

THE COMPREHENSIVE ITEMS

NEWSLETTER OF THE ILLINOIS SECTION
INSTITUTE OF TRANSPORTATION ENGINEERS.

ITEms Edited by: Patrick Jordan (AECOM) - illinoisite.editor@gmail.com

PRESIDENT'S MESSAGE

By Ryan Jacox, Lochmueller Group

Greetings ITE Illinois Section Members and Supporters!

As we start May, it is nice to see that spring appears to finally be sticking around for good throughout the State of Illinois! As usual, the last few months have been busy for the Illinois Section, with the planning and hosting of a variety of events. And, of course, the usual budgeting and other business-related activities continue to keep the Illinois Section Board busy behind the scenes as well.

ILITE Survey

As was done a few years back, we started off this year conducting an ITE Illinois Section Survey that was sent not only to members, but to non-members who had recently attended Section events as well. The goal of this survey was to determine how the Illinois Section Board can work to better align the Section's activities and other offerings with the expectations of our membership and other supporters. We had a great response rate with over 100 people responding to the survey! We tried to incentivize participation a bit by offering three 20-dollar Starbucks gift cards, which were drawn at random from the names of participating survey responders. Congratulations to Chester Kropidlowski, Diana Briones, and Michael Hyland - our Starbucks gift card winners!



Ryan Jacox, P.E., PTOE

The Illinois Section gained a lot of insight regarding the types of events we host, locations where we should try to host more events, and overall how we can try to better appeal to our event attendees. If you have any ideas or would like to help establish an Illinois Section event, please reach out to us. We are always willing to try something new!

Washington Award Dinner - Engineers Week

On February 23rd, I had the opportunity to represent the Illinois Section at the Washington Award Dinner, held at the Donald E. Stephens Convention Center in Rosemont, as part of Engineers Week festivities. This year, the prestigious Washington Award was awarded to Ivan Sutherland, known as the "father of computer graphics". In addition to presentation of the Washington Award, nearly 100 pre-college students were recognized for their participation in various regional STEM competitions. It was a wonderful evening and was very rewarding seeing someone with such an accomplished career encourage young, developing minds as they begin to show interest in engineering-related topics.



Other Recent Events

- The Illinois Section hosted a webinar event on February 27th discussing the FHWA Safety Toolbox. The event was well-attended, with 26 registrations.
- The Annual ILITE Student Day was held at the University of Illinois at Chicago on March 2nd. As in years past, the event brought together students and professionals in a morning career fair, followed by a

- luncheon that allowed students to interact with professionals and ask career-related questions.
- Illinois Section members once again participated in STEMapalooza on March 24th. The event involved professionals teaching Girl Scouts about transportation using a traffic-related game that provides a fun learning opportunity for the scouts.
- On March 28th, the Illinois Section hosted a luncheon at Maggiano's in Chicago with the topic, CMAP: Vision of Future Chicagoland Expressways. Tom Murtha, Senior Planner with the Chicago Metropolitan Agency for Planning, was the event speaker.
- The Illinois Section participated in ASCE's Legislative Day in Springfield, Illinois on April 25th. The event included a luncheon with Illinois Secretary of Transportation Randall Blankenhorn as a primary speaker, followed by an afternoon meeting with Illinois legislators to discuss the importance of finding funding to improve state infrastructure.
- The ITE Illinois Section/ASCE Young Member Group joint Spring Social was held at Point and Feather on May 3rd. The event allowed for networking and fellowship among transportation professionals at a new dart-themed bar in Chicago.

Upcoming Events

- A Snack and Learn Webinar discussing Uncontrolled Pedestrian Crossings is being held at the City of Naperville Municipal Center on May 24th.
- The Annual ITE Illinois Section Golf Outing is currently being planned for Bloomingdale Golf Club on August 17th.
- Stay tuned for other luncheons, socials, and events this summer!

