

State of ITE

2017 Annual Business Meeting Report



A Community of Transportation Professionals

Prepared for the ITE Annual Business Meeting
Toronto, ON, Canada
July 31, 2017

Executive Officers' Report

THE INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) is strongly positioned to lead at this time of unprecedented change in the transportation industry. Though our many programs and initiatives, ITE is “Out Front” of a dynamic transportation landscape as we work to improve mobility and safety and do our part to build smart, sustainable, and livable communities. The International Board of Direction has launched several critical initiatives since last year’s 2016 Annual Business Meeting in Anaheim, CA, USA.

The Board identified the following six focus areas for 2017:

- Vision Zero;
- Smart Communities;
- Connected and Automated Vehicles (CV/AV);
- Transportation and Public Health;
- Modernizing Trip Generation; and
- Expanding ITE’s Global Reach.

The Annual Business Meeting report, consisting of this Executive Committee report and the Executive Director’s operations report, provides some highlights of the work underway. More information and a full Annual Report will be released in the December 2017 issue of *ITE Journal*.

ITE “Out Front” of Smart Communities

Smart Communities apply data-driven thinking to the business of planning, designing, building, operating, and maintaining public assets. Smart Communities enhance quality-of-life in real-time. In January 2017, ITE developed a Smart Communities Task Force, led by Eric Rensel and Kris Milster, that was given the charge to meet with our membership at the spring ITE District meetings and, based upon that input, develop a strategic direction for ITE in this area. A draft plan has been created by this group and is being presented to the International Board of Direction at the Joint ITE/CITE 2017 Annual Meeting and Exhibit in August.

At the same time, ITE is undertaking a number of activities to educate our members on Smart Communities. The October 2016 ITE Talks Transportation podcast featured Thea J. Walsh from the Mid-Ohio Regional Planning Commission, who talked about the Columbus, Ohio Smart Cities Program and the Columbus region’s experience since winning the U.S. Department of Transportation Smart City Challenge in 2016. A series of podcasts focused on Smart Communities has now kicked off with the June 2017 episode featuring Vik Bhide from the City of Tampa, Florida, who speaks about the Hillsborough Metropolitan Planning Organization’s Smart Community program featuring Tampa’s connected Vehicle Pilot program, the Marion Transit Way Autonomous Shuttle Service project, and the region’s Smart Lighting project. Five more episodes focused on Smart Communities are in development through November 2017, with several tie-ins to ITE Journal articles. ITE is also featuring a strong Smart Communities pathway at the Joint ITE/CITE 2017 Annual Meeting and Exhibit.

ITE “Out Front” on Transportation and Health

Transportation plays an important role in health, well-being, and quality of life. Healthy choices are ultimately an individual responsibility, but we all play a role in providing access to healthy transportation options. We enable healthy decisions by making walking and bicycling feasible through intermodal connections that are well maintained, safe, and secure. We need to build infrastructure, but also maintain and clear snow from walkways and bikeways, provide lighting to improve safety, and work with planning agencies to offer amenities such as bike storage and showers. Transit connections to resources such as markets and health facilities can have powerful impacts on community health.

ITE is addressing these issues through our new transportation and health initiative. In January 2017, the International Board of Direction approved the formation of a Transportation and Health Task Force led by ITE Immediate Past President Paula Flores to investigate the connection between transportation and health and recommend additional activities that ITE should undertake. This Task Force is made up of both transportation and public health experts and includes professionals from the Centers for Disease Control and Prevention (CDC) and the American Public Health Association (APHA). ITE has begun undertaking activities to educate our members in this area such as the November 2016 podcast featuring Karyn Warsow from the Transportation Public Health Link and the May 2017 joint podcast with the Chartered Institution of Highways & Transportation (CIHT) featuring Lucy Saunders from Transport for London and Dale Bracewell from the City of Vancouver, who discussed implementing health and transportation initiatives. Two transportation and health webinars have been held to date and more are planned. ITE is also featuring a strong Transportation and Health pathway at the Joint ITE/CITE Annual Meeting and Exhibit. Look for much more to come in this area.

