

Transportation

ite **Talk**

CANADIAN INSTITUTE OF TRANSPORTATION ENGINEERS MEMBER NEWSLETTER
Volume 37, Number 2

Walking the Walk

How investments in active transportation add up.

Author: Marni Robinson

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Necessity, the mother of... healthy transportation

After returning to London for six weeks earlier this year, I was asked what changes I noticed most since I last lived there in 2007. One answer: congestion. Over the eight years since I moved back to Canada, the population of London has grown from 7.7 million to 8.6 million and does it ever show. I previously thought that a London rush hour could not get any busier, but get busier it has.

Since the London Underground system is already stretched and somehow manages to accommodate an impressive 3.5 million journeys every day, I started to wonder how the additional nearly one million people were getting around. Despite wide-scale implementation of transit priority lanes and road pricing since 2003 in the form of the central London Congestion Charging zone, buses still seem to be clogged in traffic. The congestion I saw was made up of cabs and buses – which are exempt from the charge – and goods vehicles so it seems unlikely people were driving cars.

As before, I noticed lots of people on foot (London is a great city to walk around). New however, was the visible number of people on bikes. Since 2008, the number of cycle journeys in London has increased to 610,000 per day or 223 million a year, an increase of 25%. Perhaps by necessity rather than choice, London has embraced active transportation in a big way.

An ounce of prevention

After returning to work in Vancouver and Calgary, I have thought often of how London is responding to the challenge of moving a million

Continued on page 5

PRESIDENT'S PONDERINGS



Disclaimer: I do pedal with a helmet on.

What an honour to be CITE's newest president! I feel very fortunate to be part of such an exciting organization and grateful to all those who have volunteered alongside me, starting at the University of Manitoba, then Southern Alberta and at the District level these past four years. Attending the 2015 conference alongside over 220 delegates in Regina was a great reminder of why I belong to CITE. Our volunteers on this year's conference committee led by Max Zasada and Allan Duff went above and beyond. They, along with our technical speakers, put on an inspiring technical program and hosted fantastic social events. The conference hockey tournament perhaps broke a record; 32° meant for far fewer goals scored, though it was just as competitive and caused as many welts! We also broke records on attendees at our evening student mixer and introduced the Women of CITE brunch. All of these events are great at helping our members engage meaningfully and I cannot think of a better organization to be part of.

I want to congratulate this year's award winners. Mike Skene (H.R. Burton Award); Don Cook (Outstanding Voluntary Contribution); Gene Chartier (Stan Teply Award); Tyler Golly (Rising Stars Award); Maryam Moshiri (Michel van Aerde Scholarship); Bianca Popescu (John Vardon Memorial

Scholarship and CITE Boulevard Transportation Award); Cody Raposo (HDR Undergraduate Scholarship); James Lamers (Student Paper Award); Jason Hawkins (Student Presentation); Christopher Chahil (CCG Competition); University of Manitoba (Outstanding Student Chapter); Ryerson University (Student Chapter Delta Award); Greater Vancouver Section (Outstanding Section); and National Capital Section (Section Delta Award). And congratulations to the University of Manitoba Traffic Bowl Team on their victory - make us proud at the ITE competition in Hollywood, Florida!

The recent CITE election brought us a new Secretary-Treasurer—Julia Salvini from Waterloo. Julia started her CITE involvement many years ago; she has been active both with the Southwestern Section and was president of the Toronto Section in 2009. Julia is passionate about member involvement and helping especially our young members and members starting families to remain engaged in transportation. I feel very lucky to be working with someone like Julia. I also welcome Edward Soldo into the Vice President's role. Edward is Director of Roads at the City of London and also has a long history of serving CITE, although these last two may have felt the longest for him - having led us through a successful Revenue Canada audit. Thank you Edward! The Executive has a few months left serving with Bruce Belmore as District Director before welcoming Gene Chartier into the role and back to the Executive in January. I appreciate being able to work with both Bruce and Gene who bring great perspectives and dedication to transportation and ITE. I would also like to extend a special thank you to Jeannette Montufar for all her contributions to CITE. She is leaving the executive after finishing her term as past president. Having been her first student president I know first hand her influence on motivating students,

and just how far that influence reaches! She has definitely left a mark on our organization and am fortunate to have worked with her for so many years. Sandy Rempel, our Communications Coordinator, has let us know she is will help us with only three more editions of Transportation Talk. Sandy has been a first point of contact with CITE for many, especially our conference committees, and we have really appreciated her dedication and transformation of our newsletter. She will be missed, and I think she might miss us too! Finally a congratulations goes to Peter Truch our Past President on the birth of his new son, Sasha. The group looks forward to meeting Sasha when we visit Kelowna this year to prepare for the 2016 conference.

There are many initiatives I look forward to supporting over the next two years. James Donnelly and Jan Voss are our conference chairs for next year's AGM in Kelowna. They are working with a great team and I have no doubt our next conference will be spectacular. Wine tasting will definitely be part of the program.

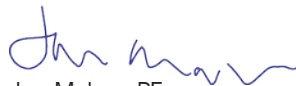
At our Board meeting in Regina, the group voted to establish a Young Professionals Committee and to update our strategic plan. I couldn't be happier about these two initiatives and what they will mean for CITE in terms of giving a voice to our members and the outcomes we wish for our respective communities. We are inviting all interested Young Professionals (those 35 and under) to contact Edward Soldo, and we will have more information shortly on upcoming events.

I personally am passionate about cities and sustainable transportation. Summer is such a good reminder of the benefits of great walking, biking, and transit infrastructure. I am so fortunate to be able to bike my son, Scott, to his daycare

downtown; it's a convenient way for us to be active and he loves travelling on pathways along the river. ("RIVER"!)) Our cities are adding exciting new complete streets and facilities, like Calgary's new pilot cycle track network, and I would like to invite our members to share these stories in our *Transportation Talk* newsletters. We are updating our website with our new District Administrator, Steven Garner, who is an excellent addition to our team and who has great advice on social media amongst other areas. Having the ability to share more stories through improved communications ties directly with what I believe to be the main strength of this organization: members sharing their wins, experiences, and sometimes to heal wounds (#stayingthecourse #addingbikelanesincalgary #thankyou).

