



Canadian Institute of Transportation Engineers
BC Interior Chapter

Annual Report 2016



March 15, 2017

1. CHAPTER VISION

We are pleased to write this 2016 Annual Report for the British Columbia Interior Chapter of the Canadian Institute of Transportation Engineers.

The Chapter's vision is to offer all ITE members and transportation professionals in the BC Interior area of the Province of British Columbia (bounded approximately on the west by Hope, on the east by the B.C./Alberta Border, on the north by Prince George, and on the south by the Canada/U.S. border) opportunities and services that:

- Advance CITE objectives;
- Foster closer association among Institute members;
- Encourage members to prepare and discuss papers;
- Offer suggestions on matters of policy to the Institute Board of Direction;
- Consider local transportation and traffic engineering problems and present advice and comments consistent with established Institute policies;
- Foster closer association and cooperation with local individuals and groups on matters of common interest;
- Encourage transportation and traffic engineering education in colleges, universities, and technical schools in the Chapter;
- Encourage high school and post-secondary students to enter the transportation and traffic engineering profession; and
- Encourage and support continuing education courses and programs in the area of transportation and traffic engineering.

The following sections of this report provide a summary of the Chapter's activities for the last year, 2016.

2. INTRODUCTION

We are pleased to provide this 2016 Annual Report for the BC Interior Chapter of the Canadian Institute of Transportation Engineers. We are also very pleased to be able to inform you of Chapter events planned for 2017.

3. CHAPTER EXECUTIVE MEMBERS

The 2016-2017 Executive Committee of the BC Interior Chapter consists of thirteen transportation professionals and one (1) student representative. All members of the Executive are members of ITE and are in good standing. Current members of the Executive were elected to their position at the most recent AGM held on November 10th, 2016.

- President – Ian Roth (First of two year term)
- Vice President – Tom Baumgartner
- Treasurer – Mahesh Tripathi
- Secretary – Ellen Morrison
- Past President – Amanda Watson
- Members at Large – Gord Lovegrove, Brian Oliveira, Brad Colvey, Stephen Sargeant, Sam King, and Peter Truch
- Student Representative – Esraa Jamal
- Greater Vancouver Section Liaison – Brendan Stevenson



Figure 1: The 2016-Executive at the Annual General Meeting

As of September 9, 2016, there were 76 members in the BC Interior Chapter from Kamloops, Kelowna, West Kelowna, Penticton, Oliver, Vernon, and Coldstream. The following figure shows the percent of members from each City. As shown, the majority (76%) are from Kelowna.

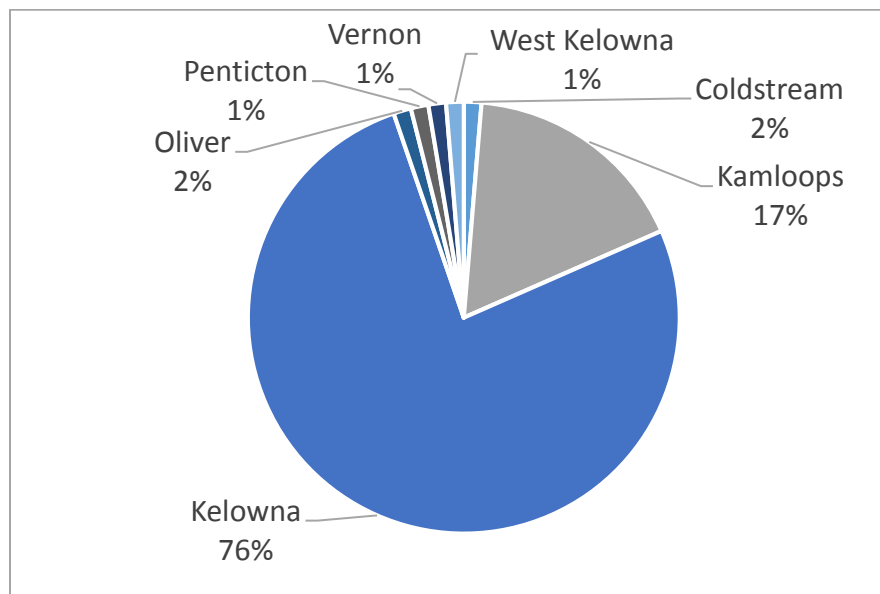


Figure 2: 2016 CITE BC Interior Chapter Membership

4. 2016 ACTIVITIES & EVENTS

4.1. UBCO, ITE Student Chapter

In early 2013, an ITE student chapter was created at the University of British Columbia Okanagan campus (UBCO). This student chapter is doing well and has a total of 78 members, two more than the BC Interior Chapter. One of the student members currently resides as the student chapter liaison on the Executive. A summary of the student chapter events and activities is provided in Appendix A.

4.2. Spring Event: National CITE Conference – June 5th to 8th, Kelowna, BC



The CITE 2016 Conference was held at the Delta Grand Hotel in Kelowna, BC from June 5-8, and was a stunning success. We were blessed with amazing sunny weather, a fantastic technical program, engaging tours, and festive social events. Over 300 delegates attended and we had many memorable moments together including an exciting traffic bowl, a thrilling street hockey game, and plenty of fun in between.

In total there were 32 technical sessions. The program theme of *Connecting Lifestyles* was well suited to the Okanagan region and focus was placed on how the transportation profession is proactively connecting our lives with our communities and economies. Technical tours included a cycling tour of the Myra Canyon railway trestles, the W.R. Bennett Bridge, urban cycling tour, and a downtown walking tour. Additional details can be found here:

<https://www.cite7.org/news-events/conferences/2016-kelowna/>.

Holding the 2016 national conference also earned the BC Interior Chapter the Section Activity Delta Award.



Figure 3: BC Interior Chapter Receiving Section Activity Delta Award



Figure 4: 2016 CITE Conference Local Arrangements Committee



Figure 5: Myra Canyon Trestles Cycling Tour

4.3. Fall 2016 Joint ITE-PIBC Event and AGM - November 10th, 2016

On November 10th, the CITE BC Interior Chapter and Planning Institute of British Columbia (PIBC) co-hosted their annual technical mini-conference at the Tournament Capital Centre in Kamloops, BC. The mini-conference theme entitled “Healthy Communities” provided five presentations, which included

keynote speaker Todd Litman and a workshop by Interior Health. The topics covered how health and transportation are integrated, involving community planning, road safety design, active transportation infrastructure, railways, and policy.

The presentation topics included:

- *The Economic Case for Healthy and Resilient Community Planning and Design* by Todd Litman, Victoria Transport Policy Institute
- *Integrative Approaches to Healthy Communities: University-Community Collaboration and a Story About How Transport GHG Emissions Matter to Well-Being*, by Keith Culver and Ahmed Idris, University of British Columbia
- *Integrating Health into All Policies and Actions*, by Tanya Osbourne, Pam Moore, and Dr. Sue Pollock, Interior Health
- *Lessons Learned in the Netherlands: Sustainable Community Planning and Design*, by Anna Zhuo, University of British Columbia and Ellen Morrison, City of Vernon
- *Rail Crossing Safety*, by Ana Cody, Transport Canada

About 60 public and private sector professionals attended the event, representing ITE, PIBC, government, and consulting firms. Creative Transportation Solutions (CTS), Watt Consulting Group, and Stantec were our three conference sponsors.



