Minneapolis E
Professional Development Credits: 1.5 PDH (PTOE/PTP)
Sponsored by Econolite

We live in a time of significant technological and institutional change. Leadership in this environment can be difficult. Come hear new and innovative ideas about how to be a better leader in changing times.

Facilitator: Martin Gugel, Assistant Director of Public Works, City of Springfield, Springfield, MO

Speakers:
Stop Being Such an Engineer! The Revival of Engineering Judgement in a World Full of Data, Clark Bailey, Traffic Engineering Leader, Volkert, Inc., Birmingham, AL; Tracy Shandor, Transportation Engineer, Kimley-Horn, Atlanta, GA
Think Outside the Curb: An Ethical Case for Transportation Leadership, Daniel Herrig, Engineer III, Freese & Nichols, Dallas, TX
The Intersection of Strategic Leadership and Customer Service During Technological Transformations, Mark Nogaki, Senior Vice President, Econolite, Anaheim, CA
FreightNYC – A Vision for Freight in New York City, Amir Rizavi, Director of Transportation Systems, VHB, New York, NY; Ryan White, Assistant Vice President, New York City Economic Development Corporation, New York, NY; Craig O’Donnell, Transportation Analyst, VHB, New York, NY
The Safety Dance: Celebrating Vision Zero Successes and Expanding to Smaller Communities
Minneapolis F
Professional Development Credits: 1.5 PDH (PTOE/PTP)
This session is a compendium of topic areas within Vision Zero, intended to highlight the success of ongoing research and implementation projects from FHWA and the Texas A&M Transportation Institute, as well as to highlight approaches being undertaken to expand Vision Zero and highway safety strategies into smaller communities.
Facilitator: Carissa McQuiston, Non-Motorized Safety Engineering Specialist, Michigan DOT, Lansing, MI
Speakers:
Countermeasures and Strategies That Save Lives, Michael Griffith, Director, Office of Safety Technologies, Federal Highway Administration, Washington, DC
The Ups and Downs and Ins and Outs of Traffic Fatalities in the U.S., Robert Wunderlich, Director, Center for Transportation Safety, Texas A&M Transportation Institute, College Station, TX
Safety Performance Functions for Rural Two-Lane County Road Segments, Steven Stapleton, Student, Michigan State University, East Lansing, MI
Identifying Location-Specific Safety Needs for Local Agencies in Michigan, Gentjan Heqimi, Graduate Engineer, Hubbell, Roth & Clark, Bloomfield Hills, MI
Public Understanding of Autonomous Vehicles Functionality and Perceived Benefits, Leon Villavicencio, Analyst, AAA Foundation For Traffic Safety, Washington, DC
Tara Kelley-Baker, Data and Information Group Leader, AAA Foundation for Traffic Safety, Washington, DC
Impacts of Dedicated CAV Lanes on I-270 in Maryland, Raj Paradkar, Senior Project Manager, Kimley-Horn, Reston, VA
Kavita Boddu, Traffic Engineer, Jacobs, Herndon, VA

Planning for Connected and Automated Vehicles
Rochester
This session presents the impact of connected and automated vehicle technologies on transportation planning viewed from both a national and regional perspective.
Facilitator: Jennifer Alford, City Traffic Engineer, City of Westerville, OH
Special Considerations for Deploying CAV and Smart Cities Steve Johnson, Connected Vehicle Program Manager, HNTB, Odessa, FL; John Meeks, Dean of Vocational and Workforce Development Programs, Hillsborough Community College, Tampa, FL
Automated Vehicles: Outcomes from the World’s Largest Annual Symposium, Katherine Kortum, Senior Program Officer, Transportation Research Board, Washington, DC; Mark Norman, Director, Development & Strategic Initiatives, Transportation Research Board, Washington, DC

Countermeasures and Strategies That Save Lives, Michael Griffith, Director, Office of Safety Technologies, Federal Highway Administration, Washington, DC
The Ups and Downs and Ins and Outs of Traffic Fatalities in the U.S., Robert Wunderlich, Director, Center for Transportation Safety, Texas A&M Transportation Institute, College Station, TX
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Impacts of Dedicated CAV Lanes on I-270 in Maryland, Raj Paradkar, Senior Project Manager, Kimley-Horn, Reston, VA
Kavita Boddu, Traffic Engineer, Jacobs, Herndon, VA
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Poster Sessions

August 21
2:45 p.m.– 4:15 p.m.

TSMO Education in the Heartland
Matthew Volz, Sr. Transportation Project Manager, HDR, Kansas City, MO; Tom Hein, TMC Manager, Kansas Department of Transportation, Wichita, KS

Dat Yacht Race? Oh Yah, You Betcha! -- Modeling Bermuda’s America’s Cup From Minnesota
Stephen Manhart, Transportation Service Leader, Westwood Professional Services, Eden Prairie, MN; Vernon Swing, President/CEO, Swing Traffic Solutions, LLC, Plymouth, MN

The Role of Public Transportation During State of Emergency Declarations Due to Natural Disasters
Jodi Godfery, Research Associate, University of South Florida, Tampa, FL; Gennaro Saliceto, Safety and Security Reviewer, University of South Florida CUTR, Tampa, FL

Transportation Team Skillset Diversity in Successfully Managing Roadway Construction Events
Steven Cyra, HNTB Fellow, Associate Vice President, Traffic Operations/ITS, HNTB, Milwaukee, WI; Stephanie Hemberger, Project Manager, HNTB, Kansas City, MO

LRT Grade Separation at a Future TOD Station
Irina Akhnoukh, Senior Transportation Engineer, McElhanney Consulting Services Ltd., Calgary, AB, Canada; Dan Bolger, Senior Transportation Engineer, McElhanney, Calgary, AB, Canada

Assessing Demand and Capacity on the San Francisco Transbay Corridor
Kevin Carstens, Assistant Engineer, W-Trans, Oakland, CA

Setting Priorities for New Interchanges in the Twin Cities
Bryan Nemeth, Transportation/Traffic Engineer, Bolton and Menk, Inc., Burnsville, MN

Transform I-66 inside the Beltway – A Multiresolution Traffic Analysis using VISUM/VISSIM
Yuan (George) Lu, Senior Transportation/Traffic Engineer, Jacobs, Herndon, VA; Shankar Natarajan, Senior Transportation Engineer, Jacobs, Herndon, VA

Before and After Operational Evaluations of Two Diverging Diamond Interchanges
Wei Zhang, Highway Research Engineer, Federal Highway Administration, McLean, VA; Gregory Jordan, President, Skycomp, Inc., Columbia, MD

Chesapeake School Trip Generation Study - Tampa Bay, Florida
Michael Dorweiler, Senior Project Manager, Dewberry, Tampa, FL

Strategies for Enhancing Mobility and Safety with Flashing Yellow Arrows
Darcy Akers, Transportation Engineer, City of Bellevue - Transportation Department, Bellevue, WA

LRT Implementation: the University of Minnesota Experience
Sandra Cullen, Assistant Director, Parking and Transportation Services, University of Minnesota, Minneapolis, MN

Worldwide Parking Best Practices-How Parking is Used to Manage Traffic
W. Hollis Loveday, Senior Transportation Engineer, CDM Smith, Knoxville, TN

Role of ‘Level of Service’ in Traffic Studies
Tushar Awar, Principal, Gorove/Slade Associates, Inc., Chantilly, VA; Pulkit Parikh, Transportation Engineer, Gorove/Slade Associates, Inc., Chantilly, VA

New Interchange Design: The Double Offset T Interchange
Peter Yu, Student, Pullman, WA

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**August 22**

**8:30 a.m. - 10:00 a.m.**

**Connected and Automated Vehicles / Smart Communities**

**Intersection Design and the Connected Vehicle Imperative**
**Snehasis “Sunny” Chakravarty**, Vice President of Engineering, Econolite, Anaheim, CA

**Adaptive Signal Control Technology - A Case Study in the Systems Engineering Process**
**Diederick Van Dillen**, ITS Systems Manager, Jacobs Engineering, Baltimore, MD

**ITS Master Planning Our Future: Assessing What We Have in Preparation For the Unknown**
**Tyler Wiles**, Traffic Engineer, HR Green, Inc., Johnston, IA; **Steve Garbe**, Associate Vice President - Traffic, Iteris, Lincoln, NE

**Driverless Future: A Policy Roadmap for City Leaders**
**Akhil Chauhan**, Principal ITS and Traffic Engineer, Arcadis, Baton Rouge, LA; **Marwad Abboud**, Senior Vice President, Arcadis, Atlanta, GA

**Iowa Data Bike: Monitoring Regional Trail Pavement Condition**
**Marcus Coenen**, Senior Transportation Planner, Des Moines Area MPO, Des Moines, IA