My fellow Executive members and I look forward to working with each section and student chapter this year to continue to make CITE a better organization.

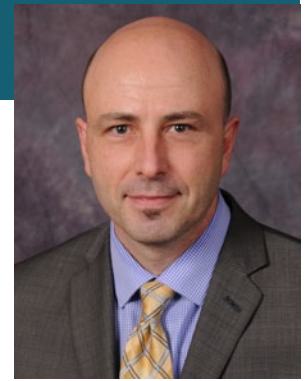
Thank you again for giving me this opportunity to lead this great organization.



Jen Malzer, PEng.
Canadian District President
president@cite7.org

Why do we have an Annual District Conference?

Canadian District Director
director@cite7.org



We have very strong and active Sections across the country, many which run their own technical sessions, hold Section conferences, or host monthly lunchtime presentation sessions. So I started to muse the other day on why we hold an Annual District Conference and its value to our members. After all, it is a relatively small group of members that can dedicate the time to attend and receive the necessary corporate support to participate in the national conference. Even ITE International has decided to change their meeting regime and get rid of the spring technical session due to waning interest, and replace it with a smaller "hot topic" session each fall instead.

I have heard that our members most readily identify with each other at the Section level (more so than the District or International level), so why have an Annual District Conference? Who is the conference intended to appeal to? And is it not an outdated concept to meet in person when we could be better served by broadcasting technical sessions on the internet? Online sessions would provide us with the exact same technical learning opportunities at a cheaper cost.

I have come to the conclusion that, while we can always improve on the format for the conference, it would be difficult to replicate the experience of attending in person. Here are some of the specific images that encapsulate this year's annual conference for me:

- Meeting up with an old friend that you rarely get to see (John – I can't believe it has been 20 years since we worked together in Ottawa!)
- Finding out that someone you know well is fighting a life-threatening illness
- Listening to a really good speaker with some valuable insights and then realizing that you work for the same company
- Attending some thought-provoking round table discussions
- Participating in the annual street hockey game and watching the two International VP candidates playing hockey with lots of heart and a smile running from ear to ear. Shawn Leight brought his St. Louis Blues jersey and played for the east, while Jimmy Lin from California played for the west
- Sharing a beer with colleagues from across Canada at the Student Mixer

- Dave Richardson, as master of ceremonies at the Traffic Bowl event, taking a joke about drug testing of participants possibly one step too far this year. I will leave out the part about the audience booing the judges (this is two years in a row now...)
- Having the opportunity to hand out our District's most prestigious award to Michael Skene, and then seeing his surprise as the crowd slowly rises to give him a standing ovation.
- Having the International President John Kennedy attend in person to install the newly elected Canadian Executive.
- Saskatchewan celebrating its 25th anniversary as a Section with cake and some reminiscing by Alf Guebert, who was a founding member of the Section.
- Listening to a passionate group of Technical Liaison Committee volunteers talk about their future projects.

So in closing, I think the Annual District Conference serves an important role. Each ITE "layer" – whether Student Chapter, Section, District, or International – serves a unique purpose that would be hard for any other to replicate. Further, the District Conference serves as a key opportunity for us to get together to celebrate national transportation achievements and reconnect with others from across the country. Videoing the conference proceedings and broadcasting the technical content will happen in the near future I am certain. However, it will never replace the sense of community and belonging that one gets by attending the conference in person.

Congratulations to the Saskatchewan Section's Local Arrangements Committee, in particular Max Zasada and Allan Duff as co-chairs, for putting on a very successful conference. Next year the conference will be in Kelowna and all I can think about are the wine tours, bike tours, and possibly wine / bike tours! The conference reps, Jan Voss and James Donnelly, were in attendance and gathering ideas from the Regina conference. It is already shaping up to be another memorable District conference. I hope to see you there.

Bruce

WALK THE WALK cont'd

more people, as well as the prospect of another million or so more in the next fifteen years. It gives me hope that we can learn lessons from London's response to growth.

While I have long been a supporter of building smarter cities, where you make it easy for people to choose different modes of transportation, I started to think more about the costs of transportation infrastructure choices and how they relate to healthcare costs.

Recently, more and more attention is being paid to the prevention of chronic disease. The Global Burden of Disease report – the largest ever systematic effort to describe the state of health in the world published by the Institute of Health Metrics and Evaluation at the University of Washington – showed that chronic diseases now cause more deaths and disability globally than infectious diseases. Research continues to grow on the prevention of chronic disease but there is strong evidence already that getting active is good way for people to stay healthy. Put simply, our sedentary lifestyles are killing us.

Big benefits

Investing in getting people walking and cycling definitely allows more people to move around a city, but what about the idea that it will also lead to lower healthcare spending. The question in my mind was how much lower?

A 2012 research study in the UK led by James Jarret at Norwich Medical School published in the Lancet provided an answer. Jarret and his colleagues estimated that modest increases in walking in cycling in urban England and Wales of one to three kilometres per day could lead to substantial decreases in healthcare spending over 20 years. And when I say substantial, I mean decreases to the tune of £17 billion.

In the model, the majority of cost savings came from the expected decrease in number of Type 2 diabetes cases, for which a sedentary lifestyle is a risk factor. Decreases in other chronic conditions including heart disease, breast cancer, colon cancer, as well as dementia and depression would also be expected to reduce health care costs but Type 2 diabetes was the single biggest cost, which was estimated to be approximately £3,000 per person per year at the time of the study.

To put those numbers in a Canadian context, the Canadian Diabetes Association estimates that by 2020, 10% of Canadians will be diagnosed with diabetes, with an associated estimated treatment cost of \$4.7B per year. Imagine what modest

increases in walking and cycling could mean to healthcare spending in Canada.