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

This year, the ITE International Annual Meeting and Exhibit is combining forces with both the Midwestern and Great Lakes Districts to host a joint meeting in Minneapolis, Minnesota. Please join your fellow ITE members, along with hundreds of professionals, at the meeting, which will be taking place August 20th through 23rd. I will see you all there! www.ite.org/annualmeeting

I hope to see you at an upcoming ITE event! Enjoy the rest of spring and the start of summer!

Sincerely,

Ryan Jacox, PE, PTOE
Illinois Section President
Lochmueller Group

In this Issue: [Illinois Section News](#) | [ILITE Past Events](#) | [Election Bios](#) | [Professional Development](#) | [Legislative Corner](#) | [Calendar](#) | [Professional Directory](#)

Illinois Section News and Announcements

Technical News and Announcements

By Technical Director Kelly Dunne

Check out the [Upcoming Events](#) section for more news on the May Lunch & Learn on Uncontrolled Pedestrian Crossings.

Keep a look out via email for more upcoming events!

Activity News and Announcements

By Activities Director Thomas Szabo

The Activity Group has been busy planning the 2018 events including the March luncheon (Vision of Future Chicagoland Expressways), Spring Social in May, future luncheon presentation for I-90 Advance Traffic Management (ATM), Summer Social event, Annual Golf Outing in August and additional future 2018 lunch program presentations.

What Has The Illinois Section Been Up To?

February 2018 Webinar: "Finding The Right Tool For The Job: A

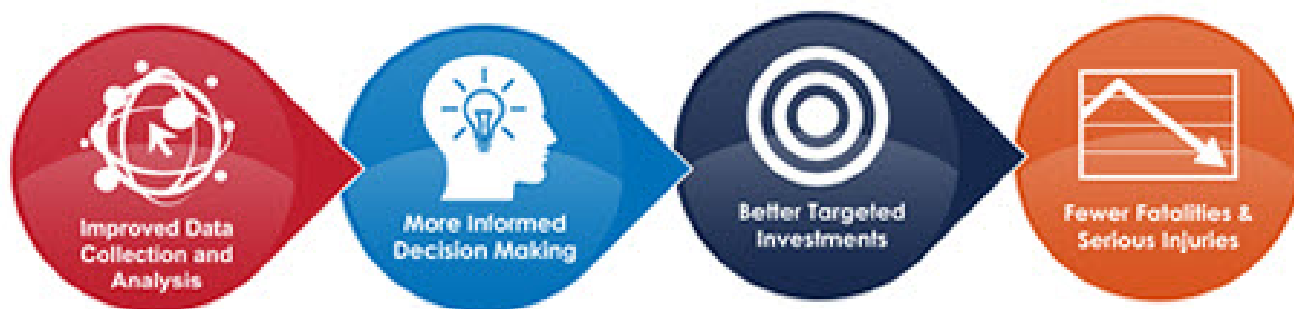
Safety Data And Analysis Toolbox"

By Technical Director Kelly Dunne

On February 27, the Illinois Section of ITE hosted the webinar "Finding the Right Tool for the Job: A Safety Data and Analysis Toolbox." The event was held at Christopher B. Burke Engineering in Rosemont and was well-attended by 23 professionals, including representation from both the public and private sectors. The webinar introduced viewers to the FHWA's Roadside Safety Data Program (RSDP) Toolbox. The Toolbox contains resources that can help agencies build a new or strengthen an existing roadway safety data program.

The webinar was presented by Yanira Rivera, Civil Engineer at the FHWA, and Frank Gross, Safety Engineer at VHB Engineering. After giving attendees background information on the mission and goals of the Roadway Safety Data Program, Ms. Rivera explained the importance of data-driven decision making. The webinar provided a general overview of safety management data and terminology, such as crash severity levels, safety performance function, safety countermeasures, the crash modification factor, and the safety management process (network screening -> diagnosis -> countermeasure selection -> economic appraisal -> project prioritization -> safety effectiveness evaluation). References were made to the Highway Safety Manual, which is expected have a 3rd edition released in 2019 or 2020.

