

JOIN THE CITE
TRAINING COMMITTEE

MEMBER HIGHLIGHT:
KATE WHITFIELD

NEW CAREER
CONNECT INITIATIVE



transportation TALK

Quarterly Newsletter of the CANADIAN INSTITUTE OF TRANSPORTATION ENGINEERS
INSTITUT CANADIEN DES INGÉNIEURS EN TRANSPORTS
(a Canadian Non-Profit Corporation)

CITE 2020 Excellence in Transportation Awards

Celebrating CITE's outstanding award winners and scholarship recipients

2021 Virtual Annual Conference

Save the date for CITE's 2021 Annual Conference and submit your ideas to the Call for Abstracts

The Plus 15 Network Study

Irini Akhnouk profiles the 2020 Stan Tepy Outstanding Technical Project Award winning network plan to improve the Plus 15 pedestrian skywalk system in Calgary

Moving forward after the pandemic

Justin Swan shares insights from city building professionals on how COVID-19 will shape urban planning and transportation and how we can build resilience for the future

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president's ponderings



Julia Salvini, P.Eng.
Canadian District President
president@cite7.org

The view in fall 2020 is very different from the view in fall 2019. When I look back at the year we had planned and compare it to the year we've experienced, there is some stark contrast. On the downside, 2020 meant not meeting in person at our Annual Conference, which was a disappointment for many reasons. But when I look at the things we had planned in the fall of 2019, I'm pleased to see the success our organization has achieved. Here are a few highlights:

- Sections and Student Chapters across the country have been doing exciting things. Events early in the year drew strong attendance and a wide breadth of topics. Later, as events transitioned online, we saw sections taking advantage of the virtual platform by bringing in speakers from out of town and marketing to a broader geographic audience.
- Recognizing the constraints of planning for the in-person conference we had scheduled for Hamilton in June 2021, the CITE Board has decided to move the conference online. A National Arrangements Committee has been put together and is being led by James Donnelly out of Kelowna. If you've experienced a really excellent virtual conference or an online networking event that you thought was meaningful, we would love to hear from you as we develop our plans. Send your ideas to conference@cite7.org and submit to the [Call for Abstracts](#) closing December 16.
- Our strategic plan has been updated and the CITE Board is well into the implementation phase. They have been able to take advantage of the downtime around the conference to start work on developing new governance documents and look at how better to support our students virtually.
- We have appointed CITE representatives to many ITE Committees and Councils to bring our unique Canadian perspective to the work of ITE. They've already participated in their first meetings and are excited about how we can connect with the efforts of ITE.
- Many Canadians were able to participate in ITE International's Annual Meeting virtually, an event that was successful in so many ways. And we won an award! CITE received the inaugural ITE District Innovation Award based on the great work of the organization in the last year.
- Our [Career Connect with Kate](#) initiative has launched and grown into a valuable resource for people looking to work in transportation in Canada.
- Canada continues to be well represented in the *Leadership*ITE program with two recent grads (congratulations Garreth and Amy!) and two people joining the class of 2021. We know Tanya and Eric will make us proud.
- We congratulate [seven Canadians](#) for attaining their PTOE and RSP1 designations through the [Transportation Professional Certification Board](#). If this is something that you are interested in pursuing in the next round of exams in February 2021, applications are due December 3.
- Our volunteers continue to enhance the value of our organization and adapt to the changing times. Thank you to our TAC appointees who met virtually with their committees for the second time this fall. Thank you to our Training Committee members who are now planning to take our training efforts online. Thank you to our TLC who responded to a new ITE technical award program in very short order. A special thanks goes to Irimi Akhnoukh for her leadership as Chair of the TLC over the

president's ponderings

last two years and a welcome to incoming Chair Mars Otten-Andrew. Thank you to our new ITE appointees who are just beginning their journey with us. Thank you to our CITE Board for their exceptional work in developing a new strategic plan and leading this organization through this time of uncertainty. Thank you to our Section and Chapter leadership who find new ways to engage with our membership at the local level.

- New opportunities to volunteer with CITE are here and more are coming. We are currently looking for volunteers to join our [Training Committee](#), and opportunities will be open shortly for the Technical Liaison Committee and CITE Appointees to TAC Committees.

At this time of uncertainty and about halfway through my mandate as President, I am pleased to be sitting on the CITE Executive with such a wonderful group of people. Jen, Edward, Ryan, and Pedram, I am grateful for your vision, your support, your passion for CITE, and your friendship. Steven and Evonne, we could not do what we do for this organization without you. Thank you for guiding us, for your consistent efforts, and for helping us find ways to be as effective for our membership as possible—and for doing it with humility and a smile.

And to each of our members across this great country: thank you for all you do to add value to the organization. The connections and depth that each of you brings to CITE make this a place where people can continue to learn, connect, contribute, and grow.



Julia Salvini, P.Eng.
Canadian District President

CITE wins ITE International's inaugural District Innovation Award



Launched in 2020, the ITE District Innovation Award recognizes the District that has implemented an innovative program of District leadership to provide support and programming to its Sections and its members.

2019 marked a significant year in CITE's efforts to support Sections, streamline operations, and enhance its Annual Conference while continuing regular programs for its membership. These initiatives were undertaken to provide the best member experience for all members and facilitate the work of Section volunteers.

All of CITE's work, from seemingly small efforts like a more functional conference app to greater initiatives such as the launch of an inclusive and board-driven strategic planning process, is undertaken to provide exceptional value to members across its vast District and facilitate operations for its Sections to provide a great local experience. With guidance from its new strategic plan, CITE looks forward to building upon this great work!

Thank you to all of our members, volunteers, and supporters who make CITE a model District of ITE and leading organization in Canada!

from the district director



JEN MALZER, M.Sc., P.Eng.
Canadian District Director
director@cite7.org

Dear Members,

I hope this message finds you and yours safe. I'm happy to report on the success of the [ITE 2020 Annual Meeting and Exhibiton](#). The virtual conference hosted a record number of attendees, including nearly 40% who were first-timers at an ITE annual meeting. A great silver lining and an important indication that technology can bring us together to advance transportation as a profession in Canada.

This past week, I also dug into the feedback and attendance at the conference to explore what most interests our members and what topics still offer the biggest learning opportunities. Of the sessions that were offered, the most attended by far was a lunchtime panel on equity and inclusion. In terms of the technical sessions, creative intersection design, vision zero, complete streets, and designing during COVID-19 were most attended. This is, perhaps, unsurprising given the shift most cities are making today in favour of effective design speed and designing for all.

Equity is a topic I heard talked about in all Council and Committee meetings I attended. There is a lot of interest by professionals to look for the data that points to equity in the systems we design. In other words, if transportation is moving towards an evidence-based design approach, what is the evidence that needs collecting? Whose lives are we saving? Who feels safe on certain types of infrastructure and what will help kids travel unaccompanied again? If this is a topic you contemplate, I would encourage you to get involved in ITE's technical committees. This January's meetings, which are joint with TRB, will be virtual, making it a great time for more Canadians to participate.

Ryerson University won this year's first ITE Micromobility Sandbox Design Competition, in the student category. This competition was conceived by our Past President, Bruce Belmore, and, as a judge, I can personally attest to the innovation and variety of ideas that were presented. Ryerson won with their solid understanding of user needs and creative application of research.

The past few months have been significant in terms of advancing Canadian representation at ITE. Our Technical Liaison Committee (TLC), chaired by Irini Akhnoukh and Mars Otten-Andrew, helped align our members with ITE's Technical Councils and Committees. Thank you to everyone who applied and to our successful candidates for representing snow and 'metres' (and more!) in important projects. See the full list of new appointees in the [TLC update](#).

This year, two Canadians graduated from the *LeadershipITE* program while two more were chosen to represent CITE in the class of 2021. Congratulations to Amy and Garreth and best of luck to Tanya Davis (Halifax Regional Municipality) & Erik Nevland (Region of Peel).

Finally, this past month, CITE hosted its first virtual Traffic Bowl competition which saw five teams compete for the Canadian title. Thanks to our organizer, Gene Chartier. Congratulations to all teams (McMaster University, University of Alberta, University of British Columbia, University of Toronto, and York University) and to York University for the win and great effort representing Canada in the ITE International Grand Championship.

from the district director

Speaking of students, it was my immense pleasure to speak to the newly formed University of Windsor Student Chapter! I trust that many of you are taking this time, when travel and dress pants are optional, to speak to your favourite student chapters. If you are looking for other ideas on supporting students, please review the [September Women of ITE blog](#) by Manitoba Section executive member, Rebecca Peterniak.

In close, while the opportunities that virtual meetings are offering to so many members are great, I also hope you're able to connect socially with your ITE networks. I am personally grateful that our International Board of Direction includes a social meeting as part of our now virtual meetings. I have gained so much by being part of ITE leadership through the opportunities to form friendships and compare design ideas from projects across Canada. This leads me to share a friendly announcement that I will be leading next year's CITE election; we are seeking a new Secretary-Treasurer and District Director. While more details are to come, I invite you to consider running to serve the District or to step up to serve on your Section Executive if you one day aspire to serve on the CITE Executive.

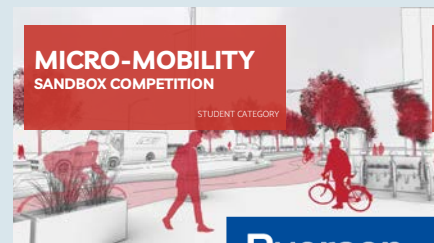
Best wishes,



Jen Malzer, M.Sc., P.Eng.
Canadian District Director

Ryerson University wins ITE's Micromobility Sandbox Design Competition

Congratulations to the Ryerson University team (Maya Higeli, Joseph Magnoli, Neha Patel (S), Odin Ahlers, Mathias Sawicki, Marwa Al-Saqqar, Sujun Kisiju, and Sarah Matti) who won top prize in the student category of ITE's first ever **Micromobility Sandbox Design Competition**. The competition challenges teams to bring their most original and innovative solutions to demonstrate how urban centers deal with the growing micromobility options. Read more about Ryerson's winning design in the [October 2020 ITE Journal](#).



**Ryerson
University**

New Leadership ITE Graduates



Congratulations to the 2020 Canadian graduates of ITE's leadership development program



Amy Jiang, M.Eng., P.Eng.
Senior Associate,
BA Group



Garreth Rempel, Ph.D., P.Eng.
CEO & Co-Founder,
TRAINFO Corporation



June 8–10 
2021ite

CITE announces Virtual Annual Conference

CITE invites transportation professionals, educators, and students from across Canada and beyond to our **Virtual Annual Conference**, happening June 8–10, 2021.

The last six months have been filled with unprecedented change across Canada and around the world. While many of us have faced social and economic challenges, the common impacts of COVID-19 and our shared experiences adapting to new realities have, in many ways, brought our professional community closer than ever before. We know that now, more than ever, it's important to make time to connect with each other, share stories, and grow our profession and its knowledge base.

With this in mind, CITE has begun planning our first ever Virtual Conference and aims to deliver an exciting, informative, and engaging program. An experienced “National” Arrangements Committee has been assembled to plan and deliver this unique event:

- ▶ **Conference Chair:** James Donnelly, Urban Systems (Kelowna, BC)
- ▶ **District Liaison:** Julia Salvini, CITE President & Salvini Consulting (Kitchener, ON)
- ▶ **Technical Program:** Jeanette Montufar, MORR Transportation (Winnipeg, MB)
- ▶ **Industry Partners:** Terezinha Hignett, Transoft Solutions (Waterloo, ON)
- ▶ **CITE Support:** Steven Garner (Cowichan Bay, BC) & Evonne Donaher (St. John's, NL)

While we'll certainly miss many of the in-person events and CITE traditions enjoyed by all, we hope that a virtual event will offer new opportunities to connect in unique ways. If you have any innovative ideas in this regard, we would be pleased to hear from you at conference@cite7.org.

For now, please **save the dates** (June 8, 9, and 10, 2021), **submit an abstract** to share your work and ideas at the conference, and keep an eye out for more information, updates, and announcements to come on the [website](#), email, and social media #CITEconf.

CALL FOR ABSTRACTS

All interested transportation professionals and students are invited to share your ideas at the 2021 CITE Annual Conference, to be held virtually on June 8, 9, and 10, 2021.

Topics

Submissions are welcome on any topic that demonstrates something new, novel, or noteworthy in the world of transportation. Ideas for presentations include:

- ▶ Active transportation facility design and implementation
- ▶ Connected and automated vehicles
- ▶ Equity, transportation accessibility, and community building
- ▶ Goods movement
- ▶ Integration of mobility services and technology
- ▶ Managing traffic and transportation during major events, construction, and disasters
- ▶ Mobility-as-a-Service (MaaS)
- ▶ Public transportation innovations
- ▶ Road safety
- ▶ Transportation challenges and opportunities during a pandemic

Other topics are also welcome, and we encourage you to think about any exciting project or research undertaking you have on the go or have recently completed when you prepare your abstract.

Submission Details & Dates

- ▶ Abstract length: **500–550 words**
- ▶ Abstract submissions due: **December 16, 2020**
- ▶ Tentative Abstract Approvals: **February 5, 2021**

Submit your idea at
conference.cite7.org

INDUSTRY PARTNERS

With a new virtual format, the 2021 CITE Annual Conference will offer a unique platform to showcase our corporate sponsors and exhibitors. Stay tuned for details on opportunities to connect your company with leading decision-makers in CITE's transportation community.