Making it real

Making it easy for people to walk and cycle in their communities can clearly have far reaching benefits. So why then can it be so challenging to get active transportation infrastructure in place?

It can be hard to see the bigger picture. There are costs and benefits associated with all transportation modes that may not be immediately apparent. For example, when a municipality is assessing whether or not to put in or repair sidewalks versus increasing road capacity, sidewalks may seem like an added cost without sufficient benefit, and we often miss the hidden costs of roads.

Before the recent transportation plebiscite in Vancouver, a group of journalists at Discourse Media, designed a Cost of Commute Calculator app. The app attempted to quantify some of the externalities such as pollution, climate change emissions, accidents, and congestion associated with our transportation choices. Looking at my own commute (which is usually multi-modal including transit, cycling, and walking) the calculator estimates a net benefit to society from cycling and walking of \$0.15 to \$0.22 per kilometre compared with a net societal cost per kilometre of \$0.05 to \$0.56 for bus and driving, respectively.

Additionally, people often have a bias around healthcare spending in that we want it to go to solving "real" and acute health problems – that is after people are already sick. Don't get me wrong. Like most Canadians, I want investments in hospitals and acute care, as we all want to know that we will receive the top-notch healthcare we need when we or a family member experience a life-threatening disease or an accident. But ultimately investing in city infrastructure to promote walking and cycling will have real benefits just as investing in a health care facility.

Finally, one of the biggest barriers is that like most complex problems that we face as a society, encouraging walking and cycling requires collaboration across a wide range of stakeholders and agencies. As we all know, it's hard to break down silos and there will always be competing priorities but the benefits of working through these challenges can far outweigh the costs.

As you work on your next transportation project, consider how you can bring more people from different walks of life into the

WALK THE WALK

cont'd

conversation, and how this integrated approach can help you build great places for people to live a long active and healthy life.

Examples of integrated healthy city strategies

To address the inherent complexity associated with improving the health of our communities, some major Canadian cities including Toronto and Vancouver have implemented healthy city strategies that bring together land use, transportation, and health as well as other disciplines.

Vancouver Healthy City Strategy

A 10-year strategy (2014-2025) introduced in 2014 as part of the City of Vancouver approach to sustainability. Addressing the social aspect of sustainability, Vancouver set a series of 13

integrated long-term goals to promote the highest possible levels of health and well-being. Goals cover diverse areas including housing, food systems, social inclusion, education, culture, and transportation. In July 2015, Vancouver approved the first four-year action plan covering 19 high-priority actions including integrating Active Living design best practices to increase physical activity in the built environment.

Toronto Active City: Designing for Health Report

In 2014, the City of Toronto published a report outlining design principles to encourage changes to streets and buildings so physical activity becomes a part of everyday life. It considers the role of income, education, employment, food security, housing, transportation and access to health services in relation to health.

COMING EVENTS

OCTOBER

17-21 Canadian Parking Association Annual Conference & Trade Show – Vancouver, BC
www.canadianparking.ca

NOVEMBER

20-25 CUTA Fall Conference – Montréal, QC
www.cutaactu.ca

2016

MAY

14-18 CUTA Annual Conference – Halifax, NS
www.cutaactu.ca

JUNE

5-8 Canadian Institute of Transportation Engineers – Kelowna, BC
www.cite7.org

OCTOBER

22-26 Canadian Parking Association Annual Conference & Trade Show – Ottawa, ON
www.canadianparking.ca



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INSTITUTE OF TRANSPORTATION ENGINEERS
TRAFFIC BOWL



The Competition...



The MC - Dave Richardson...

The Crowd...



The Winners...

University of Manitoba

And the award goes to...

ACTIVITY AWARDS



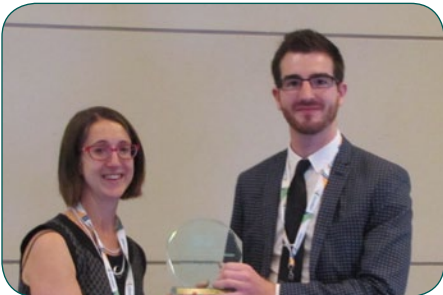
STUDENT CHAPTER ACTIVITY AWARD | University of Manitoba

Accepting (Left to right): Jaime Lacoste, Sarah Klassen, Maryam Moshiri, Steven Wood, Dr. Jeannette Montufar, Giuseppe Grande, Morgan Glasgow, and Jen Malzer (presenting)



SECTION ACTIVITY AWARD | Greater Vancouver

(Left to Right): Jen Malzer (presenting) and Alina Cheng (accepting)



STUDENT CHAPTER DELTA AWARD | Ryerson University

(Left to right): Jen Malzer (presenting) and Matthew Harvey (accepting)



SECTION DELTA AWARD | National Capital

(Left to right): Gord Scobie (accepting) and Jen Malzer (presenting)



2015 REGINA | LOCAL ARRANGEMENTS COMMITTEE

Co-Chairs: Paula Sawicki

Committee (Left to right): Debra Anderson, Destiny DeWalt, Jeffrey Holland, Monique Kealey, Allan Duff, Jen Malzer, Gloria Bansah, Max Zasada, Marla Muhr, Scott Thomas Missing: Patrick Lalach, Tanya MacDonald, Bruce Belmore, Nathan Gray, Claude Sequin, Kwei Quaye



MEMBER AWARDS



ROBERT BURTON DISTINGUISHED SERVICE AWARD |
Mike Skene

*Shown left to right: Mike Skene (accepting) and
Bruce Belmore (presenting)*



**STAN TEPLY OUTSTANDING TECHNICAL PROJECT AWARD | Promoting Sustainable
Transportation Through Site Design Guidelines**

*Shown left to right: Mike Skene and Jim Gough (both recipients with Gene), Dwayne Cross
(presenting), Gene Chartier (Project Manager)*

