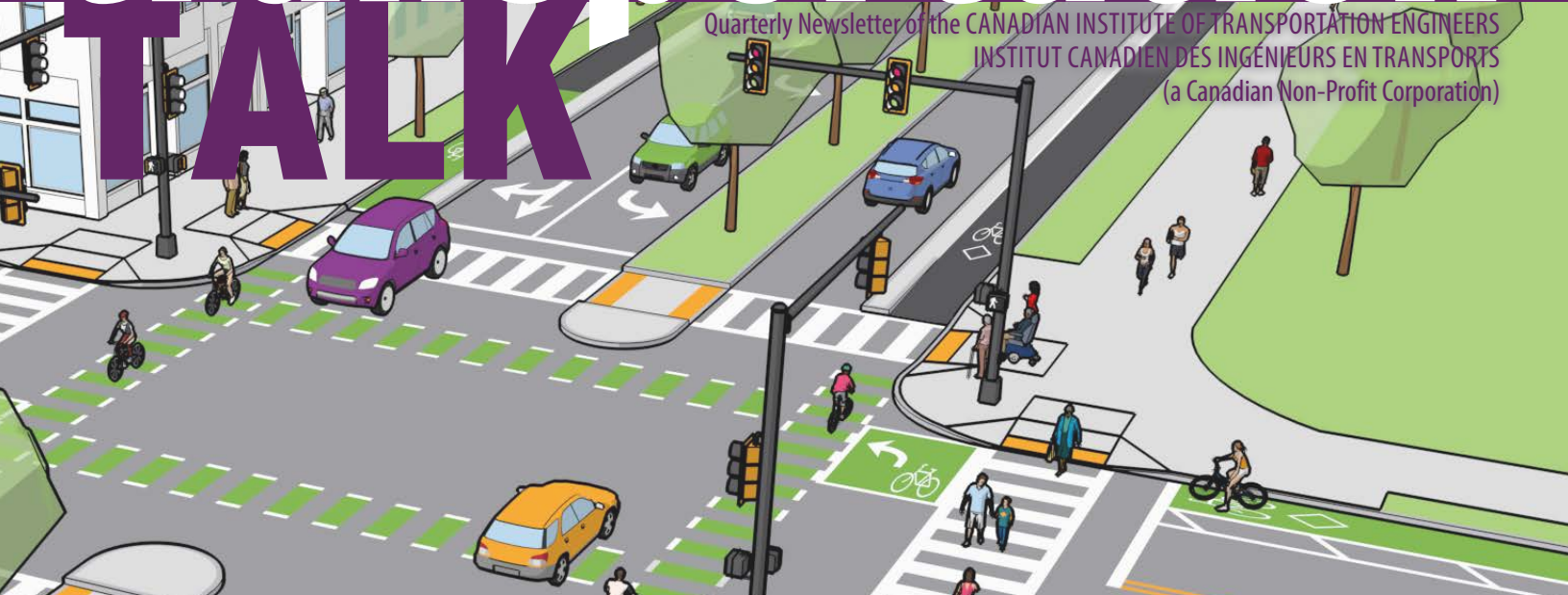


transportation

TALK

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



2021ite

June 8-10 • Virtual Conference

Preview the packed program coming to CITE's Annual Conference including plenary speakers, technical sessions & tours, CITE traditions and more!

Integrating Safe Mobility

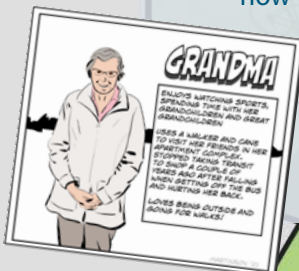
Laura Contini dives into Edmonton's *Safe Mobility Strategy* for achieving Vision Zero with a particular focus on identifying inequity and Gender-based Analysis Plus

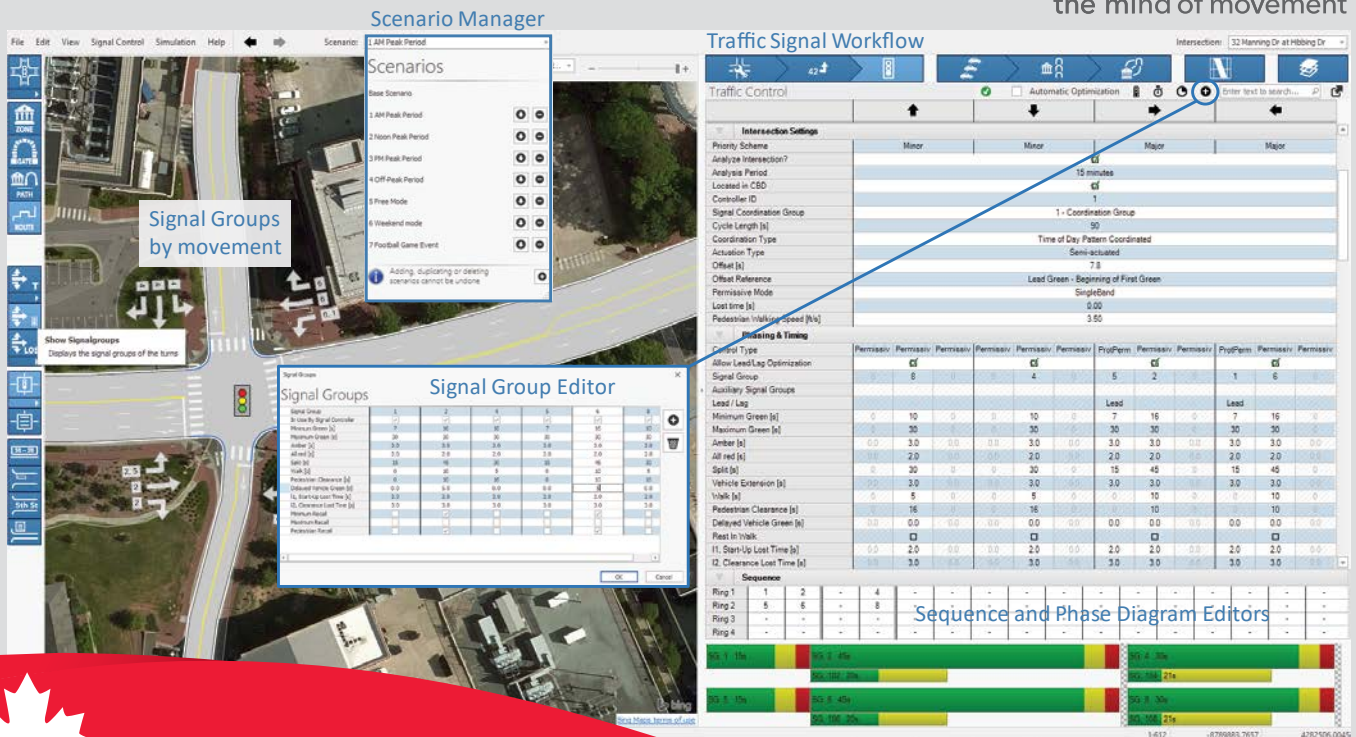
Intersections for Everyone

CITE announces our newest professional development opportunity, a training workshop on how to plan, design, and balance the needs of all transportation modes at intersections

New Comic: Rumble Strips

Introducing a new feature by *Ryan Martinson* to shine a light on the many diverse types of transportation users and how we can better serve them





PTV Vistro's versatile traffic signal workflow solves the daily tasks of traffic operation engineers

Traffic signal analysis and optimization workflows with PTV Vistro.

Have you experienced PTV Vistro's efficient traffic signal analysis workflows and optimization? Take our modern interface for a test drive! PTV Vistro specifically solves the daily tasks of traffic operation engineers. Powerful features like our signal groups editor, built-in leading pedestrian intervals, flashing don't-walk estimation, and automatic local optimization toggle provides an unparalleled workflow.

Our versatile tool kit allows for the fast construction of default NEMA or custom controller sequences for both simple and complex intersections. Colorful phase diagrams display both vehicle and pedestrian split times with interactive slider controls. Also, route-based time-space diagrams display the efficiency of network optimization. Furthermore, built-in Vissim export and animation preview tools confirm setup details and operations.

Remarkably, sharing a signal controller at multiple intersections is easy- and is not a cluttered cluster. PTV Vistro shows the entire sequence, phase diagram, and indicates locally used phases at each intersection. Notably, this makes for an intuitive setup of tight-diamond interchange terminals or signalized offset intersections.

PTV Vistro's integrated scenario manager effortlessly examines modifications to traffic signal timings and creates your peak-period timing plans. Moreover, one-click duplication of scenarios enables on-the-fly experimentation of traffic signal timing and coordination. This keeps your current timings untouched and combines all of your tests in one managed file.

Importantly, PTV Vistro implements the Highway Capacity Manual (HCM) and the Canadian Capacity Guide (CCG) methods.

[Read our in-depth knowledge base article and learn more about PTV Vistro's traffic signal analysis capabilities.](#)

Contact us at info.ca@ptvgroup.com for more information.

features

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Introducing a new comic feature highlighting different transportation user groups
- 11 **CITE 2021 Virtual Annual Conference Preview**
Registration is open for CITE's first virtual conference! Get a sneak peek at the diverse program, including plenary and keynote speakers, coming to you this June.
- 21 **Member Highlight: Marian Mithani**
Meet one of our dedicated volunteer TAC Appointees
- 24 **Project Profile: Edmonton's Safe Mobility Strategy**
Laura Contini dives into this strategy for achieving Vision Zero in Edmonton with a particular focus on identifying inequity and the use of Gender-based Analysis Plus
- 29 **In Memoriam: Alan Clayton**
Remembering the 2008 winner of CITE's H. Robert Burton Distinguished Service Award and influential force in Canada, and notably Manitoba's, transportation community

CITE/ITE news

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president's ponderings



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

Normally for my President's message, I like to highlight all the wonderful things that are happening in transportation across Canada and the many news pieces in *Transportation Talk*. Certainly we have lots to share and celebrate like a preview of our upcoming virtual conference; a new training offering from CITE on designing *Intersections for Everyone*; results from our CITE Executive elections; the start of a feature called *Rumble Strips* highlighting the various user groups we serve; news from our ITE Appointees on their councils and committees; and an article on Edmonton's *Safe Mobility Strategy*, winner of the Northern Alberta Section 2020 Project of the Year award.

But over the last month or so, I have been thinking about some of the things we don't talk about enough like mental health as it relates to our work and how it touches other parts of our lives. As leaders, it's important that we are open about and acknowledge the challenges that the pandemic brings. I've been recording some of my thoughts on mental health over the last month to share here in case someone needs to hear it today.

- I am desperate for patio weather. Patios are my happy place—with friends, family, small groups, big gatherings, or by myself. Everything is more manageable when I'm sitting on a patio.
- My daily walk is usually for my health, but today I went out to escape (my animals, my kids, my desk, my house).
- I love virtual Council meetings and I may never attend one in person again if I can help it.
- As much as I thrive on social interaction, I have to be deliberate about setting up times to video chat with friends and family. For those of you who I've had the chance to visit with over the last year, seeing you on screen was the highlight of my day.
- Everything is not always awesome (sorry, Richard Parent!) and that's ok.
- If you had told me in 2019 that I would buy the kinds of things I'm buying online now, I would never have believed you.
- There were cat prints in the snow outside my house this morning and I think my cat has been conducting pandemic visits through the window.
- There have been a lot of days lately where my family needs more from me than I can possibly give and the guilt is overwhelming.

president's ponderings

- I miss the cafeteria at the Region of Waterloo. I like their flavoured coffee and the flavoured coffee at home just doesn't taste the same.
- My neighborhood walking buddy and I had a walk this week where we talked about things that suck and deliberately tried not to "look on the bright side." It's healthy to spend time acknowledging all of the things we're feeling without forcing ourselves to look for a silver lining. That's for another day.
- I am deeply exhausted and I don't know how to fix it.
- Have you read the [article](#) that's circulating on social media about "languishing"? If that describes how you've been feeling, you're not alone!
- When the lockdown is finally over, I may start hugging random strangers on the street just because I can. There's going to be a lot of hugging when we get together in Vancouver for our conference in 2022.
- I'm worried about our students. Launching a career is difficult at the best of times and this is not the best of times. Without the usual connections to industry, it will be hard for them to find their way to where they belong. Reach out to a student today to let them know that we need them, that there will be a place for them, and that it will be okay.
- My mental health toolbox includes a chat with a good friend, yoga, puzzles, and walking. It also includes chocolate, wine, and twizzlers.
- I have played more Monopoly, Yahtzee, and Battleship than I care to admit over the last year.
- It's okay to fall apart sometimes - tacos do and we still love them! Ok, I stole that one...but it's a good one!