Figure 6: CITE / PIBC Fall Mini-Conference – Interior Health Workshop Breakout Session

During the conference, we conducted our Annual General Meeting (AGM) and Executive Elections, and we are happy to announce that all incumbent nominees moved on to their new roles as listed in Section 3 of this report. The officers were sworn in by Jan Voss.

4.4. Future Events

Following our 2016 fall mini-conference event, we issued a survey to our members to determine what type of events they would like to attend in the future. A \$50 prize incentive was included to encourage participation in the survey, and we received 31 responses. Results are shown in Appendix D.

Key findings of the survey suggest that in addition to typical technical presentations / workshops, members would also enjoy social events. We plan to continue hosting day long mini-conferences since this is preferred by our members, and will also introduce a summer social event. The planned events for 2017 follow:

- Spring Mini-Conference in May or June – sustainable communities and cycling theme
- Summer Family Beach Barbeque
- Fall Mini-Conference in November – theme to be determined.

5. CHAPTER OBJECTIVES

For the year of 2017, the Chapter has identified the following objectives for action and priority in continuing to serve its members with a high quality CITE experience. These include the following:

Objective 1 – The BC Interior Chapter will focus on facilitating two technical / professional development focused events with one planned for the Spring and one for the Fall of 2017.

Objective 2 – The BC Interior Chapter intends to host a summer social event to provide an opportunity for professionals and students to network and connect in a casual atmosphere.

Objective 3 – The BC Interior Chapter Executive will move to apply for Section designation under the CITE District and seek affiliation with the UBC Okanagan Campus Student Chapter.

6. FINANCIAL REPORT

At the start of 2016, the Chapter started with \$1,459.34. By the end of 2016, the Chapter had generated a net revenue of \$12,459.08, for a final balance of \$13,918.42. This was in large part due to the funds generated from the national 2016 CITE conference. The following table shows the details of the annual financial report, from January 1, 2016 to December 31, 2016.

Treasurer's 2016 Annual Financial Report:

Period Start Date: 1-Jan-16

Period End Date: 31-Dec-16

Overview

Account Balance (End Date)	31-Dec-16	\$ 13,918.42
Account Balance (Start Date)	1-Jan-16	\$ 1,459.34
Cash on Hand	31-Dec-16	\$ -
Total Available Funds		\$ 13,918.42

Revenues

BC CITE/PIBC Fall 2016 Mini-Conference - Revenue	23-Dec-16	\$ 871.55
Deposit of Shares	16-Dec-16	\$ 29.70
CITE 2016 National Conference Revenue	10-Dec-16	\$ 10,730.37
BC CITE/PIBC Fall 2016 Mini-Conference - CTS Sponsorship	10-Dec-16	\$ 150.00
BC CITE/PIBC Fall 2016 Mini-Conference - Watt Consulting Sponsorship	9-Dec-16	\$ 150.00
CITE Annual Report Rebate	9-Jun-16	\$ 250.00
BC CITE/PIBC Fall 2015 Mini-Conference - Revenue	25-Feb-16	\$ 273.06
BC CITE/PIBC Fall 2015 Mini-Conference - Stantec Sponsorship	3-Feb-16	\$ 150.00
		\$ 12,604.68

Expenses

Cheque Withdrawal	10-Dec-16	\$ 80.00
Monthly Account Charges		\$ 65.60
		\$ 145.60

Net Cash Flow

Net Cash Flow January 1, 2016 to December 31, 2016		\$ 12,459.08
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Closing Balance

Bank Account (Calculated)		\$ 13,918.42
Bank Account (Actual)		\$ 13,918.42
Cash on Hand		\$ -
Total Closing Balance		\$ 13,918.42

7. COMMUNICATIONS

7.1. Chapter Email Account

All communication sent and received by the Chapter, its executive, and affiliate members, is provided through a gmail email account. This email account is used for all 'official' Chapter communications to its members and affiliates, and as the primary contact method for individuals to contact the Chapter Executive.

All members of the Executive are encouraged to "carbon copy" the Chapter email address for Chapter related correspondence as a means of saving/filing important communications for future use. The email address is as follows: cite.bcinteriorchapter@gmail.com

7.2. Chapter Webpage

The Vancouver Section of ITE has provided a page on their website for the use of the BC Interior Chapter. General information regarding the Chapter, a copy of our Charter and Bylaws, and an up-to-date Contact List for the Executive is maintained on this webpage. The webpage address is as follows: <http://www.citevancouver.org/interior/>

Appendix A

UBCO Student Chapter Annual Report



2016-2017 ANNUAL REPORT

University of British Columbia – Okanagan

ITE Student Chapter



OKANAGAN

Submitted by:

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Date: March 15th, 2017

Endorsed by:

Dr. Gord Lovegrove | Associate Professor
Chapter Advisor UBCO ITE
Telephone: (250) 807 8717
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Date: March 15th, 2017

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1.0 Introduction

The Institute of Transportation Engineers Student Chapter at the University of British Columbia-Okanagan campus, is a growing club that is committed to promoting the principles and views of the ITE community. During 2016 and 2017, the club organized and hosted several events to expose students to transportation and planning engineering practices. The club enjoyed the enthusiastic participation of our local professional engineers at our events, who focused on sharing and fostering their successes and experience with ITE. The club has exponentially grown in the past years with the help of the BC Interior Chapters, our academic advisors and hardworking executive team. The expectations of our executive members are increasing and we wish to continue to expand ITE to our community.

2.0 Executives

The chapter currently has a total of 78 members. The following are the executive members for 2016-2017 year:

Karen Reimann	President
Nick Gorman/John Rozema	Vice President
Zarahnaaz Feroz	Treasurer
Eric Ma	Secretary
Abdul Masoud	Member at Large
Tanner Vollema	Member at Large
Esraa Jamal	BC Interior Chapter Representative
Victoria You	Former President

3.0 Chapter Activities

The UBCO ITE Student Chapter executive brought, with great effort, very successful events this academic year. We were excited to see the enthusiasm and interest of students in transportation engineering shown during our gatherings. Most of the events exceeded the expected number of

attendees, which is an immense sign of prosperity for the future of ITE at the University of British Columbia, Okanagan. Engineering clubs usually struggle to gain attendance and participation especially from undergraduate students and through new promotion methods and initiatives, CITE at UBCO was able to achieve this.

The following sections describe events that occurred in 2016-2017:

3.1 Traffic Bowl

During the 2016 CITE Annual Conference that took place in Kelowna, BC on June 6th, the UBCO ITE Student Chapter participated in the Traffic Bowl as one of the teams competing in the Canadian District. The team members for the Traffic Bowl were Eric Ma, B.A.Sc., John Rozema, B.A.Sc., and Karen Reimann, B.A.Sc. The team was coached by Ellen Morrison, the current Secretary of the BC Interior Chapter, Dr. Ahmed Idris and Dr. Gordon Lovegrove, the UBCO Academic Advisors and Abdul Masoud, 2015 Traffic Bowl Competitor. Our team finished strong and made UBCO proud.

3.2 Field trip to Kettle Valley Railway (KVR)

On October 1st, 2016, UBCO civil engineering students toured Summerland's historic Kettle Valley Steam Railway, part of a preserved line branching from the Canadian Pacific Railway. The tour took a restored steam locomotive passenger line through Prairie Valley on to Trout Creek Bridge, with stunning views of orchards, vineyards, and Okanagan Lake. Afterwards, students received a special technical showcase of KVR's steam locomotive and diesel engine, as well as a hands-on demonstration of railway operations.