ITE “Out Front” on Vision Zero

Safety is one of our most important jobs. Preliminary estimates by the National Safety Council (NSC) are that 40,000 Americans lost their lives to road crashes in 2016, up from the 2015 NSC estimate of 37,757. To put it into perspective, that is the equivalent of a fully-loaded 737 aircraft crashing 4 to 5 days per week. The National Highway Traffic Safety Administration estimates that motor vehicle traffic crashes were the leading cause of death of Americans age 16–24 in 2014, and the second leading cause of death for Americans age 4–15. The World Health Organization estimates there were 1.25 million road traffic deaths globally in 2013. We must do better, and we can.

ITE’s efforts toward zero roadway deaths continue to be led through the ITE Vision Zero Task Force led by Richard Retting (Task Force Chair), Andrew Kaplan (Technical Working Group Chair), Steve Lavrenz (Technical Working Group Staff Liaison), and Robert Wunderlich (Vision Zero Toolbox). This group released the Vision Zero Website and Safety Resources Toolbox in April—an online, searchable database containing nearly 700 best practices, analytical techniques, policy guidance, and communication and educational tools. ITE also continues to educate members on transportation safety through a robust workforce development program and is featuring a strong Vision Zero pathway at the Joint ITE/CITE 2017 Annual Meeting and Exhibit.



Shawn J. Leight, P.E., PTOE, PTP (F)
International President



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



Paula Flores (F)
Past International President

ITE Constitution Updates

A major initiative undertaken by the International Board of Direction in 2017 is an update of the ITE International Officer Nomination and Election Process and membership updates to the Constitution, which have been sent to all members for review and prepared for discussion at the 2017 Annual Business Meeting. These amendments have been developed with input from a wide variety of constituent groups in the organization. The amendments were studied carefully by a variety of constituent groups including the Membership, Nomination and Elections, and Constitutional Amendments Committees in the organization. The Constitutional Amendments Committee, Executive Committee, and International Board of Direction are unanimously in support of passing them. In general, the proposed amendments help to accomplish two major goals for ITE:

- The first goal is to make ITE more inclusive to the broader transportation community. You will note the elimination of the “Institute Affiliate” membership grade and transition from references of “transportation engineer” to “transportation professional.” These changes will help grow the Institute and position ITE to have a stronger voice on the important transportation issues facing our profession and communities.
- The second goal is to change the election process for International Vice President to remove barriers that are keeping highly qualified candidates from volunteering for this position. The recommended changes will shorten the election cycle, lessening the burden on the candidates and allowing the successful candidate to attend District Meetings in the spring.

ITE members eligible to vote on these amendments can expect to receive the ballots within 30 days following the August ITE Annual Business Meeting, and voting will take place between 30 and 45 days following their submission to the membership. You have placed your trust in the elected leadership of the Institute to evaluate the Institutes needs and sustainability, we are now seeking your support of these fundamental changes that will enable our organization to prosper. I thank you in advance for taking the time to participate in this important governance process for the Institute. Results from the ballots will be shared through all of ITE’s communication channels once the process is complete.

Leadership and Collaboration

ITE continues to expand upon programs that develop leaders within the transportation profession and in our communities. Highlights on two of these activities are discussed below.