Friends, this is a time of struggle and you are not alone in your struggle. Stay connected, look out for each other, reach out if you need someone, and don't feel like you have to have it together all the time. Be real to one another and let's make mental health an ongoing part of our vocabulary.

Julia Falvini



from the district director



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

Dear members,

I write this message from the start of the spring IBOD meetings (International Board of Direction). While I may be the only caller still experiencing snow, it's a great group and I really enjoy learning and contributing to how much goes on within ITE. I'm pleased to share that the news from ITE is very positive. Membership—especially in the public sector—remains strong, as is participation, enabled by so many virtual offerings. In fact, this year's spring technical conference saw high registration levels including more than 50% of attendees who had never attended an in-person conference. We are learning so much and planning for a future where more ITE members can interact, independent of their ability to travel.

Another way our industry has changed in recent years is through a heightened focus on equity of outcomes for the travelling public. In response, ITE is hosting this year's listening sessions around that topic. I encourage you to participate in one of these free and virtual sessions. Building a collection of awareness and tools will help us individually and as an organization to learn to bring insight to our work and remove barriers to vulnerable groups of society. Further, having participated in the committee organizing these sessions, I can confirm just how carefully ITE is considering the content that will be generated. Finally, I would like to thank two Canadians for accepting opportunities to be involved: Abby Scaletta (Manitoba Section) for taking on the role of Project Manager and Mariana Brussoni (CITE 2019 Keynote Speaker) for contributing her research.



OneITE is an ongoing initiative that recognizes that most ITE members interact most closely with their home Section. Given that this relationship is so important, ITE has invested time and energy to support Sections to deliver a great experience, including technical, networking, and leadership opportunities. Two important and new initiatives are the launch of a new online [resource centre for Districts, Sections and Chapters](#) and the striking of a committee to continue OneITE initiatives. I'm pleased that Ryan Vanderputten, incoming CITE President, was selected to represent us. As someone responsible for delivering our new strategic plan, he has the perfect vantage point to participate.

Supporting students remains a priority and, as COVID restrictions ease, we need to help our chapters reform and re-energize, particularly in Canada. I am so pleased to share that Jeannette Montufar (Manitoba Section) is involved in collecting ideas on how to support students and transition to holding professional memberships. Jeannette's dedication to students in Canada and her years of inspiring the University of Manitoba Chapter as their Advisor make her the perfect candidate to represent us.

Two important elections were held this quarter and there are so many individuals to thank. First, internationally, I wish to thank Gene Chartier. Having participated on the nomination committee, it was such a pleasure to see him impress the panel and be selected to run for ITE's highest office. While it would have been great to see a Canadian be successful this round, it's also a pleasure to welcome Rosana Correa as incoming ITE International Vice President elect.

This year, CITE adopted some of ITE's election practices including the formation of a nomination committee to seek strong candidates and provide more information to members to run and plan for a future election. Thank you to Meera Kopp (Southern Alberta Section), Doug MacRae (Southwestern Ontario Section), and Jean-Philippe Desmarais (Quebec Section) for joining me on this first such committee. Edward Soldo, incoming District Director, will be bringing some lessons learned into a more formal election policy that will align with OneITE and serve us well going forward. Thank you to Irini Akhnoukh (Southern Alberta Section) and Ian Roth (BC Interior Section) for running and congratulations, Irini, for being successful in this year's election. We are lucky to have two talented and long-standing volunteers aspire to take this next step.

I will leave you with a couple of technical offerings to consider. First, ITE recently announced that the [2021 ITE Annual Meeting](#) will be held as a virtual event. The technical program has been announced and registration is open. Finally, consider listening to Ryan Russo, a really inspiring leader in transportation, in the latest episode of the [ITE Talks Transportation podcast](#).

Stay warm and safe,



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

PRESIDENT (ACCLAIMED) 2022–2023



Ryan Vanderputten, M.Eng., P.Eng.

Director, Transportation Planning, The City of Calgary
Southern Alberta Section

I have been a member of ITE since 1999 and an active participant in four sections (Toronto, BC Interior, Southern Ontario, and Southern Alberta) over my career. I'm

involved in a variety of ITE committees and councils including the Public Agency Council Executive, the *LeadershipITE* Executive, and the ONE ITE Task Force and am a graduate of the *LeadershipITE* program.

CITE Strategic Plan

In October 2019, the CITE Executive, along with a few selected members from our organization, met in an initial strategy development workshop to develop and finalize an inquiry process into critical and persistent issues preventing CITE from maximizing its impact and to begin to develop a set of guiding principles. Subsequently, we held a strategic planning session for the CITE Board of Directors to confirm the mission, guiding principles, and priority areas and goals. These would generally define who we were, what we believed in, and where we were going. Based on these workshops, the Board developed priority strategies to focus on in the next few years. The result was a comprehensive strategic plan that would guide the Board's decision making through to 2024.

Since the Board adopted the strategic plan, several initiatives were assigned resource leads to guide implementation. These resource leads have initiated a review of opportunities and have kicked off the priority activities. The pandemic has slowed progress in some areas, but has advanced other priority areas, highlighting the nimble and flexible approach of the plan.

Moving into 2021

The COVID-19 pandemic has had a significant impact on our lives, both personally and professionally. Mobility patterns have changed significantly in our cities and across the country, and there is uncertainty in what the lasting effect will be on travel behaviour. But we are resilient. While we have not been able to meet in person for over a year, many section and district activities have adjusted to meet virtually. This June, we will host our first ever Virtual District Conference, with a technical program curated by our 'National' Arrangements Committee. Our CITE Awards Ceremony and Collegiate Traffic Bowl will also return in a virtual format. We continue to explore technical training opportunities for our members, leveraging partnerships with both TAC and ITE to provide greater access to relevant resources.

Our student members are struggling, however, with many post-secondary institutions still operating in a remote learning environment. Our public agencies are facing an uncertain future, with financial limitations for memberships and development. But we are still Canada's community of transportation professionals, and we will continue to provide opportunities to learn, connect, contribute and grow to best meet the needs for safe and healthy mobility in Canada.

Please reach out to me (rvanderputten@cite7.org) if you have any questions or ideas on how we can continue to grow as an organization. I look forward to being able to reconnect with many of you in person as we come out of this unique and challenging time.

A handwritten signature in black ink that reads "Ryan Vanderputten". The signature is stylized and written in a cursive-like font.

The Call for Nominations for the Canadian Institute of Transportation Engineers (CITE) Executive Committee closed on March 15, 2021. An election was held for the position of Secretary-Treasurer by electronic ballot. All other positions have been acclaimed and will be ratified at the next Annual General Meeting. The 2022–2023 District Executive Committee will also include Julia Salvini, Past President. The District Director position is a three-year term, 2022–2024.

VICE-PRESIDENT (ACCLAIMED) 2022–2023



Pedram Izadpanah, Ph.D., P.Eng.

Partner & Vice President, TES Information Technology
Hamilton Section

My involvement with CITE began at the University of Waterloo ITE Student Chapter. While serving as the President of the student chapter, I

attended the CITE Conference in Victoria where John McGill tapped on my shoulder. That was the start of how I served on the CITE Technical Liaison Committee (TLC) for almost 10 years. This opportunity allowed me to learn tremendously from the giants of CITE and build great friendships in the CITE community. During close to 10 years of service at the TLC, I interacted with section executives, student chapters, and the general membership to identify the technical needs of our members. Additionally, I have been able to serve our CITE community in the following capacities:

- ✓ Vice Chair of the TLC;
- ✓ TLC representative on the ITE Coordinating Council;
- ✓ Member of the ITE Safety Council; and
- ✓ CITE appointee to the TAC Road Safety Standing Committee.

In 2019, I was sworn in as the Secretary-Treasurer of CITE serving our membership along with other executive members.

By profession, I am a partner and Vice President with TES Information Technology in Burlington, Ontario where I practice road safety, traffic engineering, and big data. My philosophy is to utilize technology to collect, compile, and analyze transportation related data to assist road authorities in making better decisions.

I have had a fun ride in my career so far. I owe a debt to those who came before me in our industry, particularly CITE, and I would like to give back to our CITE family.

In 2020, before the start of the COVID-19 pandemic, CITE updated its strategic plan. As the incoming Vice President, I will assist the executives in delivering on the actions identified in this plan in collaboration with the amazing volunteers at CITE.

We are witnessing an exciting period of time in the life of CITE. The COVID-19 pandemic forced us to utilize the telecommunication technology more effectively to communicate and work for more than a year. Our 2021 conference will be our first virtual conference. Once the pandemic is behind us, we need to build on our experience during these difficult times to serve our membership more efficiently.

SECRETARY-TREASURER (ELECT) 2022–2023



Irini Akhnoukh, M.Eng., P.Eng., PTOE

Senior Transportation Engineer, The City of Calgary
Southern Alberta Section

I was lucky enough to become involved with CITE during my last year in undergrad at the University of

Manitoba as part of an immensely active and passionate student Chapter. I have carried that passion and involvement with the CITE/ITE family for the last 16 years through my involvement on the local, national, and international levels of the organization. As a member, I have served in all the roles on the Southern Alberta ITE Section Executive (from 2011 to 2018). I was also the Social Program Coordinator on the Local Arranging Committee for the 2013 CITE Conference held in Calgary. On a national level, I was the Co-Chair (2015-2017) of a new initiative called *excite* formed to help students, recent grads, and young professionals in transportation to get involved in CITE and develop in their profession. I served on the CITE Board for three consecutive years (2015-2017) in three different roles. I am the current past Chair for the Technical Liaison Committee, where I served as Chair for 2 years (2018 -2020) leading the committee through new initiatives and building the CITE presence both on TAC and ITE. On the international level, I have served on the ITE Traffic Engineering Council (TEC) where I was part of the Technical Projects Committee for two years (2013-2015). I also served as the Canadian representative on

the ITE Coordinating Council (2019-2020) and am currently serving as the Canadian representative on the ITE Transportation Planning Council executive.

On a professional level, I have over 15 years of experience in the public and private sectors leading and managing large and complex transportation planning studies, including corridor studies, functional planning studies, and transportation network reviews; implementing Complete Streets in retrofit and greenfield areas, organizing and facilitating collaborative community and public engagement events, dealing with various consultants and stakeholders, and working closely with Council and City officials.

As Secretary-Treasurer, I want to bring the experience I have gained over the last 16 years of involvement, as well as my knowledge and passion to the CITE executive to continue serving the members, bringing new initiatives, continuing to grow and being the go-to organization for anyone in the transportation field. I strongly believe in the role that CITE plays in the continued progress of the transportation engineering profession. Building strong connections to ITE, TAC, NACTO and other organizations, helps CITE stay ahead on new trends by providing networking and knowledge-sharing opportunities, as well as innovative technical products.

DISTRICT DIRECTOR (ACCLAIMED) 2022–2024



Edward Soldo, P.Eng.