Students at the field trip to Kettle Valley railway.

3.3 Presentation Night

On October 13, 2016, the CITE UBCO Club hosted a Presentation Night, where three guest speakers with different backgrounds in transportation engineering got together to share their experiences in Complete Street projects with the students of UBC Okanagan. Ian Roth from Urban Systems Ltd. described the planning, objectives and designs of a Complete Street project in the City of Castlegar. Alon Weinberger from Evolve Traffic Solutions talked about the implementation of microsimulation in different Complete Streets projects. Finally, Matthew Boyd from BC Transit shared his experience in planning for a Complete Street project and some of the solutions applied. The event was a huge success with over 50 students attending from different disciplines in engineering - further increasing our club's exposure and membership.



Alon Weinberger, from Evolve Traffic Solutions, presenting Microsimulation in Complete Streets projects during the Presentation Night.

3.4 Industry Night

On January 27, 2017, the CITE UBCO club hosted an Industry Night, which included two guest speakers, a networking session and a ‘Mini-tiny Traffic Bowl’, which was a miniature version of the ITE Collegiate Traffic Bowl. The first guest speaker was Steve Sargeant from Watt Consulting Group, who shared some of his experiences working in the private sector. The second speaker was Rafael Villarreal, an Integrated Transportation Manager at the City of Kelowna, and he discussed his experiences related to the public sector of transportation engineering. Following the presentations, a networking session was held to allow the students to meet with the industry guests. The last activity of the evening was the Mini-tiny Traffic Bowl. For this event, six teams were assembled by pairing two students with an industry guest. The teams faced off in a head-to-head semi-final rounds, with the three winning teams in the final

round. The event was very successful, with approximately 40 students and more than 10 industry guests attending. Dr Lovegrove moderated and really ‘lit up’ the place!



After “Mini-tiny Traffic Bowl” at Industry Night.

4.0 Financial Summary

In the beginning of the term we started out with \$579.43 in our accounts. This year we decided that it was important to have a set amount of money in our accounts at the end of the year, so instead of simply spending the money that we had, we decided to apply for funding for certain events via available methods on campus. We were able to apply for funding through our university Student’s Union by outlining our budget for each semester and subsequently, were granted a total of \$200 for Term 1 and \$300 for Term 2. We also applied for funding through our Engineering Society for a Term 1 Industry Night and were granted a total of \$690 for the event, but unfortunately had to forfeit the funding due to the cancellation of the event. However,

through the application process we became aware of the different funding methods available at our campus. For next year, we would recommend fundraising as an option as well as applying for other two methods which we did not utilize this term called the Professional Activities Fund (PAF) and UBC Tuum Est. For the most part our events did not require a large budget and so we were able to leave a total of \$2313.71 behind for summer and upcoming school year. For details please refer to the table below.

Treasurer's Final Report, September 6, 2017 to March 30, 2017.

Overview	Date	Amount (\$)	Note
Account Balance (End Date)	16-Mar-17	2313.71	
Account Balance (Start Date)	06-Sep-16	579.43	
Cash on Hand		N/A	
Total Available Funds		2313.71	
Revenues			
CITE Conference Revenue/ Deposit	15-Nov-16	1192.26	(1)
CITE Annual Report Rebate	15-Nov-16	500	(1)
Students Union Funding Award Term 1	05-Oct-16	200	
Engineering Society Funding Award Term 1	01-Nov-16	690	
Engineering Society Funding Award Term 1	17-Nov-16	-690	(2)
Students Union Funding Award Term 2	25-Jan-17	300	
Total		2192.26	
Expenses			
Presentation Night Pizza	13-Oct-16	0	(3)
Presentation Night Juice	13-Oct-16	12.99	
CITE Banner/ Stand	20-Jan-17	110.88	
Industry Night Snacks/Drinks/Cutlery/Napkins	27-Jan-17	85.97	
Industry Night Pizza	27-Jan-17	181.44	
Industry Night Speaker/Winner Gifts	27-Jan-17	66.7	
Total		457.98	
Net Cash Flow			
September 6, 2016 to March 16, 2017		1721.29	
Closing Balance			
Bank Account (Calculated)		2313.71	
Bank Account (Actual)		2313.71	

Cash on Hand		N/A	
Total Closing Balance		2313.71	

- (1) Although received in May, cheque was not cashed, so new cheques were received and cashed in November.
- (2) Due to Cancellation of event, funding awarded for event was returned.
- (3) Pizza Total of \$80.33 was generously donated in full by academic advisor Dr. Gordon Lovegrove.

5.0 Conclusion

The UBCO CITE Student Chapter successfully hosted field trips, guest speaker presentation nights and competitions throughout the school year and intends to continue to do so by promoting the club to students, especially those in the Faculty of Engineering. Not many people are always aware of how diverse Civil Engineering, especially Transportation Engineering can be and building that awareness is the key goal of CITE UBCO. The highlight of the year was the high attendance at events and the growth in the executive team in terms of teamwork, organization and diversity in the form of graduate and undergraduate students. The goals for next year are to keep organizing and incentivizing innovative events related to the field of transportation and planning engineering, as well as to keep expanding connections with local industry and professionals, collaborating with other Universities and further planning events on a larger scale in hopes of consolidating the ITE academic community.

6.0 Appendix

List of current members 2015-2016:

#	NAME	#	NAME	#	NAME
1	Noah Dietrich	37	Harsh Khan	73	Steven Howard
2	Reza Afzali	38	Hassan Masood	74	Sydney Mclean
3	Nuwanthi Thennakoonwela	39	Janelle Mah	75	Tanner Vollema
4	Aaron D Trenn	40	Jasmeen Takhar	76	Tanner Fjellstrom
5	Justin D Frieser	41	Joel Luksts	77	Zarah Feroz
6	Wyatt L Park	42	John Rozema	78	Zartasha Javed
7	Karen Reimann	43	Jorgen Elsborg		
8	Aaron Stroda	44	Kashmira Kaushik		
9	Abdulrahman Masoud	45	Kayla Bruce		
10	Adam Wong	46	Keenan Scott		
11	Akshay Jain	47	Kelly Malish		
12	Alex Macgillivray	48	Kelti Macdonald		
13	Ali Ahmadi	49	Kody Pepper		
14	Andreas Avgoyrsi	50	Kurtis Spence		
15	Terry Zhang	51	Kushall Hp		
16	Sanduni De Silva	52	Kyle Brown		
17	Ankur Partap Singh	53	Laura Herrera		
18	Kyle Briggs	54	Lloyd Nordin		
19	Jennifer Hughes	55	Matt Holbrook		
20	Braden Harris	56	Matthew Marak		
21	Bruce Aitken	57	Meghn Khurana		
22	Carly Beecroft	58	Mitchell Lange		
23	Chinmaya Thakore	59	Mitchell Pearson		
24	Donovan Klassen	60	Mohit Kumar		
25	Shena Changirwa	61	Nathan Harvey		
26	Cameron Lee	62	Nick Gorman		
27	Eric Ma	63	Peter Smith		
28	Daylath Mendis	64	Pierre Desjardins		