If you'd like to be notified when the prospectus is released, please email communications@cite7.org.



training committee update



CITE Training Committee Seeks New Members

Are you interested in supporting professional development opportunities in Canada? Do you want a unique way to get involved with CITE at a national level?

The CITE Training Committee's goal is to increase the awareness and availability of training opportunities for Canadian transportation professionals by overseeing the development and delivery of training initiatives. The training committee is comprised of CITE members who are responsible for prioritizing, selecting, and organizing training opportunities for transportation professionals across Canada. Since the training committee is primarily a coordinating body tasked with providing opportunities for training to CITE members, it typically does not get involved with the development of specific training materials or delivery of the actual training sessions.

Recent training courses we have offered across the country include a range of different topics such as Complete Streets, Traffic Calming, Bicycle Facilities Design, and the Canadian Capacity Guide. We anticipate a similar program in 2021 with the added challenge of adapting training opportunities for the COVID-19 pandemic and public health requirements, shifting to virtual training offerings for 2021.

We have team members from British Columbia, Alberta, Ontario, and Newfoundland and are particularly interested in welcoming committee members from all areas in Canada to help bring a national perspective to the team. The term for the committee members is a maximum of four years that begins and ends at the CITE Annual General Meeting.

If you are interested in joining our committee, please send a letter of interest, a resume, and a letter indicating support from your employer to training@cite7.org.

More information, including the Committee's terms of reference, is available at cite7.org/about-cite/training.

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- Modelling & Model Interpretation
- Business Case Development
- Functional Planning
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- Traffic Impact Assessments
- Traffic Calming Studies
- Illumination Warrants
- Pedestrian & Bicycle Safety
- Safety Audits
- Traffic Sign
- Traffic Accommodation Plans
- Traffic Signal Programming & Design
- Traffic Bylaw Reviews

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New Appointees to ITE Councils & Committees

CITE is pleased to announce the following new appointments of Canadian District Representatives to ITE Technical Councils and Standing Committees:

- **Complete Streets Council**
 - › Pedestrian and Bicycle Standing Committee: *Mars Otten-Andrew, WSP*
 - › Transit Standing Committee: *Dan Ross, WSP*
- **Transportation Systems Management & Operations (TSMO) Council: *Sajad Shiravi, Miovision***
 - › Connected and Automated Vehicles Standing Committee: *Steven Kemp, Durham Region*
 - › Urban Goods Movement Standing Committee: *Madhuri Seera, The City of Calgary*
- **Traffic Engineering Council**
 - › Roundabout Standing Committee: *Simon Li, Tetra Tech*
 - › Joint Rail Grade Crossing Committee: *Garreth Rempel, TRAINFO Corporation*
- **Transportation Planning Council: *Irini Akhnoukh, The City of Calgary***
 - › Parking Standing Committee: *Dale Lynch*
- **Transportation Safety Council: *Arif Khan, York Region***
- **ITE Ethics Standing Committee: *Dale Lynch***

Look for more opportunities to get involved with CITE in a call for CITE Appointees to TAC Councils and Committees coming later this fall.

Transportation & Road Safety Professional Certifications

CITE congratulates the following Canadian members who successfully passed certification exams in June 2020 and received their PTOE or RSP1 professional designations:



Professional Traffic Operations Engineers

Alan Charles Fournier
Rakesh M. Patel



Road Safety Professionals

Jerry Behl
Zinaw Chewaka
Craig Milligan

Joel Penner
Amanda Pushka



Want to set yourself apart?

The Transportation Professional Certification Board (TPCB) is now accepting applications for the February 2021 certification exams.

**APPLY BY DECEMBER 3, 2020
FOR THE FEBRUARY 2021
EXAM PERIOD**

For more information and applications, visit tpcb.org

TAC and CITE partner on Online Road Safety Training

Over the past several years, road safety engineering has evolved and grown into its own area of expertise within the traffic and transportation engineering mandate. The Transportation Association of Canada (TAC) Road Safety Committee (RSC) conducted a survey of the TAC community in 2015-2016 to have a better understanding of the opinions and needs of its members. The responses received from 118 of the individuals within the TAC community practicing road safety showed that only 37% had taken any road safety courses prior to practicing in that area of expertise. More than 95% of the respondents were interested in obtaining additional training in road safety. Particularly, 82% of the respondents indicated their desire for training on scientific and analytical estimation methods in road safety. Based on this survey, it appears that there is tremendous interest and desire among road safety professionals to receive more formalized and easily accessible road safety training. As a result, TAC and CITE have partnered to create an online road safety training course to meet the needs of our members.

In 2019, a consulting team was retained to develop the online training course. The course is intended to provide training for a variety of experience levels through multiple online modules that cover introductory topics for practitioners with basic experience and complex topics for practitioners with intermediate to advanced experience. The course consists of five 10-hour on-demand online modules as follows:

- Module 1: Foundations of Road Safety
- Module 2: Measuring Safety
- Module 3: Human Factors and Road Safety
- Module 4: Solving Safety Problems
- Module 5: Implementing Road Safety Programs

The training course includes an explanation of the theory, practical examples, quizzes, and hands-on exercises. Participants will receive high-quality training delivered by distinguished professionals with many years of academic and practical experience in road safety.

The curriculum has been developed and reviewed by the Project Steering Committee (PSC) which includes TAC and CITE members. The training videos are being produced at this time. It is expected that the training will roll out in spring 2021.

What is the TAC/CITE Online Road Safety Training?

- It is an online training course for road safety professionals at all experience levels.
- The course consists of five 10-hour on-demand online modules.
- Training includes an explanation of the theory, practical examples, quizzes, and hands-on exercises.
- The TAC/CITE Road Safety Training will roll out in spring 2021.
- See the full project summary on the [TAC website](#).

Career Connect with Kate

We often give advice that people should connect with someone at a company or a municipality before they apply for a job. But how do they know who to contact behind a general HR email address? And how do we help people get their resumes noticed and through the system?

To address these challenges in a time without in-person networking opportunities, [Kate Whitfield](#) and CITE have launched [Career Connect](#). This initiative brings together people seeking transportation jobs in Canada and people currently employed in the transportation field to join a recorded video call with Kate as the host—think dinner with strangers, minus the food. The purpose of the event is twofold: sharing stories to paint a picture of what a job in transportation is like and networking intel to help people connect for jobs. After each participant speaks for two minutes about a recent school or work project, the conversation opens up for a facilitated discussion. Each episode ends with a career seeking tip of the day and advice shared by everyone participating. This initiative was created to offer something positive during challenging times as well as to break down barriers to employment.

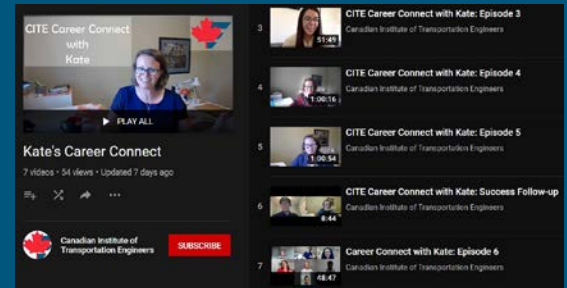
Not only do the people on the same episode meet but everyone is encouraged to connect with participants from other episodes. Maybe something is said that can be used to make a connection and continue the conversation further. Kate hopes participants take full advantage of this opportunity and connect outside of the episode through LinkedIn (or otherwise) using messages or their own post reflecting on the experience.

How can I participate?

For people currently employed in our field who are interested in participating, they can [reach out to Kate](#). You do not need to be a senior executive to be involved. Great advice can come from all levels of employment. For each episode, Kate brings together a mix of people from both the private and public sector covering different geographies.

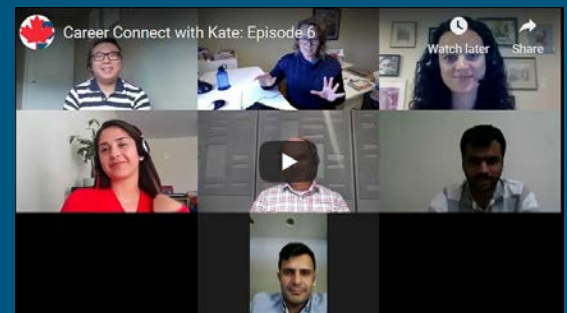
For job seekers, the main requirement is to be in Canada and currently seeking employment in the field of transportation engineering/planning. Participation is also not limited to students. We encourage people at different stages of their career who are looking for work to participate.

Subscribe to CITE's YouTube Channel to keep up with all the episodes



Check out the latest episode of Career Connect with Kate

The discussion in episode six spanned resiliency, environmental planning, and software you need to know to land that transportation job.



KATE WHITFIELD P.Eng., MCIP, RPP



Family: Robert Behrend and I have two amazing sons, Nicolas (10) and Wesley (7)

Hobbies: Affinity for cargo bikes and canoes

City of Residence: Ottawa, Ontario

Current Employment

Principal with Alta Planning + Design, Canada in Ottawa

Education

- Bachelor of Engineering, University of New Brunswick (2003)
- Masters of Urban and Regional Planning, Queen's University (2005)

First job in transportation

Engineer/Planner with J.L. Richards & Associates Limited in Ottawa

What positions have you taken on as a member of ITE?

- Instigator of the *CITE Career Connect with Kate* initiative
- CITE Appointee on the Transportation Association of Canada (TAC) Mobility Council
- Technical Tours Lead on the Local Arrangements Committee for 2019 CITE Annual Conference in Ottawa

When did you first attend a CITE event?

Most likely at a National Capital Section luncheon event, standing in line for the buffet spread trying to get someone to talk to me about future active transportation projects in the City. Most of my work at the time was land development with some minor traffic impact studies and then larger integrated road/sewer projects with maybe a painted bike lane. I wanted to see what work I could generate with a greater focus on active transportation. My favourite luncheon was the joint TAC/CITE meeting where people from coast to coast would be in Ottawa for the Spring Technical meetings.

How would you describe your job to someone you met at a party?

Sometimes I feel like a therapist or a cheerleader. I hesitate with the second descriptor as it tends to be gendered or diminished as not "hard engineering" but both words describe what we are often required to do in our jobs. We bring strong technical skills to projects but we, as professionals, are often asked to help municipal staff navigate a project with complex

relationships to juggle competing demands. While a strong technical foundation is key, the arguments to make it through the decision-making process are what is needed. Whether it is rationale presented in a written report, material prepared for the public, meetings to navigate the political process, or simply time dedicated to working together around the table to find a solution to a problem. The field of active transportation is gaining momentum but it still comes with the weight of being seen as a "nice to have" and not a "need to have." Language around safety and moving people has created the change we need but we still have a long way to go in Canada.

When I tell someone what I do, the response is often about someone's status with respect to a bike. Either someone is an avid cyclist, would ride if the roads were safe, or would be ok with bikes on the road if those people actually followed the rules. I find that our profession has a moral commentary side related to choice, situation, and behaviour. Generally, people think what I do is "neat" but then the conversation shifts to road conditions on the way to work or how people do not know how to behave on shared multi-use pathways.

What are one or two projects that you're most proud to have worked on?

I was always told that as engineers progress in their career, they often head down two paths: technical expert or manager. Through my nature, I knew that I would follow the management path. A positive aspect of this is the feeling that you had a hand in creating the work environment that led to great projects happening. The negative is that you don't always get to work on the projects in the end in a hands-on nature. I am proud to think that I helped bring the "Cycling Safety Review of High-Volume Intersections" project to the Alta team but my colleagues get the praise for pulling off such an interesting project in a constrained timeline.

The project was for the City of Ottawa. In support of its road safety plan, and in response to mounting public pressure leading to a decision at the Transportation Committee, the City launched a review of 34 intersections using a cycling safety lens. The sites were selected based on having existing heavy motor vehicle traffic and cycling volumes, a history of collisions involving cyclists, or specific design deficiencies. The project included a wide range of intersections, from highly constrained urban intersections to large multi-lane high-speed intersections.

Alta's approach shifted the emphasis, and several questions were used to guide the design process:

- What are the conflict points between cyclists and motor vehicles, and how can they be reduced or eliminated?
- What role does this intersection play in the cycling network?
- Does the intersection's design facilitate bicycle movements safely?
- What innovative ideas can be implemented to make cycling safer (e.g., protected intersections, smart channels, etc.)?

In a highly constrained timeline, our team undertook a review of each of the 34 intersections, developing ultimate concept designs with the goal to remove constraints and think big while still working within design/context constraints. The resulting set of designs and countermeasures support a framework for future planning and implementation in the City.

If asked to speak to a class of transportation students, how would you recommend it as a profession?

I used to teach "Urban Planning to Engineers" at Carleton University. It was a fourth-year class with 80 students coming from a mix of backgrounds in engineering, architecture, and geography. The curriculum covered a variety of urban planning topics from environmental planning to urban design, but with my transportation background, it was hard not to have a certain theme throughout the 3-hour classes. I invited peers to come to speak to the class to not only better represent the other subjects but to bring real world examples to the lectures. When speaking with civil engineering students, I would try and help frame the different career paths out of school. Whether it be further education (and a plug for a planning masters) or finding their focus within engineering. For those with a transportation focus, we would talk about typical careers. Maybe someone had the brain for transportation data and models while another would be happier focussed on geometric design and construction. For everyone, we spoke about the variety of hats we wear in the profession and the need to be a good communicator (written and verbal) and problem-solver.