**Director, Transportation Operations and Maintenance, City of Hamilton
Hamilton Section**

I have been a member of the Institute of Transportation Engineers since 1994, and have served the organization at the

Student Chapter, Section and District level. This includes serving as the Student Liaison/Faculty Advisor for the Mohawk College Student Chapter from 1999 to 2000, the Hamilton Section executive from 2002 to 2010, and most recently on the CITE District Executive for the last 8 years, including President of CITE and Chair of the Board of Directors (2018-2019).

During that timeframe, I had the opportunity to participate in the Leadership ITE program in 2018, as well as participate in the organization of CITE conferences across the country and serve as the CITE representative on the Chief Engineers Council at the Transportation Association of Canada. I have also participated in leadership roles with the Professional Engineer of Ontario, Municipal Engineers Association and the Regional Public Works Commissioners of Ontario.

My educational background includes a bachelor's degree in Civil Engineering from McMaster University, a Diploma in Public Administration from Western University and a Master's Certificate in Municipal Management from Schulich School of Business at York University. I am a registered professional engineer in Ontario.

Over the course of the last 26 years, I have worked in the consulting, educational and municipal environments. Through my current

role with the City of Hamilton as the Director of Transportation Operations and Maintenance, I have the pleasure of working with a multi-disciplinary team involved in all aspects of the transportation system, including planning, design, operation and maintenance of transportation mobility systems.

At home, I am the proud father of three university students: two planners and an engineer. As an avid cyclist and runner, you can usually find me training for some marathon or endurance event in my spare time.

Goals and Objectives


ITE has been an invaluable resource throughout my professional career. The opportunity to serve ITE and help others realize the benefits of the ITE organization are my motivation for serving as District Director.

As Director, I will continue to work with my colleagues on the Canadian District Executive and the District Board of Directors to advance the many successful CITE activities already underway, and promote new value-added initiatives that complement the CITE Strategic Plan.

At the International ITE level, I will work to make ITE more diverse and inclusive through further partnerships and outreach to complementary organizations and addressing the issues of transportation equity and justice while at the same time bringing forward the Canadian perspective to the International Board of Direction on operational matters.

Rumble Strips

BY RYAN MARTINSON



GRANDMA

ENJOYS WATCHING SPORTS, SPENDING TIME WITH HER GRANDCHILDREN AND GREAT GRANDCHILDREN

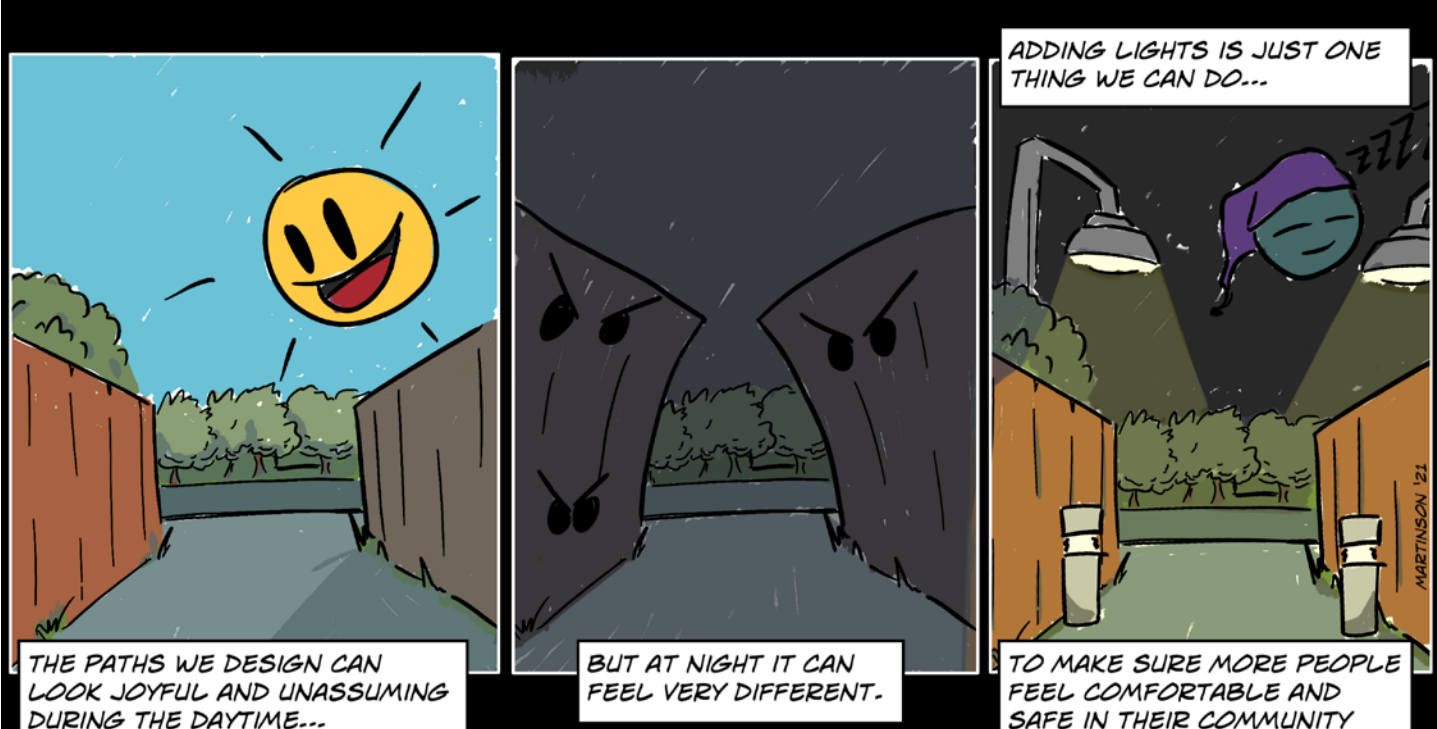
USES A WALKER AND CANE TO VISIT HER FRIENDS IN HER APARTMENT COMPLEX. STOPPED TAKING TRANSIT TO SHOP A COUPLE OF YEARS AGO AFTER FALLING WHEN GETTING OFF THE BUS AND HURTING HER BACK.

LOVES BEING OUTSIDE AND GOING FOR WALKS!

MARTINSON '21

The 'Who' and 'Why' of Transportation

In this new feature by talented CITE member and volunteer Ryan Martinson, we highlight the “who” and “why” of transportation. By better understanding the users of our transportation systems and their myriad needs and preferences, we can find solutions that better serve the public with empathy and thoughtful consideration.



THE PATHS WE DESIGN CAN LOOK JOYFUL AND UNASSUMING DURING THE DAYTIME...

BUT AT NIGHT IT CAN FEEL VERY DIFFERENT.

ADDING LIGHTS IS JUST ONE THING WE CAN DO... TO MAKE SURE MORE PEOPLE FEEL COMFORTABLE AND SAFE IN THEIR COMMUNITY

MARTINSON '21

TRAINING OPPORTUNITY

INTERSECTIONS FOR EVERYONE

Learn how to plan, design and balance the needs of all transportation modes at intersections



WORKSHOP FORMAT

Online course

This course will be delivered over two half-day (three hour) workshops using online instructional tools including video conferencing and whiteboard collaboration platforms.



FACILITATORS

Toole Design

This workshop is offered by the CITE Training Committee and will be facilitated by Tyler Golly, P.Eng., RSP, and Ryan Martinson, P.Eng., RSP,



DATES & TIMES

1–4 p.m. Eastern Time

- Monday and Tuesday, **June 14 and 15**
- Tuesday and Wednesday, **September 14 and 15**
- Thursday and Friday, **October 21 and 22**



REGISTRATION FEES

- \$175 per individual student registration
- \$200 per individual CITE member
- \$250 per individual non-member

WORKSHOP SUMMARY

Intersections are the location where the highest number of conflicts occur, making them uncomfortable places for people walking, biking, and driving. Communities across Canada and North America have been transforming streets to achieve broader objectives and increase multimodal safety. Many designers have found challenges with how to design the intersections. This training workshop will cover intersection design approaches for different contexts: urban, suburban, cities, towns.

LEARNING OUTCOMES

- ✓ Better understanding of the goals for intersection design to achieve safety and mode share objectives
- ✓ Knowledge of the evidence-based research that underpins these goals and selecting design elements
- ✓ Hands-on experience designing intersections with innovative design elements

REGISTER HERE

-  **PURCHASE REGISTRATION ON THE CITE WEBSITE**
cite7.org/about-cite/training/training-opportunities
-  **QUESTIONS ABOUT THE TRAINING PROGRAM?**
Please contact the [CITE Training Committee](#)
-  **QUESTIONS ABOUT REGISTRATION?**
Please contact the [CITE Administrator](#)



June 8-10 
2021ite

CITE 2021 VIRTUAL ANNUAL CONFERENCE

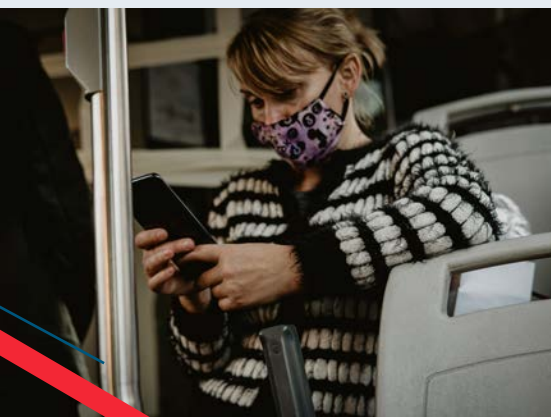
CITE and our 'small but mighty' National Arrangements Committee are excited to announce that **REGISTRATION IS NOW OPEN** for our first ever Virtual Annual Conference to be held on **June 8-10, 2021**. We have been hard at work developing an exciting conference that will be one of our most diverse and engaging programs to date. While we'll miss many of the social and networking events that highlight our traditional in-person conferences, we hope that this virtual format will offer new benefits and opportunities to participate, learn, and connect. Please stay safe and healthy. We look forward to "seeing" you all in June for what will certainly be a unique and special event!

VIRTUAL EXPERIENCE

Participation is more accessible than ever before thanks to **reduced registration costs and no travel requirements**. You'll be able to design a personalized à la carte program experience and since all presentations will be recorded and available to conference registrants following the event, you won't have to miss a single presentation for the first time ever!

Registration includes full access to the virtual event portal including the technical program with live Q&A sessions plus networking functions to connect with fellow attendees and sponsors by chat, audio, or video, and more!

REGISTER today at
conference.cite7.org



Find the detailed schedule,
speaker profiles, and
sponsor directory at
conference.cite7.org

TECHNICAL PROGRAM

The technical program will include **36 technical presentations in 10 topic areas** covering walking and cycling, transit, safety, parking, connected and autonomous vehicles, and “big data” in transportation. See them all in the [detailed schedule](#).

In addition, **unique and topical sessions** such as Lessons from COVID-19, Speed Limit Reductions, and a special episode of CITE’s popular Career Connect with Kate highlight our technical program.

You’ll also have the opportunity to experience **virtual technical tours** of recent transportation projects in Nanaimo and Vernon, BC and of the Mohawk College Centre for Aviation Technology in Hamilton, Ontario.

Finally, many of our generous sponsors will be hosting **Thought Leader Roundtable Discussions** where you’ll have the chance to engage with your fellow attendees on developing trends in the industry.

PLENARY SPEAKERS

We are also excited to announce an amazing line-up of speakers. Our opening plenary, **All Ages and Abilities are Welcome: The Future of Active Transportation in Canada**, will highlight opportunities that lie ahead for Canada in creating inclusive and accessible communities through a fireside chat with:

- ▶ **Andy Fillmore**, Parliamentary Secretary for Infrastructure and Communities
MP (Halifax) + urban planner and community builder
- ▶ **Marnie Peters**, Accessibility Simplified
Accessibility Consultant + Paralympic Gold Medalist

We’ll close out the conference with a **keynote address** from **Zahra Ebrahim**, a public interest designer, civic entrepreneur, and CEO of Monumental, a business supporting an equitable recovery from COVID-19 by building fair and just institutions, profiling and amplifying BIPOC leaders, and launching creative, socially-driven initiatives.