Attendees were then walked through the "Primer on Safety Data and Analysis Toolbox," a support document that explains how to navigate and how to use the Toolbox. The three steps outlined in the Primer were to identify the agency's role and responsibility, to select a task to be accomplished, and to then review the list of available tools. Several examples were demonstrated so that webinar viewers could understand the types of datasets available, how to access them, and how to apply these tools. [Explore the Toolbox](#) and learn how to manage, analyze, collect, and research with the FHWA's safety data.



IL ITE Student Day 2018

The Illinois Section of ITE (ILITE) held the annual Student Day Career Fair + Luncheon on Friday, March 2, 2018 at the University of Illinois - Chicago campus. Student Day is a career fair and networking event targeted at Illinois transportation students and companies.

This year, the morning career fair session was attended by students from several Illinois universities, as well as representatives from seven companies. Students and employers were encouraged to discuss opportunities from full-time, part-time, and even internships during the event. Thanks goes out to all of the companies who attended this year:

- AECOM
- Baxter & Woodman
- Clark Dietz
- Hanson Professional Services, Inc
- HDR
- Jacobs
- Lochmueller Group

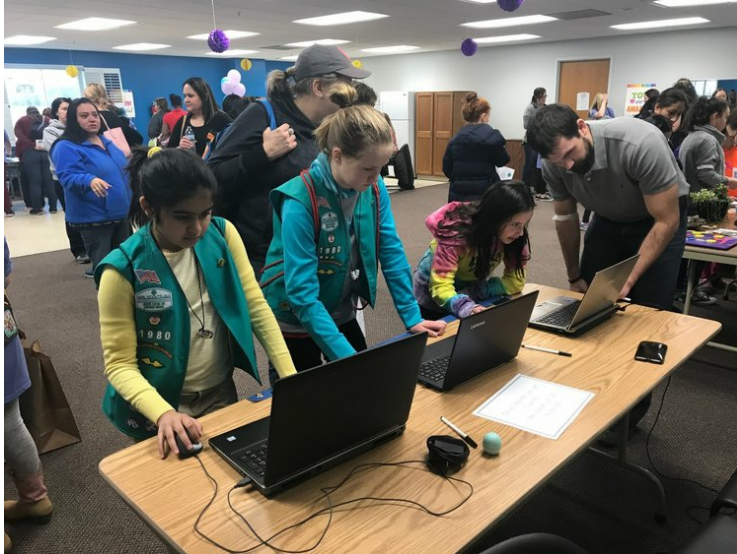
After the career fair portion of students and professionals sat down for lunch where they could talk more informally. Students and professionals were encouraged to sit with each other so that each of the two sides could have representation in the discussions at each table.



The Illinois Section of ITE would like to sincerely thank all of the students and professionals that joined us for this year's Student Day event! The Section always welcomes any comments and suggestions about the Student Day event that may help us improve the event next year and beyond. See you next year!

Girl Scouts 7th Annual STEMpalooza

Illinois ITE attended the 7th Annual STEMpalooza Expo hosted by Girl Scouts of Greater Chicago and Northwest Indiana. This event occurred on Saturday, March 24 from 10:00 am to 2:00 PM at the Friendship Center in Country Club Hills. The goal of STEMpalooza is to inspire girls to explore the fields of Science, Technology, Engineering, and Math (STEM) by providing hands-on activities for the 400 girls who attend. ILITE has collaborated with Girl Scouts for the past few years and hopes to continue inspiring young girls to pursue STEM subjects.



Illinois ITE provided laptops with the traffic control game "Gridlock Buster" available to play. Gridlock Buster is an online traffic control game developed by the University of Minnesota and applies concepts vital to traffic engineering. The game incorporates the concept of delay and queue in a fun and easily understandable way. Players must control the traffic signals to ensure maximum capacity through the intersection. Illinois ITE was able to explain the role of traffic engineers to both the Girl Scouts and the attending parents. Illinois ITE would like to thank the organizers of this fun event and looks forward to future collaborations with the Girl Scouts of Great Chicago and Northwest Indiana.