Who has had the greatest influence on your career?

When I was an engineering student at UNB Fredericton, a mentor of mine introduced me to urban planning as a career. After I got my masters, I was given the advice to find a firm that had planning and engineering together in one department which would help me work towards obtaining both professional licenses. It took a long time but it was definitely worth it. Later in my career, it was wonderful to figure out that Mike Ircha from UNB influenced a number of people in Canada to become "planengineers."

Career Connect with Kate

Kate created CITE Career Connect as a volunteer initiative to help people network in an innovative way without conferences and other in-person opportunities. Learn all about it on [page 10](#).

CITE 2020

Excellence in Transportation Awards



Each year, CITE sponsors an awards program to honour the outstanding achievements of practitioners and students in the transportation field from across Canada. In light of the cancelled 2020 Annual Conference due to the COVID-19 pandemic, several honours recognizing distinguished service to CITE were not awarded in 2020. However, there is still much to celebrate as we recognize the following remarkable leaders in Canada's community of transportation professionals.

STAN TEPLY OUTSTANDING TECHNICAL PROJECT AWARD



The Plus 15 Network Study
McElhanney & The City of Calgary

The Stan Teply Award recognizes outstanding projects that showcase excellent technical achievement in transportation planning and/or engineering. The multiple worthy submissions were evaluated using the four award criterion: technical contents & transferability, complexity and innovation, project expectations, and overall presentation.

This year's winning project, the Plus 15 Network Study, was completed by McElhanney, along with subconsultants Level Playing Field, Dialog, and Entro, for the City of Calgary. They produced a network plan to improve the current Plus 15, a roughly 16 km system of interconnected and climate control pedestrian corridors and bridges throughout downtown Calgary.



McElhanney



Learn more about the Plus 15 Network Study in the [Project Profile](#) on page 21

ITE TRANSPORTATION ACHIEVEMENT AWARD NOMINEES



The ITE International Transportation Achievement Awards is awarded annually for significant and outstanding transportation achievements in the advancement of transportation. This year, CITE nominated Canadian projects in two categories to be considered for these awards.

Complete Streets Category
41st Avenue RapidBus
WSP & City of Vancouver

Transportation Planning Category
The Plus 15 Network Study
McElhanney & The City of Calgary

Learn more about the 41st Ave RapidBus in this past [Project Profile](#)

CITE ACTIVITY AWARDS

OUTSTANDING SECTION AWARD

Southern Alberta Section



- Membership: 280+, ~500 in the broader community
- Hosted well-attended monthly luncheons focused on networking and professional development
- Continued the summer social tradition by organizing a walking technical tour and food tasting event
- Supported the student chapter by attending their networking and panel events
- Hosted a year-end gala featuring new awards for member projects

SECTION MOMENTUM AWARD

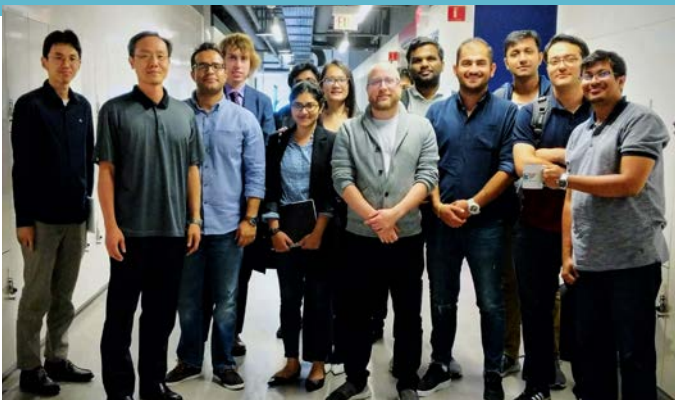
Toronto Section



- Membership: ~730
- Organized breakfast sessions, social events, and technical tours with consistently strong attendance (~20-60)
- Ran four 1-day training courses on a range of topics
- Hosted large luncheons in the spring and holiday times with attendance exceeding 100 people
- Significant engagement with our student chapters, including the first-ever event in Thunder Bay

OUTSTANDING STUDENT CHAPTER AWARD

York University



- Membership: ~50 plus alumni members
- Ran over 80 events and training sessions in the student chapter's second year of operation
- Arranged Industry Night for more than 250 attendees
- Introduced live-streaming of chapter events to spread knowledge around the world
- Robust alliance with the local section and other student chapters

STUDENT CHAPTER MOMENTUM AWARD

Carleton University



- Membership: ~30
- Ran a successful Student Leadership Summit in 2019
- Held a Transportation Industry Night to learn from and connect with engineers and professionals in the field
- Collaborated with the National Capital Section to host a STEM outreach event for which we won top prize in the ITE STEM competition

CITE 2020 Excellence in Transportation Awards

STUDENT AWARDS & SCHOLARSHIPS

DR. MICHEL VAN AERDE MEMORIAL SCHOLARSHIP

Iyad Sahnoon, University of Calgary

Iyad Sahnoon received his BSc (2012) and MSc (2014) degrees in Civil Engineering from the University of Sharjah, UAE. Currently, Iyad is a PhD candidate in Transportation Engineering at the University of Calgary, Canada. His research is on road safety, connected vehicles, and driver behavior. He has been a graduate teaching assistant for more than 4 years at different academic institutions. Also, he has an industry experience as a Traffic Engineer for more than 3 years in UAE, where he had the chance to play a main role in different state of the practice projects. During his work and studies, Iyad has co-authored many publications and received several scholarships and awards.



JOHN VARDON MEMORIAL SCHOLARSHIP

Tina Lin, University of Waterloo

Tina Lin obtained her BAsC at the University of Waterloo in 2019. Currently, she is an MASc candidate at the same university. Her research focuses on the application of big data analytics and machine learning in transportation modelling. She is interested in exploring how data science techniques are best employed in travel demand modelling. Tina has accumulated over two years of work experience, primarily in transportation consulting where she was involved in traffic analysis and transportation planning for developments across Canada. She strives to design urban solutions while building on the scientific rigour used in the development of new technologies.



CITE UNDERGRADUATE SCHOLARSHIP

Stefan Baer, University of British Columbia

Stefan Baer received his BAsC in Civil Engineering (with distinction) from the University of British Columbia in 2020. While at UBC, Stefan was a keen member of the transportation industry through his involvement with the UBC ITE Student Chapter as a sponsorship lead, event coordinator, and Vice President. Stefan recently joined the City of Whitehorse as a Transportation Engineer-in-Training. At the City, Stefan is responsible for managing and leading transportation initiatives and projects within the City. Currently, Stefan is the City's lead on a conceptual design for an intersection and will co-lead the City of Whitehorse's coming City-wide Transportation Study starting later this fall.



STUDENT PAPER COMPETITION AWARD

Anastasia Soukhov, McMaster University



Anastasia Soukhov received her BEng in Civil Engineering and Society in 2020 from McMaster University where she specialized in transportation engineering and geomatic information systems (GIS). She began her MASc at the same university promptly after graduating and is currently researching life-cycle impacts of passenger transportation and policy implications. She has completed work-terms at the City of Burlington's GIS linear asset management groups and at CIMA+ as a junior transportation engineer. Since 2016, Anastasia has been involved with the CITE community through executive positions within the ITE McMaster Student Chapter, currently serving as co-president. In the recent past, Anastasia has won the WTS Toronto Women in Transportation Award, published at the Canadian Transport Research Forum (CTRF) conference, and has been selected for the Mitacs Research Training Award.

Award generously sponsored by



[Click to read Anastasia's winning paper on the CITE website](#)

CANADIAN CAPACITY GUIDE (CCG) COMPETITION AWARD

Award generously sponsored by



Jim Gough



First Place
Anastasia Soukhov
McMaster University



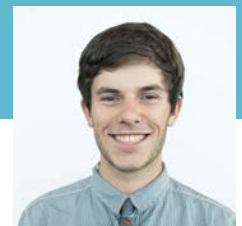
Second Place
David Tran
York University



Third Place
Sheena J. Briggs
Lakehead University

CITE WATT CONSULTING GROUP "TRANSPORTATION IN A SUSTAINABLE WORLD" STUDENT AWARD

Stefan Baer, University of British Columbia



Award generously sponsored by



Stefan takes a keen interest in the intersection of the built environment and mobility behaviour. As an avid bike commuter, he is passionate about diversifying transportation options to enhance the livability, sustainability, and equity of our communities. He is excited to bring these interests to his new role at the City of Whitehorse and life in the Yukon.

[Click to read Stefan's winning paper on the CITE website](#)



York University wins 2020 CITE Traffic Bowl

2020 CITE TRAFFIC BOWL CHAMPIONS

York University

Mohammed Mohammed, Ginelle Aziz, and Elanakayon Annalingham



Each year, ITE student chapters from Canada and the United States participate in a competition known as the ITE Collegiate Traffic Bowl. This Jeopardy-style trivia contest features teams composed of up to three students testing their knowledge of ITE and transportation planning and engineering topics.

Typically, CITE hosts the Canadian District Traffic Bowl in conjunction with its Annual Conference. With the decision to cancel this year's conference due to the COVID-19 pandemic, CITE originally called off the 2020 event in April. ITE ultimately made the same decision, cancelling the International event later that month.

Disappointed but undaunted, the ITE International Traffic Bowl Committee continued to meet in hopes of finding another meaningful way to engage our student members during this unprecedented time. A breakthrough came in the summer when the Mountain and Western Districts conducted virtual traffic bowls as a part of their online district meetings. With the success of those events, the Committee believed it was possible to hold a completely online competition across all Districts culminating in a Grand Championship at the International level.

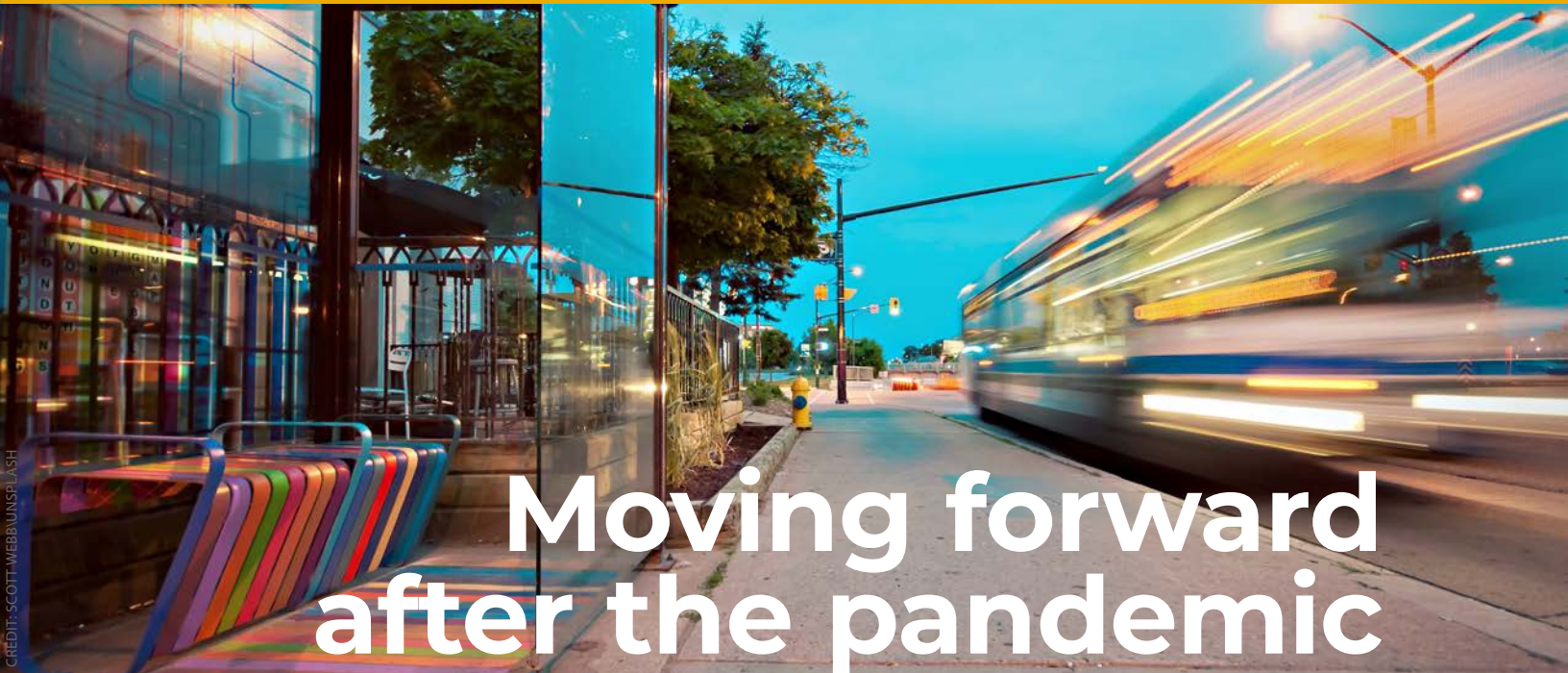
After months of planning, ITE moved ahead with the **Virtual 2020 ITE Collegiate Traffic Bowl** series based on modified rules of play to address the online environment and associated constraints. The competition, organized and delivered entirely by the ITE International Traffic Bowl Committee, played out over September and October to rave reviews.