RISING STARS | Tyler Golly

Jen Malzer presenting



STUDENT AWARDS



**DR. MICHEL VAN AERDE MEMORIAL
TRANSPORTATION SCHOLARSHIP |**
Maryam Moshiri, University of Manitoba

Mike Skene presenting

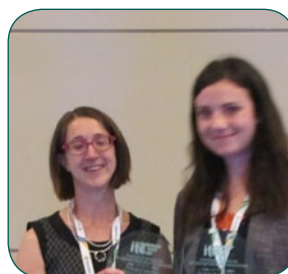


STUDENT PRESENTATION AWARD |
Jason Hawkins, University of Calgary

Mike Skene presenting

**CITE HDR UNDERGRADUATE
TRANSPORTATION SCHOLARSHIP |**
Cody Raposo, Lakehead University

Mike Skene presenting



**JOHN VARDON MEMORIAL
TRANSPORTATION SCHOLARSHIP | CITE
BOULEVARD TRANSPORTATION
"TRANSPORTATION IN A SUSTAINABLE
WORLD" STUDENT AWARD |**
**Bianca Popescu, University of British
Columbia**

Jen Malzer presenting



**STUDENT PAPER COMPETITION
AWARD | James Lamers, University of
Toronto**

David Thatcher presenting



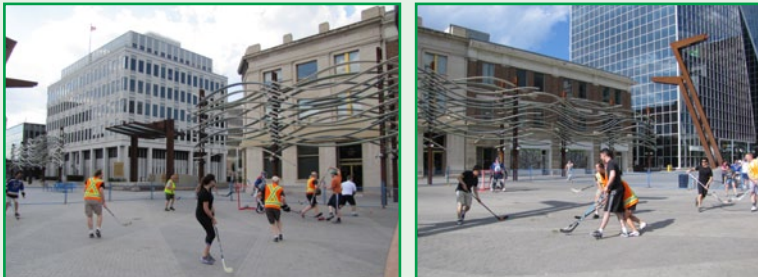
**CANADIAN CAPACITY GUIDE
UNDERGRADUATE STUDENT COMPETITION
(2014) | Christopher Cahill, Mohawk
College**

Jim Gough presenting

OUTSTANDING VOLUNTEER | Don Cook *(photo unavailable)*

REGINA 2015

Street Hockey...



Thank You...

For the memories!

Women of CITE...

Inaugural Brunch



Student Mixer...



SNAPSHOTS



Field Trip...

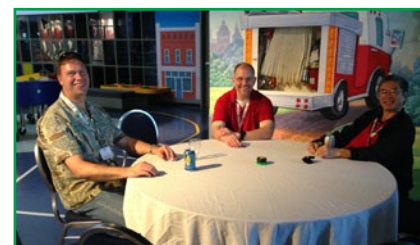
New Stadium Construction



Happy Birthday Saskatchewan Section...



Evening Social...

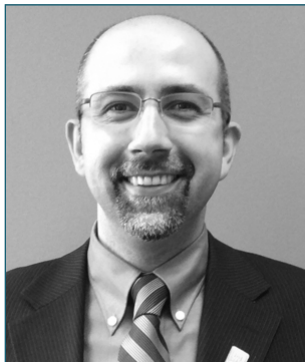


2015-2017 EXECUTIVE



PRESIDENT

Jen Malzer, PEng.
president@cite7.org



VICE PRESIDENT

Edward Soldo, PEng., FITE
vicepresident@cite7.org



SECRETARY / TREASURER

Julia Salvini, PEng.
secretary@cite7.org



DISTRICT DIRECTOR 2013-2015

Bruce Belmore, PEng., PTOE, FITE



PAST PRESIDENT

Peter Truch, PEng., PTOE, FITE
pastpresident@cite7.org



DISTRICT DIRECTOR 2016-2018

Gene Chartier, M.A.Sc., PEng., FITE



DISTRICT ADMINISTRATOR

Steven Garner, M.Sc.
cite_administrator@cite7.org

2016 BUDGET

	2013 ACTUAL	2014 ACTUAL	2015 BUDGET	2016 BUDGET
REVENUE				
Annual Conference	200,900.00	215,395.60	135,000.00	148,000.00
Currency Exchange	1,620.67	4,441.12	--	5,000.00
Education/Training	--	22,152.21	15,000.00	15,000.00
Interest Income	4,559.91	2,635.16	5,000.00	3,000.00
John Vardon Scholarship	2,670.00	1,777.00	2,000.00	2,000.00
Membership Dues	81,743.21	61,256.80	83,000.00	70,000.00
Transportation Talk Advertising	7,706.50	9,250.00	9,250.00	8,000.00
Website Advertisements	71,325.00	83,700.00	66,000.00	75,000.00
Award / Scholarship Donations	--	16,000.00	4,500.00	2,500.00
TOTAL REVENUE	\$374,037.29	\$416,607.89	\$319,750.00	\$328,500.00
EXPENSES				
Administrator	--	--	--	18,000.00
Awards - Awards / Scholarships	5,419.98	4,860.12	6,000.00	4,000.00
Awards - Travel	1,814.33	4,612.41	5,000.00	5,000.00
Bank Charges	2,812.33	3,692.16	4,000.00	4,000.00
Bookkeeping	2,460.00	2,035.00	2,500.00	2,500.00
CITE Appointee Travel	6,663.54	4,576.36	7,000.00	7,000.00
Communications	17,977.00	11,776.80	18,000.00	10,000.00
Conference Expenses	163,822.29	162,668.84	135,000.00	135,000.00
Director Expenses	9,808.07	8,468.42	15,000.00	14,000.00
Executive Expenses	36,463.51	17,469.93	24,000.00	24,000.00
Insurance	5,016.60	5,151.00	5,250.00	5,400.00
Membership Support Programs	6,395.72	5,092.86	7,500.00	7,500.00
Miscellaneous	212.34	455.87	250.00	500.00
Postage, Mailing Service	727.68	579.46	500.00	600.00
Printing and Copying	--	--	250.00	--
Section / Chapter Rebates	3,750.00	3,750.00	7,000.00	7,000.00
Student Presentation Comp.	1,900.00	2,000.00	4,000.00	4,000.00
Telephone, Telecommunications	10,116.89	-859.53	6,000.00	1,000.00
TLC - Administration	6,075.97	5,100.88	7,000.00	9,000.00
TLC - Tech Project Dev.	2,047.62	15,057.65	5,000.00	10,000.00
TLC Project - TAC Sponsorship	5,000.00	10,000.00	10,000.00	10,000.00
TLC Project - Traffic Calming	15,000.00	--	5,000.00	5,000.00
TLC Active Transportation	5,464.75	732.40	10,000.00	10,000.00
Traffic Bowl	8,249.36	5,309.74	6,000.00	6,000.00
Transportation Talk	13,038.96	13,561.16	13,500.00	10,000.00
Vardon / Van Aerde Scholarship	4,000.00	2,000.00	4,000.00	4,000.00
Website	11,885.73	13,448.18	12,000.00	15,000.00
TOTAL EXPENSES	\$371,551.09	\$301,539.35	\$319,750.00	\$328,500.00
NET INCOME (LOSS)	\$ 2,486.20	\$115,068.54	--	--