CITE TRADITIONS GO VIRTUAL

Our **CITE Excellence in Transportation Awards** ceremony, typically held during the final lunch at our in-person conference, will be a virtual affair for the first time ever. Featuring presenters from across the country and highlighting all of our award recipients, this will be a great opportunity to celebrate our transportation community and those making their mark in the field.

Following the success of the 2020 virtual **CITE Collegiate Traffic Bowl**, we are planning for a 2021 edition of the annual Jeopardy-style student competition to be held on the evening of Tuesday, June 8. If your Student Chapter would like to participate, [register your team by Friday, April 30, 2021](#).

THANK YOU TO OUR SPONSORS

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Silver


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Paradigm Transportation Solutions Limited
Stantec
TES Information Technology
Tetra Tech
Transoft Solutions
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Stinson ITS
Tacel Ltd.
TRAINFO
True North Safety
WATT Consulting Group

*Want to join this list?
Sponsorships available here*

CITE 2021 VIRTUAL ANNUAL CONFERENCE SCHEDULE AT A GLANCE

Pacific Time	Eastern Time	TUESDAY, June 8	WEDNESDAY, June 9	THURSDAY, June 10		
8:00	11:00	OPENING PLENARY FIRESIDE CHAT ALL AGES & ABILITIES WELCOME: <i>The Future of Active Transportation in Canada</i> Andy Fillmore , <i>Parliamentary Secretary for Infrastructure and Communities</i> Marnie Peters , <i>Accessibility Simplified</i> Sponsored by:  ATS Traffic  INTELLITRAFIK	A3 TECHNICAL TRACK Pedestrians	B3 TECHNICAL TRACK Parking	A5 TECHNICAL TRACK Designing for Cyclists	B5 TECHNICAL TRACK Big Data in Transportation
9:30	12:30	BREAK + Sponsor Showcase (30 MIN)		BREAK + Sponsor Showcase (30 MIN)		
10:00	13:00	A1 TECHNICAL TRACK Safety for All Users	B1 TECHNICAL TRACK Connected and Autonomous Vehicles	CITE Excellence in Transportation Awards Ceremony ITE International Address Sponsored by: AECOM	A6 TECHNICAL TRACK Lessons from COVID-19	B6 TECHNICAL TRACK Transit
11:30	14:30	BREAK + Sponsor Showcase (15 MIN)		BREAK + Sponsor Showcase (15 MIN)		
11:45	14:45	THOUGHT LEADER ROUNDTABLES (CONCURRENT) • AECOM • ATS Traffic Intellitrafik • Urban Systems		THOUGHT LEADER ROUNDTABLES (CONCURRENT) • BA Group • ISL Engineering • McElhanney		
12:30	15:30	A2 TECHNICAL TRACK Speed Limit Reduction	B2.1 VIRTUAL TOUR Nanaimo's Bowen Road: Constrained Corridor turned Complete Street	A4 TECHNICAL TRACK Planning for Various Modes	B4.1 VIRTUAL TOUR Mohawk College Centre for Aviation Technology	CLOSING KEYNOTE ADDRESS Zahra Ebrahim , <i>CEO of Monumental</i>
13:15	16:15		B2.2 VIRTUAL TOUR 9th Ave Active Transportation Corridor, Vernon, BC	B4.2 PANEL Career Connect with Kate Panel		
14:00	17:00	CITE COLLEGIATE TRAFFIC BOWL <i>Annual Jeopardy-style student competition</i>				
16:30	19:30					
17:30	20:30					

In 2020, we appointed CITE representatives to many ITE Technical Committees and Councils to bring our unique Canadian perspective to the work of ITE. In this ITE Insights feature, our appointees share updates about their committees to help our members connect to ITE's initiatives and the transportation industry more broadly. If you are interested in participating or contributing, please contact [CITE's Technical Liaison Committee](#) and we can help you navigate the Councils.

Coordinating Council



Irini Akhnoukh, M.Eng., P.Eng., PTOE

Senior Transportation Engineer, The City of Calgary

Mariya (Mars) Otten-Andrew P.Eng., PTOE

Principal Consultant, WSP



The [Coordinating Council \("CoCo"\)](#) provides leadership and coordination across our Councils, Committees and associated activities. CoCo's vision is to deliver a culture of leadership and action resulting in sustainable and value-added technical activities leading to new or improved products for our membership.

For the past two years, ITE has developed and published the popular [Developing Trends in Transportation Report](#), a thought leadership document on emerging transportation challenges and solutions. The report is a resource to stimulate diverse, broad, and deep dialogue in the rethinking of the role of transportation in society. It covers a diverse range of multimodal transportation topics revealing the dramatic changes currently taking place and it provides a foundation for dialogue on current opportunities and challenges to transportation infrastructure planning, design, operation and management. CoCo is working with all Councils/Committees to develop the 2021 report and is excited to see the developing transportation trends emerging in these unprecedented times.

Transportation Education Council

Sean Nix, M.Eng., RPP, FITE

Associate Dean - Building & Construction Sciences and Mathematics, Mohawk College



The [Transportation Education Council \(TEC\)](#) serves to support the needs of transportation students, researchers and educators across its various Districts. At its most recent meeting on January 12th, the TEC highlighted the following activities for 2021:

- Hosting at least three webinars to assist faculty and student chapters, with two having recently taken place on January 26th (student chapters) and February 9th (faculty); and
- Continuing to promote Student Chapter Leadership/Faculty Advisor Session at district meetings (following a similar model to the Student Chapter Roundtable led by the CITE Executive at the 2019 Annual Meeting in Ottawa).

The TEC would certainly benefit from additional Canadian perspectives beyond those of "Yours Truly". If you are interested in all things related to transportation education, your participation is most welcome!

Complete Streets Council

Ryan Martinson, M.Eng., P.Eng., RSP₁

Senior Engineer, Toole Design



The [Complete Streets Council](#)'s most recent meeting was January 12, 2021, when the ITE and TRB meetings were held concurrently. In our meeting, several developments that are underway were discussed, including:

- Speed Limit setting is continuing to grow in interest, particularly for urban areas;
- Equity and Complete Streets is an important topic that is continuing to be worked on and is a strategic focus of ITE as an organization this year;
- Quick Build for Complete Street continues to be an interest for practitioners who are working to increase safety and equity in their system;
- Decorative Crosswalks... what is ITE's role in this treatment? More data is being collected and ITE is working on how to incorporate this into the Pedestrian Crossing Policy Guide;
- MUTCD Notice of Proposed Amendments comments are being collected this Spring;
- Reduction of VMT during COVID-19 did not result in a reduction in crashes/deaths... what do we need to learn from this?

Additionally, four emerging trends were published by the Complete Streets Council in the 2020 ITE [Developing Trends Report](#) that will be important to keep an eye on in coming years:

- Adapting Streets to New Travel Demands,
- Making Streets Safer for Vulnerable Users
- Managing Curbspace: Keeping up with Changing Demands
- Big Data for Active Transportation Analysis

Pedestrian and Bicycle Standing Committee

Mariya (Mars) Otten-Andrew P.Eng., PTOE

Principal Consultant, WSP



The [Ped/Bike Standing Committee](#) sits within the Complete Streets Council. In January, we took the opportunity to bring both groups together with a joint meeting. During this first quarter, our energy has been primarily focused on three initiatives:

- an "Allocating Right of Way" guide, led by Hillary Isebrands, focusing first on case study examples and later expanding into topic papers;
- a Quick Build project "Repurposing Streets for People in a Post-COVID World," led by Adam Smith, focusing on how quick build solutions that proliferated during the pandemic can play a role in the future; and
- an "Accessible Streetscape Design Principles Primer," led by Benito Perez, focusing on accessibility design principles such as mobility, ADA, language, limited English proficiency, DeafSpace, hearing abilities, and how signs communicate with the customer.

Transit Standing Committee

Dan Ross, P.L.Eng., RPP, MCIP

Transportation Planner, Engineer & Project Manager/Private Consultant



Under the aegis of the Complete Streets Committee, the [Transit Standing Committee](#) provides research and updates on professional trends related to traditional and emerging forms of transit. Like much of the transportation profession, our committee has focused heavily on the effects of COVID-19 on the industry and implications for future mobility. At our most recent February 2021 meeting, we laid out our agenda for the remainder of the year that includes:

- Three ITE-sponsored webinars; tentatively scheduled for April, June, and September
- Completion of two 'Quick Bite' policy segments for the ITE journal
- Input of Developing Trends items related to transit for the annual report

The current Executive Committee consists of professionals from public and private realms representing both the US and Canada. We encourage others interested in transit to reach out and let us hear from you!

Joint Rail Crossing Committee

Garreth Rempel, Ph.D., P.Eng.

CEO, TRAINFO



The [Recommended Practice of Preemption of Traffic Signals Near Railroad Crossings, 2nd Edition](#) has been one of the largest efforts for the committee. The final version is being submitted to the ITE International Board of Direction (IBOD) in early April 2021 for approval. The document reflects significant advances in engineering and technology since the first edition was published in 2006 to support the design and operation of traffic signal preemption at rail crossings. Key areas that the committee is focusing on next include active Second Train Coming signs (with a specific interest in the Canadian perspective), connected and automated vehicle operations at rail crossings, and roundabouts near rail crossings.

Roundabout Standing Committee

Simon Li, P.Eng, FEC, M.Eng., PTOE

Manager, Northern and Pacific Transportation, Tetra Tech



The ITE [Roundabout Standing Committee](#) has had a good start with its 2021 kickoff meeting in January to review the Committee Action Plan which lays out the committee efforts for the year with milestones and dates. A key goal for this year is to continue raising the profile of modern roundabouts by recognizing the achievements. This recognition is important because it:

- gives exposure/publicity to modern roundabouts by recognizing a particularly worthy example.
- recognizes an outstanding modern roundabout effort and the people associated with it.
- attaches prestige to the idea of modern roundabouts.

To that end, the Committee is refreshing the annual roundabout award category. The committee is also scheduling four webinars this year on roundabouts! Look for more information coming out soon.

Connected and Automated Vehicles (CAV) Standing Committee

Steven D. Kemp, P. Eng.

Manager - Traffic Engineering and Operations, Regional Municipality of Durham



The ITE [Connected and Automated Vehicles \(CAV\) Standing Committee](#) continues to meet virtually with our last meeting held on January 14, 2021. Two specific areas of focus for the committee are: 1) Ongoing consideration of the use of Digital Short Range Communications (DSRC) spectrum vs. 5G technology for connected and automated vehicle operations, and; 2) ITE, Federal Highways Administration (FHWA) and American Association of State Highway Officials (AASHTO) work on future updates to the Manual of Uniform Traffic Control Devices (MUTCD) for CAV operations. During the roundtable discussion, it was apparent that there are a large number of CAV shuttle deployments either operational or coming soon across the US.