**Traffic Signal Data Sharing in the City of Frisco, Texas**
**Brian Moen**, Assistant Director of Engineering Services, City of Frisco, Frisco, TX

**Evaluating Multimodal Transportation Projects**
**Virginie Nadimi**, Associate Transportation Planner, City of Minneapolis, Minneapolis, MN

**Transportation Data Analysis and Visualization Using Inrix Data for NYC DOT**
**Patricio Vicuna Franco**, Assistant Highway Transportation Specialist, New York City Department of Transportation, New York, NY

**Roadways Serving Everyone in Our Community**
**Reiner Blanco**, Project Delivery Lead, City of Seattle, Seattle, WA; **Trevor Partap**, Traffic Spot Improvements, City of Seattle, Seattle, WA

**Unmanned Aircraft Systems and Traffic Incident Management (UAS-TIM)**
**Charles Stevens**, Principal, Stevens Technical Services, Houston, TX

**Better Together: Harmonizing Preemption Systems, Signal Timing to Improve Safety and Mobility**
**Mark Ignatowski**, Marketing Communication Specialist, Global Traffic Technologies, St. Paul, MN; **Chad Mack**, Product Manager, Global Traffic Technologies, St. Paul, MN

**ActivateYYC: Microgrants that Rethink Transportation Engineering**
**Jen Malzer**, Transportation Engineer, City of Calgary, Calgary, AB, Canada

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Poster Sessions

August 22
1:15 p.m. – 2:45 p.m.

Complete Streets / Vision Zero

Performance Monitoring Intelligent Work Zones in Iowa
Skylar Knickerbocker, Research Engineer, Iowa State University, Ames, IA; Tim Simodynes, ITS Engineer, Iowa Department of Transportation, Ames, IA

Up, Up, & Away! The Application of Raised Crosswalks at Roundabouts
Hardik Shah, Director of Development, American Structurepoint, Inc. Indianapolis, IN; Jeremy Kashman, Director of Engineering, City of Carmel, Carmel, IN

Understanding Pedestrian Crashes in Minneapolis
JoNette Kuhnau, Vice President, Kimley-Horn and Associates, Inc, St. Paul, MN; Steven Mosing, Traffic Engineer, City of Minneapolis, Minneapolis, MN

Secondary Crash Analysis Methodology: Illinois Tollway
Charles McCarthy, Traffic Engineer, TranSmart Technologies, Inc., Chicago, IL

Using the Surrogate Safety Assessment Model to Evaluate Access Management Alternatives
Grant Schultz, Professor, Brigham Young University, Provo, UT

Geometric Highway Design Process for the 21st Century
Richard Coakley, Principal Transportation Engineer, Jacobs, Milwaukee, WI

Crash Data Analysis for Older Drivers, Pedestrians and Bicycles
Scott Knebel, Group Manager, Crawford, Murphy & Tilly, Columbus, OH

Older Drivers and Road Design: Safety Perceptions, Self-Regulation and Crash Risk

Balancing the Diverse Needs of Communities to Improve Regional Connectivity in Denver, CO
James Parkhill, Engineer, Atkins, Denver, CO; Devin Louie, Engineer II, Atkins, Denver, CO

20 Year Streets Funding Plan
Abdullahi Abdul, Associate Transportation Planner, City of Minneapolis, Minneapolis, MN; Elizabeth Heyman, Transportation Planner, City of Minneapolis, Minneapolis, MN

Using Driving Simulation to Model Motorist and Bicycle Interactions at Separated Bike Lanes
Francis Tainter, Graduate Research Assistant, University of Massachusetts - Amherst, Amherst, MA; Cole Fitzpatrick, Ph.D. Post-Doctoral Research Fellow, University of Massachusetts - Amherst, Amherst, MA

Building a Bicycling Community for Everyone
Simon Blenski, Transportation Planner, City of Minneapolis, Minneapolis, MN, Rebecca Hughes, Transportation Planner, City of Minneapolis, Minneapolis, MN

Urban Applications of Bike Lanes: Lessons Learned
Brandon Taylor, Project Manager, KCI Technologies, Inc., Nashville, TN

Can Your Design be Maintained? Year Round Maintenance of Protected Bikeways
Mike Kennedy, Director of Transportation Maintenance & Repair, City of Minneapolis, Minneapolis, MN

Advancing Transportation Options in Des Moines
Brian Wilham, Senior Traffic Engineer, Snyder & Associates, Inc., Ankeny, IA; Jennifer McCoy, City Traffic Engineer, Des Moines, IA

Stop for Me
John Maczko, City Traffic Engineer, City of Saint Paul, St. Paul, MN

Crash Analysis in the Time of Big Data
Bryan Nemeth, Transportation / Traffic Engineer, Bolton & Menk, Inc., Burnsville, MN; Dan McCormick, County Traffic Engineer, Carver County, Cologne, MN

Innovative Techniques for Presenting Safety Benefits to the Public: A Case Study from Middle Tennessee
Daniel Spann, Transportation Director, Barge Design Solutions, Nashville, TN; Peter Kauffmann, Transportation Engineer, Barge Design Solutions, Memphis, TN

Fremont Vision Zero - Improving Safety in a Silicon Valley Suburb
Hans Larsen, Public Works Director, City of Fremont, Fremont, CA
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Workshops
(Separate Fee Required; Available on a Space Available Basis Only)
Learning objections for each workshop can be found at www.ite.org/annualmeeting.

Monday, August 20
8:00 a.m. – 4:00 p.m.
Building Smarter Communities through Better Transportation
Duluth
Professional Development Credits: 6.0 PDH (PTOE/PTP)/ 6.0 CM (AICP)
Participate in this informative and engaging workshop that will bring public and private sector stakeholders together in three ways:
Connected Vehicle (CV) Deployment Progress - The focus of this opening session will be on deployment of connected vehicles, including progress / results from United States Department of Transportation pilot projects in Tampa, New York City and Wyoming; ongoing and planned deployment activity in response to the Signal Phase and Timing (SPaT) challenge; and available policy and technical guidance for those interested in deploying CV services.
Connecting Problems Facing Public Sector Agencies with Potential Private Sector Solutions - This session will match public sector attendees with selected private sector solution providers in a series of roundtable discussions. Public sector attendees will rotate between tables to discuss the specific transportation and technology issues they are facing with private sector solution providers. Lunch will be provided.
Autonomous Vehicles are Coming – How Do Public Agencies Prepare? This closing session will be focused on how the deployment of autonomous vehicles will challenge public sector agencies and what actions they should be considering as the technology matures and moves beyond testing into deployment.
Discussion will center on a series of key issue areas such as planning for deployment, mixed operation of AVs and non-AVs, AV deployment in fleets, etc.
A summary of the day’s activities will be developed and published as a technical product that will be provided to workshop participants after the event.

Registration fees:
• Public sector agencies: Free
• Private sector, academic sector, non-profit agencies: $99

Maximum number of participants: 120

Monday, August 20
1:00 p.m. – 4:00 p.m.
Make an Impact! Proven Techniques to Present Technical Topics to Non-Technical Audiences
Rochester
Professional Development Credits: 3.0 PDH (PTOE/PTP)/ 3.0 CM (AICP)
There’s a lot at stake. You must present your project to a client, prospective client, elected officials, executives, or the public who have little time and less background in the subject area. You get one chance and it needs to go well.
Get the coaching that you and your staff need to give effective and unforgettable presentations.
This workshop is not a packaged presentation skills program. This workshop is tailored to you – a transportation professional who works with technical content, engineering projects and transportation plans. Learn tips and techniques to enhance your speaking and presentation materials whether speaking to the public, a prospective client or political leadership.
This is an interactive workshop. Bring your own presentation and work on it throughout the session or participate more generally. You will be coached through the steps to convert technical material into information that is quickly and clearly understandable to non-technical audiences. You can send in complicated PPT slides in advance and learn ways to transform them for ease of understanding.
Discover how to use neuroscience to enhance audience connection and relevance. This workshop is only available as part of the Joint ITE International and Midwestern/Great Lakes Districts Annual Meeting and Exhibit.
It’s a powerful, high-content, high-value workshop that can improve your business and enhance your effectiveness as a transportation professional.
Registration Fee: $99
Maximum Number of Registrants: 50
There were 37,461 traffic fatalities in 2016. Among these fatalities, 10,111 (28 percent) involved at least one driver speeding, that is exceeding the posted speed limit or going too fast for the roadway conditions. Speeding crashes are prevalent in rural and urban settings. In recent years, speed management has also received increased interest to address pedestrian and bicyclist fatalities in cities that have embraced a Vision Zero approach to safety. Speed management is a cross-cutting safety issue and FHWA has been collaborating with safety partners tackling this national issue. FHWA has recently produced, in partnership with ITE, three informational guides for the applications of speed management countermeasures:

Traffic Calming ePrimer – a free, publicly available online resource representing many decades of traffic calming experience in the United States and vetted by key community stakeholders, including transportation, safety, and emergency management officials.