YOUNG PROFESSIONALS COMMITTEE



CITE is delighted to be striking a Young Professionals Committee for transportation professionals 35 years and under. This group is a way to help our young professionals have a platform to share their views and inform the future of the transportation profession, and has been struck as a voting member by the CITE Board with the understanding it will strengthen CITE.

If you have ideas to share or would like to learn more, please provide your contact information to the following:

Edward Soldo, P.Eng. (FITE)
Vice President, Canadian Institute of
Transportation Engineers
vicepresident@cite7.org



YOUNG PROFESSIONALS PANEL



Young Professionals Panel - Shown left to right: Paula Sawicki, Rod Schebesch, Julia Salvini (middle) and Linda Allen-Hardisty, Erin Toop

ENGAGING AND RETAINING YOUNG PROFESSIONALS

At the CITE Conference in Regina, a panel discussion was held around the topic of Engaging and Retaining Young Professionals. The session was moderated by Julia Salvini from Salvini Consulting, and the panelists included:

- Linda Allen-Hardisty, a certified leadership coach with Allen-Hardisty Consulting
- Rod Schebesch, VP Transportation in Western Canada for Stantec
- Paula Sawicki, Manager of Transportation Planning for the Region of Waterloo
- Erin Toop, Transportation Engineer with the City of Edmonton

The discussion revolved around the value of young people in the office, the challenge of differing expectations, and how companies are changing to embrace a changing workplace demographic.

A few of the key messages from the session were:

- A diverse workplace in terms of age and gender represents the public we serve more fully and makes us better at our jobs
- Young people bring value to the workplace with their technical skills, their world view, their enthusiasm and their drive
- Success occurs when there is trust and flexibility on the part of both the employer and the employee
- Mentoring can be an important element to successfully retaining young people. Both informal and formal programs can work in the right circumstance
- Mentoring is beneficial in different ways and from different people throughout a career – concept of a "Council of Mentors"
- Providing opportunities for young people to explore different jobs within the same company can give them the job changes they look for in their early careers while allowing them to stay with their employer.

Thank you to our panel for the perspective and openness they brought to the discussion and to a very engaged audience that joined and built on the panel discussion during the session.

MEMBER HIGHLIGHT



TYLER GOLLY

First job after college/university

Transportation Engineer with Stantec in Edmonton

Current employment: include position title

General Supervisor for the Transportation Master Plan at the City of Edmonton

Current city/prov of residence

Edmonton, Alberta

Personal hobbies

Cycling, playing music, listening to music (particularly on vinyl), building LEGO, travelling, eating good food, brewing beer, spending time with friends and family

What roles / positions have you taken on as a member of CITE?

- Organizing Committee Member for CITE / CSCE Sustainable Transportation Symposium in Edmonton in 2009
- Presented at various CITE Annual conferences
- Currently a member of LeadershipITE

When did you join CITE? (year)

2003 as a student member at the University of Alberta

Professional designations: please list all of your earned professional designations, including academic achievements, in the appropriate order.

- PEng.

At which educational institution(s) did you earn your degree?

- Bachelor of Science in Civil Engineering Co-operative Program (B.Sc.), University of Alberta, 2004
- Master of Science in Civil Engineering Transportation Engineering Specialty (M.Sc.), University of Calgary, 2006

Please describe what attracted you to transportation engineering?

I was about to start my last co-op work term at the U of A and wasn't sure what I wanted to do. I talked to my professor, Charles Lenzion, to see if he had any leads on something that would be different than the construction work I had previously done. He connected me with Mark Huberman who was just starting the Bunt & Associates office in Edmonton. Turns out he could use some help. That job was what got me hooked on transportation engineering and got me fascinated about how the design of our transportation system impacts travel behaviour, quality of life, and our society on a daily basis. From there, I knew I wanted to learn more and that was what pushed me into doing graduate studies and to be involved in the industry for the past decade or so.

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

Transportation engineering is unlike any other form of engineering. All engineers solve problems, but those of us in transportation planning have to be continually adjusting our practice as we learn more about the results of our previous efforts. Cities are living organisms and are very complex. Transportation engineering tries to understand this complexity, along with our partners in urban planning, landscape architecture, urban design and architecture, by planning, designing, and operating streets based on the best information available. We then need to monitor the results of that work and make adjustments based on the outcomes - both positive and negative - so we can continue to improve our practice. If you want a career where you are trying to solve people problems and like to create collaborative solutions, it is definitely a field for you.

TYLER GOLLY

Who has had the greatest influence on your life and career?