Five teams representing schools from across the country participated in the Canadian District Traffic Bowl held on October 6, 2020. The preliminary round saw students from **McMaster University**, **University of British Columbia**, and **University of Toronto** clash in a battle of past participants, with the team from McMaster University winning a hotly contested match. The championship round featured the winner of the preliminary round, McMaster University, along with **University of Alberta**, and **York University**. After a hard-fought competition, the York University team of Captain Mohammed Mohammed, Ginelle Aziz, and Elanakayon Annalingham triumphed.

The York University team represented the Canadian District at the Virtual 2020 ITE Collegiate Traffic Bowl Grand Championship on October 21, 2020. After a valiant effort, the team ultimately bowed out to eventual champions Purdue University.

Congratulations to all participants on an exciting and well-contested CITE Traffic Bowl. Thanks goes out to the ITE International Traffic Bowl Committee for their efforts in revamping the competition and delivering the series of events. We send a special thanks to committee chair John Davis, who committed an unbelievable amount of time and effort into ensuring the success of this year's competition, as well as Gene Chartier for coordinating the Canadian District event and CITE Vice President Ryan Vanderputten for assistance in developing Canadian-oriented clues.

Click to watch the replay on  YouTube



Moving forward after the pandemic

Insights from urban professionals on the impact of COVID-19, building resilience, and how cities will recover

BY JUSTIN SWAN
CITY OF OTTAWA

As the world continues to grapple with COVID-19, speculation of the long-term impacts of the pandemic on municipalities evolves along with it. Back in April, we [issued a survey](#) asking professionals, academics, and others involved with making cities better how they thought this would all play out. 120 people responded with a variety of insights. Here are the highlights.

Half of survey respondents think the pandemic will have a significant impact on city planning and operations over the next 5 years. Since March, we have seen local governments shift resources to help manage the pandemic efforts, and forecasts are showing significant financial challenges in the years to come if help is not forthcoming from higher levels of government. However, survey respondents suspect the longer-term effects will be less severe with only 13% believing the lasting impacts will be significant.

Continued on page 19...

Expected significance of pandemic's impact on city planning and operations



■ No Impact ■ Limited Impact ■ Moderate Impact ■ Significant Impact

impact of the pandemic

Survey respondents indicated that broader issues may be of greater concern than expected impacts to local government. While 30% identified city operations as one element that would be highly impacted by the pandemic more so than others, there were four other sectors that received higher attention from respondents including the economy (69%), public health (64%), social and cultural norms (59%), and transportation more broadly (50%).

When asked to elaborate on how the pandemic would impact city planning and operations, respondents provided the following insights in relation to a few recurring themes.

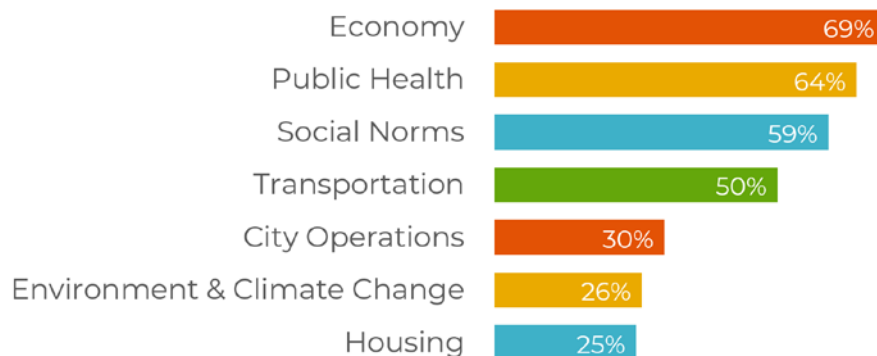
Planning for resiliency and allowing flexibility

The world of city planning and operations is too rigid and doesn't have enough in its toolbox to respond to big societal changes quickly. The industry needs to evaluate lessons learned from the COVID-19 pandemic to not only make adjustments in preparation for the next pandemic but to address other broad challenges such as the increasing frequency of extreme weather events, evolving mobility trends, and affordable housing deficits.

Flexible uses in Public Spaces and Streets

Local governments assign public spaces and right-of-ways with very specific uses prescribed. As a result, design standards have evolved with this permanence in mind which can prove challenging when we need these spaces to be repurposed. This can be addressed by introducing flexibilities that apply within a range of scenarios and developing models to help contextualize different possible configurations of these spaces. In support, there should also be a review of design standards that apply to buildings, public spaces, and street right-of-ways to ensure flexibility is at least possible.

Areas expected to be most impacted by the pandemic



Labour and resource flexibility

Local governments will need to figure out efficient and effective ways to shift resources to adapt to changing environments more quickly. While the pandemic has temporarily reduced demand for certain municipal services, it has also created a surge in demand for new services like contact tracing and deployment of online tools for accessing services or participating in public discourse on local issues. Local governments need to be able to shift their labour pools to respond to this shift in demand more rapidly in times of crisis.

Supply-chain resiliency

Municipalities and other levels of government will need to do an analysis of their critical supply chains for delivering services to understand vulnerabilities. Personal protective equipment was in short supply earlier in the year, but perhaps there are other aspects of city operations and planning that are impacted by supply chains as well. Do local development industries have the capacity to deliver the supply of housing needed to meet growth and affordable housing demand? Does the construction industry have sufficient labour force to offer the most competitive pricing on infrastructure projects? If not, what contingency plans should be put in place? These are just some of the questions we should be answering.

Recovering from the pandemic in the right way

There is much concern and uncertainty with respect to the financial health of cities emerging from the pandemic. There is an expectation that local governments will be cash-strapped for the foreseeable future without help from higher levels of government that are also cash-strapped. In the world of economics and finance, it has certainly led to increased discourse on controversial topics like modern monetary theory, universal basic income, and other broader options to address the potential for mass unemployment and economic stagnation. Beyond the financial considerations, which are complicated enough, it is difficult to avoid a “knee-jerk” policy approach to recovering from the negative impacts of the pandemic in other areas of concern that are more localized. For example, speculation on commercial real-estate contraction due to permanent work-from-home arrangements has led to discussions of planning for the end of brick-and-mortar retail and the potential to re-purpose these spaces for residential use. Suggestions have also been made that the need for transportation infrastructure will diminish significantly with reduced peak-period commute demands on the system. Similar to the progression of the autonomous vehicle technology discussion, policy should be informed by these trends but remain tethered to the broader objectives of what is trying to be achieved in cities. At the lower-level, these trends may help inform the details of investment decisions such as how to best provide access to broadband and shared mobility within an affordable housing development. However, we need to be careful that these trends don’t influence key long-term policy metrics such as success in providing affordable housing that offers access to rapid transit systems in the first place.

Taking advantage of the crisis

Despite the many gloomy outlooks, there is cause for optimism once we get a handle on the pandemic. As Rahm Emanuel, former Mayor of Chicago, once said, “Never waste a crisis.” It takes situations like a pandemic or major disaster to catalyze populations’ appetite for and acceptance of progressive changes or initiatives of scale. There is, of course, a risk of

choosing a path that pulls society in the wrong direction, which is why it is paramount that we have discussions now to work through potential outcomes and provide well thought-out change proposals while public support for public interest policies is more unified than in normal times. The most cited example from respondents is in relation to major investments in permanent work-from-home infrastructure and how this will have a long-term impact on the nature of travel within cities and between regions throughout the country and the world. This one example alone could have broader implications in terms of shifting demands for different land uses and public infrastructure. Will “peak hour” be less of a concern moving forward? If so, then perhaps we can look at re-purposing street space and parking capacity to meet equity and travel choice objectives? Will a portion of urban residents flock to smaller communities outside cities? If so, how can we ensure these communities can absorb this growth without incurring the same set of problems experienced in other high-growth communities in the past. The idea of taking advantage of a crisis is to make sure that we can emerge from it in a better place and resolve long-standing issues that are challenging to address in normal times.

This is just a summary of the broader insights from respondents and does not dive into some of the more interesting detailed speculation provided. In any case, it appears the conversation is still just in its infancy. It will be interesting to reflect on the results of the April survey as the situation evolves and perhaps kick the conversation into more productive territory. If there is one motivating factor to do so, the pandemic will be a defining event of the 21st century history. Let’s not get caught sleeping at the wheel.



Justin Swan, P. Eng. has worked in the transportation planning field with consulting, municipal, non-governmental, and academic groups for the past 13 years. He has an MSc in Transport Planning and Engineering from Edinburgh Napier University (UK) and a BSc in Civil Engineering from Carleton University (Canada). Justin was a member of the 2019 CITE Annual Conference Local Arrangements Committee in Ottawa. *All views expressed are his own and do not represent those of any of his employers, past or present.*



The Plus 15 Network Study

Winner of the 2020 Stan Tepy Outstanding Technical Project Award

BY IRINI AKHNOUKH & BLANKA BRACIC
THE CITY OF CALGARY

Calgary's **Centre City** is a vibrant and lively area hosting countless amenities, including shops, businesses, restaurants and food services, residences, offices, parks, institutions, and tourist attractions. Over the course of a year, almost 7 million people visit the Centre City. Approximately 8,500 people reside within downtown, and the area employs almost 98,000 individuals and hosts 2,600 businesses. As such, the design of a safe and efficient transportation network throughout the Centre City is imperative to accommodating the trips generated and providing an effective means of travel for all ages and abilities.

In addition to the extensive network of roadways, pathways, sidewalks, bike lanes, and transit infrastructure throughout downtown Calgary, the Plus 15 skywalk network plays a key role in moving people and providing a safe and reliable means of travel through the Centre City. But the network is more than just a means of travel. In addition to its role in the transportation network, the Plus 15 is a

unique feature of the city unlike any other throughout the country. It characterizes mobility in the Centre City as being pedestrian-oriented while offering attractive vistas and diverse placemaking opportunities as part of the City's public realm.

A bit of history

The Plus 15 network in Calgary was first proposed in the 1960's by an architect named Harold Hanen who envisioned that the system would develop organically as The City's downtown developed. As such, there was never a firmly designed system wide Plus 15 network plan to identify specific bridge locations or where tie-ins needed to occur. The first Plus 15 structure became operational in the early 1970's and connected the Westin Hotel and Calgary Place. Since then, the network has expanded to include eighty-seven structures covering over 16 km of bridges and public easements through private and public buildings and is one of North America's most extensive pedestrian skywalk systems.

the Plus 15 network study



A range of users navigate the Plus 15 pedestrian bridges, corridors, and public concourses on a daily basis

The existing Plus 15 network, like other skywalk systems in North America, is meant to serve multiple objectives, including decreasing pedestrian/vehicle conflicts, providing a climate-controlled pedestrian space, improving access to downtown amenities, and encouraging further development in the downtown. Counts conducted in 2018 indicated that the busiest bridges on the network carry between 15,000–30,000 people every work weekday in the winter season.

Users of the network

The Plus 15 network is utilized by a wide variety of users, including providing mobility/access for children, seniors, and people with disabilities in all seasons. Some new uses for the Plus 15 are as a major cultural/tourism asset and as a healthy/active design asset. These users differ in their travel patterns, familiarity with the Plus 15 network, and mobility needs. Five major user groups were identified:

1. Weekday users – connected workplace

These users work in a building connected to the Plus 15 during the weekday. They are the most likely user group to access LRT stations and parking facilities through the Plus 15. Additionally, they are also most likely to use the network to access amenities during lunchtime. They are intimately familiar with a section of the Plus 15 due to daily use.

2. Weekday users – workplace not connected

These users work in a building not connected to the Plus 15 during the weekday. They are somewhat

likely to utilize the Plus 15 to access parking facilities or amenities within the network during lunchtime. They are familiar with a section of the Plus 15 based on repeated use starting from an access point close to their workplace.

3. Local resident visiting downtown area

These users are residents who work elsewhere and visit downtown. Their visits could occur any day of the week either during the day or the evening. They have a high-level understanding of the Plus 15 terminology and system based on occasional visits. Their point of access to the Plus 15 is most likely near a public parking location. There are also users who are downtown residents and use the network to reach work and other destinations in the centre city.

4. Tourist visiting downtown area

These users are non-residents who visit downtown. Their visits could occur any day of the week either during the day or the evening. Unlike other users, they have no familiarity with the Plus 15 terminology and system.

5. The mobility challenged

These users are a subset of the aforementioned user groups. They are categorized by a common desire for an easier, user-friendly access around downtown compared to navigating on the street level. Their travel patterns and familiarity with the Plus 15 network are varied. At all the various times of use, these users may be further categorized into one of the four aforementioned user groups.

Continued on page 23...