Speed Management for Rural Transition Zones and Town Centers – a valuable resource for practitioners in rural communities when developing speed management plans, selecting appropriate speeding countermeasures, and evaluating their effectiveness.

Self-Enforcing Roadways: A Guidance Report – a useful informational guide to transportation professionals, state departments of transportation, and researchers interested in identifying methods that may produce self-enforcing or self-explaining roadways during the geometric design process.

This workshop will include presentations covering the contents of and how to use these newly released guides, as well as how public agencies are implementing a focus on effective speed management in their communities. This session is suitable for traffic engineers, design engineers, and planners from both public and private sectors.

Registration fee $50
Technical Tours
(Separate Fee Required; Available on a Space Available Basis Only)

All tour participants should meet in hotel lobby 15 minutes prior to departure. Learning objectives for each workshop can be found at www.ite.org/annualmeeting.

Tuesday, August 21
2:45 p.m. – 4:45 p.m.
University of Minnesota Human Factors Lab
Professional Development Credits: 1.0 PDH (PTOE/PTP) / 1.0 CM (AICP)

The HumanFIRST (Human Factors Interdisciplinary Research in Safety and Transportation) Laboratory is a facility of the University of Minnesota’s Department of Mechanical Engineering and is also affiliated with the Roadway Safety Institute. The HumanFIRST Laboratory employs the tools and methods of psychology and human factors engineering to improve scientific understanding of driver performance and cognitive functions. HumanFIRST’s studies focus on how humans interact with the many technologies and environmental factors that influence driving performance. Understanding these interactions is critical to ensuring that new technologies are safe as well as effective. The tour will include an overview of the research being conducted plus a look at the lab’s new vehicle simulator including a demonstration.

Registration Fee: $50
Maximum number of participants: 40

Wednesday, August 22
8:00 a.m. - 10:30 a.m.
I-35W Construction Tour
Professional Development Credits: 1.5 PDH (PTOE/PTP) / 1.5 CM (AICP)

The Minnesota Department of Transportation (MnDOT) is currently undertaking the $239 million full reconstruction of I-35W just south of downtown Minneapolis, including its interchange with I-94. Key elements of this project include construction of a new MnPASS lane, construction of an in-line Bus Rapid Transit Station, improved access to the Lake Street Business District, pavement and bridge reconstruction and rehabilitation, partial reconfiguration of the I-35W/I-94 interchange, and improved accessibility and pedestrian accommodations. Join us to see first-hand how this significant project is progressing and learn about the project’s robust public engagement efforts, traffic impacts, corresponding traffic management strategies, and transit and multimodal elements. At the time of the tour the project will be in the midst of some of its most significant roadway and lane closures.

Registration Fee: $25
Maximum number of participants: 50

Wednesday, August 22
1:00 p.m. - 4:00 p.m.
3M Innovation Center: The Magic of Innovation
Professional Development Credits: 1.5 PDH (PTOE/PTP) / 1.5 CM (AICP)

With 3M’s headquarters located in Minneapolis, a tour of the 3M Innovation Center is a must. This tour showcases 3M’s commitment to answering the needs of companies and consumers around the world. See first-hand how 3M worked to develop products such as the soles on the boots worn by the first man to walk on the moon as well as the shoes worn by Michael Johnson when he won gold in the Olympics.

The tour includes a short presentation and light refreshments.

Registration Fee: $50
Maximum number of participants: 50

Updates to the agenda are published on the mobile app (see page 9) and via @ITEHQ (search #ITEMinn2018). Internet access - SSID: Hilton_Minneapolis, Password: Stantec
Wednesday, August 22
8:30 a.m. – 10:30 a.m.
Walking Minneapolis – All Modes are Welcome
Sponsored by Rail Pros
This walking tour of Minneapolis showcases the ways its vibrant downtown has transformed its transportation network to truly embrace all users. Beginning with the recently renovated Nicollet Mall, the long-time core shopping and entertainment artery, participants will hear about its transformation into a pedestrian-friendly venue, including lots of trees, colorful chairs, and a plethora of art.
We then check out Washington Avenue and its new bike facilities as well as walk through a joint project between Hennepin County and the City of Minneapolis featuring six blocks containing a five-lane roadway for motorized traffic, wide sidewalks for pedestrians, and a cycle track for bicyclists. Participants also see the Marq2 Transit Corridor, which was rebuilt in 2009 to better serve the thousands of commuters arriving by express bus each day. This one-way pair corridor has side-by-side bus only lanes and wide sidewalks, heated waiting shelters, and NexTrip real-time transit displays.
Two final spots will be the green spaces around the U.S. Bank Stadium, adjacent to a busy light rail station, and the Hennepin County Government Center. Both reflect the City’s commitment to public green space for respite and everyday activities whether you’re a worker, visitor, or resident.
Registration Fee: $25
Maximum number of participants: 40

Wednesday, August 22
1:30 pm. – 4:30 p.m.
Biking Minneapolis
Professional Development Credits: 1.5 PDH (PTOE/PTP)/ 1.5 CM (AICP)
Sponsored by Alliant Engineering
Minneapolis is nationally ranked as one of the best biking cities in the country and has been awarded with the Gold Level Bicycle Friendly Community Award from the League of American Bicyclists. As of 2015, Minneapolis has 129 miles of on-street bikeways and 97 miles of off-street bikeways.
Join us for an 11-mile guided bike tour of Minneapolis’ significant bike network. The tour will include a vast array of recreational bike trails, regional bike trails, greenways, and on-road facilities that offer countless opportunities to explore and traverse the City as a recreational cyclist or as a bike commuter.
The tour will include a portion of the country’s first bicycle freeway (Cedar Lake Trail), the Stone Arch Bridge, a segment of the Midtown Greenway, and many of the city’s most recognizable landmarks. The route is flat and will mostly take us on dedicated bicycle lanes and bicycle trails. Downtown Minneapolis streets are busy, however, so comfort with urban bicycle riding is recommended. Bike and helmets will be provided. Please make sure to bring water and sun protection.
Registration Fee: $60
Maximum number of participants: 40
Meeting Highlights, Family, and Student Activities

Monday, August 20, 12:00 - 5:00 p.m.
Tuesday, August 21, 10:30 a.m. - 12:00 p.m.

Family Welcome Center
Meeting attendees and family members can gather in the Family Welcome Center (Board Room 3 on the 3rd floor of the host hotel Hilton Minneapolis). Come and get information and share thoughts about how to explore the Twin Cities of Minneapolis and St. Paul.

Monday, August 20, 2:00 p.m. - 3:30 p.m.

Minneapolis Overview by Meet Minneapolis, Convention & Visitors Association
Make the most of your trip to Minneapolis! A representative from Meet Minneapolis will be on hand in our Family Welcome Center to share tips on what to see and do in the Twin Cities. Open to everyone!

Monday, August 20, 3:30 p.m. - 5:30 p.m.

Minneapolis on Foot - A Downtown Walking Tour
NOTE: Tour will require a $0.50 LRT fare purchase for each individual on the walking tour. Minneapolis is a great city for walking (and biking)! This primer to downtown Minneapolis takes in some key landmarks and includes a few places for rest stops. The tour will begin at the host hotel Hilton Minneapolis and end at US Bank Stadium (the site of the Monday evening Welcome Reception). The tour will be on flat city pavements, and will cover 3.1-3.7 miles on foot.

Monday, August 20, 8:30 a.m. - 4:30 p.m.
Tuesday, August 21 8:30 a.m. - 4:30 p.m.
Wednesday, August 22 8:30 a.m. - 4:30 p.m.

Local Arrangements Committee (LAC) and CVB Information Table
Sponsored by Urban Systems
Stop by the LAC and CVB information table in the main registration area (3rd floor pre-convene at the Hilton Minneapolis) during open hours to speak with one of our local experts to get recommendations on area attractions and restaurants!

Monday, August 20
3:30 p.m. - 4:00 p.m.

First-Timer Orientation
Meet at ITE Registration Desk
This is a great opportunity for first time attendees to walk through with ITE staff on how to take advantage of everything you can at the annual meeting. ITE staff will go over the meeting schedule, point out key features and not to miss moments, as well as provide first-time attendees a tour of the key areas of the hotel where most ITE events will be taking place. The orientation will end at the First-Timer reception, giving you a great platform to start networking.