Students

More than 100 ITE Student Chapters have participated in the ITE International Collegiate Traffic Bowl program since the program was introduced in 2009. The new Voigt/Davis Cup was awarded to Purdue University at the 2016 Grand Championship in Anaheim, CA, USA. Another student initiative, the ITE Student Leadership Summit Program, was started in 2014 in the Western District by the Cal Poly San Luis Obispo Student Chapter as a “Conference by Students-for Students.” This program has since spread to the Great

Lakes/Midwestern Districts and planning is underway to bring the program to District 10 (Florida and Puerto Rico) and the Northeastern District in 2018. Information on upcoming Student Leadership Summits is provided here:

- Midwest/Great Lakes Districts: September 15-17, 2017, Purdue University
- Western District: January 19-21, 2018, Corvallis, Oregon
- District 10 (Florida and Puerto Rico): February 10-11, 2018, University of Florida at Gainesville
- Northeast District: Date TBA, University of Massachusetts-Amherst

Expanding Global Reach

ITE's Global District is leading collaborations with international organizations to enhance member resources and expand the ITE footprint globally. In April, ITE signed a Memorandum of Understanding (MOU) with the United Kingdom's Chartered Institute of Highways and Transportation (CIHT) for cooperation and collaboration on matters of common interest relating to highways and transportation. CIHT leadership will be attending the Joint ITE/CITE 2017 Annual Meeting and Exhibit, and CIHT also participated in a joint podcast with ITE members as part of the information exchange between our organizations. ITE is pursuing a similar MOU with the Federación Mexicana de Colegios de Ingenieros Civiles (FEMCIC), Korean Society of Transportation (KST), and Hellenic Institute of Transportation Engineers in Greece.

This report is only a highlight of many ITE activities. We are delighted to have such a robust program, which is only possible through the hard work and leadership of so many member volunteers. Thank you for these efforts and for your trust in the elected leadership. It is an honor and a privilege to serve ITE, the transportation profession, and our communities.



Executive Director's Operations Report

WE ARE IN THE EARLY STAGES of a period of rapid and transformational changes in transportation. These changes are being driven by the emergence of new technologies, new industry partnerships, and new business models. They are taking shape through advances in connected and automated vehicles (CV/AV), the internet of things, and a vision for mobility-as-a-service. The changes are also being spurred by the demand for livable, sustainable communities that promote healthy lifestyles, a desire for increased transportation choices, and the need for personal connectivity. New technologies and shifting demographics are changing the way people think about and use transportation, and our profession likewise must change to meet society's expectations.

Building on the groundwork laid in 2016 to create a “new” ITE, we have continued to use our four cornerstones in 2017 as a guide to meet the needs of our membership in navigating these changes:

- Recognized—ITE is recognized as a leader by the transportation community;
- Relevant—ITE is seen as relevant to address key transportation issues in the United States and internationally;
- Value-Added—ITE adds value to its members and is a go-to source for transportation professionals; and
- Connected—ITE connects its members to each other and to our partner organizations.

These cornerstones are reflected in our work within the International Board of Direction's six focus areas: Vision Zero, Smart Communities, CV/AV, Transportation and Public Health, Modernizing Trip Generation, and Expanding ITE's Global Reach. I believe these cornerstones have built the foundation for change within ITE that can be seen through renewed energy on many new initiatives, continued growth in membership as we approach 15,000 members, and new partnerships and collaborations that are extending our reach.

New Products

ITE headquarters has been implementing changes and improvements to our products and services in the six focus areas, including the way we develop and deliver them, to help our members keep up with and influence the leading-edge trends in transportation. The Vision Zero Website and Safety Resources Toolbox, the 10th Edition of the ITE *Trip Generation Manual*, and the newly released *Protected Bikeways Practitioners Guide* are three prime examples of resources that ITE produced in 2017 to equip our members with the knowledge and tools you need to be successful in this changing landscape.

The Vision Zero Website and Safety Resources Toolbox was released in April 2017, less than a year after ITE announced our commitment to aggressively address the growing transportation safety problem through the establishment of a Vision Zero initiative and Task Force. Led by

ITE Past International President Robert Wunderlich, development of the Safety Resources Toolbox involved reaching out to ITE members through ITE Community for resources, yielding nearly 700 responses that were then categorized and entered into the tool's database. While developing this groundbreaking product, ITE's work on Vision Zero has also included several ITE Talks Transportation Podcasts, Learning Hub webinars, and ITE's participation in the new Road to Zero initiative, sponsored by the U.S. Department of Transportation and led by the National Safety Council, on which I serve on the Steering Committee.