The network study objectives

The City of Calgary hired McElhanney (with Dialog, Entro, and Level Playing Field as sub-consultants) to complete a study of the Plus 15 network. The objective of the network study was to create a network plan that improves the current Plus 15 network and develop ways to expand and enhance the network. The plan addresses 5 main issues:

- **Linkages:** Gaps and missing links were identified in the existing network and several criteria were identified to aid in the selection of future links. Missing links and future links were prioritized through stakeholder engagement and technical review.
- **Wayfinding:** Wayfinding has a direct public impact and value, helping to shape the identity of private and public spaces and improving orientation to create a positive user experience. The plan provides recommendations to improve the Plus 15 network information, architectural integration, and use of new technologies.
- **Accessibility:** Some links were built in the 1970s and 1980s and do not meet current accessibility standards. An accessibility review was conducted for the Plus 15 bridges to identify critical issues and possible mitigations.
- **Placemaking:** Placemaking helps generate economic opportunities, creates a welcoming environment for pedestrians, and draws more tourists. Several types of placemaking were explored on the Plus 15 bridges and in the connecting buildings.
- **Hours of operation:** The Plus 15 policy states that the system shall be operational 24 hours; however, many building owners lock their buildings and close their sections of the system after business hours, creating a discontinuous system.

Expanding the network

Although the existing Plus 15 network is robust, there are still opportunities to enhance the network in terms of the geographic footprint and internal connectivity. The existing network was reviewed to identify missing links, including:

- **Internal Links:** connections within the network that reduce overall travel distances or provide missing links to key attractions, trip generators, and transit.
- **External Links:** connections that expand the size of the network by connecting to key trip generators located at the periphery of the existing network.

At the onset of the project, multiple meetings and workshops were conducted with different City departments which have been involved with the Plus 15 development in the past. Through those conversations, it became apparent that there was a common perspective among some City business units that the Plus 15 network expansion should not be undertaken, seeing it as a deterrent to street activity. Prior to progressing with the network plan, the project team needed to take a holistic approach about the network and find a way to show the network's importance and convince naysayers of the network's merits.

The counts showed that some links carry upward of 32,000 pedestrians during work hours and that during the peak 15-minute period, the Plus 15 has over 16,000 pedestrians. Preliminary analysis was conducted to show the chaos that would occur to the street network and the operational implications (both for vehicles and pedestrians) if the Plus 15 network was removed and all those pedestrians were suddenly on the street at existing intersections. This helped frame the conversation on the role the Plus 15 network plays in providing a barrier- and conflict-free pedestrian system in the centre city.

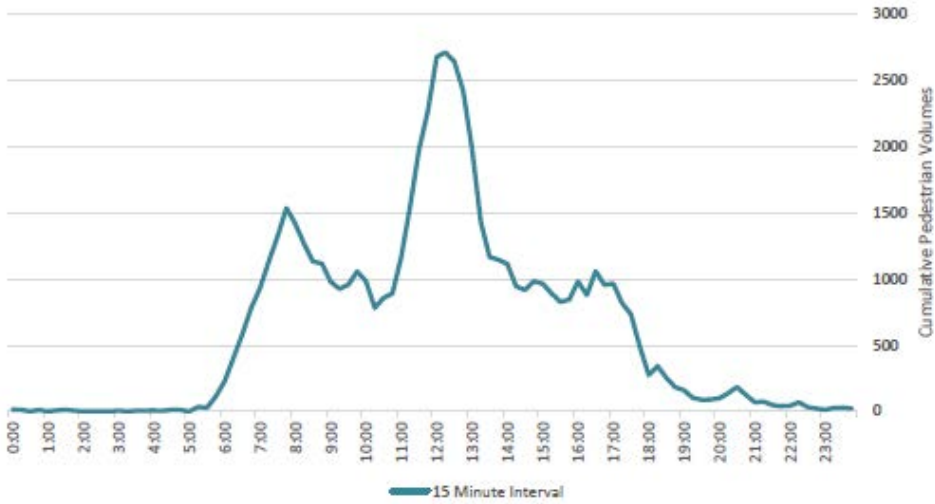
As such, the Plus 15 network plan needed to achieve a balance between the benefits of an enclosed skywalk system and the potential negative impacts it may have on activating the downtown streets by removing the pedestrians from the grade-level. This was accounted for in the evaluation criteria by including street level integration as a criterion.

Eight internal links and nine external links were identified and reviewed to assess which links should be considered higher priority. In order to prioritize the links, an evaluation matrix was developed which considered several different evaluation criteria: feasibility; cost; travel time / distance reduction; connections to transit; demand; current policies and Council direction; street level integration; and aesthetics.

Continued on page 25...

the Plus 15 network study

24 hour Weekday Pedestrian Volumes on some Plus 15 Network Links April 2018



The Plus 15 Proposed Network Improvements

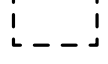


- Linkages**
- EXISTING PLUS 15 WALKWAY
 - LINKS PRIORITY 1
 - LINKS PRIORITY 2

- Linkages Selection Criteria**
- Feasibility
 - Cost
 - Travel Time/Distance Reduction
 - Connections to Transit
 - Demand
 - Current Policies and Council Direction
 - Street Level Integration
 - Aesthetics



- Accessibility**
- CRITICAL ACCESSIBILITY ISSUES
 - MODERATE ACCESSIBILITY ISSUES
 - GOOD ACCESSIBILITY



- Boundary**
- PROPOSED PLUS 15 BOUNDARY
 - PLUS 15 BOUNDARY (2007 CITY CENTRE PLAN)



- Hours of Operation**
- SUGGESTED HOURS
- Weekdays: 6am - 9pm
 - Weekends and Stats: 9am - 7pm

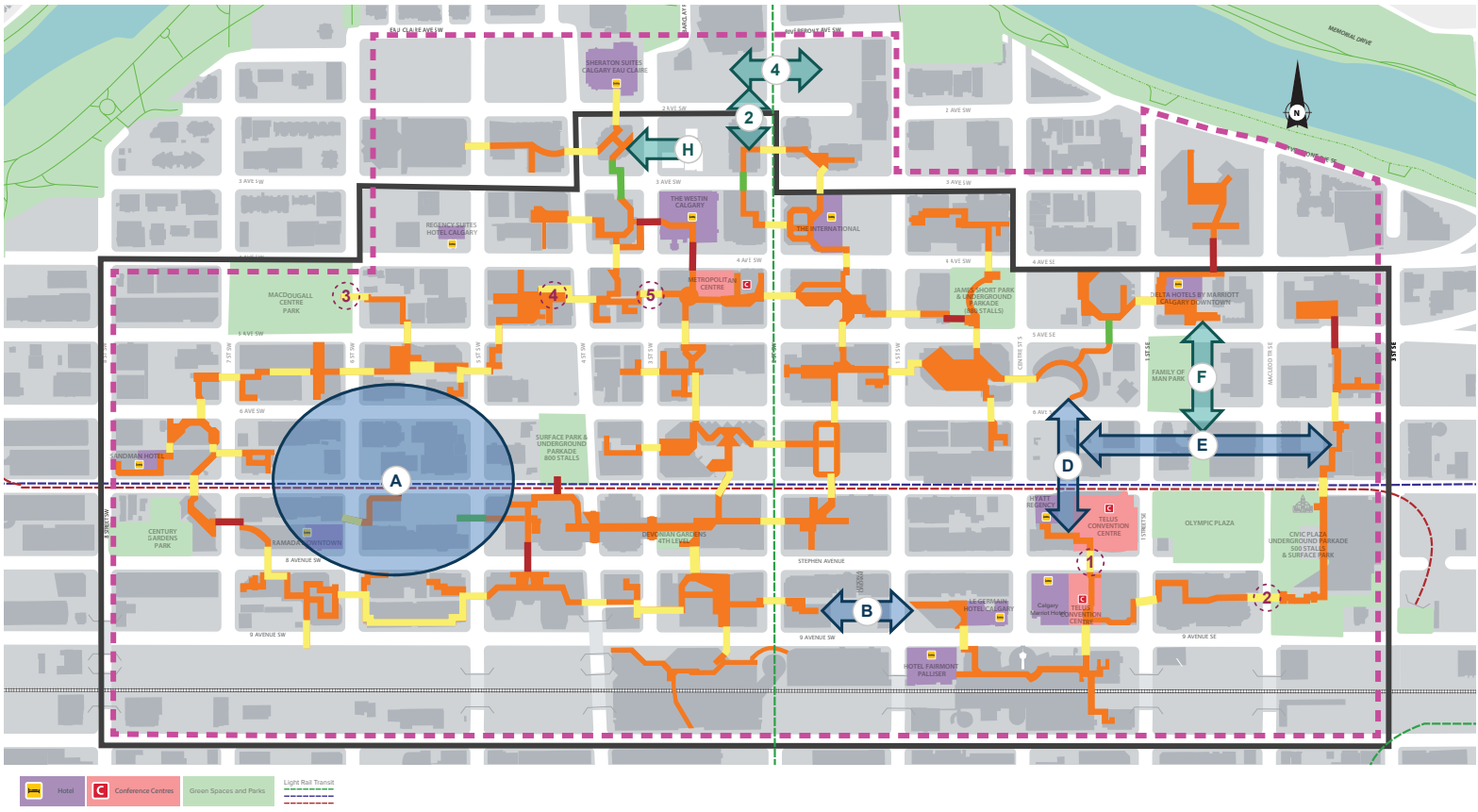


- Wayfinding**
- Clarity & Consistency of Brand Message
 - Awareness / Visibility
 - App Development



Placemaking

- PILOT LOCATIONS
- Placemaking Selection Criteria**
 - Potential to Strengthen Connections to Green Space
 - Potential to Strengthen Connections to the Street
 - Potential to Enhance Character as a Place for Animation
 - Potential as a Place of Destination
 - Potential for Program Activation



Placemaking

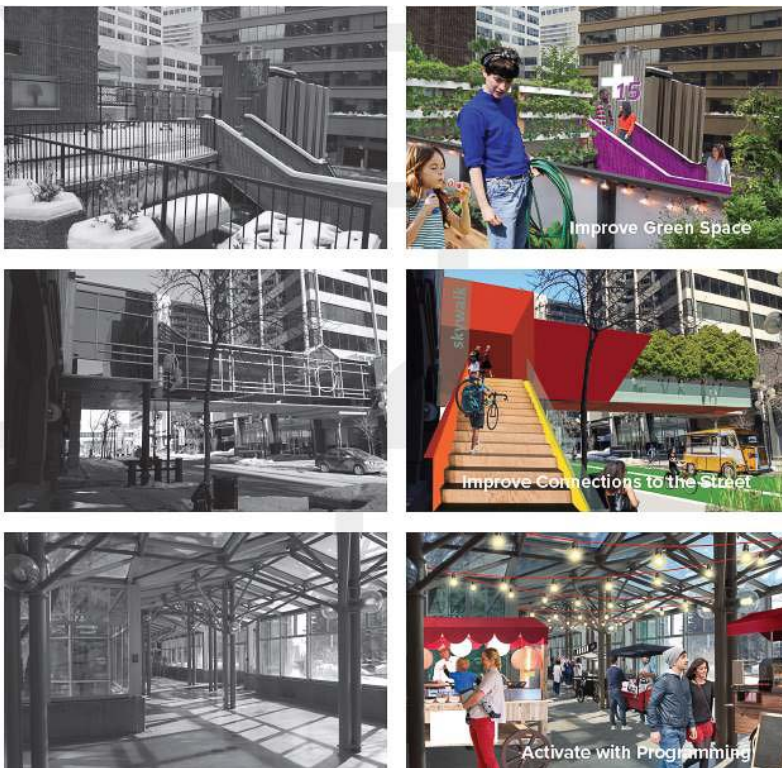
'Placemaking' is a transformative approach to the shaping of our collective public realm. Facilitating creative patterns of activities and connections, it is the creation of quality public spaces that contribute to people's health, happiness, and well-being. It also involves the planning, design, management and programming of public spaces. It strengthens the connection between people and the places they share, is adaptable to a diversity of people and uses, and is rooted in community-based participation.

As a pedestrian dedicated network, the system is successful from a practical perspective as it is physically connected to many of the buildings downtown and is unique by virtue of its visibility between buildings. Challenges become more apparent when a person is trying to gain access into the network from the street, when the connections from transit stops are not well established physically and visually, and when obstacles are encountered on the network for people with mobility needs, preventing use of the Plus 15 to get to their destinations. However, a major challenge to the use of the Plus 15 as a public space becomes apparent as people are not encouraged to sit and linger.

Of the eighty-seven bridges, fifteen bridges were identified as being good candidates for placemaking and were selected for a variety of factors, including the physical location of the links, access to pedestrian-oriented streets and heavily footed traffic areas, inherent physical character and potential to be animated for public interest. Five locations are recommended as pilot projects for different types of placemaking.

Wayfinding

The Plus 15 was developed as a method of convenience for downtown users but is now a major artery of pedestrian travel and commerce. Effectively supporting this method of travel is vital to ensuring the Plus 15 retains relevance in the future. Wayfinding recommendations outlined methods by which the system can be modernized and improved to convey a sense of place, while giving users confidence in the efficiency and safety of using the system. One of the recommendations was the development of a mobile app in addition to the static maps that would include GPS enabled capabilities, open and closed links in real time, routing options, building names and attractions, and access doors at street level.



Transformative placemaking ideas from the project team



Wayfinding and signage

the Plus 15 network study

Accessibility

The bridges that are part of the Plus 15 network were evaluated based on the universal design principles of equitable use, flexibility in use, simple/intuitive design, consideration of perceptible information, tolerance for error, physical effort needed for use, and the size and space in the network for ease of use. In addition to the consideration of the Universal Design Principles, the accessibility audit of the Plus 15 network considered:

- emergency exits
- points of access at each end
- lighting and shadows
- flooring and handrails
- accessories such as seating, ramps and stairs, signage, and ease from building access.