Monday, August 20
4:00 p.m. - 5:00 p.m.

First-Timer/Global Members/Sponsor Reception
Gallery
Sponsored by Neel Schaffer
Calling all first time attendees, global ITE members, and meeting sponsors. This reception is for you! Join members of ITE’s board of direction, ITE staff, and our meeting sponsors as we welcome you to Minneapolis. Come meet some new people, create new relationships, and learn first-hand what ITE and this meeting can offer you!

Monday, August 20
6:00 p.m. - 7:30 p.m.

“Welcome to Minneapolis” Opening Reception at U.S. Bank Stadium
An once-in-a-lifetime opportunity! Our welcome reception this year will be held in the prestigious Delta Sky360 Club at U.S. Bank Stadium. This private club is on field level, with a full glass wall facing the stadium floor. The Vikings players’ tunnel runs right through the Delta Sky360 Club, so you will be treated to unique “behind the scenes” access to the site where Super Bowl LII was held.

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ITE Committee and Council Meetings

Monday, August 20
8:00 a.m. - 11:00 a.m.  
ITE Coordinating Council Meeting  
Conrad A
8:00 a.m. - 12:00 p.m.  
Transportation Safety Advancement Group (TSAG)*  
Board Room 2  
(by invitation only)
11:00 a.m. - 12:00 p.m.  
Standing Committee on Recommended Practice (SCORP)  
Conrad A
11:00 a.m. - 12:30 p.m.  
SimCap Users Group (TENC)  
Board Room 1
12:30 p.m. - 2:00 p.m.  
Traffic Engineering Council (TENC)  
Conrad A
Sustainability Standing Committee (TPC)  
Board Room 1
1:00 p.m. - 2:00 p.m.  
STEM Committee  
Board Room 2
2:00 p.m. - 3:30 p.m.  
Pedestrian & Bicycle Standing Committee (CSC)  
Conrad A
Roundabout Standing Committee (TENC)  
Board Room 1
Ethics Standing Committee (CoCo)  
Conrad B
Transportation Consultants Council (TCC)  
Board Room 2
3:30 p.m. - 5:00 p.m.  
Transportations Forensics and Risk Management (TFRM)  
Conrad A
3:30 p.m. - 5:00 p.m.  
Transit Standing Committee (CSC)  
Board Room 1
Transportation Planning Council (TPC)  
Board Room 2
Public Agency Council (PAC)  
Conrad B

Tuesday, August 21
2:30 p.m. - 4:00 p.m.  
Transportation Safety Council (TSC)  
Board Room 2
2:45 p.m. - 4:15 p.m.  
Transportation Systems Management and Operations (TSMO)  
Conrad C
Transportation Education Council (TEC)  
Director’s Row 4
Joint Rail Crossing Standing Committee (TENC)  
Conrad B
LeadershipITE Committee  
Board Room 1
4:15 p.m. - 5:45 p.m.  
Smart Communities Task Force Meeting  
Director’s Row 4

Wednesday, August 22
8:00 a.m. - 9:30 a.m.  
Connected Vehicle/Autonomous Vehicle Steering Committee  
Board Room 1

Thursday, August 23
7:30 a.m. - 9:00 a.m.  
Women in ITE Subcommittee  
Director’s Row 3

*by invitation only

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Meeting Highlights

Tuesday, August 21
6:30 p.m.– 8:30 p.m.

**Celebrate 25 Years of Women in Leadership in ITE**
The first Women’s Power event was held in Dallas at ITE’s Annual Meeting in 1994; the first year a woman would serve as International President. Join us as we honor Marsha Anderson Bomar. The evening will include networking, a brief talk, and discussion about women in transportation. We will be going to Hell’s Kitchen (80 South 9th St). As always, expect great food and beverage.

Tuesday, August 21
7:00 p.m. – 10:00 p.m.

**Student Pizza Party**
An annual event for students to network and enjoy a casual evening with their peers. This year’s event will be held at Kieran’s Irish Pub.

Wednesday, August 22
5:15-6:30 p.m.

**Dontcha Know?: The MiteY Race International Edition**
Participants should meet in the Minneapolis Ballroom A-D beginning at 5:15 p.m. The 3rd Annual MiteY Race International Edition is themed "Dontcha Know?". Teams will race around a number of "pit stops" located in downtown Minneapolis with the first team to cross the finish line declared the winner.

Wednesday, August 22
6:00 p.m. – 7:30 p.m.

**Last Call at Brit’s Pub**
Co-Sponsored by Sanderson Stewart
For more than a quarter of a century Brit’s Pub has been Minneapolis’ own little corner of the United Kingdom. This iconic downtown pub is known for lawn bowling on the rooftop and private rooms with fireplaces and pool tables. The pub is within easy walking distance of the host hotel Hilton Minneapolis. Join us for an evening of great food, great drinks, and charming conversation.

*By Invitation Only
** Separate Fee to Attend

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List of Exhibitors

Marquette Ballroom
- AAA Foundation for Traffic Safety (17)
- ACT Traffic Solutions (3)
- Aimsun (36)
- ATSSA (8)
- Bolton & Menk (5)
- Carmanah Technologies (12)
- Counting Cars (7)
- Eberle Design (14)
- Econolite (26)
- EtherWAN Technologies (13)
- GRIDSMART Technologies, Inc. (32)
- Houston Radar (33)
- Image Sensing Systems (28)
- Intellight (19)
- Intecomp (25)
- International Road Dynamics (6)
- JAMAR Technologies (30)
- JSF Technologies (9)
- Lane Light ITEM (35)
- McTrans - University of Florida (1)
- Pedestrian and Bicycle Information Center (34)
- Pelco Products (2)
- Polara Enterprises LLC (37)
- PTV Group (22)
- RoadSys (16)
- Sensys Networks (24)
- Tesco Controls (11)
- TOMAR Electronics, Inc. (21)
- Traffic and Parking Control Co (18)
- Trafficware (38)
- Transoft Solutions (29)
- Trip Generation (31)
- Wavetronix (20)

Symphony Ballroom
- Applied Information (18)
- Caliper Corporation (9)
- Campbell Company (26)
- CITE (11)
- CohuHD CoStar (23)
- Control Corporation (22)
- Connected Signals (10)
- Daktronics (8)
- Eco-Counter (17)
- Elecsys Corporation (12)
- Gannett Fleming (21)
- Global Traffic Technologies (24)
- Iteris (1)
- ITS Minnesota (30)
- Kimley-Horn (5)
- Live Traffic Data (29)
- MicroTraffic (16)
- Miovision (7)
- North Dakota State University (31)
- QWICK KURB® (32)
- Siemens (27)
- SRF Consulting Group Inc. (15)
- TrafficCast (14)
- Traffic Technology Services, Inc. (3)
- Trans Intelligence (25)
- Transportation Professionals Certification Board (28)
- UrbanLogic (13)
- USDOT (20)

Minneapolis Foyer
- ITE Membership Services Center
- ITE Registration
- ITE Planning Council
- ITE Advisory Committee
- LeadershipITE
- Volunteer Check-In
- MeetMinneapolis (CVB)
- Local Arrangement Committee

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Aimsun
Marquette 36
Karen Giese
events@aimsun.com
www.aimsun.com
Aimsun is an international team of technologists, scientists, and transportation engineers dedicated to solving the world’s most complex mobility problems.

Aimsun’s modeling software analyzes the interaction of public and private vehicles; simulates the role of artificial intelligence and machine learning; tests autonomous vehicles; or offers insights into smarter multi-modal transportation choices. Thousands of users in over 80 countries use Aimsun software and services.

American Traffic Safety Services Association (ATSSA)
Marquette 8
Donna Clark
donna.clark@atssa.com
www.atssa.com
ATSSA’s core purpose is to advance roadway safety. ATSSA represents the roadway safety industry with effective legislative advocacy, traffic control safety training, and a far-reaching member partnership. ATSSA members accomplish the advancement of roadway safety through the design, manufacture, and installation of road safety and traffic control devices. As a trusted partner, the FHWA has awarded ATSSA 2016 grant funding to offer high-quality Work Zone Safety Grant training.

Bolton & Menk, Inc.
Marquette 3
Chris Chromy, P.E., PTOE
chrisch@bolton-menk.com
www.bolton-menk.com
Bolton & Menk listens, embraces challenges, and strategically applies the right tools to meet client needs. Whether traditional or progressive, we let client collaboration lead us to the right solution. These solutions often find a delicate balance between competing interests that are technically feasible, publicly acceptable, economically viable, and environmentally compatible.