The 10th Edition of the *ITE Trip Generation Manual*, which begins shipping in September, is much more than an updated hardcopy reference book; it is the culmination of a year's effort to modernize, update, expand, and improve a widely-used reference and core ITE product. Members can now access trip generation information in the form that works best for them, as information will be available in hard copy, electronic, and cloud-based formats, including through a new Web-based app. Also, for the first time, the 10th edition differentiates among data collected for urban, suburban, and rural sites and provides a new source of urban data that are both vehicle- and people-based. The enhancements to the content are the result of a very successful data collection effort that was aided by a new online data collection tool that yielded new data from more than 1,800 sites, expanding the existing database by more than 35 percent. This effort has combined staff and volunteer work, with ITE Past International President John Kennedy leading the volunteer group that helped guide the Manual's strategic direction.


The *Protected Bikeways Practitioners Guide* reflects ITE's commitment to more diverse and active transportation alternatives, while also showcasing a new model for ITE to produce timely resources that benefit practitioners. Through the combined efforts of Complete Streets Council members Tyler Golly and Ryan Martinson and ITE headquarters staff, the Guide was developed in just over six months based upon six lectures that were delivered and are available through ITE's Learning Hub webinar program.

New Learning Management System (LMS)

Another major effort to improve member services is the development of a new Learning Management System (LMS) that was launched in May 2017. This new LMS provides members with greater functionality and an enhanced user capability that ultimately



Jeffrey F. Paniati, P.E. (F)
Executive Director and Chief Executive Officer



maximizes your educational experience in the ITE Learning Hub. With ITE's Learning Hub having been enhanced with more content on timely topics, the new LMS provides a better and more user friendly format for accessing that content while tracking and keeping records of your professional development hours. With support from a new Professional Development Committee under the Coordinating Council, we have established a ready pipeline of ideas and support for the development of webinars. This committee is helping to ensure that we are developing and delivering leading-edge content that is meeting member needs.

Better Connected

ITE is extending its presence, reach, and impact by collaborating with other organizations, from long-standing partners such as the American Association of State Highway and Transportation Officials and the Intelligent Transportation Society of America, to newer partners that have emerged rapidly in response to evolving community or professional needs, such as the National Association of City Transportation Officials (NACTO), the Association of Pedestrian and Bicycle Professionals, and the Vision Zero Network. These organizations are part of ITE's technical and social programming, creating new and expanded products and networking experiences.

In 2017, ITE signed several new Memorandums of Understanding (MOUs) with organizations to advance information sharing and combine resources for efforts of common interest, in addition to the MOU signed with the Chartered Institution of Highways & Transportation (CIHT). ITE signed an MOU with the National Network for the Transportation Workforce (NNTW) for a collaborative working partnership to promote an increasingly skilled professional transportation and engineering workforce. The partnership agreement will allow ITE and the NNTW to formally address a looming labor shortage.

Another MOU ITE signed is with American Center for Mobility (ACM). This non-profit corporation is a CV/AV testing and product development facility designed to convene and accelerate the development of standards for the mobility ecosystem that includes CV/AV and extends to include the communication network, systems providers, and road and infrastructure systems. ITE and ACM have mutual objectives in vehicle and road safety for the acceleration of development and deployment of CV/AV technical standards. We anticipate a reciprocal benefit from the MOU to achieve the goals of improving influence and innovation and promoting the development of technology.

In addition to sharing resources and information, joining forces with partner organizations is enabling ITE to strengthen our voice on topics that affect our members' work. For example, in 2017, ITE continued its work with the Federal Highway Administration (FHWA) to advocate for changes to the Manual on Uniform Traffic Control Devices (MUTCD) that recognize recent advancements in practice. Working with the members of the ITE Delegation to the National Committee on Uniform Traffic Control Devices and organizations such as NACTO and People for Bikes, ITE identified a series of high priority actions-Interim Approvals (IAs) that could be taken by FHWA to advance the MUTCD. So far in 2017, FHWA has announced actions that address two of the prioritized areas ITE identified. ITE remains committed to working with FHWA to provide additional input as needed and will continue to inform, educate, and train our members on the applications and implementations of the MUTCD.