Thank you to ITE board members Josh Harris and Monica Shei and ITE member Bryce Wegner for volunteering for this event!

Feel free to play Gridlock Buster [here](#).

March Luncheon: Vision of Future Chicagoland Expressways

By Activities Director Thomas Szabo

On March 28th, the ILITE Activities Group hosted the March Luncheon at Maggiano's in Chicago, IL where we had 46 attendees representing both public agency and private consultant organizations. John LaPlante, ITE Complete Streets Council Chair, provided a brief presentation to update attendees on current Council activities.

Mr. Tom Murtha, Senior Planner with the Chicago Metropolitan Agency for Planning (CMAP), provided a comprehensive overview of the Vision for the Northeastern Illinois Expressway System project history, scale and scope, and the reasons why the project has the potential to change the face of the northeastern Illinois/Chicago metropolitan region. The purpose was to create a bold, multimodal, multijurisdictional vision for the northeastern Illinois expressway system and to chart a course for the system to guide future IDOT and Tollway capital programs and operating policies, to address congestion, and to provide game-changing mass transit options.

Project highlights include development of conceptual goals for the system, conducting a planning-level examination of the investments and management strategies needed to improve system condition for specific corridors; and are supported by conceptual engineering and order-of-magnitude cost estimates. Decades of insufficient funding have left the IDOT expressway system in immediate need of improvements nearly everywhere throughout the system.

One of the proposed strategies is to provide a managed lane network that will expand on technologies and improvements recently deployed along the Jane Addams (I-90) corridor. This will mix new capacity with existing capacity, utilize congestion pricing, include identified lanes within corridors for AV/CV, address managed lane termini at system interchanges, and offloading traffic at activity centers. Proposed transit improvements will include express bus, bus rapid transit: bus-on-shoulders services on the expressways, with a focus on managed-lane corridors; enhanced infrastructure and service on existing rail lines; rideshare service enhancements, park-in-ride stations, and integrated travel demand management. Transit infrastructure and transit service funding will come from expressway toll and managed lane revenues. Freight mobility improvements will include sustainable regional truck parking, smart truck stops, improved access to intermodal facilities on I-55 and I-294, and truck platooning and truck lanes along the I-80 Corridor. Also, being considered for a concept study is a 6-mile-long tunnel through Chicago that will provide a bypass from the Kennedy and Dan Ryan expressways and include 3 traffic lanes in each direction (stacked vertically). Addressing neighborhoods is key focus as well. Infrastructure including transit stations will blend in the environment with pedestrian friendly features. The initial cost to implement in 2017 dollars is estimated to be approximately \$27

billion with the total project cost expected to be as much as \$77 billion when including operating, life cycle, full scale tolling and transit investments costs.

ILITE & ASCE YMG Spring Social

By Activities Director Thomas Szabo

On May 3, 2018, the ILITE Activities and ASCE Young Member's Groups hosted the 2018 Spring Social at Point & Feather in Chicago, IL where we had attendees representing both public agency and private consultant organizations. This event, which was free to attendees provided an excellent opportunity for attendees to network with fellow transportation colleagues as well as just have some after work fun.

ITE News and Announcements

Joint ITE International and Midwest/Great Lakes District 2018 Annual Meeting and Exhibit

What: ITE 2018 Annual Meeting and Exhibit

When: August 20 - August 23, 2018

Where: Minneapolis, Minnesota

Theme: Inspiration. Connections. Knowledge

The program has been released! Check out the [website](#) for more information on plenary sessions, poster presentation, technical tours and workshops. Featured technical tours include:

- The University of Minnesota Human Factors Lab
- I-35W Construction Tour
- Walking Minneapolis - All Modes Are Welcome
- 3M Innovation Center: The Magic of Innovation
- Biking Minneapolis

Save money by registering before June 29th!