29	Domitius Jarrouj	65	Robert Sims
30	Elliot Stewart	66	Robert Sinclair
31	Esraa Jamal	67	Ryan Meyer
32	Evan Burns	68	Sabrina Moore
33	Evangeline Saclamacis	69	Saveena Kahlon
34	Evyn Hamilton	70	Sidney Paul
35	Farhad Faghihi	71	Simon Welsh
36	Fatemech Enayatollahi	72	Sosan Rizvi

Appendix B

Fall Mini-Conference Poster

HEALTHY COMMUNITIES



- 9:00 AM** **Registration**
- 9:30 AM** **Introduction** - Paul Dupuis, Co-Chair of PIBC Interior Chapter
- 9:45 AM** **Opening Keynote**
"The Economic Case for Healthy and Resilient Community Planning and Design" - Todd Litman, Victoria Transport Policy Institute
- 11:00 AM** **Morning Session**
"Integrative Approaches to Healthy Communities: University-Community Collaboration and a Story About How Transport GHG Emissions Matter to Well-Being" - Keith Culver, Professor of Management and Ahmed Idris, Assistant Professor of Engineering from University of British Columbia
- 12:00 PM** **Lunch followed by CITE and PIBC Annual AGMs**
- 1:00 PM** **Afternoon Session**
"Integrating Health Into All Policies and Actions" - Tanya Osbourne, Pam Moore and Dr. Sue Pollock, Interior Health

"Lessons Learned in the Netherlands: Sustainable Community Planning and Design" - Ellen Morrison, City of Vernon and Anna Zhuo, UBC School of Community and Regional Planning
- 2:30 PM** **"Rail Crossing Safety"** - Ana Cody, Transport Canada
- 3:00 PM** **Wrap-up** - Amanda Watson, President of the BC Interior Chapter of CITE

Date:

November 10, 2016

Place:

Tournament Capital Centre
Room A & B

910 McGill Road, Kamloops

Cost:

\$50 ITE/PIBC Members

\$60 Non-members

\$25 Students
(taxes included for all)

PIBC Members earn 4.0 CPLs

Register Online:

<http://www.cvent.com/d/yvq27c>

or

Contact PIBC:

office@pibc.bc.ca

by November 6, 2016

This event is proudly sponsored by:



Appendix C

Transportation Talk Article Advertising
the 2016 CITE Conference

Transportation ite Talk

CANADIAN INSTITUTE OF TRANSPORTATION ENGINEERS MEMBER NEWSLETTER
Volume 38, Number 1

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Welcome to the Spring 2016 Edition of Transportation Talk! This is our special edition featuring the latest breaking news about this year's annual CITE Conference held, for the first time, in beautiful Kelowna, BC.

Jointly hosted by the BC Interior Chapter and the Greater Vancouver

Section, our Local Arrangements Committee (LAC) has developed a diverse technical program full of engaging topics, conversation circles, and panel discussions. 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 William R. Bennett Bridge, one of the longest floating bridges in North America. We are also offering cycling and walking tours of the vibrant urban landscape of downtown Kelowna.

As you read this edition of Transportation Talk, you will gain all the information needed to make the decision to join us. Don't forget to continue checking the conference website for the most up-to-date information.

Conference registration and accommodation bookings are available online, so go check it out at cite7.org/Kelowna2016.

If you're still waiting to register, this is your personal invitation to join us! Meet new friends, who will soon enough become old friends because that's how these things work. The CITE 2016 Conference is one you don't want to miss and the LAC looks forward to welcoming you and your family to join us from June 5 to 8 as we celebrate our 20th Anniversary as a Chapter of CITE!



James Donnelly



Jan Voss

Co-Chairs, Kelowna 2016 Local Arrangements Committee

Find us at  twitter.com/CITE2016 and  facebook.com/CITE2016/

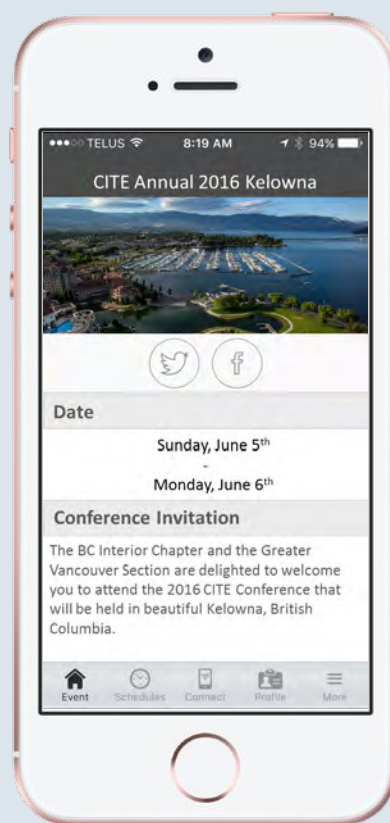
CONFERENCE APP

After last year's successful debut of the CITE2015 conference app in Regina, the LAC is excited to bring the conference app here to Kelowna! The CITE2016 conference app will be available to download on May 5 from the Apple App Store and the Google Play Store.

The conference app will be your go-to source of information and includes the full technical program, list of speakers, schedule of special events, technical tour information, and a live media feed. In addition, the app will allow delegates to:

- See a map with the locations of all conference events
- Create your own personalized schedule of daily sessions so you don't miss a specific session or speaker
- Gain access to published abstracts
- Connect and exchange contact information digitally
- Get notifications and reminders for key events throughout the conference

We encourage you to download the app before you get here so that you are ready to enjoy everything the conference has to offer!



REGISTRATION INFORMATION

REGISTRATION TYPE

Early Bird

After May 8

Regular - Full Conference.....	\$625.....	\$675
Student - Full Conference	\$100.....	\$100
Single Day.....	\$315.....	\$340
Workshop only (June 8-9).....	\$400.....	\$400

EVENT TICKETS

Conference Banquet (June 7)	\$95 per ticket
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**Early Bird Deadline
extended to May 8!**

Register now at cite7.org/Kelowna2016

REGISTRATION NOTES

- Full Conference registration includes one complete set of event tickets.
- Students must provide a valid ITE student member number for Student registration.
- Single Day registration also includes lunch.
- Special Note: British Columbia GST (5%) will be applied in addition to all above noted.

CANCELLATIONS AND REFUND POLICY

- **100% REFUND:** if request is received in writing 15 days or more prior to the start of the conference.
- **50% REFUND:** if request is received in writing 7 to 14 days prior to the start of the conference.
- **0% REFUND:** if request is received in writing less than 7 days prior to the start of the conference.

Email requests for refunds to
kelowna2016_registration@cite7.org.

WHERE TO STAY

The Kelowna 2016 LAC has partnered with the beautiful Delta Grand Okanagan Resort to bring you this year's Annual CITE conference! Located in central downtown Kelowna, the Delta Grand Resort is steps away from award winning restaurants and both the cultural and shopping districts. Sitting immediately next to the shimmering Okanagan Lake, the Delta Grand is surrounded by waterfront, parks, beaches, and public plazas. We are absolutely certain you will enjoy your time spent here during the 2016 CITE conference!