My family has definitely been the greatest influence on me. They have always been there to support me through my life and career with all the fun and hard decisions and things I've experienced. I also use my family and friends as my muse in a way when I am working. As I plan streets, I think about my grandparents, parents, brother and sister-in-law, nephew, and friends and their families. Would they be able to navigate the street? Would it be safe for them? Would it encourage them to be active? Would it be a place that would create happiness? I also tend to bounce ideas and thoughts I have about work off my family and friends to get some reaction and to figure out what I am missing. And when working in a public and political environment, it is nice to know people you love have your back.

Projecting yourself into the future, from an end-of-career perspective, what will you hope to have accomplished?

I hope I have positively contributed to making great cities that support people, that make them happy and active, and that are just great places to call home. And I hope that I can inspire younger engineers and planners and people in the community through my work and actions. Everyone has a role in city-building and can contribute to the success of a place.

If you did not pursue engineering as a career choice, did you have another career in mind (a fallback)?

There were many schemes and ideas but nothing too serious. I thought about going into the music industry and being a recording engineer or, better yet, a musician. I also had considered welding at one point because I like building things. But really, I thought I wanted to design beautiful buildings and ended up finding a career in transportation engineering where I could build cities.

What is the first thing people most commonly ask or say when they find out you are a traffic engineer?

I'm not a traffic engineer or don't consider myself one but, when people find out that I work in transportation, some ask about a traffic signal that they think needs "fixing" or share some streets with potholes that could be dealt with. But, mostly people have just been curious about what I do since I work a lot on complete streets, walking, and cycling. We typically then start talking about how much they like walking and biking and what could be done to make that easier or safer for them.

What is the most daring thing you've done in your lifetime?

I went on tour with my band in 2011, well it is a duo really, but we played some shows in Bolivia and then toured across Canada which was something I wanted to do for a very long time. While we were in Bolivia, which was where my band mate was living, we went on a trip of sorts to Rurrenabaque and went to a camp along the river. At the camp, we went for a hike to search for anaconda snakes in the pampas. We ended up finding one on a 40°C day and then went to the river to fish piranha and feed caiman!

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

I think the last new book I read was "Getting to Yes" by Roger Fisher and William Ury. I am currently reading "Tactical Urbanism" by Mike Lydon and Anthony Garcia.

Have you ever met anyone you consider famous?

Not super famous for most people but last year at the ITE Annual Meeting in Seattle I was walking around town and checking out the street and city design, taking pictures, and being nerdy. Anyway, as I was walking, I came across these guys that I swore were members of Broken Bells (they're a really great band). I was a bit behind them as we walked along the street but caught up at a light when they were waiting to cross the street. I stopped and said I had really enjoyed their show in Edmonton the week before. They thanked me for that and asked if I was going to their show in Seattle that night. I explained I was there for a conference, etc. and had saw they were playing a show in an arts paper but I hadn't bought tickets. They said not to worry about that and gave me free tickets to the show!!

What is the single greatest satisfaction you take from your job as an engineer?

Knowing that I am working to improve peoples lives and doing my best to contribute to a place that supports their happiness.

SECTION *News*

GREATER VANCOUVER



After many months of planning, the Greater Vancouver Section of ITE hosted the 2015 QUAD conference back in May 1st and 2nd at the Pan Pacific Hotel in Vancouver, B.C. The QUAD Conference is an annual transportation conference held in the Pacific Northwest that provides a forum for transportation professionals to network, exchange ideas, discuss best practices, share research, and showcase recent projects. The general focus is on land-based transportation such as walking, cycling, transit, goods movement, and vehicles. A wide-variety of topics are covered, including planning, analysis, design, construction, maintenance, operations, safety, technology and financing, among others.

This year, the theme was "Investing in our Transportation Evolution", and over 200 delegates attended from different cities. The QUAD had a combination of events: a trade show portion which featured different tradeshow vendors, technical presentations from students and professionals of the transportation industry, and a variety of technical tours around the Metro Vancouver area. Tours ranged from walking tours, bike tours, and tour of skytrain operations facilities. The conference ended with a fabulous dinner cruise around the beautiful Coal Harbour.

Aside from the QUAD conference, The GVITE golf tournament, typically held in June, was postponed and will now be held in



August instead due to conflict of events. The section is on summer break until September when section meetings will start up again.

BC INTERIOR

Annual Spring Get Together



The BC Interior Chapter hosted their annual spring event on the evening of June 2nd with two presentations followed by an evening cocktail reception. Phillip Elchitz, the Manager of Airport Development, presented about the Kelowna International Airport's recently announced expansion plans and the accompanying \$55M investment to accommodate increasing passenger demand. UBC Okanagan MASc student Adam Lee, presented his bicycle data collection research project which is aimed at helping professionals plan bicycle networks by better understanding how cyclists actually react to their surroundings whilst riding on different types of roads.



Kelowna 2016 Annual CITE Conference

The BC Interior Chapter and the Greater Vancouver Section are delighted to welcome you to attend the 2016 CITE Conference that will be held in beautiful Kelowna, British Columbia. Please consider yourself invited to an exceptional conference that will

deliver a stimulating program surrounded by gleaming lakes, soaring mountains, and thriving vineyards!

Our program theme – Connecting Lifestyles – is very well-suited to the Okanagan region as we will focus on how the transportation



profession is proactively connecting our lives with our communities and economies. To complement the technical program and theme, we will be offering unique Okanagan experiences including a bike tour of the impressive Myra Canyon Railway Trestles and a tour of the expanding Kelowna Airport. Of course, a visit to the Okanagan wouldn't be complete without a bike tour travelling from winery to winery!

The CITE Conference is one you don't want to miss and the Local Arrangements Committee looks forward to welcoming you and your family from June 5th to 8th, 2016.

MANITOBA

ITE Manitoba's last event leading into the summer break was a presentation from Sean Rathwell, a transit and urban mobility professional with MMM Group. Sean provided an interesting presentation on Integrated Mobility, touching on the future of transit infrastructure, mobility management, and travel demand management. The impact of service providers like Uber (car sharing) resulted in a lively discussion!