Transportation Literature Series

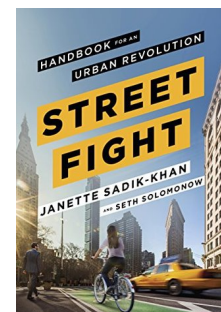
Compiled by Patrick Jordan, AECOM

New to the quarterly ITEms newsletter is the Transportation Literature Series featuring non-fiction books related to the evolution of transportation, stories of iconic transportation projects and more! Inspiration for this section stemmed from recommendations posted to the [ITE community forum](#). This series of books revolves around the history of innovation and how New York City streets have transformed through the years.

Streetfight: Handbook for an Urban Revolution

By Janette Sadik-Khan and Seth Solomonow

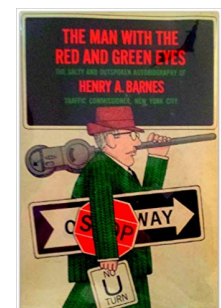
Janette Sadik-Khan, former Transportation Commissioner of New York City Department of Transportation under Mayor Michael Bloomberg co-authored *Streetfight*, which documents the transformative techniques that reinvented street space throughout the city. From taking the most dynamic portions of the city and reallocating the space Sadik-Khan highlights her experiences in creating safer spaces for both pedestrians and bikers. The book delves deeper into the successes and failures of her time in office as she attempted to raise a new perspective on the streets of New York City.



The Man With the Red and Green Eyes: The Autobiography of Henry A. Barnes: Traffic Commissioner NYC

By Henry A Barnes

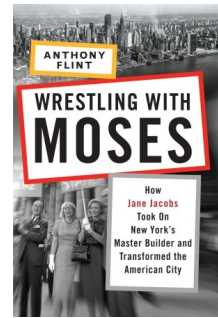
Henry Barnes was a traffic engineer and commissioner who served in Flint, MI; Denver, CO; Baltimore, MD and New York City. He is well known for heavily promoting the "Barnes Dance" or what many often refer to as the Pedestrian Scramble. Throughout his time as a traffic engineer, Barnes developed innovative solutions that oftentimes only utilized a can of paint. "There's more traffic control in a pail of paint than in almost anything else," was a common line of his. His autobiography was published in 1965.



Wrestling with Moses: How Jane Jacobs Took On New York's Master Builder and Transformed the American City

By Anthony Flint

A rivalry between Robert Moses, New York City's "Master Builder" and Jane Jacobs, the urban renewal activist and writer captures the battles that took place against government plans and how strong support helped save New York City from the construction of the elevated superhighway, the Lower Manhattan Expressway. Moses believed the automobile and expressways was the solution to a declining city. Jacobs thought otherwise, seeing the value in neighborhoods and the community. Two passionate individuals with very different perspectives; Anthony Flint explores how their philosophies collided.



Professional Development Seminars

TRB Webinar

The Transportation Research Board (TRB) hosts several conference recording and webinars on their site. The recordings and webinars cover a wide range of topics in the transportation field. Select, live webinars are available for Professional Development Hours (PDH). Check out the TRB Webinar and Conference Recording Program [HERE](#).

ITE Web Seminars

Several ITE webinars are available through the [ITE Learning Hub](#). Log in today to check out upcoming events.

T3 Webinars

Talking Technology and Transportation (T3) Webinars are designed to help agencies feel confident about deploying ITS technologies as a means to address challenges in their transportation systems. These free, 90-minute, interactive online meetings offer knowledge sharing on topics related to ITS planning, design, procurement, deployment, and operations. T3 current and archived webinars are available [HERE](#).

Legislative Corner

Compiled by Monica Shei, Jacobs

Dockless Bikes

[Dockless bikes](#) are coming to Chicago! The 6-month pilot program will begin on May 1st and will bring new [mobility options](#) to the city's Far South Side. Does this mean dockless [scooters](#) are on the way?

ENR Top 500 Design Firms

[ENR](#) has released its 2018 list of top 500 design firms.