Urban Goods Movement Standing Committee

Madhuri Seera, P.E, P.Eng.,PTOE

Senior Leader, City of Calgary & Vice Chair, ITE Urban Goods Movement Standing Committee



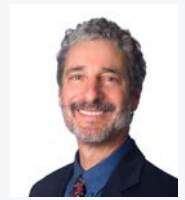
The ITE [Urban Goods Movement Committee](#) meets quarterly with the members, most recently on January 14, 2021. Key tasks the committee would like to accomplish in 2021 are:

- Publish a freight planning primer, a sub-committee composed of members from the USA, Canada and Aus-NZ was formed to lead this initiative.
- Publish articles in district and section newsletters promoting the importance of goods movement
- Identify opportunities to host webinars in collaboration with sections and districts. A webinar in Fall 2021 was planned in collaboration with the Southern Alberta ITE section.
- Publish an article on unmanned aircraft systems/drones in collaboration with Smart Communities for ITE Developing Trends

Sustainability Standing Committee

Todd Litman

Executive Director, Victoria Transport Policy Institute



Sustainable transportation projects and programs consider the ability to provide for current needs without compromising the interests of future generations. ITE's [Sustainability Standing Committee \(SSC\)](#) meets quarterly to plan activities and develop resources that share sustainable transportation practices and solutions that address economic, social, environmental and resiliency perspectives. Our Standing Committee seeks to engage members from across the spectrum of ITE's membership and works to move the agenda of sustainability forward on two key fronts: by integrating it into ITE's policies, reports and programs; and by undertaking projects that are focused on fostering sustainable transportation practices.

In 2020, the Council produced the [Sustainable Transportation ITE Technical Brief](#) which defines sustainable transportation, describes key concepts and discusses how transportation professionals can incorporate these issues into our work.

In 2021, SSC efforts include Transportation Equity, Advanced Vehicle Technologies And Electrification, Pandemic-Resilient Communities, VMT as a Metric For Sustainability, and Alternatives for a No-Car Commute. Members are welcome to contribute ideas and help develop resources. Visit the links above for more information or join the conversation on the ITE Community by subscribing to [SSC's page](#).



Public Agency Council

Ryan Vanderputten, P.Eng., FITE

Director, Transportation Planning, The City of Calgary



The ITE Public Agency Council is planning on hosting its first virtual 'Town Hall' event on June 3, 2021 (2–4 p.m. EST) to discuss key issues facing public agencies. We are also collaborating with the Industry Council on an initiative looking at the longer-term implications of COVID-19 on the workplace as organizations and individuals move from response to recovery. As a Council, we are continually seeking ways to broaden our reach and bring public agency members to the table. While the impact of the pandemic on public agency membership renewals was uncertain, ITE is seeing renewals of public agency memberships as well as new agencies joining.

Consultants Council

Alfred A. Guebert, P.Eng., PTOE

President, AAGuebert & Associates



Members of the Consultants Council are part of a supportive and collaborative environment that includes small, medium, and large organizations with a wide range of specialties, including planning, engineering, modelling, deployment, operating, maintaining and/or supplying equipment.

Current projects we are working on include:

- **Design Competition:** We have interest from 15 professional teams and 13 student teams. Judges are all lined up. The deadline for entries is April 15th.
- **Best Practices for Consultants Selection Guide:** The final draft document is with the Review Panel and we are on target for publication in April.
- **Managing & Operating Consulting Firms:** We are retooling a session from 2015 where we hosted a townhall-type session to discuss Managing & Operating different size firms
- **Marketing and Business Development for Consulting Firms:** We are retooling a session from 2015 where we hosted a townhall-type session to discuss Marketing and Business Development for different size firms

MARIAN MITHANI P.Eng.



Family: Married 9 years! We have a young toddler, soon to become an older sister...

Things I like to do: Read, cook, and entertain friends and family. Build traditions. Try new food or experiences just to say I did so once.

Current Employment

Client Consultant at Eco-Counter. Starting in May, I'll be a Project Manager in the new Area Planning unit of Transportation Services for the City of Toronto

City of Residence: Moving from Montreal to Toronto

Education

- M.ASc. Transportation Engineering
University of Waterloo, 2010
- B. ASc. Environmental Engineering
University of Waterloo, 2008

First job in transportation

Student Analyst, City of Toronto, Transportation Infrastructure and Asset Management

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

2009 - University of Waterloo Student Chapter, Secretary

2017–2021 - CITE Appointee to the TAC Active Transportation Integrated Committee, Committee Executive Member

CITE INVOLVEMENT

What is your ITE involvement (past and present)?

The UW student chapter was my doorway to ITE. After grad school, I attended local chapter events and found the CITE conference a great way to meet and stay connected with other professionals. Eventually, I made my way to the larger ITE conference too. While at Eco-Counter, I thought I could bring a unique industry perspective to progress the active transportation field. So, I applied to volunteer as the TAC Appointee for Active Transportation Integrated Committee.

What do you value most about ITE membership?

I have built so many valued relationships. CITE has created a welcome environment to learn, grow, and connect no matter where you are in your career. It has always been about the people, whether the executive team, local chapters folks, volunteers,

and fellow members. You feel like you are part of a community of professionals.

J'apprécie aussi les efforts de CITE plus récents à nourrir la francophonie. Parce qu'ici, on parle les deux langues! I believe it opens more channels for the community to learn and grow.

GETTING TO KNOW YOU

What attracted you to the transportation profession?

There were many little things that added up. In high school, I enjoyed a walk to school on a trail through a tree-lined neighbourhood. Then we moved to a new subdivision in the suburbs and I was back on a school bus, unable to stay for after-school activities. It was very isolating. During university at Waterloo, I benefited from living in some very walkable neighbourhoods.

On an exchange in Germany, I saw how exactly buses arrived on time and real-time arrival displays 5-10 years before they came to Ontario. I saw how normal it was to bike everywhere.

When I interned at the City of Toronto, my dad drove me 20min in rush hour to catch my 1h train. It was usually a 5min drive to the station. The bus was stuck with everyone else, and I thought “can’t there be a diamond lane here?”

Then I interned at York Region and worked on exactly that question. We were also working on the Pedestrian and Bicycle Master Plan and I discovered “it’s someone’s job to think about this?” I realized I could help the present-day equivalent of my teenage self and perhaps also the lives of so many others just by making it easier to get around.

What is the last book that you read or are currently reading?

Educated by Tara Westover. It’s a humbling reminder of the many opportunities one has in life. It inspires courage, to go after what you want even when the path scares you. Plus, the writing captivates you.

I’ll take this chance to recommend *Invisible Women* by Caroline Criado Perez. It’s an enlightening read about data bias and its affect on our world from city planning, to medicine, to artificial intelligence and more. It also gives ideas on how to do better.

PROFESSIONAL ACHIEVEMENTS & PERSPECTIVES

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

As a transportation planner, I’d say I help make it easier for people to get around. As an engineer, I’d say it deals with the nitty gritty details: how do we define that a street is safe, that traffic is moving or congested, that there are enough buses with room, or even how to build a street so that everyone feels comfortable using it. At Eco-Counter, I help cities track people who are walking and cycling.

When are you most proud of your work?

There are many times I am proud of my work. I love when I spot an Eco-Counter while traveling

and know it means that the people who walked or biked there are being counted—that they matter! I feel especially proud when I see a display counter I helped implement. There is one here in Montreal at Parc Stanley in the Ahuntsic-Cartierville neighbourhood. It was one of my first projects where I corresponded with the client completely in French. When I think of it, I am reminded of how much I’ve learned.

I remember travelling to New Orleans to help install bike counters during a heat wave. Eventually, I was glad to recommend a local partner to coordinate future projects. It later became a model used by People for Bikes to progress data collection with other cities in the Big Jump project.

Growing the TAC Active Transportation Integrated Committee, I am pleased with every new volunteer and new initiative we start. I still smile every time I see the Cannon Street Bike lanes or the Richmond Adelaide cycle tracks remembering that I played a part, like many others, to get it built. I once worked on a Mobility Hub and Cycling Network Integration Study for Metrolinx which is exactly the type of project my younger self would have appreciated.

What is one aspect of your work that you particularly enjoy?

I get to speak with a lot of different people. I also have a good vantage from where to observe trends across North America: types of data, its applications, how rapidly technologies are being adopted (or not) by various types of agencies, the changing relationship with technology companies, the barriers, innovations, and cool projects.

My favorite part of the job is listening to others when they have ideas on how to use their data. Whether it’s simply to monitor activity, to inform design or policy, to justify investments, or to fuse it what other types of data and gain insights on emerging trends. I also like when my advice is valued, to be trusted to propose solutions and brainstorm ways to fix a problem.

I can’t say yet for my new role at the City of Toronto. But I look forward to engaging with everyday people in a meaningful way about how they get around, how they view and value their communities, and to play my part in transforming neighbourhoods and corridors.

Continued on page 23...

Who has had the greatest influence on your career?

There were many people along the way who had an impact. Loy Cheah and Richard Hui were my managers at York Region when I had my lightbulb moment that a career in transportation was an option. Most direct influence would be my supervisor at IBI Group, Norma Moores. She led the active transportation practice and trained me from engineer-in-training to licensed engineer. Norma always encouraged me to participate in various professional networks, specifically CITE and APBP. I am indebted to her for teaching me to trust myself, not to shy away and to advocate for more women around the table. She also introduced me to Jean-François Rheault, then director at Eco-Counter (and now at Vélo Québec). Jean-François has taught me the value of building relationships. There are many others who continue to inspire me in their own work.

Projecting yourself into the future, what will you hope to have accomplished at the end of your career?

I want to feng shui cities. It's cheesy, but I said it out loud once and it has since become something of a professional mantra. I used to be impatient to see the direct impact of my work. I have since watched outcomes unfold of efforts that were made over the last 5 to 10 years. Mahatma Gandhi said, be the change you want to see in the world. It is not about individual accomplishments. I see myself as playing a part among many in a larger shift of how we view mobility and our transportation networks. Like being one piece of a never-ending puzzle on how to make here a great place to live. By the end of my career, I hope to feel like I made the world a slightly better place.

What is the greatest opportunity you see for the field?

I am thrilled by the growing focus on health, equity, and accessibility as bases for mobility needs. It will be interesting to see how we define these goals from a technical perspective. I also welcome the growing interdisciplinary nature of the transportation profession. Both are opportunities to collectively grow our understanding of how transportation systems support our communities.

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- Safety Reviews & Audits
- Business Case Development
- Complete Streets
- Intelligent Transportation Systems
- Policy Studies & Development
- Modelling & Model Interpretation
- Transportation Master Plans
- Traffic Impact Assessments
- Preliminary Design Studies
- Intersection & Network Analysis
- Sustainable Transportation
- Pedestrian & Bicycle Safety
- Signs & Pavement Markings
- Traffic Accommodation Plans
- Traffic Signal Design
- Neighbourhood Street Plans
- Standard Reviews
- Neighbourhood Traffic Management

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Integrating Safe Mobility

Edmonton's Safe Mobility Strategy

BY LAURA CONTINI, CITY OF EDMONTON

Setting the Context: Vision Zero

Vision Zero, first developed in Sweden in 1997, uses a Safe System approach to traffic safety, stating that no loss of life or serious injury resulting from mobility is acceptable. A Safe System approach recognizes that human errors cannot be completely avoided, and thus crashes will always continue to occur. It also recognizes that the human body has an inherent vulnerability and can only withstand a limited amount of kinetic energy. A Safe System approach aims to ensure the components of the transportation system – road users, vehicles, and the transportation network and environment they operate in – all take into account these limitations.

Continued on page 25...



PHOTO CREDIT: ALEX PUGLIESE

Edmonton's Safe Mobility Strategy



Safe Mobility Strategy Purpose and Principles

We all move.

We all deserve to move safely.

We are connected.

We are successful when we work together.

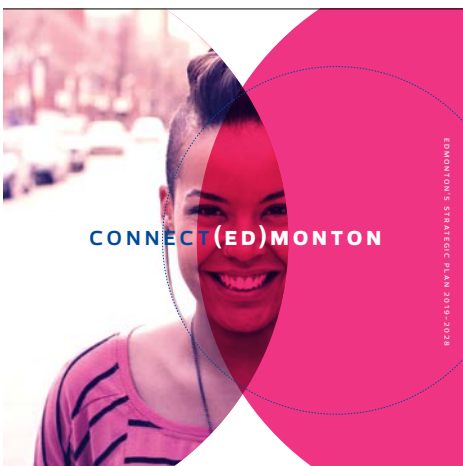
We are informed by analytics, lived experience, and research.