Properly planned and engineered roadways, intersections, trails, and transit systems contribute greatly to the ease of movement of people, goods, and services. We work with communities and evaluate various alternatives to solve their transportation challenges. We find real solutions that help real people achieve their transportation needs.

AAA Foundation for Traffic Safety
Marquette 17
Joanne But
jbut@aaafoundation.org
www.aaafoundation.org
Founded in 1947, the AAA Foundation for Traffic Safety is a not-for-profit, publicly supported charitable research and education organization dedicated to saving lives by preventing traffic crashes and reducing injuries when crashes occur.

For 70 years, the Foundation has been true to its mission to prevent traffic deaths and injuries by conducting research into their causes and by educating the public about strategies to prevent crashes and reduce injuries when they do occur.

ACT Traffic Solutions
Marquette 3
http://www.acttrafficolutions.com
ACT Traffic Solutions (ACT) is a leading distributor of transit and traffic technologies. ACT’s technology partners provide the latest hardware and software innovations that government agencies need to safely and effectively monitor and control complex transit and traffic systems.

Carmanah Technologies
Marquette 12
Aaron Lockwood
alockwood@carmanah.com
https://carmanah.com/
Carmanah helps municipalities improve safety for multimodal networks, which allows users to connect with and between neighborhoods, no matter which type of transportation they choose. Since 1996, we have designed, manufactured, and distributed solar- and AC-powered LED flashing beacons across North America for this purpose. Our goal is to increase safety, improve walkability, and get drivers’ attention in a flash. Our products include flashing beacons to get drivers to yield at crosswalks, school zone beacons to alert drivers to posted speed limits, and 24-hour flashers to help drivers focus on signs.

Caliper Corporation
Symphony 9
Paul Ricotta, P.E.
sales@caliper.com
www.caliper.com
Caliper Corporation is the developer of TransCAD, the dominant and premier software package for travel demand modeling in North America. Caliper is also the developer of TransModeler, a micro-simulation software package that provides unprecedented capability, usability, and capacity for microscopic traffic modeling and dynamic traffic assignment.

Both applications are extremely flexible, extensible, and fully-integrated with Caliper’s full-featured and user-friendly geographic information system are often deployed in tandem for a complete integration of macroscopic and microscopic modeling environments. Both packages are extremely high performing and represent the state of the art in modeling software technology.

Campbell Company
Symphony 26
Tony Wheeler
tonyw@pedsafety.com
Campbell Company is an ISO 9001:2008 certified company that designs, engineers, and manufactures pedestrian accessibility products that focus on the traffic industry – specifically the intersection crosswalk. Campbell Company’s innovative solutions include Accessible Pedestrian Signals, Push Buttons, Pedestrian Stations, Signs and Hardware.

Exhibitor Descriptions
**CITEL**
Symphony 11
http://www.citel.us/
Since 1937, CITEL Inc has manufactured a complete line of surge protective devices (SPD) to protect sensitive equipment from the harmful effects of lightning strikes and other power line disturbances. CITEL is a world leader in transient voltage surge suppression products and components including AC power surge protection, DC power surge protectors, RF coaxial surge suppressors and the component gas discharge tube (GDT) surge arrestor.

**CohuHD Costar**
Symphony 23
Bill Poremba
baporemba@cohuhd.com
www.cohuhd.com
CohuHD Costar designs and manufactures rugged HD CCTV video surveillance camera systems for critical infrastructure and transportation. Our video cameras monitor the most critical, sensitive environments such as border security and transportation, specifically traffic (ITS), maritime ports, airports and railways. Founded in 1946, CohuHD Costar manufactures in the U.S. the most reliable, rugged video cameras available. CohuHD Costar is a wholly-owned subsidiary of Costar Technologies, Inc. (OTC Markets Group: CSTI)

**Control Corporation**
Symphony 22
https://control.com/
For more than 35 years, Control Corporation has been a manufacturer and provider of quality networking and industrial data communication products, specializing in industrial Ethernet and device connectivity. With representation across North America, EMEA, Asia and Latin America, Control sells RocketLinx® industrial grade Ethernet and Power over Ethernet switches, IO-Link industrial gateways, DeviceMaster® Ethernet device servers and gateways and RocketPort® multiport serial cards through distributors, resellers and integrators worldwide. Providing exceptional product and technical support, Control establishes solutions for a wide range of security, energy, industrial automation, and traffic and transportation applications.

**Connected Signals, Inc.**
Symphony 10
David Etherington
ether@connectedsignals.com
connectedsignals.com
Connected Signals is the world’s leading provider of predictive, real-time, traffic signal information to connected and autonomous vehicles.

Using existing infrastructure and innovative methods, we acquire real-time traffic signal data from traffic management systems and elsewhere. We then build predictive models for each signal using proprietary machine learning and traffic engineering techniques. The resulting real-time predictive information is delivered to vehicles.

We connect our partner agencies’ signals to vehicles in weeks, not months or years, and at virtually no cost to the agencies. This connection supports a broad range of functions, enhancing safety while reducing fuel consumption and carbon emissions.

**CountingCars.com**
Marquette 7
Mike Spack
mspack@countingcars.com
www.countingcars.com
We sell portable traffic counting hardware and data processing services that save you money and take the stress out of data collection.

**Daktronics**
Symphony 8
Sarah Hill
tbuconventions@daktronics.com
daktronics.com
Daktronics Transportation guides people in motion by communicating travel information related to flight and transit schedules; roadway congestion or detours; parking availability and more with Vanguard® dynamic message signs and Galaxy® message displays. Transportation serves state and city departments of transportation, airports, parking facilities, mass transit agencies and tollway authorities.

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Mike Spack
mspack@countingcars.com
www.countingcars.com
We sell portable traffic counting hardware and data processing services that save you money and take the stress out of data collection.

**Eberle Design Inc.**
Marquette 14
Birgit Olson
bolson@editraffic.com
www.editraffic.com
About Eberle Design Inc. – An ISO 9001:2015 Registered Company – Celebrating Over 38 Years of Excellence
Eberle Design, Inc. headquartered in Phoenix, Arizona, and its wholly owned subsidiary Reno A&E, based in Reno, Nevada, are both global market leading manufacturers of mission critical intersection safety monitoring, vehicle detection and peripheral electronics for the traffic control, parking/access, rail industries. Products include infrastructure control components that allow transportation and access control professionals to integrate, automate and manage intersections, roads and access points easily, efficiently and safely.

**Econolite**
Marquette 26
Persephone Oliver
poliver@econolite.com
www.econolite.com
Econolite’s Intelligent Transportation System (ITS) solutions ease traffic congestion, provide safer mobility and improves quality of life. As the one-stop-shop leader for traffic management systems, sensor products, and services, our broad offerings also include planning and design of turnkey, multi-modal transportation systems, software engineering, traffic network implementation, integration, operations, and maintenance. Econolite is committed to the advancement of connected and autonomous vehicles, smart cities, and cybersecurity.

**Elecsys Corporation**
Symphony 12
https://elecsyiscorp.com/
Elecsys is a leading provider of innovative M2M (machine-to-machine) technology solutions and custom electronics for critical industrial applications. Elecsys systems enable customers to gain visibility and control of field assets to increase efficiency, enhance safety, and maximize productivity. Our award-winning products can be flexibly integrated into any system and can communicate via MODBUS into existing SCADA, or via cellular or satellite telemetry into our user-friendly data management system. With tens of thousands of systems deployed in over a dozen countries, Elecsys M2M solutions have been field-proven in harsh and remote environments to provide simple, yet powerful, end-to-end solutions incorporating rugged field hardware, wireless communication systems, data management applications, and flexible data interface options.
EtherWAN Technologies
Marquette 13
Jason Frank
jason.frank@etherwan.com
www.etherwan.com
Ethernet Connectivity in ITS for over 20 years. 10Gbs Ethernet Layer 3 NEMA TS-2 Switches down to simple media converters, including DSL. Cost effective Wireless offerings as well.

Gannett Fleming
Symphony 21
Eric Rensel
erensel@gfnet.com
www.gannettfleming.com
Gannett Fleming is a multidiscipline planning, design, construction, and program management consulting firm with a track record of project success since 1915. Our 2,200 employees excel in delivering transportation operations solutions that improve mobility, increase safety, and enhance operations and maintenance.

Gannett Fleming has completed more than 400 diverse transportation operations projects across the globe and we’ve successfully delivered design-build, design-build, and public-private partnership projects, totaling $12 billion in construction value.

Global Traffic Technologies
Symphony 24
Andrea Gossett
andrea.gossett@gtt.com
www.gtt.com
GT INtelligent transportation solutions serve all modes of transportation with the flexibility to integrate with the latest and legacy traffic and city-wide infrastructure. GT has deployed nearly 180,000 connected and IoT devices to provide intelligent transportation solutions that move residents and service providers safer and more efficiently.