The accessibility review considered the approach and entrance to the link, the entire length of the link, and the exit after the link. The review identified critical and moderate accessibility issues within the Plus 15 network links, along with recommendations for improvements and future considerations.

Hours of operation

It was recommended that the unified operating hours be 6:00am to 9:00pm on weekdays. Based on the data collected, there is a clear jump in pedestrian traffic commencing at around 6:00am and a clear drop in volumes after 8:00pm. Although pedestrian volumes drop significantly after 8:00pm, it is suggested that the unified hours extend to 9:00pm. The rationale for this is that many of the downtown shopping establishments, including the CORE Shopping Centre, are open until

8:00pm on some evenings. Keeping the Plus 15 network open until 9:00pm would provide time for people to depart the shopping areas and reach their vehicle or transit stop which may be located a few blocks away. The 9:00pm closing time would also provide connections for people destined to the numerous restaurants and other event centres located within the centre city.

During the weekend, pedestrian volumes are significantly lower within the network. For this reason, reduced operating hours of 9:00am to 7:00pm are recommended for weekends and statutory holidays

No more walking in the rain

The Plus 15 network is one of the key pieces of infrastructure that encourages active transportation in the centre city. Through its ease of use, connectivity to major destinations, safety benefits, and the protection the system offers from inclement weather, the Plus 15 network provides an attractive means of travel, promoting walking as a viable mode of transportation for daily trips. But the network is more than just a means of travel. In addition to its role in the transportation network, the Plus 15 network is a unique feature of Calgary unlike any other throughout the country. It characterizes mobility in the Centre City as being pedestrian-oriented, while offering attractive vistas and diverse placemaking opportunities as part of the City's public realm.



The Plus 15 is a key piece of active transportation infrastructure in downtown Calgary



Irini Akhnoukh, P. Eng., PTOE was the project manager for the Plus 15 Study at McElhanney, the lead consultant on the project. Irini is a senior transportation engineer with 15 years of experience in the public and private sectors and currently works at the City of Calgary. She has been a member of ITE since 2005 and has served in multiple roles on the Southern Alberta ITE executive, was the *excite* co-chair, and is the current TLC chair.



Blanka Bracic, M.A., M.Sc., P. Eng. leads The City of Calgary's Liveable Streets division, which develops multimodal transportation policy, projects, and programs. With degrees in civil engineering and urban planning, her goal is to increase people's quality of life by creating an inclusive, healthy, and active city; a city where public space is more inviting for everyone. She has worked at The City of Calgary for fifteen years.



Southern Alberta Section

*Ain't nothin' gonna break-a my stride
Nobody gonna slow me down, oh no
I got to keep on movin'...*

The ITE SA held two exciting luncheons in January and February. January's luncheon included the Annual General Meeting, the swearing-in of the Executive Members that were elected in December and a presentation by Ryan Vanderputten, (City of Calgary, Director of Planning; CITE Executive Committee), on current and upcoming projects and initiatives at the City of Calgary, as well as information on CITE and upcoming events. In February, Eric MacNaughton (City of Calgary) and Zhoadi Culbreath (Tesla) presented on the advancing technological shift of Calgary's Electric Vehicle and Low-Emission Vehicle Strategy and Tesla's Charging Infrastructure Implementation in Western Canada.

As March approached so did the spread of COVID-19 into North Americans' daily lives. The City of Calgary declared a state of emergency and the province implemented tight restrictions on gatherings to promote social distancing. The March luncheon was therefore postponed until further notice.

In April, there was a shift of positions in the Executive Committee as Kari Fellows departed as she pursued a new opportunity in British Columbia and thus resulted in Josh Workman assuming the role of Treasurer. Lou Mak who ran in last year's general election against Josh was brought in to fulfill the role of Publicity Coordinator.

After being awarded the ITE Momentum Award in 2019 for outstanding accomplishments in activities and overall improvement, the ITE SA was awarded the Outstanding Section Award in 2020 for overall quality of section activities. It did not take very long for ITE SA to keep on movin' and continue striving to interact with its members. In May, representatives from the City of Calgary presented on how the City is responding to the pandemic with a snapshot of the progress of projects and new initiatives to promote social distancing through taking advantage of lower traffic

volumes. Speakers included Kerensa Forherz (Director of Transportation Infrastructure), Josh White (Director, Calgary Approvals Coordination), Anthony El-araj (Traffic Leader, Operations and Detours), and Jonathan Chapman (Coordinator, Programs, Liveable Streets).

As Calgary residents transitioned to working from home and maintaining social distancing measures, ITE SA kept pace with organizing additional monthly luncheon webinars in June, July, August and September. Presentation topics included the Evolution of Mobility by Mac Logan (Maplehawk Projects and Consulting) and Ezekiel Dada (Bunt and Associates); Estimating Traffic Data for Transportation Studies during COVID-19 Pandemic by Kari Fellows and Gary Vlieg (Creative Transportation Solutions); Pedestrian System Plan for the Interface with the University of Calgary Campus – 4th Year Civil Engineering Students' Capstone Project by May Hassanin, Catalina Barreto, Saad Khurshid, Ala Ebdalla, Morgan Grab, and Zachary Redick; and Data Driven Transit Service and Infrastructure Planning by Cynthia Albright and Stephen Oliver (Stantec Consulting Ltd.).

In October, the City of Lethbridge (Dr. Ahmed Ali) and TranSafe Consulting (Raheem Dilgir) presented a webinar on the Lethbridge's Transportation Safety Plan; and for November, we have scheduled ISL Engineering to present the Highway 3 Crowsnest Pass Functional Planning Study.

In August, the University of Calgary ITE Student Chapter announced Marcela Lopes as their newly elected President.

With COVID-19 entering its sixth month of social distancing requirements, ITE SA continues to promote professional development and career advancement. Without breaking a stride or slowing down, ITE SA is currently planning a virtual poster competition (with a Tik Tok theme) as well as a virtual session to interact with its members for a year-end gala. Stay tuned for more details.

A few of the many speakers at Southern Alberta's recent events. L-R: Kerensa Forherz, Mac Logan, Kari Fellows, Saad Khurshid, Ala Ebdalla.



Manitoba Section

The Manitoba Section paused activities from March through June due to the COVID-19 pandemic. The Manitoba Section Executive Committee remained in touch and organized a webinar, which was held in July. The webinar covered the Traffic and Transportation Impacts of COVID-19. The Speakers were Tyler George and Chris Baker, both from the City of Winnipeg. Tyler presented data from the City's traffic monitoring program, recent trends related to the COVID-19 pandemic, and the City's permanent bike counter installations. Chris presented on Winnipeg's Open Streets program. The webinar was well-attended and well-received.

On October 29th, the Manitoba Section held its second webinar of 2020. The topic of the webinar was school travel planning. The speakers were Marie-Soleil Cloutier from l'Institut National de la recherche Scientifique, Denae Penner from Green Action Centre, and Jamie Hilland from Urban Systems. Presentations covered research on child safety around schools and parks as pedestrians, the City of Winnipeg's School Street pilot project, and School Travel planning as part of neighbourhood study and design projects in the City of Winnipeg. Watch the webinar on YouTube [here](#).

The Manitoba Section is also looking forward to its Annual Meeting which will take place online in December.

Toronto Section

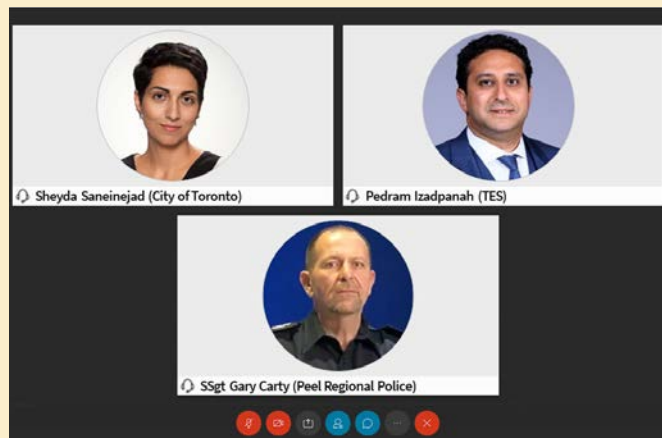
The ITE Toronto Section started off the year with several successful in-person events; however, due to the current COVID-19 public health emergency, we took a brief hiatus and then moved all of our events online. The ITE Toronto Section will continue to provide opportunities for professionals and students in our sectional area to network and learn more about the transportation industry.

On February 12, we hosted a breakfast session at HDR's downtown Toronto office. **Mark VanderSluis** (City of Mississauga) and **Nico Malfara** (HDR) presented on the 'Lakeshore Connecting Communities – Lakeshore Road Transportation Master Plan', which was previously reviewed by a panel of judges along with five other submissions and won the ITE Toronto Section's 2019 Project of the Year Award at our last general meeting.

The 12th Annual Joint CITE Section Student Presentation Competition was held on February 19 and was co-hosted by the **ITE McMaster Student Chapter** and the **ITE Mohawk College Student Chapter** at CityLAB in Hamilton. This annual competition is jointly held by the Toronto, Hamilton, and Southwestern Ontario ITE Sections. We extend our congratulations to all the competitors, including **Ahmad Mohammadi** (York University) and **Mehdi Meshkani** (Ryerson University)



ITE Toronto Section Project of the Year Breakfast Session



Vision Zero Webinar



who represented the ITE Toronto Section and won 1st and 2nd place in the graduate student category, respectively.

The **University of Toronto ITE Student Chapter's Student-Industry Mixer** was held on March 11. Nearly twenty companies were represented by transportation planning and engineering professionals who networked with students from the UofT and other GTHA schools. It is important for the transportation community to come together for events such as this, so we sincerely thank all who came out to support these developing transportation professionals.

After a brief hiatus to regroup following the start of the COVID-19 public health emergency, we hosted a series of multidisciplinary webinars on various transportation topics:

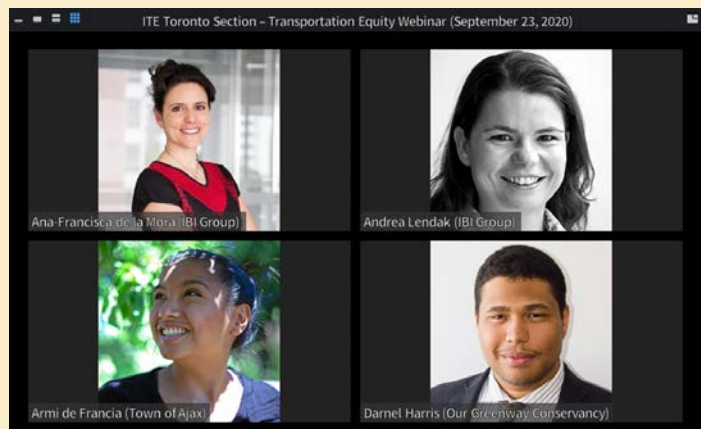
- **Vision Zero Webinar** on August 5 featuring **Sheyda Saneinejad** (City of Toronto), **Pedram Izadpanah** (TES), and **SSgt Gary Carty** (Peel Regional Police).
- **Transit Webinar** on August 26 featuring **Nicholas Day** (Metrolinx), **Josipa Petrunic** (CUTRIC), and **Dr. Jeff Casello** (University of Waterloo).
- **Transportation Equity Webinar** on September 23 featuring **Ana-Francisca de la Mora** and **Andrea Lendak** (IBI Group), **Armi de Francia** (Town of Ajax), and **Darnel Harris** (Our Greenway Conservancy).

Lastly, on October 3, 2020, along with the Young Professionals in Transportation (YPT) Toronto we co-hosted TransportationCamp Toronto 2020. This four-hour virtual unconference had over one-hundred unique participants, including our keynote speaker **Todd Litman** (Victoria Transport Policy Institute). Participants had the opportunity to lead and participate in eighteen virtual breakout sessions where they discussed various transportation topics.

Thank you to all our attendees, speakers, volunteers, and sponsors. Despite the current challenging circumstances, we look forward to continuing to engage with our community of transportation professionals via virtual events. This will include more webinars and a virtual version of our Christmas Luncheon and AGM. If you haven't already, please check out our social media pages on [Facebook](#), [LinkedIn](#), and [Twitter](#) to be the first to find out about these upcoming events. On behalf of the ITE Toronto Section, we wish everyone safety and the best of health.



Transit Webinar



Transportation Equity Webinar



TransportationCamp Toronto 2020

Atlantic Provinces Section

Along with most aspects of our lives, the COVID-19 pandemic has forced the Atlantic Provinces Section to change the way we interact with members over the past several months. Both of our semi-annual meetings, typically held in May in Halifax and in November in Fredericton, were unfortunately canceled. While we've certainly missed the opportunity to meet in-person, our section has taken the first steps toward conducting activities virtually, hosting our first Virtual Lunch & Learn on September 28. We were fortunate to have two informative presentations, both directly relevant to the ongoing response to COVID-19:

- The City of Moncton's Alcide Richard provided an overview of lessons learned on a recent pilot project that converted Main Street to one-way traffic in an effort to provide more space for pedestrians and accommodate larger restaurant patios that meet physical distancing requirements.
- Andrew Northmore of Crandall Engineering (a Division of Englobe Corp.) discussed the

interprovincial border screening checkpoints set up by the Province of New Brunswick at its 7 crossing locations into Nova Scotia and Quebec, with a specific focus on the traffic control plans that were developed to support the efficient and safe movement of vehicles through these sites and protection of check point workers.