In 2015, the City of Edmonton was the first Canadian city to adopt Vision Zero and, as a result, there have been significant reductions in traffic violence on its streets. The *Safe Mobility Strategy 2021-2025* (“the Strategy”) is Edmonton’s new approach to achieving Vision Zero through safe and livable streets. It is an innovative approach to community safety and will support the advancement of the City of Edmonton’s strategic goals and City Plan. *ConnectEdmonton: Edmonton’s Strategic Plan* sets the direction for the future and outlines the transformational change required to realize the City’s vision by 2050. The aim is that people of all ages and abilities can move quickly, easily, and comfortably around Edmonton to support a healthy, thriving City. Safe mobility generates broad societal benefits by supporting mode shift, improving physical health and wellness, reducing the economic impact of crashes, and contributes to climate resilience goals.

Developing Edmonton’s Safe Mobility Strategy: Changing the Conversation


Traffic safety is not a new priority for the City of Edmonton. The previous strategy to advance Vision Zero, the *Road Safety Strategy 2016-2020*, helped identify the most dangerous areas in the City and introduced location-based countermeasures to eliminate or reduce the contributing causes of crashes. This work has resulted in a 62.5% reduction in fatalities and a 39.7% reduction in serious injuries since 2015.

Building on the successes of a location-based approach, the Strategy works to tackle the remaining challenges through the addition of a system-wide approach to support safe and livable streets. This people-centered approach recognizes the connections of locations and individuals exposed to the most risk. It serves to recognize that human characteristics can contribute to both the occurrence as well as the prevention of crashes and injuries.





Identity Factors



- + 63% said their mobility or feeling of safety is influenced by their identity
- + The identity factor most frequently related to feeling unsafe is being a woman
- + For all modes of transportation, women reported feeling less safe than men
- + People most often mention walking or taking transit when they talk about how their mobility is impacted by their identity
- + Those who use mobility aids reported feeling less safe when travelling than those who do not use mobility aids

Above are some of the key learnings from our public engagement

This approach required a crucial change in the conversation of how traffic, safety, and behaviours are considered. The purpose was to help Edmontonians, city planners, engineers, decision makers and leaders see the true value of collaboratively investing in a safe mobility system.

The *Safe Mobility Strategy* changed the conversation in two critical ways. First, the Strategy explicitly ties traffic safety to the vision and goals of the City of Edmonton. This is done to reflect that issues affecting transportation safety are interdependent with broader policy areas and community/societal goals such as land use, climate resilience, and health, along with core transportation policies such as promoting transit and active transportation. Next, it integrates the principles of equity and empathy in its development, while building upon the traditional disciplines of engineering, education, enforcement, engagement, and evaluation. Going beyond the traditional pillars of safety facilitates the decisions necessary to achieve a more livable and equitable Edmonton where everyone can move safely. These decisions will influence how the mobility system is planned, designed, built, activated, and maintained.

Connecting the numbers to people's experiences

Learning from data was the first step in developing the Strategy and was helpful in identifying the situations that most frequently lead to fatalities and serious injuries in Edmonton. While trends in crash numbers can provide important information, crash data only tells part of the story. The crash numbers can't tell us where there are frequent near-crashes or about locations where people don't feel safe travelling.

Engaging with Edmontonians provided significant insight into people's lived experiences which helped provide a complete picture of traffic safety. Through this engagement, it was clear that Edmontonians' feeling of safety varies depending on who they are and how they travel. This insight has further strengthened our approach to incorporating the learnings from lived experience into our current and future work.

Considering a culture of traffic safety

The Strategy places importance on creating a culture that values traffic safety at every step, including how Edmonton's streets are planned, designed, built, activated, and maintained.

Continued on page 27...

Edmonton's Safe Mobility Strategy



LEARN MORE...

The Safe Systems Approach for Road Safety

Article from a past edition of *Transportation Talk* that outlines the Safe Systems Approach and provides an overview of implementing evidence-based measures for safe drivers, safe speeds, safe roads, and safe vehicles

Gender-based Analysis Plus (GBA+)

Information and a course from Women and Gender Equality Canada on this analytical process and how it can be applied to your work and policies

Throughout 2020, local communities have identified the critical need to focus on equity in all of our work and our desire to create a safe transportation system for all users needs to consider the unique challenges faced by residents. Working to reduce discrimination and create equitable outcomes for all we serve has been of utmost importance through every step of the strategy's development. The Safe Mobility Strategy is a GBA+ (Gender Based Analysis Plus) pilot project for the City of Edmonton. GBA+ is an analytical process used to assess how diverse groups of women, men and non-binary people may experience policies, programs and initiatives. Our equity analysis prompted us to think about the neighbourhoods and people that these crash-prone spaces impact, and how we can better serve them.

A First Step to Identify Inequity

Using crash data, we identified which neighbourhoods have the highest number of fatal and serious injury crashes. 10% of Edmontonians live in the 15 neighbourhoods where the most crashes happen. By virtue of where these folks live, they are exposed to higher numbers of fatal and serious injury crashes.

When we take a closer look at the neighbourhoods themselves, some trends emerge: they're dense, have higher numbers of residents and workplaces, and are frequently mixed use. These neighbourhoods have a higher distribution of arterial streets that run through or are adjacent to them, and they provide access to major destinations. Census data shows that residents living in these neighbourhoods are more likely to have low incomes, be Indigenous Peoples, or speak a language other than French or English.

Many of the systems we have in place to assess traffic safety concerns and prioritize projects rely on being alerted to problems by the public through 311. We overlaid our inquiry data with the high crash neighbourhood map, and found very little correlation. This means that *we are not frequently hearing from people who live in communities where the most crashes are happening.*

By using a GBA+ perspective and asking ourselves "who we are not hearing from?"—in this case, high crash neighbourhood residents who may not have the time, energy, or resources to contact us—important learnings about how our systems and processes inadvertently contribute to inequity have emerged. Key actions have been included in the Safe Mobility Strategy to address this inequity.



Actions Ahead

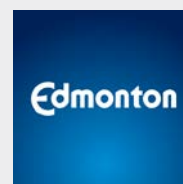
To implement the strategy, we have identified some key near term actions over the next two years to achieve Vision Zero, summarized in the graphic below. Examples of actions that are being implemented while the plan was prepared include:

- **City-wide reduction in the default speed limit from 50 km/h to 40 km/h.** This applies to residential streets and other high pedestrian areas along arterial streets.
- Establishment of a multidisciplinary research partnership with the University of Alberta that includes academics in diverse areas of research including urban planning, public health, psychology and human behaviour, equity and inclusion, and engineering.
- Use of the **Crash and Equity analysis** to influence capital project planning and implementation, prioritize deployment of operations and enforcement resources to high crash locations.

- Creation of the **Vision Zero Street Labs.** The Vision Zero Street Labs combine the expertise and power of Edmontonians and City of Edmonton staff to quickly and creatively address neighbourhood safety and livability concerns.

Measuring our progress will result in more effective, deliberate, and impactful interventions and will enable us to maintain transparent communication with Edmontonians. Updates on our progress towards Vision Zero are provided every year in our Vision Zero Annual Report.

Vision Zero can be achieved when everyone—from City staff to citizens to community groups, businesses and organizations—works together, learns from each other, and makes bold choices that prioritize safety and livability for all and build a healthy, vibrant city.



Edmonton Amiskwaciy Waskahikan is located on the traditional land of Treaty Six Territory and the Traditional Métis Homeland of Region IV (four). We acknowledge the diverse Indigenous Peoples, whose ancestors' footsteps have marked this territory for centuries; from First Nations, Métis, Inuit, and now settlers from around the world. **The City of Edmonton** creates as a community to connect people to what matters to them. We care about the impact of our actions on our social, economic, cultural, spiritual and environmental systems. We serve those here today and those who come after us.

Themes and key actions that will guide our work in the years ahead

remembering a legacy

Alan Clayton 1944-2021

It is with great sadness that we share the news of the passing of Alan Clayton, Professor Emeritus from the University of Manitoba and winner of the ITE Wilbur S. Smith Distinguished Educator Award (2005) and CITE's H. Robert Burton Distinguished Service Award (2008).

Professor Clayton inspired students for decades, teaching in the Department of Civil Engineering from 1980 to 2010. In 2011, he was appointed Professor Emeritus. Fondly referred to as "the professor," Alan specialized in Transportation Engineering with a focus on freight transport, traffic engineering, transport planning, and road safety.

Alan was highly recognized including being awarded the MPI RoadWise Community Award (2000). He was invited to a panel to recommend harmonized heavy vehicle standards in Canada and the United States, working with Transport Canada and the US Federal Highway Administration.

Prof. Clayton believed students' research could add value and that they should be recognized for their contributions. Part of how he lived this belief was in founding the University of Manitoba Transport Information Group (UMTIG) to collect, analyze and disseminate traffic data for the entire provincial road network. The group became a long term partner with Manitoba Infrastructure and has provided design and operational traffic data for over 30 years.

Prof. Clayton embodied many of the values that are dear to CITE, like supporting students through meaningful opportunities and dialogue. His own students will remember his many lessons, including helping us adopt his passion for transportation, thinking in terms of systems, and doing everything with a sense of purpose and humour. Anyone who met Alan came away with network connections, their perspectives challenged, and a sense of humility in the interconnectivity of our world.

Professor, you are missed. In lieu of flowers, his students respectfully ask that you take time counting trucks, ask yourself what you don't see, and remember to be nice.



Prof Alan Clayton is presented with CITE's most prestigious H. Robert Burton Distinguished Service Award by Bruce Belmore.



Touring Washington DC before TRB in 2004. L-R: Jen Malzer, Mitchell Jacobson, Scott Minty, Jonathan Regehr, Ana Malbasa, and Prof Alan Clayton. Photo credit: Tanya Worms.

Jen Malzer, P.Eng., FITE

congratulations & welcome

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

Barkhad Abdullahi Abdi, Mohawk College, Hamilton, ON
Mevandie Abegunawardana, Ryerson University, Toronto, ON