GRIDSMART Technologies, Inc.
Marquette 32
Christie Knapper
marketing@gridsmart.com
GRIDSMART.com
GRIDSMART Technologies, Inc. develops, commercializes, and sells efficient Intelligent Traffic Systems, Internet of Everything, and services to municipal partners around the world. Build on uncompromising core principles - Simple, Flexible, and Transparent - GRIDSMART delivers simple solutions for complex traffic problems for customers of all sizes.

Houston Radar LLC
Marquette 33
Stephanie Hilton
stephanie@houston-radar.com
houston-radar.com/
Houston Radar is a leading supplier of Doppler and FMCW radars for the traffic industry. With an OEM portfolio of over 6 different speed and presence detection radars, we cater to a wide range of requirements. Our Armadillo Tracker, Armadillo Crossfire, and SpeedLane traffic collection products have set a new benchmark in ease of use for non-intrusive traffic data collection devices.

Image Sensing Systems, Inc.
Marquette 28
Lisa Chubb
info@imagesensing.com
imagesensing.com
For over 30 years, Image Sensing Systems, Inc., (ISS) has been the global leader in video and radar processing analytics. Through our market leading solutions, we’ve improved traffic flow at intersections and on the highways of some of the world’s largest cities. ISS is a provider of above ground detection and information management solutions for the Intelligent Transportation Systems (ITS) sector. ISS industry leading products include the Autoscope video detection family and the RTMS radar detection family.

Intelight
Marquette 19
Alan Clelland
alan.clelland@intelight-its.com
intelight-its.com
Intelight leads the traffic signal operations and management industry by consistently delivering off-the-shelf, innovative products that are both cutting edge and user friendly. Intellight embraces open standards, and designs its products so that Intellight software and hardware can function seamlessly with other products, including those built by customers or competitors. Intellight solutions include traffic signal controllers and cabinets, intersection and ramp meter control software, adaptive traffic control software, central traffic management systems, and connected vehicle applications.

LaneLight ITEM Ltd.
Marquette 35
Dale Stewart
dale.stewart@lanelight.com
www.LaneLight.com
Combining Safety and Innovation, for over 17 years ITEM Ltd. has been saving lives with their LED enhanced LaneLight warning systems that target the tunnel vision of distracted driver’s. Their warning systems are built tough, ship with a 5 Year Warranty, and are engineered for 10 to 15 years of trouble free operation. Visit www.LaneLight.com for more information on how you can dramatically improve visibility and safety at your crosswalks, bike lanes, stoplights, grade rail crossings, and wrong way warning systems with a LaneLight in-road warning system, RRFB crosswalk system, or one of their many LED enhanced accessories.
Exhibitor Descriptions

ITS Minnesota
Symphony 30
Roger Walz, ITS MN President
rjw@eganco.com
ITSMN.org
ITS Minnesota is a voluntary, not-for-profit organization and has been a state chapter of ITS America since 1995. Its mission is to foster grassroots participation and public-private partnerships in Intelligent Transportation Systems (ITS), which generate interest, excitement, cooperation and progress focused on implementation results.

Intercomp
Marquette 25
Matt Hursh
matth@intercompcompany.com
intercompcompany.com
Intercomp designs and manufactures fixed & portable weighing solutions for static or Weigh-In-Motion wheel, axle, and gross vehicle weighing applications. Intercomp’s portable and in-ground scale systems can weigh vehicles in motion for cost effective data collection, vehicle enforcement, and tolling (ETC) applications. Our Weigh-In-Motion strip sensors can be integrated with various electronics, cameras and accessories to build a complete weighing solution. From ISO 9001:2008 Registered facilities in the US and the United Kingdom, our employees rely on 40 years of global industry expertise and applications experience to provide our customers superior quality and reliability.

International Road Dynamics
Marquette 6
Donna Bergan
donna.bergan@irdinc.com
https://www.irdinc.com/
IRD (International Road Dynamics Inc.) is a multi-discipline, technology company with the expertise to integrate complementary ITS (Intelligent Transportation Systems) technologies into systems designed to solve unique and challenging transportation problems. IRD is the one source company that can offer multi-systems solutions by integrating a number of different technologies to the desired functionality.

Institute of Transportation Engineers
Minneapolis Foyer
Colleen Agan
cagan@ite.org
ite.org
The Institute of Transportation Engineers (ITE) is an international membership association of transportation professionals who work to improve mobility and safety for all transportation system users and help build smart and livable communities. Through its products and services, ITE promotes professional development and career advancement for its members, supports and encourages education, identifies necessary research, develops technical resources including standards and recommended practices, develops public awareness programs, and serves as a conduit for the exchange of professional information.

Iteris, Inc.
Symphony 1
Ginny Acosta
gmt2@iteris.com
www.iteris.com
Iteris is the global leader in applied informatics for transportation, turning big data into big breakthrough solutions. We collect, aggregate and analyze data on traffic and roads to generate precise informatics that lead to safer transportation. Municipalities and government agencies around the world use our solutions to make roads safer and travel more efficient. For more information, visit www.iteris.com

JAMAR Technologies, Inc.
Marquette 30
Sales Department
sales@jamartech.com
www.jamartech.com
For more than 40 years, JAMAR has been providing solutions for customer’s data collection needs. Stop by our booth #M30 to see the latest developments, including our new STARnext software which is replacing TRAXPro. We also have a new version of our popular Radar data collector and a new version of the industry-leading TRAX road tube data collectors. Our RAC Geo distance measuring instruments are also an efficient, cost-effective way to do highway surveys and sign inventories.

JSF Technologies
Symphony 5
Ken Ackeret
ken.ackeret@kimley-horn.com
www.jsftech.com
JSF Technologies designs and manufactures solar-powered warning beacons and connected devices for the traffic safety industry. With distribution across the globe, JSF specializes in solutions for transportation, aviation, and weather notification. Sustainable and smart technology are our hallmarks, and JSF is at the forefront of wireless, solar communication and LED-enhanced diagnostic warning devices. Since 2002, JSF has expanded its solar product line to service the safety needs of highways, schools, roadways, and airways, and is constantly evolving in terms of efficiency, features and capabilities. JSF is passionate about using sustainable, renewable energy to make the world a safer place.

Kimley-Horn
Symphony 5
Ken Ackeret
ken.ackeret@kimley-horn.com
www.kimley-horn.com
Kimley-Horn has been committed to the transportation profession for more than 50 years, and we continue to be a proud member, sponsor, and exhibitor of the Institute of Transportation Engineers. With over 80 offices across the nation, our multi-disciplinary team of engineers, planners, and technicians develops practical solutions for all of your transportation projects.

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Ginny Acosta
gmt2@iteris.com
www.iteris.com
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Marquette 30
Sales Department
sales@jamartech.com
www.jamartech.com
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www.kimley-horn.com
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**Live Traffic Data**
Symphony 29
Bryan Ferguson
bryan.ferguson@livetrafficdata.com
https://www.livetrafficdata.com/

We partner with traffic agencies, providing the tools to improve signal timing practices and monitoring of signalized intersections at no cost. Our software connects signalized intersections with traffic management centers and is compatible with all existing traffic signal controller and detector types currently on the market.

**McTrans - University of Florida**
Marquette 1
Vishal Khanapure
mctrans@ce.ufl.edu
http://mctrans.ce.ufl.edu

As the largest transportation software dissemination center in the world, the McTrans Center develops, distributes and supports software for traffic engineering and transportation planning applications. McTrans is a self-supporting center within the Engineering School of Sustainable Infrastructure & Environment (ESSIE) and is part of the University of Florida Transportation Institute (UFTI). McTrans is the developer of HCS, TSIS-CORSIM and TRANSYT-7F software programs.

**MicroTraffic**
Symphony 16
Craig Milligan
craig.milligan@microtraffic.com
microtraffic.com

MicroTraffic provides road safety video analytics. Engineers use near-miss data from MicroTraffic to make life-saving decisions in road safety. Our comprehensive and affordable reports provide a suite of safe systems conflict indicators that you can use for risk diagnostics, benchmark comparisons, site prioritization, intervention selection, and before-after studies. MicroTraffic’s technology is based on the world’s most powerful artificial intelligence. You can unlock the power of high resolution risk data for proactive road safety management with MicroTraffic.

**Miovision**
Symphony 7
Lisa Wilhelm
lwilhelm@miovision.com
https://miovision.com/

Founded in 2005, Miovision’s mission is to empower cities to improve the transportation experience for citizens. Miovision is reinventing the way traffic infrastructure is managed with our industry-leading traffic data collection solution and cloud-based remote signal management technology. Today, Miovision technology is being used at close to 50% of the traffic intersections in North America. For more information, visit www.miovision.com.