The session, held on Google Meet, had more than 70 attendees from across the Atlantic region and served as an informative entry for our section into the world of virtual sessions. A special thanks to our speakers and CITE's Steven Garner, who was a huge help in coordinating the session. You can check it out on YouTube [here](#).

Our Executive continues to meet virtually on a regular basis and is planning for additional activities over the next several months. These activities, in addition to potential virtual lunch & learn sessions, will include our Annual General Meeting and the swearing-in of our new Executive, which will take place following the election of a new Secretary / Treasurer this fall.

It's Time to Renew!

Don't Lose Your Access to a World of Ideas, People, and Resources



Find Out What Works

ITE is your source for a wide range of technical tools and solutions to the challenges you face every day.

Build Your Network

When you join ITE, you gain opportunities to connect locally, regionally, and internationally, virtually and in-person.

Stay Ahead of Industry

ITE's suite of communication channels not only keeps you in the know, but helps you sort out fact from fiction.

Join more than 16,000 transportation professionals who are passionate about improving the communities they live and work in. Gain access to the critical ideas, people, and resources you need to get your job done. Renew your membership today!



Go to www.ite.org to renew.

University of Windsor

The University of Windsor is proud to announce the inception of the newest student chapter of CITE. Representing research areas including road safety analysis, driver behaviour modelling, freight transportation analysis, land use and transportation modelling, and transportation network analysis, the student members are eager to raise the profile of transportation. As home of the Transportation Systems Innovation lab and Cross-Border Institute, the University of Windsor offers many avenues for student involvement with transportation work. The chapter plans to introduce a speaker seminar series to explore different perspectives from academia and industry and shed light on transportation research, issues, and opportunities.

The chapter's inaugural team includes:

- **President:** Georgiana Madar-Vani
- **Vice President:** Terence Dimatulac
- **Secretary:** Dhwani Shah
- **Treasurer:** HaeSung Ahn
- **Faculty Advisor:** Dr. Hanna Maoh



University of Windsor

Welcome to CITE's
newest student
chapter!

Mohawk College

Prior to the COVID-19 lockdown, Mohawk College's ITE Student Chapter held a meet and greet for students within the Civil Engineering Technology-Transportation program on the evening of February 13, 2020. The event was well attended and it was encouraging to see students of various levels in the program network and build relationships to strengthen their success for their futures. Plans are in the works to expand these types of events and a special thanks to Creighton Chartier, Benjamin John, and Melissa Lachance for planning and organizing.

With Mohawk's close proximity to McMaster University, we are working on improving the engagement between the two chapters. As such, we're organizing an annual event where Mohawk College will host McMaster University chapter students to teach transportation modelling software. This year, the

event had to be cancelled, but online tutorial videos and lab work to demonstrate PTV Vistros software were sent to the McMaster Chapter. Special thanks goes to Craig Sherwood, Mohawk's Student Chapter Faculty Liaison, for organizing the videos and lab work

In addition to the above, the Mohawk and McMaster Student Chapters and the ITE Hamilton Section are aspiring to collaborate more closely. The presidents of all three groups met virtually to brainstorm ideas for the future. With students' lack of funds being an issue, ITE chapter students were able to attend a free virtual presentation on Diverging Diamond Interchanges organized by ITE Hamilton's section on August 27, 2020. A special thanks to Hossein Hosseini from the MTO and Jack Thompson from Thompson Ho Transportation Incorporated for conducting the presentation.

McMaster University

The ITE McMaster Student Chapter spent the summer planning our online presence for the virtual 2020-2021 academic year. We started off the fall semester with a few well-received events.

Transportation Talk 1 - Rail and Transit

On September 17, we virtually hosted two guest speakers who provided students with a glimpse of the Rail and Transit sectors. Our first speaker was Matthew Lee, a Senior Transportation Planner with Metrolinx. He spoke very passionately about the planning systems that Metrolinx employs to offer both comfort and efficiency to its users. He also provided his opinions about the challenges created by the COVID-19 pandemic.

The second speaker was Parinaz Bazeghi, a Digital Project Manager working for UIC in France. She presented the incredible railway systems that have been developed in Europe and some variations that have been introduced in the Canadian Railway industries. She also spoke about how she overcame the challenges she has faced as a Project Manager.

Civil Engineering Society Information Night

On September 30, a few upper-year representatives from the chapter volunteered to provide first- and second-year students with advice about the transportation discipline and potential careers. We traded stories about perspectives on graduate studies, industry internships, and adjusting to the virtual university experience. The event was an excellent opportunity to recruit new members to the chapter and provide some mentorship to the Civil Engineering community.

Transportation Research Seminar 1

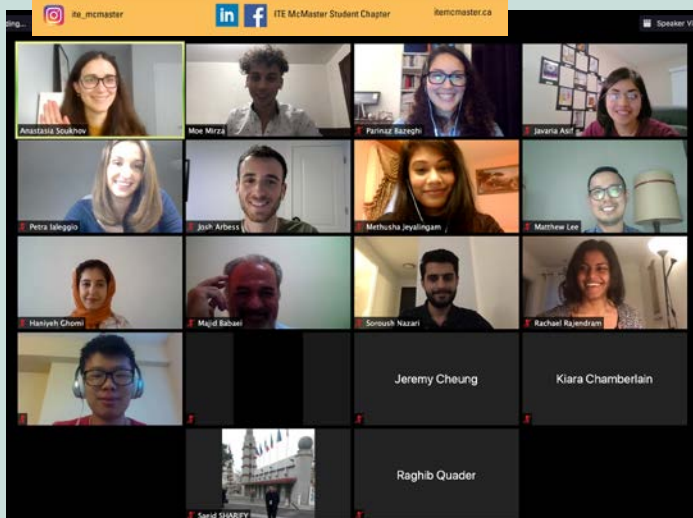
On October 1, we launched our first virtual transportation research seminar series. We virtually hosted two respected McMaster University professors: Dr. Moataz Mohamed from the Civil Engineering Department and Dr. Antonio Paez from the School of Earth Environment and Society.

Dr. Mohamed and Dr. Paez shared their research topics and some inspirational words about pursuing

academia and contributing to transportation research. Ideas relevant to both Engineering and Geography disciplines were exchanged. It was also an excellent opportunity for students who have taken undergraduate courses with the professors to connect with them outside of the virtual classroom.

CITE Traffic Bowl

On October 5, three ITE McMaster members, Methusha, Karim, and Minhao, participated in the first-ever virtual CITE Traffic Bowl! We placed second after the ITE York University Team. While we studied hard, we are happy to congratulate ITE York on their win and on representing the CITE District in the international competition.



Transportation Talk 2 - Traffic Data

On October 8, ITE McMaster invited Sajad Shiravi, Product Manager at Miovision, to speak at our second virtual Transportation Talk. He provided our audience with a sneak peek at some of his work focused on acquiring new sources of traffic data and using methods to turn the data into measurable impact. Our undergraduate students learned about intelligent systems and discussed some of its advantages to understand the current traffic system. At the event, we had representatives from the City of Hamilton join us and listen to some of the work that Sajad has done. The event was a tremendous success, and it was an excellent learning opportunity for our prospective students.

Transportation Research Seminar 2

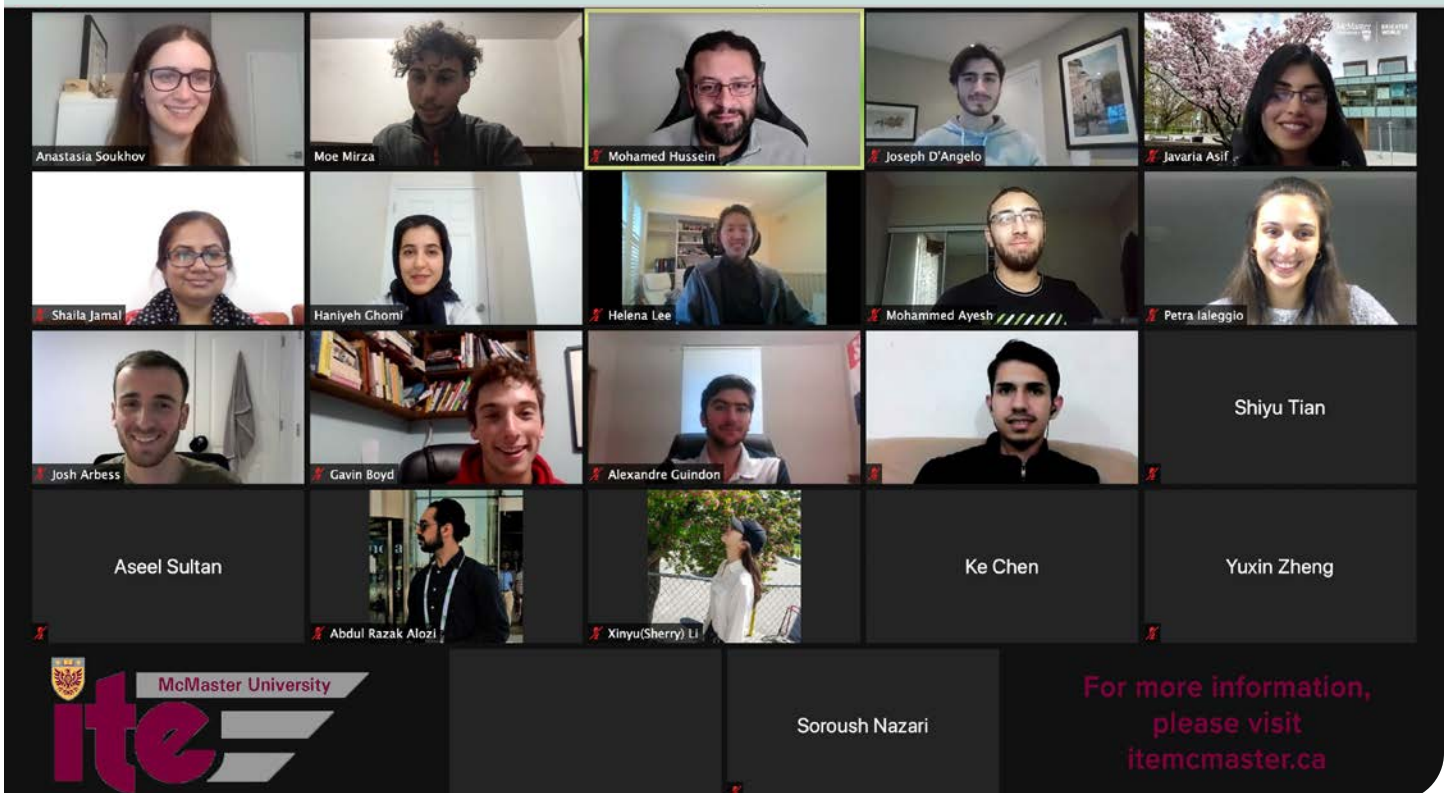
On October 29, we hosted two esteemed researchers at our second Transportation Research Seminar. Assistant professor Dr. Mohamed Hussein from the Civil Engineering Department at McMaster and PhD Candidate Shaila Jamal from the McMaster School of Earth Environment and Society.

Dr. Hussein spoke about the importance of road safety and his research in trying to reduce road accidents every year. He also spoke about safety issues associated with vulnerable road users and some modelling approaches he has implemented in his many research projects and partnerships with the public sector. Shaila Jamal shared her work with Dr. Bruce Newbold on the differences between transportation travel behaviour across generations in Hamilton. Her work provides insights into what the future may hold in terms of getting people out of their cars and onto public transit.

Overall, both presenters provided our students with very insightful topics and the event was a big success.

Upcoming Events

We are looking forward to a few upcoming events in November; namely the third installments of our Transportation Talk and Transportation Research Seminar and the Synchro Crash Course Tutorials! Event attendees were extremely engaged during our events and the chapter received feedback on how to improve.



student chapter news

York University

The ITE York University Student Chapter has been working through the summer of 2020, gearing up to tackle the unique challenges of the year ahead!

New Executive Committee Members

The chapter held its executive elections on March 19th to elect new members for the executive committee. We, the new executives, are pleased to introduce ourselves and look forward to what's to come.

Timothy Young, President

Timothy (Tim) Young is a second-year master's student studying Civil Engineering at York University. Tim received his Bachelor's degree in engineering from Carleton University in 2019. His research interests include pedestrian modelling, public transportation, rail systems, autonomous transit systems, and transportation terminal design. He is well versed in pedestrian modelling and is very interested in passenger rail systems. He is currently working on modelling human behaviour in intercity transportation facilities.



Kathursan Loganathan, Vice-President

Kathursan is a fourth-year undergraduate student studying Civil Engineering at York University. Kathursan has been heavily interested in looking at the challenges in the transportation sector and how they are tackled in the modern-day world through planning, operations, design, and research. Kathursan area of interest includes freight transportation, geographic information systems (GIS), and transportation planning. Kathursan was Secretary of ITE (2019-2020) and now is Vice-President (2020-2021).



Samee Saiyed, Secretary

Samee is a 4th year Civil Engineering undergraduate student at York University. Samee is interested in transportation infrastructure, transit,



autonomous vehicles, and many other aspects of the continuously evolving field of transportation engineering. He has experience working on traffic and transit projects throughout the GTHA and has performed research on how transportation systems throughout North America have been impacted by the COVID-19 pandemic. Samee aspires to help society deal with pressing transportation issues such as the transition to environmentally friendly modes of transportation and the management of traffic and public transit.