Anum Abid, University of Calgary, Calgary, AB

Elena Abu Khuzam, University of Toronto, Toronto, ON

Alina Ahmad, University of Waterloo, Mississauga, ON

Syed Zain Alam, Mohawk College, Hamilton, ON

Abdul Razak Alozi, McMaster University, Hamilton, ON

Mahia Anhara, University of Toronto, Scarborough, ON

David Banbury, Gananoque, ON

Michael Carsan, Seneca College, North York, ON

Farah Tasnim Choudhury, Ryerson University, York, ON

Bryan Christopher, Mohawk College, Hamilton, ON

Andrew JG Cleghorn, University of British Columbia, Vancouver, BC

Aidan Cooper, University of Alberta, Edmonton, AB

Roanna Cruz, BC Ministry of Transportation, Victoria, BC

Jamal Durrani, Mohawk College, Hamilton, ON

Eslam M. Elsayed, Carleton University, Ottawa, ON

Stefan Engleder, Strathcona County, Sherwood Park, AB

Kyle Evjen, City of Saskatoon, Saskatoon, SK

Mohammad H. Farazian, Mohawk College, Guelph, ON

Eric H. Fox, Urban Design 4 Health, Inc., Vancouver, BC

Vincenzo Fuoco, York University, Toronto, ON

Joshua Severino Galliera, University of Guelph, Guelph, ON

Jake Ganter, University of Manitoba, Winnipeg, MB

Blaine Garrison, BC Ministry of Transportation, Kelowna, BC

Seth Gatien, Carleton University, Ottawa, ON

Neil George Gobin, Ryerson University, Brampton, ON

Navneet Grewal, University of Waterloo, Georgetown, ON

Caylah Groskurth, Mohawk College, Hannon, ON

Silvia Hanna, Ryerson University, Toronto, ON

Andrew Harris, Urban Systems, Kelowna, BC

Idrees Hassan, Carleton University, Nepean, ON

Sang Ho Hong, University of Waterloo, Waterloo, ON

Emma Helen Howlett, McMaster University, Hamilton, ON

George Jankovic, City of New Westminster, New Westminster, BC

Kara L. Jefford, City of Chilliwack, Chilliwack, BC

Tori Kim, University of Waterloo, Waterloo, ON

Sujan Kisiju, Ryerson University, Toronto, ON

Chamindu Kollure, Mohawk College, Hamilton, ON

Sunil Kumar, City of Vaughan, Vaughan, ON

Yohanes Eric Prawira Laksmono, University of British Columbia, Kelowna, BC

Jeff Lange, University of Alberta, Edmonton, AB

Maria Laube, City Of Coquitlam, Coquitlam, BC

Lisa Li, University of Toronto, Toronto, ON

Kristen Machina, BA Consulting Group Ltd., Toronto, ON

Ellen McLaughlin, Associated Engineering, Regina, SK

Monisha Meenakshi Sundaram, University of Ottawa, Ottawa, ON

Katia Merand, Vancouver, BC

Joshua Albert Morris, Memorial University of Newfoundland, St. John's, NL

Mark Motiuk, Strathcona County, Sherwood Park, AB

Beverley Say Yue Ng, University of British Columbia, Vancouver, BC

Awele Ezenwa Nwaesei, City of Windsor, Windsor, ON

Jeffrey Orr, C.E.T., Strathcona County, Sherwood Park, AB

Michal J. Pasko, Grande Prairie, AB

Vanessa Pelchat, University of Alberta, Blackfalds, AB

Zahra Ibrahim Qassim, University of Manitoba, Winnipeg, MB

Caitlyn Quach, Bunt & Associates Engineering Ltd., Vancouver, BC

Muhammad Zeeshan Zeeshan Rashid, Concordia University, Montreal, QC

David Retzer, BC Ministry of Transportation, Kamloops, BC

Antonia Reynolds, City Of New Westminster, New Westminster, BC

Kelsey Lauren Rombouts, University of Toronto, Toronto, ON

Ioana Rontu, City of Calgary, Alberta, Calgary, AB

Mohamed Saleh, University of Alberta, Edmonton, AB

Angela Shlimon, McMaster University, Hamilton, ON

Filip Sljivar, Mohawk College, Hamilton, ON

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Erin J. Taylor, City of Calgary, Calgary, AB

Tayaba Tunio, University of Waterloo, Waterloo, ON

Omar Warsame, University of Manitoba, Winnipeg, MB

Josephine Wong, University of British Columbia Okanagan, Kelowna, BC

Greater Vancouver Section

The Greater Vancouver Section (GVITE) hosted their first virtual meeting of the year in February where Edmund Lee and Simon Church from R.F Binnie & Associates presented on the Alex Fraser Bridge Improvement Project. This project is the latest recipient of GVITE's Bill Curtis Award for an outstanding transportation project. With 120,000 vehicles using the bridge, congestion has been a growing issue in the region. Working with the BC Ministry of Transportation & Infrastructure, Binnie addressed the bridge's congestion problem by implementing an innovative moveable barrier counter-flow system, adding a seventh lane, and installing 13 new dynamic message signs throughout the Lower Mainland. The project has resulted in approximately 20-minutes travel time savings during the southbound PM peak and approximately 10-minutes travel savings during the northbound AM peak. This innovation is the first and only moveable barrier counter-flow system in Western Canada.

The second virtual meeting was held in March where Fred Lin and Paul Sidhu from the City of

Richmond presented on the City of Richmond's Road Safety Improvement Program: Top 20 Collision-Prone Locations. The City of Richmond partnered with ICBC and retained ISL Engineering and Land Services, in association with G. Ho Engineering Consultants, to undertake the Network Screening Study. This study identified and prioritized the top 20 locations with the highest risk of collisions and developed mitigation measures to determine where road safety improvement investments should be directed to achieve the greatest safety benefits. The City has taken various actions as a result of the study as part of its overall effort to address road safety issues.

GVITE would like to thank all the presenters for their incredible work and contribution to the region. All the presentations can be found on [Greater Vancouver Webinars](#) playlist on the CITE YouTube channel. There will be upcoming GVITE events for the remainder of 2021 and will be detailed in our newsletters.



Southern Alberta Section

The Southern Alberta Section (ITE SA) continued to organize interesting webinars in early 2021. January's webinar included the Annual General Meeting, the swearing-in of the Executive Members that were elected in December and a presentation by Troy McLeod (City of Calgary – Director of Roads) on 2020 Year-in-review and 2021 Transportation Innovations and Opportunities.

In February, Stephen Power and Lynn Machacek (HDR) presented on the topic of Regional Transportation Planning. In March, Wulf Grote and Jennifer Pyne introduced us to the Evolution of Valley Metro's Light Rail System in Phoenix, Arizona. On April 13, ITE SA had James Sulpher and Jason Jardine (Parsons) to present on the Regina Bypass Project.

After each presentation session, we enabled the platform access to facilitate networking among our members. If you missed any of the presentations, the recordings of each webinar can be found on the [Southern Alberta Webinars playlist on the CITE YouTube channel](#).

Coming up with COVID-19 marking one year of social distancing requirements, ITE SA continues to promote professional development and career advancement. ITE SA has circulated a survey to its membership inquiring ideas on future presentation topics and events. Keeping the membership's interest in mind, ITE SA is currently planning for many new and exciting presentations and events. Stay tuned for more details to come.



Clockwise from top left: Jennifer Pyne, Wulf Grote, Stephen Power and Lynn Machacek.

Saskatchewan Section

On March 30th, the Saskatchewan Section hosted their first virtual Webinar & Social Networking event of the year. The event had 36 registrants with a mix of government, consultant, and student representatives who tuned in from across the province. The session included two engaging presentations by out-of-province presenters, followed by a virtual networking opportunity for attendees to interact and socialize with their peers. The event featured two out-of-province presenters who showcased some highlights of their recent projects:

- Andrew Sedor, City of Calgary - Micromobility Pilot Project

- Carolyn Sherstone, WSP - Canmore Area Structure Plan Transportation Impact Assessment

The event was well received and attendees provided positive feedback. We would like to thank both presenters for making this virtual session a success.

If you are interested in presenting a project at one of our 2021 sessions, please contact us at programsdirector@saskatchewan.cite7.org. Watch your emails for details about upcoming events and activities.

Follow us on Facebook: [@ITEsaskatchewan](https://www.facebook.com/ITEsaskatchewan)

Manitoba Section

The Manitoba Section held a virtual game night on March 9th. Around 20 participants played the popular online game Geoguessr, a geographic discovery game where players are required to guess their location in the world using a limited amount of spatial clues. ITE Manitoba members proved strong in Canadian geography, with multiple members guessing within 30 metres of a location in Grey Point, Vancouver, and others guessing within 100 meters of a location in Niagara Falls, Ontario. However, our international geography skills were not as strong, with no participants able to identify street view images from the island of Reunion, located approximately 1000 km east of Madagascar. The highest score of the evening went to Bjorn Radstrom, with nearly 24,000 points!

On April 9th, ITE Manitoba held a webinar on Transit Planning in Winnipeg. The Winnipeg Transit Master Plan (TMP) will be going to Council for consideration this Spring. The TMP is the first comprehensive master plan for public transit service and

infrastructure in Winnipeg's history. Kevin Sturgeon, Senior Transit Planner with Winnipeg Transit, started the webinar with an overview presentation of the TMP. Graeme Masterton, Global Transit Planning Lead with Stantec, and Bob Kurylko, Senior Transportation Engineer with Stantec, presented on the data used to inform Winnipeg's TMP and how the proposed network will be transformed from a confusing mix of multi-purpose routes to a system of primary and feeder routes. Finally, Teresa Platt, Acting Manager of Client Services with Winnipeg Transit, presented on how the TMP will transform the City's Transit Plus services to improve mobility and for people of all abilities.

The Executive Committee will be meeting early in 2021 to continue planning for the year ahead. We are planning to continue virtual meetings and webinars in 2021, and look forward to meeting in-person once the pandemic subsides and regulations allow.



National Capital Section

The National Capital Section (NCS) kicked off our programming for the year in March with a presentation on the planning and design considerations for the Flora Footbridge, a new active transportation connection across the Rideau Canal that was completed in 2019. The presentation was delivered by Tim Dickinson with Jacobs, who was a core team member responsible for planning the Flora Footbridge, and Mark Langridge with DTAH, who led the architectural design of the bridge.

The March webinar also served as the award ceremony for the second recipient of our annual *CITE NCS A. M. Khan Lifetime Achievement Award*. The 2021 recipient, David Kriger, P.Eng, MCIP, RPP, has spent nearly 40 years working in transportation engineering and planning on projects in Ottawa and around the world. He is a recognized expert in the fields of travel demand forecasting models, travel surveys, data collection strategies, trends analysis, and goods movement plans. We wish to once again extend our congratulations to David for his significant achievements and thank him for his contributions to the industry!

In April, we organized our first virtual networking event using Wonder, a platform that allowed us to set up a virtual space where people could drag their avatars to join conversations happening in different “rooms.” Members of the NCS Executive helped facilitate conversations about emerging topics in transportation and the industry. Though it wasn’t quite as good as meeting in person, this event was a great opportunity to catch up with the local transportation community after an unprecedented 12 months. And, to sweeten the deal, all attendees were entered into draws for door prizes!

As we head into the summer, we are looking forward to implementing more of our plans for the year, including more webinars on local transportation projects, conversations about transportation equity, social events, and volunteering opportunities for our members.



Virtual session hosted by the NCS on Ottawa’s newest major active transportation connection



David Kriger accepting his CITE NCS A. M. Khan Lifetime Achievement Award in-person (following physical distancing requirements)

Atlantic Provinces Section

As COVID-19 continues to influence how we gather and interact in the Atlantic Provinces, we have continued to adjust to keep members informed and to bring members together. We hosted our third Virtual Lunch & Learn (replacement for our annual spring session in Halifax, NS) on March 22, 2021 with the help of CITE's Steve Garner. The focus of our spring session this year was on our students. Four of our current and future colleagues at the University of New Brunswick and Dalhousie University presented their research projects to over 30 members.

Due to the ongoing pandemic, CITE is not running the national student presentation competition this year. However, one of our presenters was picked at random to receive a free registration for the 2021 Virtual Conference where they will be recognized alongside other students from across the country.

We had four interesting presentations:

- *Lane Keep Assist Performance on New Brunswick Rural Roads*
Michael Stewart, University of New Brunswick
- *Impacts of COVID-19 on Transport Modes and Behaviour: Analysis of Public Discourse on Twitter*
Md Asif Hasan Anik, Dalhousie University
- *Analysis of Motor Vehicle Collisions involving Vulnerable Road Users in New Brunswick*
Taylor Wood, University of New Brunswick
- *Traffic Microsimulation Modelling of a Mass Evacuation: Planning for Natural Hazards and Extreme Weather Events* - Md Jahedul Alam, Dalhousie University

We are pleased to announce that Michael Stewart was selected as the winner!

If you missed it, you can catch the entire Atlantic Provinces 2021 Spring Virtual Technical Session on CITE's YouTube page [here](#).

We're looking forward to getting back to in-person events, but expect to continue holding virtual sessions for the foreseeable future.