Stronger Community: One ITE

While we have strengthened our relationships with outside organizations, we have also continued to strengthen our internal communication and processes within all of ITE. We have been working to integrate the grass roots efforts of our Districts, Sections, and Chapters with the strategic initiatives established at the International level so that there is a unified ITE working in concert through its many parts. We have been accomplishing this through regularly scheduled teleconferences between ITE headquarters leadership and District/Section/Chapter leadership, as well as more opportunities for members to connect virtually with ITE members and staff outside of their local area. We also facilitated more unified branding of ITE products and groups across the organization.

We have also put into place new models for hosting meetings that bring members from different geographic areas together that might not normally have the opportunity to gather in person. The spring International Board of Direction Meeting was held in conjunction with the Texas District meeting. The Joint ITE/CITE 2017 Annual Meeting and Exhibit is our showcase example this year of how this synergy can produce an event that far exceeds what is possible if ITE International or the District were working alone. We look forward to continuing to enhance and grow the One ITE approach.

Renewed Pipeline and 15K Membership Campaign


We have been making efforts to renew our pipeline of members and leaders rising from all levels of participation. *LeadershipITE* is now in its fourth successful year with 100 graduates as of this August 2017. Through *LeadershipITE*, we are identifying, developing, and engaging the next generation of leaders who will shape the future of transportation both within ITE and their communities. Graduates of this program are making many significant contributions in the leadership of ITE and the transportation profession. Through the generous donations of individuals and organizations to our newly established ITE Legacy Program, for the first time in 2018 we will be offering two *LeadershipITE* scholarships, ensuring all ITE members can have the opportunity to participate in this valuable program.

In addition to supporting our active ITE student member population to continue the steady growth of ITE'S community of transportation professionals, we have been conducting a 15K Membership Campaign to bring ITE's membership to 15,000 members by the end of 2017. Kicked off in March 2017, the campaign is already 57 percent complete towards meeting this goal, with 284 new members joining ITE since March. I would like to thank all the members, Sections, and Districts working to help us meet our goal, and I encourage you all to continue to spread the word about the value of ITE membership to your colleagues and peers.

Moving Forward

As I look forward to the remainder of 2017 and beyond, I see opportunities to build off of our successes and continue to enhance the ITE cornerstones—relevant, recognized, value-added, and connected. To do this I believe we must:

- Be strategic—look outward and ensure we are staying at the forefront of our profession and seizing opportunity;
- Increase our visibility—tell our story, ensuring both members and non-members see the wide-range of activities underway at ITE;

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- Strengthen and expand our partnerships—collaborating with sister organizations in the United States and around the world to increase the value and influence of ITE;
 - Continue to grow and diversify—we strive to be a community of transportation professionals with room for all who are working to address today and tomorrow’s transportation challenges;
 - Continue to modernize—embracing new tools, ideas, and methods in the way we run ITE and deliver services to our members; and
 - Rebuild a financial safety net—continue to recover from the Great Recession. We have turned the corner financially and must continue to rebuild our reserves and ensure financial stability for the years to come.

This is an exciting time to be a part of the changing transportation landscape and ITE’s community of transportation professionals. This report provides only a high-level overview of all the work, partnerships, and initiatives ITE has started in 2017. I invite you to stay informed through all of our communications channels—ITE Spotlight, *ITE Journal*, our website, ITE Community, and our social media channels—to be up-to-date on all of our efforts and to access our many resources. I welcome your feedback as we head into 2018. Please email me at jpaniati@ite.org and engage with me in discussion through ITE Community and on Twitter at [@JeffPaniatiITE](https://twitter.com/JeffPaniatiITE).