Special guestroom rates for the Kelowna 2016 conference delegates have been arranged with the Delta Grand Resort as follows:

Guest Room \$219/night

Deluxe Guest Room \$264-274/night

To book a guestroom, please visit [Book a Room](#) or call the hotel reservation line directly at 1-800-465-4651 or 250-763-4500. If you are having any challenges booking online or if you wish to extend your stay before or after the conference, please call the hotel's local number 250-763-4500 and ask for "On Site Reservations."

Rates are quoted on a per room, per day basis and are net, non-commissionable. Please note that applicable taxes and fees are not included in the above rates.



CREDIT: DELTA HOTELS

TECHNICAL SESSIONS

MONDAY, JUNE 6

Session 1 — 9:00 - 10:30

Session A1 – Engaging our Public

How do we ensure taxpayers get what they want (need)?

- Calgary cycle track network launch
- Cross-Canada walkability survey
- Public engagement process for major bike route implementation in Edmonton
- Calgary 7th Street cycle track: in-service road safety review

Session B1 – Transportation & Health Workshop

How do health and transportation sectors build on synergies?

- The Journey: working towards a healthier built environment in BC – Provincial cross-training workshops
- A case study of the transportation referendum in Metro Vancouver and the new role of the health sector

Session C1 – Economic Spinoffs of Transportation Projects Roundtable

How can transportation professionals help support our economies?

- Kelowna airport
- Crowchild and Flanders interchange
- UBC Point-Grey Campus bus terminal and covered layover facilities

Session D1 – Connecting BC

- George Massey tunnel replacement project
- TransCanada Highway Program
- The Evergreen Line – connecting communities with Rapid Transit
- Central Okanagan planning study

Session 2 — 13:30 - 15:00

Session A2 – Data for Decision Makers I

How do we get the decision makers to read it, understand it, and act on it?

- Parking lane width within a Complete Streets environment
- Developing a simulation Best Practices with SimCap
- How the City of Vancouver is proactively improving cycling safety
- Innovative approaches to assessing risk exposure on rural road networks

Session B2 – Connecting Decision Makers & Transportation Planning Workshop

How much control should go to provincial policy makers over delivery of local planning and budgets?

- Transportation Governance Panel
- Developer funded Area Structure Plans: Connection & collaboration in land use & transportation planning
- The changing role of provincial highway agencies and their highways
- The case for a provincial active transportation strategy

Session C2 – Debate: How to Plan for Family-friendly Transportation Systems

How do we connect realistic targets to successful outcomes?

- How bicycle facility and network design is supporting complete streets in Kelowna
- The Regina TMP: from uni-mode to multi-mode
- BIKETORIA and the rapid implementation of a city-wide network
- Bikeways to connect the City of Bogota, Colombia



CREDIT: CITY OF CALGARY



CREDIT: BC MINISTRY OF TRANSPORTATION & INFRASTRUCTURE



CREDIT: DYLAN PASSMORE

MONDAY, JUNE 6

Session 3 — 15:30 - 17:00

Session A3 – Moving from Vision to Budget*How can asset management be used for evaluation before infrastructure is built or during its lifecycle?*

- Quantifying the economic benefits of road safety audits for P3 highway projects
- Place-making with pavers
- Robust Multi-modal Trip Generation in Canada
- Prioritizing pedestrian and bicycle infrastructure investments

Session B3 – Safe Routes & Kids Conversation Circle*Why aren't more cities doing it, and how can it be more effective?*

- RRFB pedestrian crossing in Port Moody
- Sustainable safety through school site design in St. Albert
- Improving playground and school zone awareness
- The evolution of Surrey's Safe & Active Schools program
- Kelowna's Safe Routes to School program

Session C3 – Policy to Implementation Conversation Circle*How do we convince decision makers to relax traditionally strict parking regulations in zoning bylaws?*

- Reducing parking for mixed-use developments, Hamilton - the Connolly parking stackers
- Parking: an important, but overlooked, transportation planning tool

Session D3 – ExCITE Launch Party!*Come out to learn more about ExCITE and help shape this new initiative for emerging members*

- We'll kick off with a panel discussion on finding our way in the transportation industry with an intro to ExCITE and special guests.
- A brainstorming session will follow to dig into what ExCITE can do for you or other hot topics.
- We'll wrap with a discussion of the next steps for ExCITE and how you can make your mark.

TUESDAY, JUNE 7

Session 4 — 8:30 - 10:00

Session A4 – Research to Practise*Technology and Methods to Promote Efficiency*

- Methods to estimate pedestrian AADT from short duration counts
- Advanced traffic signal control using Bluetooth detectors
- Using transit AVL data to estimate the reliability of vehicular speeds in Toronto
- Using WiFi signals to estimate intersection travel time

Session B4 – Policy to Implementation*Getting the ideas off the drawing board and built*

- Application of Complete Streets in the greenfield context
- Evolution of cycle track designs in Kelowna
- Implementation of bicycle signals for a two-way cycle track on a one-way street
- Bernard Avenue revitalization

Session C4 – Policy to Implementation Conversation Circle*What's new and what's in it for you?*

- BC RSS - a snapshot of road safety in BC communities
- Variable speed signs on BC highways
- Information on the new grade crossing regulations

Session D4 – Transportation Camp Unconference*Hosted by Young Professionals in Transportation*

- Do you have a burning transportation topic you want to talk about? Want to learn more about what others are doing in transportation?
- Transportation Camp provides you with a unique opportunity to propose, lead, and shape open and engaging conversations about transportation
- An unconference is multiple rounds of sessions with different topics, group sizes, and formats (presentation, group discussion, Q&A, workshop) which are all proposed by attendees themselves.
- Perfect for attendees who want to generate ideas, talk about topics they feel passionate about, or inspire others in the field of transportation!

TECHNICAL SESSIONS

TUESDAY, JUNE 7

Session 5 — 10:30 - 12:00

Session A5 – All About Research

Using High Tech Data Sources & ITS to Promote Safety & Complete Streets

- Winnipeg's safety performance functions and network screening project
- Road user analytics using computer vision techniques
- ITS and Complete Streets: a case study of Springfield Road in Kelowna
- Collision prediction models for Calgary arterials

Session B5 – Connecting History to Present

Lessons learned from historic transportation projects

- Safety impacts of red light cameras - Hamilton
- A decade of parking and TDM at Royal Jubilee Hospital in Victoria
- Niagara Frontier cross-border travel patterns
- Okanagan Valley E-Rail

Session C5 – Protecting our Public

Community-based strategies for managing traffic

- Community traffic management planning
- Main Streets update to a Complete Streets policy
- The effectiveness of SLOWS trailers in reducing speed
- The health benefits of Helmcken bikeway

Session 6 — 13:30 - 15:00

Session A6 – More on Research

Innovations in improving the efficiency of our transport infrastructure

- Transportation impacts of Interior Health Authority's building relocation
- Using Bluetooth detectors to evaluate arterial traffic signal retiming
- Emerging research and practice with AADT
- Modelling transit utilization impacts on land use in the central Okanagan

Session B6 – Vision Zero World Café

Designing safer transport systems – Proven ways 2 stop the biggest killer of our youth

- Building Coalitions - Safe and Smooth: process and outcome
- Rural - Community safer solutions
- Education - Vision Zero adoption in Canadian Municipalities
- Built Form – Neighborhoods that sustain improved road safety
- Funding – We need data driven solutions via improved data quality and quantity – how?

Session C6 – Connecting Big to Small Conversation Circle

What do big cities do that we can too?