Rectangular Rapid Flashing Beacon Interim Approval

The FHWA has granted IDOT [state-wide blanket interim approval](#) for the use of Rectangular Rapid Flashing Beacons (RRFBs).

Upcoming ITE Events

Stay tuned for exciting training and webinars for later this spring. Check out our ILITE Event calendar for ILITE events and other transportation events happening!

[ILITE Event Calendar](#)

May Snack & Learn - Uncontrolled Pedestrian Crossings

When: Thursday, May 24, 2018; 1:30 pm - 3:00 pm

Want to advertise?

Place your card in ITEms by contacting:
William Eidson
illinois.ite.ads@gmail.com

Hey Section Member!

Get involved! There are open positions in the Student Affairs Group, the Activities Group, the Technical Group, and the Public Affairs Group. To volunteer on an ILITE committee, contact the group's director.

Do you have a news-worthy story?

Tell ITEms all about it! Send your article submissions to the editor: Patrick Jordan
illinoisite.editor@gmail.com

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Refer a Friend!

The Illinois Section will send an issue of ITEms to your friend or business acquaintance who may be interested in joining ITE. Email the contact information to the editor at:

illinoisite.editor@gmail.com

The contact will be provided membership information and acknowledgement of your referral.

ITEms is the official publication of the Illinois Section of ITE. Opinions expressed herein do not necessarily reflect official

Where: Naperville Municipal Center (400 S Eagle Street, Naperville, IL)

The Illinois Section of ITE is hosting a webinar event for the benefit of ITE members and guests. The event will be shown at the City of Naperville Municipal Center and 1.5 PDH's will be available to attendees after the webinar. Light refreshments will be served and networking with fellow transportation professionals is encouraged.

With the recent recension and reintroduction of interim approval for the Rectangular Rapid Flashing Beacon (RRFB), a lot of attention has been drawn to the wide range of enhancements available for uncontrolled pedestrian crossings. Edge-lit warning signs, circular beacons, knock-down signs, flash rates... our toolbox continues to grow, but how are these devices actually used in practice?

ITE has created an Uncontrolled Pedestrian Crossings working group focused on this critical safety issue for members, with this webinar being the first effort. This webinar will feature perspectives from two local agencies, Seattle and Des Moines, as well as the Florida Department of Transportation, and how these agencies are addressing their uncontrolled crossings. This webinar is co-sponsored by the ITE Complete Streets Council and the Transportation Council.

At the conclusion of this webinar, participants will have:

- Learned about the wide variety of treatment options for uncontrolled pedestrian crossings.
- Experienced how a variety of jurisdictions are addressing safety at their uncontrolled crossings.
- Reviewed the safety research that has been conducted and what additional research is needed on uncontrolled crossing countermeasures.

Reservation Deadline: Tuesday, May 22nd, 2018 at 5:00pm
Register [HERE](#)

ILITE, WTS, and ITS Midwest Annual Golf Outing

When: Friday, August 17th, 2018

Where: Bloomindale Golf Club (181 Glen Ellyn Rd, Bloomingdale, IL)

The annual golf outing will be co-sponsored by ILITE, WTS and ITS Midwest. Look out for more information coming soon!

Institute or Illinois Section policy unless so stated. Advertisements do not constitute en-dorsements of products or services.

ILITE Officers

The success of the Illinois Section is due to the hard work of our volunteers who serve on the Executive Board, as Group Directors, and on our many committees.

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You can read more about our officers' Roles & Responsibilities and download the many materials that they produce to keep our section running by clicking on the links above.

There are several open committee positions! Get involved today!

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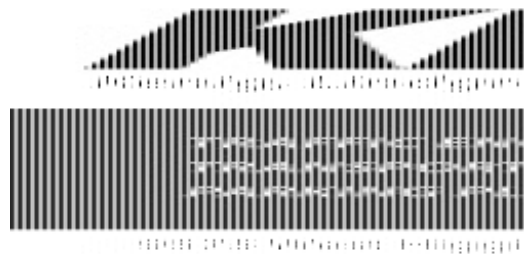
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