Ucchas Saha, Treasurer

Ucchas Saha is a MASc second-year civil engineering student at York University. He obtained his undergraduate degree in Bachelor of Urban and Regional Planning from Bangladesh University of Engineering and Technology (BUET) in 2018. He has profuse experience in Public-Private Partnership projects which he gained during his time on Dhaka Bypass Expressway Development Company Limited. His research interest mainly includes transportation planning, freight transportation, traffic modelling, microsimulation, operation research, and system analysis, etc. Currently, he is working on the safety measurement of Long Combination Vehicles (LCVs) on Ontario roadways.



Events, Awards, and Recognitions

The York University student chapter is proud to receive the 2020 Outstanding Student Chapter Award from CITE. We are thankful to CITE for honouring us with this award and look forward to more great things to come!



Special congratulations to Elanakayon Annalingham, Ginelle Aziz, and Team Captain Mohammed Mohammed, who participated in and won the CITE Virtual Traffic Bowl! The team recently represented the Canadian District for the first time at ITE's Grand Championship on October 21st but was eliminated by Brigham Young University in the semifinals.

The team said that it was a great experience for all of them to participate in the traffic bowl competition, providing them with the opportunity to expand their transportation knowledge and teamwork skills. Winning the Canadian District competition for the first time and participating in the grand championship was a tremendous honour. We would like to thank the ITE leaders, organizers, and all the volunteers for their efforts, ensuring that the traffic bowl could continue despite the challenges of 2020. It is much appreciated!

Our first seminar was hosted on October 13, with guest speakers Ed Myers and Dr. Zachary Bugg from Kittelson & Associates presenting modern roundabout design in Roundabouts 101. This seminar was also the first to be hosted remotely using a combination of Zoom and Youtube Live to ensure that both ITE YorkU members and members from outside the chapter could attend. A big thank-you to Kittelson and Associates for presenting!

Our second seminar was hosted on November 3rd, focusing on main street design and managing transportation demand. This seminar involved multiple guest speakers and presentations. Niki Siabani and Saikat Basak from the City of Toronto presented the planning and delivery of the Destination Danforth Complete Street Project as part of Toronto's COVID-19 Response, Paul Grove and Mehemed Delibasic from the City of Vaughan and McIntosh Perry presented Rethinking Parking Strategies and Planning for Change in Vaughan's historic Kleinburg Village, and Sheikh Alam presented the Planning and Design of Multimodal Streets through Secondary Plan processes. Like our previous seminar, we hosted this remotely using both Zoom and Youtube Live to allow everyone to attend. We would like to thank all the guest speakers for presenting, and look forward to hosting more seminars in the near future!

Club Information and Contact

For information about our student chapter or to view our latest annual report, visit our website at ite.club.yorku.ca. Please let us know if you would be interested in speaking at one of our next year's events or if you are interested in sponsoring us. You can email us at ite@yorku.ca or visit us on one of our social media pages. We also encourage you to watch our latest [our informational video on YouTube](#).



York University's winning Traffic Bowl Team.
L-R: Team Captain Mohammed Mohammed, Elanakayon Annalingham, and Ginelle Aziz.



Main Street Design Seminar

student chapter news

Carleton University

The CITE Carleton Student Chapter started their fall semester with the Carleton Expo, a club exhibition event held live on Twitch. The live stream attracted about 30 viewers and new members signed up to join the club. During the Expo, many first-year students were introduced to the chapter and were informed of the services and benefits of joining the chapter. To better engage the participants, previous accomplishments and events were discussed.

To allow students to see who we are, and what we do, we made a brief welcoming video that was presented during the Expo livestream. In the video, our club President, Bomo Dambo introduced the club and spoke about the club after which the current executive members welcomed the new members.

The next event that took place was "Transportation Engineering 101" which was a virtual presentation for members of the club. This event aimed to introduce students to all the fun aspects of Transportation Engineering.

During the event, breakout room sessions were held where executive members better interacted with the participants and discussed their journey with CITE and all the experiences they had. We also had fun playing

an engineering Bingo game. At the end of the event, a giveaway of an Amazon gift card was given to a lucky participant. The event was a great success and that left students looking forward to more.

The CITE Carleton Chapter just commenced its first-ever Mentorship Program in October. This program is spearheaded by the Vice-President, Chichi Nzelibe. Our intention is to allow students to directly connect with professionals in the industry and build a solid network. Each registered student gets paired up with a mentor who will guide them throughout the program. Mentors have topics each week to be discussed and weekly meetings with their mentees will be held.

We have planned future events for the club such as the #AskMeAnything sessions to be held in collaboration with the members of the NCS section and university professors.

Despite, the changes in the world, Carleton's CITE Chapter is dedicated to keeping the momentum going and promoting transportation engineering to students. We are excited about what the future holds for us.



Connect with CITE



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itecanada



Canadian Institute
of Transportation
Engineers

congratulations & welcome

*CITE extends a warm welcome to all
new Canadian District ITE members who recently joined our community!*

Ihtesham Ahmad, P.Eng., City of Toronto, Toronto, ON

Rizwan Ahmad, Lakehead University, Thunder Bay, ON

Yogesh Kishor Alwani, LEA Consulting Ltd, Markham, ON

Josh Arbess, McMaster University, Hamilton, ON

Ginelle Aziz, York University, Toronto, ON

Fahad Mir Baloch, Lakehead University, Thunder Bay, ON

Katerina Bisbicis, EIT, City of Toronto, Toronto, ON

Jared James Blair, Lakehead University, Thunder Bay, ON

Tristen Allen Brown, Lakehead University, Thunder Bay, ON

Ryan Buick, Lakehead University, Thunder Bay, ON

Matthew Buttrum, Thornton, ON

Dania Lissette Carrillo, Burnaby, BC

Chris Chahil, City of Hamilton, Hamilton, ON

Monica Chen, EIT., LEED GA, City of Toronto, Toronto, ON

Wai Tsun Cheung, Coquitlam, BC

Benjamin Corbett, University of British Columbia, North Vancouver, BC

Garfield Dales, City Of London, London, ON

Bomo Dambo, Carleton University, Ottawa, ON

Diana Dang, City of Toronto, Toronto, ON

Gregory De Tina, City of Hamilton, Hamilton, ON

Camille Eva Despres, Lakehead University, Thunder Bay, ON

Rayman Singh Dhadda, City of Toronto, Toronto, ON

Terence Dimatulac, University of Windsor, Windsor, ON

Philip Duke, Lakehead University, Thunder Bay, ON

Hilary A. Enns, City of Calgary, Calgary, AB

Eric Fornwald, Lakehead University, Kelowna, BC

Jacob Forrest, University of British Columbia, Vancouver, BC

Marcel Fuchs, Lakehead University, Thunder Bay, ON

Alia Galal, University of Toronto, Toronto, ON

Cody Gerow, City of Vancouver, Canada, Vancouver, BC

Kolby Giesler, Lakehead University, Thunder Bay, ON

Sean Gillies, University of New Brunswick, Fredericton, NB

Justin Godard, City of Toronto, Toronto, ON

Adrian Jordan Goetsch, Lakehead University, Thunder Bay, ON

Damien Marcus Grayda, Lakehead University, Winnipeg, MB

Rebecca Gysbers, McMaster University, Hamilton, ON

Shiva Haji Hashemi, Parsons Inc., Thornhill, ON

Aidan Hallsworth, University of Toronto, Toronto, ON

Matthew Michael Hamer, Lakehead University, Thunder Bay, ON

Ahmad Hassan, University of Windsor, Mississauga, ON

Hala M. Hassan, Lakehead University, Thunder Bay, ON

Julfiker Hassan, P.Eng., City Of Toronto, Toronto, ON

Lucas Ho, Lakehead University, Thunder Bay, ON

Dale Hoban, E.I.T., City of Vancouver, BC, Canada, Vancouver, BC

Garret Hoegi, Lakehead University, Thunder Bay, ON

Michelle Hogler, City of Toronto, Toronto, ON

Donna Howes, Howes Technical Advantage Ltd., North Vancouver, BC

Lorraine Huinink, RPP, MCIP, Regional Municipality of Durham, Whitby, ON

Jennifer Huynh, Mohawk College, Hamilton, ON

Petra Ialeggio, McMaster University, Hamilton, ON

Oghosa Ayodeji Idahosa, University of Calgary, Calgary, AB

Methusha Jeyalingam, McMaster University, Hamilton, ON

Trevor Jones, University of British Columbia, Vancouver, BC

Titus Joseph, City Of Toronto, Toronto, ON

Alhussain Gamal Eldin Kaneen, Lakehead University, Thunder Bay, ON

Maria Kavanagh, Regional Municipality of York, Newmarket, ON

James Kay, City of Kelowna, Kelowna, BC

Ishwor Khatri, Lakehead University, Thunder Bay, ON

Amirhossein Khodabakhshi, EIT, City of Mississauga, Toronto, ON

Chris King, City of Hamilton, Hamilton, ON

Yakeza Koneswaran, McMaster University, Hamilton, ON

Joseph A. Kruijs, E.I.T., City of Calgary, Calgary, AB

Yash Kulshreshtha, University of Toronto, Toronto, ON

Michael Kyeremateng, York University, Toronto, ON

Continued on page 39...

congratulations & welcome

Bren Daner Lapuz, York University, Toronto, ON
Hanna Lavoie, Lakehead University, Kaminitiquia, ON
Michelle Lee-Hunt, City of Vancouver, Canada, Vancouver, BC
Elysia Leung, MCIP, RPP, City of Toronto, Toronto, ON
Ron Lewis, Ministry of Transportation of Ontario, London, ON
Baichen Li, Lakehead University, Thunder Bay, ON
Vivienne Li, University of Alberta, Edmonton, AB
Tessa Lyn Littlefield, Lakehead University, Thunder Bay, ON
Marcela Lopes, University of Calgary, Calgary, AB
Austin Louis, City Of Toronto, Toronto, ON
Nick Lovett, Access Planning, Vancouver, BC
Jieying Ma, University of British Columbia, Vancouver, BC
Jacob Malleau, Vancouver, BC
Luiz Manfre, City of Vancouver, Vancouver, BC
Robin Marinac, CGH Transportation Inc., Newmarket, ON
Tricia Martinez, York University, North York, ON
Kendra McTavish, Lakehead University, Thunder Bay, ON
Abdulsamad Mohammed, University of Alberta, Edmonton, AB
Muhammad Akbar Nasim, Lakehead University, Thunder Bay, ON
Pawnee Nawaratna, Lakehead University, Thunder Bay, ON
Faith Larissa Nayko, University of Calgary, La Glace, AB
Jason Neill, City of Toronto, Toronto, ON
Caroline Ngan, City of Vancouver, Vancouver, BC
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Michael Petar Nikolich, Lakehead University, Thunder Bay, ON
Vedprakash Nothoo, Ryerson University, Whitby, ON
Damilare Olaniyan, Stantec, Brampton, ON
Caitlin Olinski, Lakehead University, Thunder Bay, ON
Felipe Osorio, CET, City of Toronto, Toronto, ON
Cindy Ou, City of Toronto, Toronto, ON
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Darsheel Patel, York University, Brampton, ON
Alice Phu, University of Windsor, Windsor, ON
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Brad Michael Porter, Stantec Consulting Ltd., Stoney Creek, ON
Chris Pyykkonen, Lakehead University, Thunder Bay, ON
Siyuan Qiu, University of Waterloo, Waterloo, ON
Khalil Al-karim Rashid, Lakehead University, Thunder Bay, ON
Ziyad Sahlane, Lakehead University, Thunder Bay, ON
Eric Matthew Sampson, Lakehead University, Thunder Bay, ON
Daniel Samson, P.Eng., City Of Toronto, Toronto, ON
Fadi Sarem, Mohawk College, Hamilton, ON
Ragu Nathan Satgunanathan, RA Engineering Inc., Newmarket, ON
Peter Scholz, Cairnstone Planning, Empress, AB
Matthew Joseph Scott, Lakehead University, Thunder Bay, ON
Jacob M. Sgambelluri, Lakehead University, Thunder Bay, ON
Salman Mohammad Shakir, University of British Columbia, Vancouver, BC
Kenneth Shannon, Ministry of Transportation of Ontario, St. Catharines, ON
Davesh Sharma, University of Alberta, Edmonton, AB
Kaitlyn Shypitka, Lakehead Engineering, Thunder Bay, ON
Rhett Soderberg, Saskatchewan Ministry of Highways and Infrastructure, Prince Albert, SK
Manvir Sohi, Vancouver, BC
Colby Storey, University of New Brunswick, Fredericton, NB
Haider Talib, AECOM, Ottawa, ON
Yifei Tao, University of Alberta, Edmonton, AB
Frank Tassone, Regional Municipality of Niagara, Thorold, ON
Jeremy Tse, E.I.T., City of Vancouver, BC, Canada, Vancouver, BC
Pieter Van Driel, Lakehead University, Thunder Bay, ON
Jacqueline Van Vliet, City Of Toronto, Toronto, ON
Rahanuma Wafa, P.Eng., City Of Toronto, Toronto, ON
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