- Placemaking Bolton
- New bicycle counters in Kelowna
- Planning an integrated multi-use pathway in Castlegar

Session D6 – Innovative Technology Connections

Using emerging technologies and information for improved designs

- Data driving drones
- York TMP
- Making roundabouts accessible for all users



CREDIT: COMPLETE STREETS FOR CANADA

TECHNICAL SESSIONS

TUESDAY, JUNE 7

Session 7 — 15:30 - 17:00

Session A7 – Big City Ideas For You II

Successful area-wide strategies

- Mississauga – The Evolving Story
- Dixie Road reconfiguration and bike lanes
- Road cross sections for all ages and abilities
- Agent-based approach to integrated transit-land use planning for small and rural communities

Session B7 – ITE Leadership Council Conversation Circle

Session C7 – Present to Future Conversation Circle

Car sharing, autonomous vehicles & real-time ridesharing – why are they driving change?

- Trip and system characteristics of one-way car sharing
- Traffic control signal timing parameters for autonomous vehicles
- Car sharing in Kelowna
- Autonomous vehicles

WEDNESDAY, JUNE 8

Session 8 — 10:30 - 12:00

Session A8 – Data for Decisions

Promoting Best Practises in Transportation – Decision-making tools

- Mode choice decision support system to promote transit
- CITE Traffic Calming Guide update
- CITE Driveway Turn Lanes Guide

Session B8 – Our Eco-System, do we care? World Cafe

What more can be done to kick-start local government sustainability initiatives?

- Anti-idling policies to reduce emissions
- ComPASS
- Kelowna's GHG reduction strategy

Session C8 – Tourism and Events Debate

Was it a great PR campaign or was it great transportation planning?

- 2015 PanAm/Para Games in Toronto
- 2010 Vancouver Winter Olympics
- North Park Street
- Regina Stadium event planning

Session 9 — 13:30 - 15:00

Pecha Kucha – Best of the Best

10 presentations in 20 minutes



CREDIT: RICHARD DRDUL



CREDIT: KELOWNA DAILY COURIER

WORKSHOP

WEDNESDAY, JUNE 8 AND THURSDAY, JUNE 9

Safe Systems Approach to Bicycle Facility Design Workshop

Based on the internationally acclaimed Dutch Sustainable Road Safety principles, which are the basis for the Safe Systems Approach used worldwide, the workshop will take participants through a user-centric approach that employs the latest in emerging psychology and engineering research findings on cyclist behaviour in relation to road and vehicle design.

In addition to short lectures, the workshop will include small exercises to illustrate the findings. Critical success factors will be shared, including those on cyclist behaviour, such as hazard perception and distraction. An interactive discussion will be facilitated on how to translate these findings for planning cycling safety strategies. Such strategies need to address the infrastructure, but also education, enforcement and adequate bicycle design. Examples of how to assess the impact of such measures will be presented. Finally, the (potential) impact of the emergence of new technology such as self-driving cars, as well as electric bicycles will be addressed.

The workshop will be hosted by Dr Divera Twisk, Senior Researcher with the Dutch Traffic Safety Research Institute, and Dr Marjan Hagenzieker, Professor of Civil Engineering at the Technical University of Delft, Netherlands.

AFTER ATTENDING THIS COURSE, YOU WILL BE ABLE TO:

- Develop a better understanding of user-centred design in a historical context
- Contribute to the development of integrated road safety strategies
- Develop and implement safe bicycle facilities

COURSE OUTLINE

Wednesday: 1:00 p.m. – 5:00 p.m.

- An introduction into the safe system approaches
- Human behaviour in the control of danger

Thursday: 9:00 a.m. – 1:00 p.m.

- Effective Measures to improve safety for cyclists
- The Nanny state: overprotection or personal freedom
- Innovation in bicycle design: opportunities and barriers
- Future challenges: the potential impact of emerging technology

WHO SHOULD ATTEND

Those involved in road design and road safety strategies, planners, cycling professionals, consultants, developers, policy makers.

REGISTRATION INFORMATION

- Price: \$400 + tax
- You may register for the workshop alone or as an add-on to the conference.

REGISTER NOW ONLINE

For more information, go to www.cite7.org/Kelowna2016 or contact Gordon Lovegrove at gord.lovegrove@ubc.ca



TECHNICAL TOURS

SUNDAY, JUNE 5

MYRA CANYON TRESTLES CYCLING | TOUR A

The Myra Canyon Trestles bike tour provides incredible views of Okanagan Lake and Kelowna along the Kettle Valley Railway. The railway was originally opened in 1915 and the Myra Canyon section provided service from Midway to Penticton, BC until 1973. The segment has since been converted to a multi-use recreational trail. Several of the trestles have been reconstructed following the 2003 Okanagan Mountain Park Fire which claimed 12 of the 18 trestles on the Myra Canyon section.

The tour will consist of a 20 km ride with 18 trestles and 2 tunnels. Grades along the repurposed railway are no more than 2% thereby facilitating an easy ride for cyclists. [Monashee Adventures](#) will be facilitating the tour and will provide bike rentals, snacks, and water. Dr. Gord Lovegrove, Associate Professor in Civil Engineering at the University of British Columbia Okanagan Campus will be guiding the tour and providing information of the history, design, and operations of the corridor.

Price: \$100

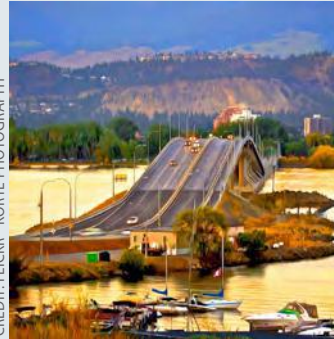
Time: 1:00 p.m. - 5:00 p.m.



CREDIT: FLICKR - KORTE PHOTOGRAPHY

MONDAY, JUNE 6

The W.R. Bennett Bridge tour will deliver an on-site tour of the bridge highlighting the history, P3 process, design, construction, operations, and maintenance of the bridge. High visibility vests and hard hats will be provided. Appropriate footwear is required.



Price: \$25

Time: 1:00 p.m. - 4:30 p.m.

Spaces Available: 20

TUESDAY, JUNE 7

URBAN CYCLING | TOUR C

The urban cycling tour will showcase a variety of cycling facility types in Kelowna. The tour will be comprised of a 10+ km loop that will feature on- and off-street facilities, bike signals, pedestrian and cycling overpass, waterfront trails and more. Key locations include the Cawston Avenue multi-use corridor, the Rails with Trails corridor, Springfield Road / Cadder Avenue bike lanes, Abbott Street multi-use corridor and City Park trail. Tour guides will occasionally stop with the group to discuss the challenges and merits of the various facilities.

[Monashee Adventures](#) will be facilitating the tour and will provide bike rentals, snacks, and water. City of Kelowna staff will provide the technical content of the guided tour. The tour will commence at the conference venue and a brief introductory presentation will be provided.



CREDIT: CITY OF KELOWNA

Price: \$50

Time: 8:30 a.m. - 12:00 p.m.