**North Dakota State University**
Symphony 31
Jody Bohn Baldock
jody.bohn.baldock@ndsu.edu
ndsu.edu/education

North Dakota State University is a leader in academic excellence and competitive research. Students have access to state-of-the-art, technologically advanced research facilities, internationally renowned faculty, and numerous public-private partnerships.

Graduate assistantships provide financial support and contribute to professional development. The Graduate School at NDSU offers 51 doctoral degrees, 83 master’s degrees, and 13 certificate programs, providing numerous opportunities for individuals to gain the knowledge and experience necessary to become leaders in their fields.

**Pelco Products, Inc.**
Marquette 2
Paul Koenig
Paul.Koenig@pelcoinc.com
pelcoinc.com

With Pelco Products, innovation always comes standard.

Pelco Products, Inc. is an Oklahoma based, family-owned business specializing in designing, engineering, manufacturing and distributing the finest traffic and utility products.

Founded in 1985 with 5 employees, Pelco Products, Inc. now employs over 300 Team Members in 315,000 square feet of manufacturing space. Pelco is dedicated to serving its two primary markets, Traffic and Utility, globally through Innovative Solutions, Quality Products & Unparalleled Customer Service.

**Polara**
Marquette 37
Matthew Baker
mbaker@polaraent.com
www.polara.com

Polara, an ISO 9001:2015 registered company, is the leading manufacturer of Accessible Pedestrian Signals (APS) and ADA push buttons. Our products meet or exceed rugged specs certified by an independent lab. The newly introduced iNavigator (intelligence-added) is a full-featured system that can be communicated with, and programmed wirelessly through Bluetooth technology. It has both audible and vibro-tactile features that give the pedestrian information at every phase of the walk cycle, allowing agencies the flexibility they need to meet the needs of their citizens. Come see the iNavigator at Booth M47.

**PTV Group**
Marquette 22
Joseph Lubliner
joseph.lubliner@ptvgroup.com
www.ptvgroup.com

PTV Group improves mobility and transportation – by using world-class software, data and scientific know-how gained from four decades of experience in planning and optimizing the movement of people and goods. We support the sales, development, application, distribution, training and customer service of PTV Group’s traffic and logistics software products in the Americas.

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Matthew Baker
mbaker@polaraent.com
www.polara.com

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Qwick Kurb™, Inc.
Symphony 32
Ted Parson
ted@qwickkurb.com
www.qwickkurb.com
Manufacturer of high performance Category 3RX, 4 and 4X. Materials, including stainless steel NEMA 3R, dimensions, cabinet colors, configurations and made-to-spec, are available with custom 508A compliant equipment, standard size backup systems have become an established national standard for municipalities. Our UL 508A compliant equipment, standard size and made-to-spec, are available with custom dimensions, cabinet colors, configurations and materials, including stainless steel NEMA 3R, 3RX, 4 and 4X.

Sensys Networks
Marquette 24
Vince Ferrinho
vince@sensysnetworks.com
http://sensysnetworks.com/
Sensys Networks improves the way people travel through cities by providing traffic management solutions. The installation of traffic flow sensors and weather stations helps cities optimize traffic flow to reduce congestion and improve safety. Sensys Networks' advanced traffic management solutions provide real-time analytics to cities, law enforcement, and emergency responders to improve safety and efficiency. Sensys Networks' traffic management solutions are trusted by cities across the U.S.

Tesco Controls Inc.
Marquette 11
Curt Vasey
kchang@tescocontrols.com
tescocontrols.com
Tesco Controls, Inc. is a leading equipment manufacturer and full service systems integrator for the transportation, electric utility and water/wastewater industries. Founded in 1972, Tesco’s control cabinets, utility service pedestals, switchgear (metered & unmetered), and battery backup systems have become an established national standard for municipalities. Our UL 508A compliant equipment, standard size and made-to-spec, are available with custom dimensions, cabinet colors, configurations and materials, including stainless steel NEMA 3R, 3RX, 4 and 4X.

Traffic Technology Services, Inc.
Symphony 3
Kiel Ova
kiel.ova@traffictechservices.com
www.traffictechservices.com
Traffic Technology Services (TTS) is a technology company and information provider for connected vehicle applications. The Personal Signal Assistant® cloud-based solution, patented prediction process, industry standard definitions, and comprehensive deployment allows for immediate vehicle-to-infrastructure (V2I) integration and applications. TTS is the supplier for the first automotive OEM V2I system for consumers, Audi connect® Traffic Light Information. TTS is providing live service in Dallas, Denver, Houston, Kansas City, Las Vegas, Los Angeles, Phoenix, Portland, San Francisco, and Washington DC areas.

Roadsys Inc.
Marquette 16
Dan LeBlanc
dan@roadsysllc.com
www.roadsysllc.com
RoadSys LLC provides intelligent traffic solutions that make travel of all modes more efficient, smarter and safer. Our data collection products count, classify and analyze all modes of traffic from pedestrians and bicycles to automobiles and trucks. Our active-transportation products make these vulnerable modes of travel safer and more enjoyable. Environmentally minded solar power is offered on all products. Our signature product, the Event Monitoring Unit (EMU), has the unique and one-of-a-kind ability to count all modes of traffic in addition to collecting WIM data - all in just one, powerful, unit.

SRF Consulting
Symphony 15
https://www.srfconsulting.com/
As a 100 percent employee-owned company, SRF’s engineers, planners, and designers collaborate with our clients and their stakeholders to develop creative solutions for the most challenging projects. Together, we create vibrant communities and dynamic experiences. Our award-winning projects range from designing roadways, trails, and bridges to planning statewide transportation systems, to revitalizing neighborhoods and urban spaces.

Traffic and Parking Control Co
Marquette 18
Brian Scharles
BrianS@tapconet.com
www.tapconet.com
TAPCO (Traffic & Parking Control Co., Inc.) is a Wisconsin based business headquartered in Brown Deer, Wisconsin dedicated to manufacturing, distributing and servicing the latest innovations in safety. Founded by Ray Bergholz in 1956, TAPCO has remained privately owned by two families for three generations.

Toole Design Group
Marquette 34
Ciara Schlichting
cschlichting@tooledesign.com
tooledesign.com
Toole Design Group is the nation’s leading planning, engineering and landscape architecture firm specializing in bicycle and pedestrian transportation. Our focus is developing creative yet practical solutions that move people more efficiently, while improving the quality of life of the community.

Tesco Controls Inc.
Marquette 11
Curt Vasey
kchang@tescocontrols.com
tescocontrols.com
Tesco Controls, Inc. is a leading equipment manufacturer and full service systems integrator for the transportation, electric utility and water/wastewater industries. Founded in 1972, Tesco’s control cabinets, utility service pedestals/switchgear (metered & unmetered), and battery backup systems have become an established national standard for municipalities. Our UL 508A compliant equipment, standard size and made-to-spec, are available with custom dimensions, cabinet colors, configurations and materials, including stainless steel NEMA 3R, 3RX, 4 and 4X.

Symphony 27
Ellen Monroe
ellen.monroe.ext@siemens.com
usa.siemens.com/ruggedcom
Siemens Intelligent Traffic Systems (ITS) has a long history of providing ITS system design and integration services. The Siemens ITS U.S. portfolio encompasses a full suite of traffic management solutions: advanced traffic controllers covering both Caltrans and NEMA standards, state-of-the-art controller firmware, powerful advanced traffic management systems, and adaptive traffic control systems. In conjunction with supplying hardware, software and integration services for the earliest deployments of Connected Vehicle, Siemens has also partnered with a number of cities interested in Smart City transportation solutions. As an integrated solution provider, Siemens is leading the way to seamless mobility.

Symphony 3
Kiel Ova
kiel.ova@traffictechservices.com
www.traffictechservices.com
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TrafficCast
Symphony 1
Paul Misticawi
pmisticawi@trafficcast.com
www.trafficcast.com
BlueTOAD® Spectra is an advanced traffic-monitoring system, measuring travel times using non-intrusive roadside technology. Coupled with BlueARGUS traffic data analytics software, BlueTOAD Spectra combines detection of “paired” Bluetooth device signals along with detection of devices in “unpaired” Bluetooth mode to deliver more matches, complimenting a variety of traffic management strategies.