In Memoriam

ITE remembers all the members whose passing we learned of in the past year. We recognize them for their contributions to ITE and the profession.

Jack W. Anderson, P.E. (F) of Oceanside, CA, USA passed away on July 11, 2016. He was a Life Member of ITE.

Roger W. Allington, P.E. (F) of Bellevue, WA, USA, passed away on August 3, 2013. He was a Life Member of ITE.

Grant A. Bacchus, P.Eng. (F) of Richmond Hill, ON, Canada passed away on October 16, 2016. He was a Life Member of ITE.

Perry W. Banks, TOPS, TSOS (M) of Atlanta, GA, USA, passed away in December 2016.

Martin M. Blachman, P.E. (F) of Skokie, IL, USA, passed away on July 28, 2016. He was a Life Member of ITE.

Ralph D. Clare, P.E. (M) of Roseville, MN, USA, passed away on November 18, 2016. He was a Life Member of ITE.

Paul E. Conrad, P.E. (F) of Columbia, SC, USA, passed away on September 9, 2016. He was a Life Member of ITE.

Robert W. Crommelin, P.E., PTOE (H) of Palm Desert, CA, USA passed away on July 20, 2017. He was an Honorary Member of ITE.

Olin K. Dart Jr., Ph.D., P.E. (M) of Baton Rouge, LA, USA passed away on November 18, 2015. He was a Life Member of ITE.

Earnest W. Elliott (F) of Rochester, MI, USA passed away. He was a Life Member of ITE.

Roy H. Fielding (F) of Newport, OR, USA passed away on July 20, 2017. He was a Life Member of ITE.

Dwight L. Fox, P.E. (F) of Baton Rouge, LA, USA passed away on April 6, 2017. He was a Life Member of ITE.

Richard C. Gern, P.E. (F) of Saint Germain, WI, USA, passed away on February 5, 2014. He was a Life Member of ITE.

David R. Griffin, III, P.E., (M) of Tuscaloosa, AL, USA passed away on March 29, 2016.

Mel J. Hirayama, P.E. (M) of Honolulu, HI, USA passed away on April 16, 2017.

Herbert (Herb) S. Levinson, P.E. (H) of Wallingford, CT, USA, passed away on February 17, 2017. He was an Honorary Member of ITE.

Joseph A. Mickes, P.E. (M) of Jefferson City, MO, USA passed away on September 25, 2016. He was a Life Member of ITE.

R.V. Moss of High Point, NC, USA (F) passed away on January 27, 2017.

Lauren S. Nickles (M) of Birmingham, AL, USA passed away on March 1, 2017.

Clifford Y. Nohara, P.E. (F) of Honolulu, HI, USA passed away on October 4, 2016. He was a Life Member of ITE.

Kraig E. Shrewsbury, P.E., PTOE (M) of Delaware, OH, USA, passed away on February 22, 2017.

Lesley J. Swirhun, P.E. (M) of Boulder, CO, USA passed away in September 2016.

Edward S. Tobey, P.E., T.E. (M) of Antelope, CA, USA, passed away on July 24, 2016.

Letters in parentheses after individuals' names indicate ITE membership status: S—Student Member; IA—Institute Affiliate; M—Member; F—Fellow; and H—Honorary Member.



A Community of Transportation Professionals

ITE Today

At a Glance

- Founded in 1930
- More than 14,500 members worldwide
- Member Split:
 - 43% public sector members
 - 46% private sector members
 - 11% academics and students
- Multifaceted
 - 10 Districts
 - 58 Sections
 - 31 Chapters
 - 140 Student Chapters
 - 9 Councils, 9 Standing Committees, 6 Subcommittees, and 3 Task Forces
 - 90 Countries

ITE Helps Fulfill the Mission of Our Members by:

- Helping You Find Solutions
- Keeping You in the Know
- Growing Your Career
- Creating Connections
- Making Your Voice Heard