Sean Rathwell presenting at May meeting.

Warmer weather means the ITE section is off for the summer. Planning for the 6th Annual ITE Manitoba Golf Tournament is well underway. The tourney will be held on Monday, September 14th, at the Pine Ridge Golf Club. Pine Ridge is one of only two Manitoba courses to crack the 2015 top 100 Canadian Golf Courses according to Canadian Golf Magazine, and we are very excited to be returning there for the second year in a row!



Get ready to sink some putts on September 14th!

For those interested in attending or sponsoring the event, information on the tournament is hosted at the ITE Manitoba Student Chapter website:

<http://www.iteumanitoba.ca/golf-tournament>

We now have an easy online registration method as well. Please follow the link to the links!



Wouldn't you rather be here than reading this newsletter? Editor's Note: Take this newsletter with you.

Finally, we would like to congratulate our friends at the Student Chapter for their success in winning the CITE Traffic Bowl and moving on to the international competition! They also won an individual award and the student Chapter Activities award again at the recent CITE annual conference. Congratulations!

HAMILTON

On June 23, Hamilton area colleagues attended a luncheon followed by a presentation by Daryl Bender B.E.S., Project Manager at the City of Hamilton. The recent two-way cycle track project on Cannon Street was presented. The discussion included the design and implementation of the Cannon St. Cycle Track which is expected to create a safer street and improved cycling connectivity. In addition, the completed project is likely to encourage more people to bicycle in the city, provide an improved experience for visitors (including to Pan-AM Soccer), and foster rejuvenation of the neighbourhood. The community engagement and the political processes that led to the creation of the Cannon St. Cycle Track, complete with decorative planter boxes was included in the talk, as well as an overview of winter maintenance; planned monitoring; and comparison to Hunter St bike lanes, also installed in 2014.



Our guest speaker Daryl Bender B.E.S., is a Project Manager, Alternative Transportation at the City of Hamilton where he is tasked with the expansion of the City's cycling infrastructure. Daryl has a Bachelor of Environmental Studies from the University of Waterloo (Urban Geography and Transportation), and augmented this degree with a Diploma in Traffic Engineering from Mohawk College. Daryl has worked in both the public and private sectors contributing to master planning exercises, traffic impact studies, multi-modal promotional strategies, and project implementation. At the City of Hamilton, Daryl has overseen the creation of over 80 km of bike lanes. While at McMaster University, his efforts helped to formalize and expand the cycling network, including bike parking facilities.

Additional activities of note included having Edward Soldo, P. Eng., CITE District Vice President address the membership and provide an update of the district's recent activities and the goals for the upcoming year. The AGM was also held wherein the section's 2014 financial statement was presented by Treasurer Brian Applebee.



Save the DATE!



#CITE2016

www.facebook.com/CITE2016

Connecting Lifestyles



www.cite7.org/Kelowna2016

All images courtesy of Tourism Kelowna

Save the Date!

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Co-Chairs, Kelowna 2016 Local Arrangements Committee

UNIVERSITY OF BRITISH COLUMBIA

The 2014-2015 year was a hugely successful period for the UBC ITE Student Chapter. The club was heavily involved in transportation industry related trips, the hosting of guest lectures at UBC, as well as promoting awareness in regards to the Transportation Plebiscite amongst students at the UBC campus.

The first event of the school year was held in September. The UBC ITE Student Chapter, in conjunction with Young Professionals in Transportation Vancouver, was able to participate in a tour of the newly constructed Surrey City Hall. Some of the points of interest included The City of Surrey's Traffic Management Centre, as well as a visit to the offices of the Transportation Department. This event introduced members to the concepts of land use and transportation planning, as well as introducing students to the City's highly specialized traffic management centre that is able to monitor traffic real-time through the use of 175 CCTV cameras.



In October, the Manager of Strategic Transportation Planning at the City of Vancouver, Lon LaClaire, came to UBC to deliver a guest lecture on the need for investment in regional transportation. This lecture was the starting point to get students more involved with the ITE and more greatly aware of how stretched the transportation system is for resources.

In January, the Director of Roads at Translink, Sany Zein came to UBC to give a talk on the transportation plebiscite, and answered several pressing questions from students. It was a great discussion, and many students came out to the event since it was an issue that concerned them directly.

In February, the club hosted the UBC ITE's Annual Industry Night. This was a highly successful event with a high turnout in students, and included twenty organizations. The 2015 Sponsors included:

- Platinum sponsors: Bunt & Associates, Greater Vancouver Institute of Transportation Engineering (GVITE), McElhanney, MMM Group.
- Silver Sponsors: ISL Engineering, R.F. Binnie.
- Bronze Sponsors: Creative Transportation Solutions, SNC Lavalin.

The student chapter is grateful for the ongoing support from our industry sponsors and partners as well as the Institute of Transportation Engineers.

Three events were held in March. The first being a presentation by Jan Voss of Creative Transportation Solutions on what it is like to be a Civil Engineering Consultant in the transportation industry. It was a great talk that was able to reassure students that they had the potential to become great consultants in their own right if they are open minded, innovative, and diligent.

The second event was co-hosted with the UBC Canadian Society of Civil Engineers and was a presentation by Binnie Project Managers, Scott Campbell and Jeff van Eerenbeemt. During this presentation, students learned what being a Project Manager entails. It was great insight into what a project manager does in the transportation industry, as it is often an area that is not touched on in classes.