Trafficware
Marquette 38
Barbara Catlin
barbaracatlin@trafficware.com
www.trafficware.com
Trafficware specializes in research, design, and development of electronic equipment and enterprise software products supporting the transportation industry, including Smart Signal technology, central ATMS, adaptive signal control, wireless vehicle detection, controllers, and cabinets. Trafficware’s four decades of industry expertise includes hands-on experience solving traffic management challenges, earning the company a reputation for unmatched quality. The company’s flagship Synchro® plus SimTraffic Simulation and Analysis Software product alone is used by engineers in more than 90 countries. The company also manufactures a full line of traffic equipment at its 100,000 square-foot technology center outside Houston, Texas.

Trans Intelligence
Symphony 25
Frank Liu
frank.h.l@trans-intelligence.com
http://www.trans-intelligence.com
Trans Intelligence is the developer of TranSync, a modern tool for optimal signal timing of coordinated signals. It is composed of a Windows-based software TranSync-D for data management and optimization, and a mobile tool TranSync-M for field evaluation and performance measurement. While TranSync-D provides two-way bandwidth optimization without the needs of traffic counts, TranSync-M enable users to develop virtual signal controllers on their mobile devices. Together with its advanced features of geo-referencing and dynamic time-space diagram, it allows users to easily diagnose common issues with actuated coordinated signals, such as clock drifting, and erroneous offset inputs.

Transoft Solutions
Marquette 29
Irm de Leon
ids@transoftsolutions.com
transoftsolutions.com
Transoft Solutions develops state-of-the-art technologies for AEC design professionals. Whether you are designing a new road or highway corridor, mixed-use facility, intersection, site plan, or retro-fitting an existing parking lot, our software can help you complete it confidently and efficiently. As a testament to its industry leading status, many government departments and AEC firms worldwide have made Transoft's products their de facto standard on all their civil, transportation, and site development projects - a level of success that clearly makes us a worldwide leader in our field.

Transportation Professional Certification Board
Symphony 28
Ann O’Neill
aoneill@tpcb.org
www.tpcb.org
Recognizing the certification and professional development needs of the transportation profession, the Transportation Professional Certification Board Inc. (TPCB), an autonomous certification body affiliated with the Institute of Transportation Engineers, offers the following certification programs: Professional Traffic Operations Engineer® (PTOE), Professional Transportation Planner® (PTP) and Road Safety Professional (RSP).

Trip Generation
Marquette 31
Irm de Leon
ids@transoftsolutions.com
transoftsolutions.com
If you aren’t using ITE’s Trip Generation Manual, 10th edition then you are using out-of-date trip generation data. This edition offers not only modernized content but also contemporary delivery.

Users now have access to a significantly expanded and enhanced data set with more than 1,700 new data points—a 30 percent increase—and new urban, person-based trip data. The ability to access the ITE trip generation data set has also been significantly improved through the introduction of searchable electronic material previously only available in hard-copy format and first-ever access to the underlying data through a new web-based application, ITETripGen.

Stop by our booth and we’ll be happy to show you more.

UrbanLogiq
Symphony 13
Kevin O’Connell
kevin@urbanlogiq.com
www.urbanlogiq.com
UrbanLogiq helps governments build better communities with data. We work with public servants to consolidate data that is currently fragmented in silos to create a unified view of a community and then utilize artificial intelligence to derive insights to help governments make faster, cheaper and more accurate decisions.

USDOT
Symphony 18
Imagine a transportation system in which cars can see things that you can’t. Such cars could warn of a potential crash or icy roads ahead, advise of a traffic jam ahead, or help find a parking space. These developments are closer than you think through the U.S. Department of Transportation (USDOT) connected vehicle research being showcased USDOT booth. USDOT also unveils its premiere connected vehicle research projects: the connected vehicle pilots. Representatives from New York City, the Tampa-Hillsborough Expressway Authority (THEA) and the Wyoming Department of Transportation will be at the booth to answer questions. The booth will also feature newly-releases videos from each of the pilot sites. Stop by our booth to see the future being shaped today.

Wavetronix
Marquette 20
Spencer Banta
spencer.banta@wavetronix.com
wavetronix.com/en
Wavetronix creates tools for intelligent transportation systems (ITS), including advanced radar sensors, power and communication solutions and data management appliances. Our innovative products and unmatched performance are changing the ITS industry and raising expectations for vehicle detection and safety, at the intersection, midblock and freeway.
Exhibit Hall Floor Plan

Marquette Ballroom

Symphony Ballroom

Minneapolis Foyer

Updates to the agenda are published on the mobile app (see page 9) and via @ITEHQ (search #ITEMinn2018). Internet access - SSID: Hilton_Minneapolis, Password: Stantec.
Hotel Floor Plan

Lobby Level

Second Floor

Third Floor

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Save Money. Register by September 7.

Come to learn about creative ITS implementation solutions for your community. Public and private transportation, transit, tourism, enforcement, freight industry, public safety, and medical service professionals engaged in the operations, maintenance, and use of our transportation system should attend the National Rural ITS and ITS Arizona Annual Conference + Exhibit. Elected and appointed officials, business and community leaders, and emergency responders and public safety personnel will contribute to the rich dialogue while learning about the technical challenges facing the transportation community.

**ACCOMMODATIONS**
The headquarters hotel is the **We-Ko-Pa Resort and Conference Center**. Located only 20 minutes east from the Phoenix Sky Harbor International Airport, the property features spectacular views of Arizona’s majestic Four Peaks and iconic Red Mountains alongside the free-flowing Verde River. Meeting attendees are eligible to receive the specially negotiated group rate of $145.

**TECHNICAL PROGRAM INCLUDES SESSIONS ON:**

- Supporting Tourism and Special Events: Traveler Information, Parking, and More...
- Utilizing ITS for Rural Road Safety
- When Cars Talk to the Road: Connected Vehicle and Infrastructure Applications
- Technologies to Support More Efficient Emergency Response
- Educating the Public About Talking Cars (and Other ITS Technologies)
- Urban | Rural and In Between: ITS Planning and Innovative Project Funding
- Using Technology to Solve Tribal Transportation Issues
- Freight ITS in Rural Corridors
- Rural and Small Community Traffic Management Technology — Traffic Signals and More
- Applications to Improve Reliability of Freeways and Arterial Operations
- Rural ITS Weather Applications (Snow, Ice, Fog, Flood, and Dust)
- Developing and Maintaining Public Sector Resources and Work Force
- Next Generation ITS Technology Today

And more …
ITE's Matson and Hammond Mentoring Program

We Want You!

- **Mentors**: Give back to the industry and help younger transportation professionals grow their career
- **Mentees**: Gain valuable insight and coaching to help with your career development

http://community.ite.org/mentoring
Nearly 15,000 Members

Annual Meeting attendance increased 100% in two years.

Leading Edge Initiatives
- Connected and Automated Vehicles
- Smart Communities
- Transportation and Health
- Vision Zero
- Connected and Automated Vehicles
- Vision Zero

New Technical Products
- Trip Generation 10th Edition
- Protected Bikeways Guide
- Context Sensitive Design: Practitioner’s Handbook
- & More.

Balanced Membership
- 45% Public
- 10% Education
- 45% Private

Grass Roots Connections

Securing the Future
- 150 Student Chapters and Growing
- PLUS Student Leadership Summits

Community of Transportation Professionals = Engineers + Planners, Technologists, Policymakers...
IMPROVED WORKFLOW EFFICIENCY & QUICKER NETWORK MODEL PROCESSING
SOLVE COMPLEX NETWORK DESIGN CHALLENGES USING THE UNIQUE LANE-BASED SIDRA MODEL

20% OFF SIDRA SOFTWARE
ENTER CODE: STME18
SIDRASOLUTIONS.COM/STORE
VISIT OUR ONLINE STORE TODAY AND ENTER THE ABOVE CODE TO RECEIVE 20% OFF ANY SIDRA SOFTWARE. OFFER EXPIRES END OF SEPTEMBER 2018.

Save the Date!

Austin 19
Annual Meeting and Exhibit
July 21 – 24
SIDRA INTERSECTION 8

IMPROVED WORKFLOW EFFICIENCY & QUICKER NETWORK MODEL PROCESSING

SOLVE COMPLEX NETWORK DESIGN CHALLENGES USING THE UNIQUE LANE-BASED SIDRA MODEL

20% OFF SIDRA SOFTWARE
ENTER CODE: STME18
SIDRASOLUTIONS.COM/STORE

VISIT OUR ONLINE STORE TODAY AND ENTER THE ABOVE CODE TO RECEIVE 20% OFF ANY SIDRA SOFTWARE. OFFER EXPIRES END OF SEPTEMBER 2018.
Creating lasting connections in your community

With the support from our team of designers, engineers, scientists, and planners from across the globe, we create the connections that get people and goods from here to there - whether by car, bus, train, plane, or their own two feet.

Stantec

Design with community in mind
stantec.com/transportation