Spaces Available: 30

MONDAY, JUNE 6

W.R. BENNETT FLOATING BRIDGE | TOUR B

The William R. Bennett Bridge provides the only crossing over Okanagan Lake, forming an integral transportation link for the Region. The bridge came into service in May 2008, replacing the Okanagan Lake Bridge which was in service for 50 years. The Ministry of Transportation and Infrastructure entered into a Public-Private Partnership (P3) with SNC-Lavalin to design, build, finance, operate, maintain, and rehabilitate the bridge over a 30-year term. The structure is supported by floating pontoons and provides two lanes eastbound, three lanes westbound, and a shared pedestrian and cycling pathway on the south side of the bridge.

TECHNICAL TOURS

TUESDAY, JUNE 7

DOWNTOWN WALKING | TOUR D

The downtown walking tour will highlight key transportation projects in the city core including the Bernard Avenue Streetscape, Urban Braille Design, and the Queensway Transit Exchange.

The Bernard Avenue Revitalization was undertaken to provide wider sidewalks, street furniture, and street trees along with other key urban design features to breathe new life into Bernard Avenue and to restore it as the centerpiece of Kelowna's Downtown. Patrick McCormick, Urban Design Planner with the City of Kelowna, will guide delegates on key features, challenges, and opportunities of the Revitalization project.

As part of the Bernard Avenue Revitalization, the City of Kelowna incorporated various design elements of Urban Braille to provide a system of "wayfinding" consisting of sensory information, landmarks and environmental cues, and streetscape design to enhance the efficient and safe travel for persons with special needs. Joyce Mainland will facilitate a vision loss simulation for delegates so they may experience the available information provided by urban braille first hand. Joyce is a Certified Orientation and Mobility Instructor for the Blind and Visually Impaired and a former member of the City of Kelowna's Accessibility Advisory Committee. During the development and construction of the Bernard Street Revitalization, Joyce provided and contributed her expertise and understanding of Urban Braille Design to the City of Kelowna and design partners.

Situated in downtown Kelowna, the Queensway Transit Exchange serves as a key central destination and transit hub in Kelowna. It is the largest of nine transit exchanges in the Kelowna Regional Transit System. Originally built

in 1998, the Exchange has undergone major redesign as part of BC Transit's Kelowna RapidBus Project, to provide greater emphasis on transit, walking, and cycling. The Exchange has a unique wood structure, providing all-weather shelter for riders and covered bike parking. Ron Westlake, the Director of Regional Services for the City of Kelowna, will share the key project elements, merits, and challenges.

Price: Free

Time: 1:00 p.m. - 5:00 p.m.

Spaces Available: 30

WEDNESDAY, JUNE 8



CREDIT: PROV OF BRITISH COLUMBIA

WINERIES | TOUR E

The Okanagan Valley is the premier grape growing region in British Columbia boasting over 80% of the total vineyard acreage in the Province. See amazing Okanagan vistas while sampling a wide variety of local wines.

We have scheduled some time in the program when we encourage you to visit Okanagan Wineries. If the time in the schedule does not work for you, feel free to book a tour before or after the conference. Winery tours are provided by [Distinctly Kelowna Tours](#). Registrants can receive 10% off regular tour rates by indicating they are a CITE Conference attendee when they book a tour.

Go to www.cite7.org/Kelowna2016
for full details on all tours



CREDIT: CITY OF KELOWNA

SPECIAL EVENTS

SUNDAY, JUNE 5

WELCOMING RECEPTION

The traditional Sunday evening Welcoming Reception will provide you with the opportunity to catch up with fellow attendees and friends while you enjoy beverages and appetizers in the relaxed atmosphere of our conference exhibitor area.

WOMEN IN CITE RECEPTION

This gathering is a great opportunity to meet and get to know professional women in the transportation industry. This year's event will be hosted by influential women active at all levels of our ITE community: Paula Flores (ITE International President), Jen Malzer (CITE President), and Karen Reimann (UBC Okanagan CITE Student Chapter President). We encourage you to join us for this exclusive occasion at the conference venue. Please RSVP in advance to Karen Reimann at karen.reimannf@gmail.com.

MONDAY, JUNE 6

STREET HOCKEY CHALLENGE

Once again delegates will meet for a game of street hockey. The location of this year's hockey challenge will be announced soon. Bring your "A" game – equipment will be supplied.

STUDENT MIXER AT BNA BREWING CO.

Following the street hockey challenge, we will be hosting our annual Student Mixer at BNA Brewing Co. & Eatery, a recently opened and popular community pub. This event is the perfect occasion for professionals and students to

get acquainted while enjoying the local craft brews + bar and fantastic dishes. Also, we will be doing some fun networking activities throughout the night, so don't forget to bring business cards! The location is within walking distance from the street hockey venue and the conference venue.



CREDIT: BNA BREWING CO.

TUESDAY, JUNE 7

ANNUAL BANQUET

Join us on Tuesday, June 7 for an evening of live jazz and wine sampling at The Laurel Packinghouse. The structure was built in 1917 and was a working packing house until the 1970s. It was slated for demolition in 1982 until members of the community rallied to save it, making it Kelowna's first designated heritage building. This unique venue is walking distance from the conference and always provides an atmospheric backdrop for a memorable evening.

It would not be a visit to the Okanagan without sampling a few of our world famous wines. Let our local experts provide an introduction to wines and some basics on tasting, all while enjoying live music by an award winning four piece jazz band, Anna Jacyszyn and The Jazz Cafe.

Please note that this is a ticketed event, and your full registration package includes one (1) banquet ticket and two (2) complimentary beverage tickets. Up to two additional tickets (\$95) may be purchased online along with your conference registration. For anyone requiring special meal considerations, please make appropriate note during the online registration process.



CREDIT: TOURISM KELOWNA



Street Hockey Challenge competitors in Regina 2015

The Laurel Packinghouse - venue of the 2016 Annual Banquet

2016 SPONSORS

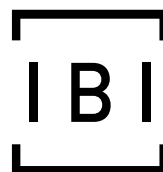
Platinum



Gold



Silver



Bronze





JEN MALZER, P.ENG.
Canadian District President
president@cite7.org

Dear members,

I hope everyone is starting to see signs of spring. Everything from kids' sports registration to spring streets maintenance like gravel cleaning has started – at least in Calgary, which means pot hole filling and line painting is on the way! Nothing quite like transportation in Canada; there is definite renewed interest in our special conditions with all of the recent emphasis on autonomous / connected vehicles, which is the inspiration for this edition's feature article. Urban transportation planning has never been more interesting. As we debate what this future might look like, I can't help but think we need more discussion on how we can position cities to fulfill the goals of our municipal plans. There is a scenario where focusing on people movement in key corridors will balance against the benefits of new technology. At the end of the day, the economic, health, and social benefits of good urban form and infrastructure spending should guide the uptake and usage of future driverless vehicles. I hope this article to be the formal start of our role in this area.

Registration for our annual conference in Kelowna has opened! We are seeing significant interest so have extended our room commitment with the Delta Grand Okanagan. There are few other options in the immediate vicinity of our conference, so I do encourage you to book as soon as you can. This will also help us gauge whether we try to continue to block rooms.

The conference program will offer both a triple track of technical sessions and also tours within Kelowna and the immediate region. The City of Kelowna has made significant investments in their waterfront and downtown, which will really provide a great backdrop to discussing emerging topics like complete streets and urban renewal.

We, of course, have our regular social program planned – replete with sometimes intense street hockey, wine tasting, and student mixing – as well as an inaugural participation by ExCITE, our new initiative for emerging members!