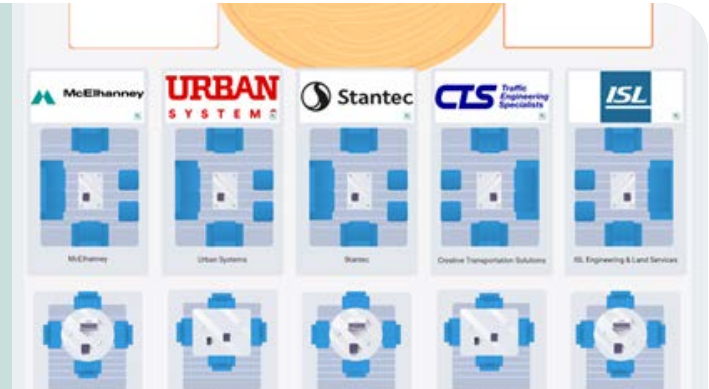
University of British Columbia

Happy spring everyone, and congratulations to all graduates this year! Out of all our initiatives over the past few months—ranging from Lunch & Learns to research seminars—there are two events we would like to share.

Industry Night

In February, we hosted our flagship event: the UBC ITE SC Annual Industry Night 2021. Despite the online format, it provided interactive, spontaneous networking opportunities for over 85 transportation students and 35 industry professionals.

The event was held using the virtual conferencing platform called Remo. With this format, attendees converse in groups of 2 to 4 people at their virtual “table,” and can move from table to table freely throughout the event. We paired 1-2 students with each industry professional and encouraged students to move tables every 6 minutes during the event. By the end of the night, each student had the chance to talk one-on-one to at least 10 industry members. As personal connections are important to build a sense of community in the transportation engineering industry and to support the professional success of our members, we made them a priority for this year’s event.



Finally, we would like to say a quick thank you to our sponsors for supporting Industry Night, and for sharing your time and insights with students at your virtual company tables.

TRB Annual Meeting

In January, we sent 4 of our volunteers to the Transportation Research Board (TRB) 100th Annual Meeting. TRB is one of the largest conferences in transportation engineering, with opportunities to explore new ideas, interact with professionals, and apply knowledge learned in an academic setting. In addition to these 4 attendees, both chapter co-presidents were present at the conference as part of their research work at UBC. With several attendees, we chose a few conference sessions to watch and discuss as a group. It was a great opportunity to build our technical knowledge and learn together as team members.

McMaster University

The ITE McMaster Student chapter has had a fantastic winter semester with plenty of events! We are looking forward to the CITE conference, selecting a new team for the 2021-2022 academic year, and planning events for the academic year to come.

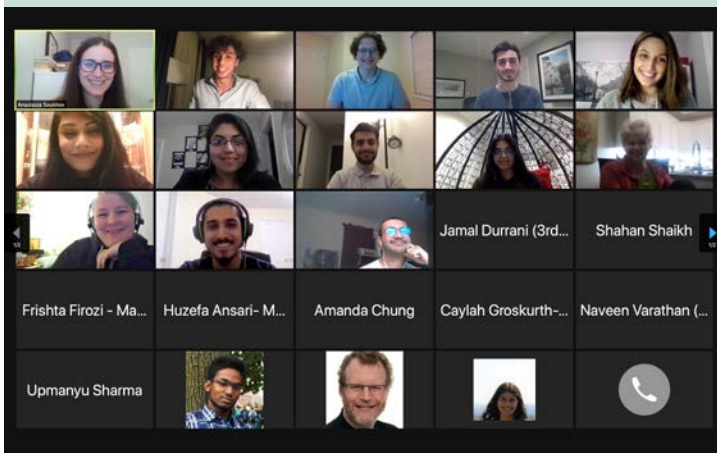
Transportation Talk - Autonomous Traffic Management Systems

On February 4th, we virtually hosted Dr. Wade Genders. He is a PhD graduate from McMaster University and currently a Machine Learning Engineer developing AI Traffic Control Management software.

Continued on page 37...

student chapter news

Wade's presentation touched on the intersection between machine learning and civil engineering in the transportation field as well as life post-PhD.



Participants in the Transportation Talk on Autonomous Traffic Management Systems featuring Dr. Wade Genders.

Deltahacks: Transportation Challenge!

On March 5th to 7th, ITE McMaster participated in designing, presenting, and judging an open-ended transportation challenge at McMaster's weekend-long Deltahacks hackathon. This year, for the first time ever, the competition was completely virtual.

ITE McMaster's challenge centered around using available data to ease local transportation issues related to sustainability, safety, or congestion. While the chapter judged plenty of fantastic submissions - one came out on top and the parkanywhere.online mobile app was selected as the winner!

Created by Hayden Hoffman, Eric El Serafy, Michael Dressner, and Alexander Li, parkanywhere.online is an app that eases traffic congestion by reducing the extra traffic generated by people searching for an empty parking spot in a busy area. The app increases parking capacity by providing an online platform that allows end-users to rent and share vacant parking spaces in residential, commercial, and industrial areas. You can find their Devpost here and GitHub repositories at www.parkanywhere.online.

Transportation Research Seminar: Active Transportation and Autonomous Vehicles

On March 8th, we hosted our last research seminar for the academic year. The seminar consisted of two respected McMaster University professors; Dr Hao Yang from the McMaster Civil Engineering Department and Dr. Darren Scott from the School of Earth Environment and Society. They spoke about their research, with Dr. Yang's expertise on Autonomous Vehicles and Dr. Scott's expertise on active transportation. A great discussion on the intersection between their research and between Engineering and Geography followed their presentations.

As always, this Research Seminar series was a great opportunity to connect with these professors and interested students in a virtual environment.

Transportation Talk: The Role of Risk Management in Transportation Projects

On March 24th, ITE invited Camelia Bucur, Global Director of Risk Management at Hatch. Camelia drew on her +18 years of experience in risk management gained from projects in the Mining and Metals, Energy and Infrastructure sectors.

She provided insights and expertise on how risk can be managed in transportation projects along with an overview of risk management as a whole in the engineering and construction industry. After Camelia's presentation, an excellent discussion was held where attendees asked about the intricacies and importance of risk management.



Mohawk College

Mohawk College ITE Student Chapter hosted a virtual Transportation Coffee Talk on Wednesday, March 10th for students to gain insight from and ask questions of grads working within the industry. Break-out rooms were utilized twice in the session with one grad and a few students in a room to provide a more intimate setting to generate better discussion. The student chapters of McMaster and Windsor universities were also invited and the event was well received by all. A special thanks to all the grads for their willingness and openness in sharing their experiences navigating the transportation field and transitioning from college life to their careers.

Additionally, Mohawk College students partnered with the Town of Milton and Miovision to analyze a year of traffic data for all modes of transportation at various intersections. Trends were determined

including how COVID-19 affected active transportation volumes and calibrating weekly/seasonal traffic data. Two student groups presented their findings as part of a Hamilton ITE Speaker Event on Wednesday, March 24th. A special thanks to our student presenters: Maggen Louisius, Li Huang, Anna Davey and Huzefa Ansari for a job well done.



The Transportation Coffee Talk hosted by the Mohawk College Student Chapter was well received by all the engaged participants.

York University

The ITE York University Student Chapter has been very active during the Winter months of 2021. We have hosted events on our online platforms which include a variety of networking events, technical seminars, and special events such as a Career Connect Session and attendance at the ITE Student Leadership Summit.

Seminars

Our first seminar of 2021 covered Freight Transportation innovations. This seminar was held on February 1st, with a panel of 3 speakers. Alia Galal joined us from the University of Toronto to discuss the use of simulators for truck safety assessment, Maddy Ewing from the Pembina Institute to showcase the potential future of electrified trucking, and Brian Sookhai from Walmart Canada to demonstrate their plans for their future sustainable logistics fleet.

The second of our monthly seminar series for the year of 2021 covered the topic of Public Transit. The seminar was held on March 22nd. In this seminar, we were joined by Michael Binetti from Durham Region to talk about Pulse-Scheduling for transit systems, Audrey Roy-Poirier from ARUP to give us an overview of the Finch West Light Rail Transit project, and Jonathan English from Toronto Region Board of Trade who gave us insight about building transit ridership in suburbia.

Both of these seminars were hosted live on Zoom and Youtube Live following the success of our previous sessions. These seminars were especially important for students as speakers did not just showcase their projects, but also discussed innovative solutions/methodologies developed by academia and industry that are being implemented in the field of public transit and freight transportation. The seminars were hosted successfully as it drew significant virtual attendance though both virtual live streams.

Our third seminar, which was hosted on April 17th, sought to provide software expertise to our club members. In this event we were joined by Anastassios Dardas who is a Higher Education Developer/Analyst at ESRI Canada Group. The focus of the seminar was to showcase web mapping, data visualization and descriptive statistics functionality for a transit-based project in Canada. The event was well received by students as it allowed them to familiarize themselves with the ArcGIS Online Software and prepare them for spatio-temporal-based planning/engineering careers.

We thank all the speakers who volunteered their time and shared valuable information about their current transportation projects.

Networking Event

Our famous Industry Night event was hosted on March 19th in conjunction with the York University Geomatics Club and the Civil Engineers of Lassonde. The event saw an attendance of over 50 passionate engineering students who were eager to explore prospective employment opportunities with local public and private engineering organizations. The event hosted 15 recognized organizations who had an opportunity to showcase their expertise to graduating students. Among these included Tulloch Engineering, Geoveraa, Tarasick McMillan Kubicki Limited, Metrolinx and BA Group. The event didn't



Jonathan English demonstrating Toronto's transit network effectiveness during the Public Transit seminar

just expose students to potential employers, but also allowed them to make invaluable connections with industry professionals. Through the sponsorships from many of the attending companies, over \$3000 was raised and donated to Canadian charities.

Special Events

On February 2nd, we hosted our Annual General Meeting. This was held on the virtual conference platform Gather.Town, which allowed participants to roam around a virtual meeting space to connect with other occupants and have conversations. The event was a great success with guest speakers from the ITE Toronto Section and YorkU Alumni.

On February 19th and 20th we represented the Canadian District at the ITE International Virtual Student Leadership Summit. We hosted a live session of Career Connect with Professionals. Kate Whitfield joined us and hosted a live version of her Career Connect Series featuring panelists from across Canada, including Professional Panelists Erik Nevland, Imran Salam, & Kari Fellows as well as ITE Student members Babak Safaei, Yashar Zarrin Zadeh, & Soha Saiyed. This event provided transportation students in the audience with a unique opportunity to network with each other, hear and learn from professionals and experience a broad range of topics. We would like to thank summit organizer Collen Agan, and Session Host Kate Whitfield for helping us run the Career Connect session. Also, congratulations to our Chapter President Tim Young for the Stand Up on Your Soapbox competition win!

More Information

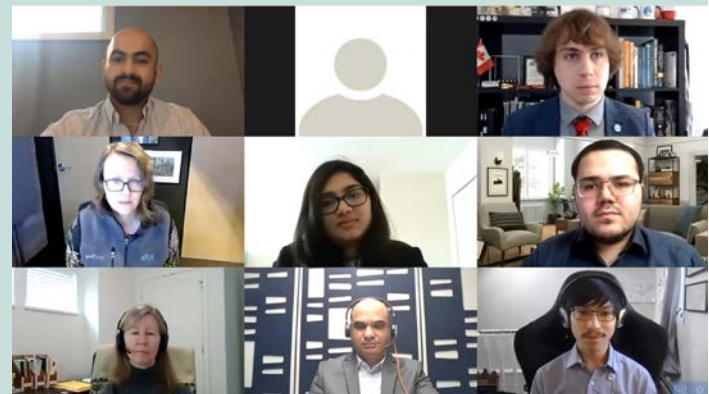
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Industry Night Presenting Companies and Sponsors



Setting up the custom Gather.Town session for the ITE YorkU Annual General Meeting



Panelists discussing career advice during our ITE International Virtual Student Leadership Summit session Career Connect



Tim Young presenting during the Soapbox Speech Competition at the ITE International Virtual Student Leadership Summit



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