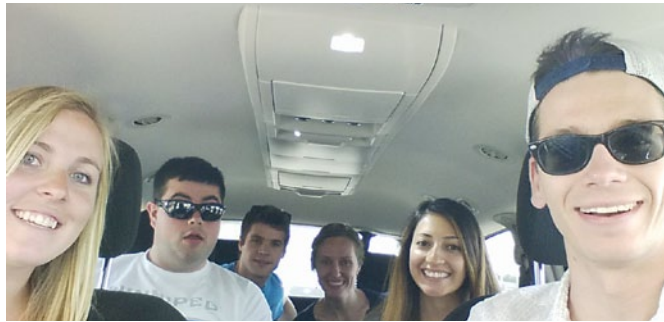
The third and final event of the month was a site tour to the Evergreen Rapid Transit Line. The tour was co-hosted by the



Senior Project Manager, Wendy Itagawa, and the Community Relations Manager, Scott Roberts. ITE members had the opportunity to see several key project stations and were able to listen to talks about the strategic planning behind the placement of said stations.

In April, the club held the final event of the year, a volunteer appreciation night for the UBC ITE student chapter to reflect on the year, socialize amongst one another and to congratulate everyone on a job well done.

UNIVERSITY OF MANITOBA



CITE Regina and the Traffic Bowl



Six students from the University of Manitoba were able to attend the 2015 CITE Conference in Regina, including four first-time CITE attendees. The students participated in many of the conference's

activities including CITE's new conference mentorship program, technical sessions, technical tours, the fierce street hockey game, and the many evening receptions.

On the last day of the conference, a team made up of Morgan Glasgow, Giuseppe Grande, and Steve Wood competed in the



Traffic Bowl. The team advanced directly to the final round of the competition by way of a random draw. It was a hard fought final round, but Team Manitoba overcame the tough competition from the University of Calgary, and the defending champs, the University of Toronto. In addition, congrats to Manitoba's very own Maryam Moshiri who was awarded the Dr. Michel van Aerde Memorial Transportation Scholarship, and the entirety of the Manitoba Student Chapter for their contributions in winning the Student Chapter Activity Award.

As always, the CITE conference is a highlight for our Student Chapter, as it provides students with an opportunity to explore their passion in transportation engineering and meet transportation professionals from across Canada. Thanks to the conference organizing committee, everyone involved in the Traffic Bowl competition, and all the attendees of the first Women in CITE luncheon!

Preparation is underway again to represent the Canadian District at the ITE Collegiate Traffic Bowl later this summer in Florida.

For more information about the University of Manitoba ITE Student Chapter, please go to our website www.iteumanitoba.ca

UNIVERSITY OF NEW BRUNSWICK



Technical Tour

Our most successful event this year was a technical tour of the City of Fredericton's first double lane roundabout that will connect a provincial highway to two major streets. The tour included a presentation on the design aspect of the roundabout and a tour the construction site during the

beginning phases guided by the city's traffic engineer at the time as well as one of the design engineers for the roundabout from exp Services Inc. This was a great learning experience for students to see the entire process from concept to construction of such a high-profile transportation project in our city.

Lunch and Learns

Two Lunch and Learns were held this year, the purpose of these events was to give students the opportunity to be a part of an interactive presentation from transportation professionals on topics related to transportation projects and current events in our province in a less formal setting. Our first Lunch and Learn was about a project that involved a new technique for transporting electrical transformers as their weight far exceeded the weight limits on provincial roadways. The second one was on the simulation of a disruption of critical transportation infrastructure caused by the 2005 independent trucker strike in NB.

ITE Student Member Reception

Five members from our chapter had the opportunity to attend the 94th annual Transportation Research Board (TRB) Annual Meeting in Washington, D.C. The students along with their academic advisor attended the ITE 2015 Student Member Reception held at the ITE headquarters during the TRB conference. Students were able to meet and interact with the ITE Executive Committee and key staff as well as have a chance to meet other ITE student members from 19 different schools all over the world that were in Washington at the time. The University of New Brunswick had the second largest group of students attending this event with six students total.

And the award goes to...



2015 CANADIAN CAPACITY GUIDE WINNERS

To Future Participants: this competition can provide you with a practical perspective into the challenges you may face in your traffic engineering career. It provides a great opportunity to learn / apply an industry design program while becoming familiar with the Canadian Capacity Guide for Signalized Intersections.



FIRST PLACE | Gabriel Wolofsky University of Toronto

Gabriel Wolofsky is currently on co-op with IBI Group as a Transportation Planner before returning to University of Toronto to complete his fourth year in Civil Engineering. Previously he has worked as a research assistant at U of T, and with EllisDon on the Ottawa Confederation Line construction team. Gabriel enjoyed

the CCG competition as a chance to expand the scope of routine intersection calculations taught in class to include considerations for other stakeholder groups, and would encourage students considering a career in transportation consulting to compete. As an avid cyclist, Gabriel is passionate about active transportation planning, and excited about the rapidly changing conversation about cycling as a mode of transportation in North America.



SECOND PLACE | Anthony Kwok Carleton University

Anthony is a senior student from Carleton University who has had previous experiences in transportation engineering working for the Ontario Ministry of Transportation and City of Ottawa. His interests in transportation engineering have enabled him to become involved in the executive of the CITE National Capital Region

chapter. Anthony will continue on to pursue his Masters of Civil Engineering at Carleton University in the fall specializing in Transportation Engineering.



THIRD PLACE (TIED) | Tom (Shuyang) Li, University of Calgary

I am a Fourth year civil engineering student from the University of Calgary. Prior to this competition, I have been involved in my local community and the ITE student chapter through various extracurricular research and volunteering experiences. What I loved the most about this competition was the fact that I had to learn a new software / guide by myself, and apply my newfound knowledge to solve a difficult problem. I would highly recommend students who are interested in traffic engineering to participate in the CCG competition.



THIRD PLACE (TIED) | Jenny Hostland, University of British Columbia, Okanagan

I am currently a fourth year Civil Engineering student at UBC Okanagan. I have completed a work term with the City of Kelowna working as a junior transportation analyst and have an interest in active transportation corridors. This competition was very rewarding as it was a great way to challenge myself and is perfect for developing transportation analysis skills and to learn new user-friendly software. It gives the freedom to be creative with your ideas in order to present an optimal solution and I highly recommend it for all students who have an interest in transportation engineering.

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