CITE's TAC Appointees

L-R: Andy Harvey (Geometric Design), John McGill (Chief Engineers Council), Pedram Izadpanah (Road Safety Standing Committee)

Missing from the photo: Maureen (Education and HR Development), Tom Baumgartner (TOMSC), Kelly Schmidt (TOMSC), Shannon Noonan (TOMSC), Greg O'Brien (TOMSC)

Earlier this month, I attended the TAC spring meetings as CITE's appointee to the Urban Transportation Council and as a member of the Automated Vehicle / Connected Vehicle Working Group. In addition to these meetings, I had the pleasure of sitting down with our current group of appointees to brainstorm how to best represent CITE and report back to our membership on the meetings. We had a great conversation and have agreed to meet more often to better update on possible research topics, and to better inform the CITE membership.

I just want to end by thanking everyone for a strong interest in volunteering for CITE. It's an exciting time for our District and I, along with our executive and Local Arrangements Committee, look forward to welcoming you to Kelowna in June!

A handwritten signature in blue ink, appearing to read 'Jen Malzer'.

Jen Malzer, P.Eng.
Canadian District President

district director's message



**GENE CHARTIER,
M.A.SC., P.ENG.**
Canadian District Director
director@cite7.org

Have you ever thought about how you became involved in ITE and why you remain a member? Those were two of the important questions posed in the [February 2016 Needs Assessment Survey](#) conducted by ITE. Over 4,000 individuals responded to the survey sent to nearly 17,600 current, past, and prospective members to seek their opinion on the organization and the transportation industry.

The survey revealed that most people:

- Learn about ITE through their schools or professional networks. Like me, nearly half of respondents were introduced to ITE by a colleague, professor, classmate, or through a department at their school, and more than one-third of respondents heard about the organization through an ITE Student Chapter.
- Remain members of ITE for the same reason they joined – to meet and network with other transportation practitioners, to stay informed of the latest developments and news in the profession, and for access to technical resources.

Maybe the most important conclusion drawn from the survey is that ITE remains a strong and trusted brand – and is the organization of choice for many transportation practitioners. Members value their association with ITE, especially when they are engaged and participate in organization activities.

ITE will be using the survey results to better align its products/services and branding/messaging with member needs and interests. You will be hearing more about the survey findings and resulting initiatives over the coming months. Thanks to everyone who participated!

I have recently returned from the mid-year ITE International Board of Direction (IBOD) Meetings in Nashville. The meetings were held in conjunction with the LeadershipITE program session and the ITE Southern District annual conference. The Southern District meeting is steeped in tradition and features several long standing rituals, such as the opening session Section Roll Call, the Sunday evening sponsor hospitality suites, and the Traffic Bowl playdowns and grand final. I can tell you that the event rivals our Canadian District conference, but without the Street Hockey Game.

ITE is in the midst of reshaping itself under the leadership of new Executive Director Jeff Paniati. Despite the ongoing financial challenges reported in my previous column, the organization has ambitious plans to keep ITE at the forefront of the transportation industry.

“ ITE is in the midst of reshaping itself... the organization has ambitious plans to keep ITE at the forefront of the transportation industry. ”

A few ways ITE intends to enhance member value, improve operations, and make the organization relevant to more people include:

- Improving outreach to Districts and Sections, including partnering for joint conferences and meetings;
- Simplifying the membership and dues structures. Currently, there are more than 160 different membership categories, making administration and communication challenging;
- Issuing technical publications in a timelier manner, in different formats;
- Collaborating with other organizations for meetings and publications, such as NACTO on the production of the Transit Street Design Guide and forthcoming Application Supplement, scheduled for release at the ITE International Annual Meeting and Exhibit (more on that event to follow);
- Pursuing more International Sections and Chapters to grow ITE's global role and expand membership outside North America;
- Enhancing the online Career Center to make more resources available to student and young members. An internship portion will be added to highlight opportunities;
- Refining the ITE website and news services, including upgrades to the Learning Hub, e-commerce module, ITE Community, and ITE Spotlight;
- Updating ITE's leading publication, Trip Generation, and revisiting some of the underlying principles of the guidebook as they relate to urban and multi-modal conditions;
- Offering more relevant and timely webinars, focusing more on quality than quantity;
- Introducing a joint ITE and TCN (The Capital Network) Thought Leadership Podcast Series that will debut in May;
- Establishing a Vision Zero Task Force to explore opportunities to enhance transportation safety; and
- Initiating a Strategic Initiatives Committee, under the leadership of Dale Bracewell from the City of Vancouver. The Committee is helping ITE be the leading organization within the transportation industry by providing "big picture" direction to the IBOD in the form of key annual strategic priorities.

district director's message

Planning for the [ITE 2016 Annual Meeting and Exhibit](#), scheduled for [August 14 to 16, 2017](#) in [Anaheim, CA](#) is in high gear. Highlights of the event include:

- A Sunday Transportation Camp. This unstructured event allows participants to create the session content – an innovative, high-energy start to the meeting;
- A “First-Timer’s Reception” on Sunday afternoon;
- The Sunday evening “California Dreamin” Welcome Reception in the exhibit hall;
- Family-friendly events like the Traffic Bowl and a child’s ticket price for the Tuesday Game Night;
- An International version of the Western Districts’ MiteY Race;
- An Opening Plenary that will feature leaders from new mobility companies (e.g., Uber and Hyperloop) that are transforming the way transportation is delivered; and
- A Closing Plenary that will feature senior appointed officials from different levels of government offering their thoughts on the intersection of transportation policy and technology as well as the role of government in a rapidly changing environment where the private sector is bringing forward new services that challenge traditional norms.

If you have never been to an ITE International conference or have never visited Anaheim, this is your chance! The meeting will showcase the latest developments in transportation and offer unparalleled opportunities to network with and learn from your peers.

In closing, I leave you with this challenge. The Needs Assessment Survey showed that past and prospective members are aware of the potential opportunities and services available through membership in ITE, but need to better understand how and why they can benefit from being a member. As an ITE member, you can help do that! Share stories with people you think should become members that demonstrate the value of what ITE offers, the technical resources available, and the many opportunities for networking and job searches. Invite them to attend Section and District events to observe the power of ITE membership first-hand. Let’s do everything we can to make ITE and CITE the best organizations around!

If there is anything you want to share about ITE, feel free to drop me an email at director@cite7.org. See you in Anaheim!



Gene Chartier, M.A.Sc., P.Eng.
Canadian District Director

Candidate for ITE International Vice President



Michael Sanderson P.E., PTOE, LEED AP, FITE

President/CEO, Sanderson Stewart, Billings, MT USA
msanderson@sandersonstewart.com
[@mpsanderson1](#) | [LinkedIn](#)

The world of transportation is transforming before our eyes. Big advances in technology, generational demographic shifts, and globalization are among the many forces that will transform our profession. This type of change can either be a threat, or it can present great opportunities. To seize the opportunities, ITE must take a leadership role to ensure that our members have the right information, the right connections, and the right opportunities to succeed.

- **Develop a strong ITE brand.** ITE needs to clearly define its space among transportation organizations and then provide decisive leadership where it can be most effective.
- **Leverage technology and social media.** ITE must modernize its approach to service delivery and communication by better utilizing technology, fully embracing online and cloud-based platforms, social media, and mobile technology.
- **Embrace & encourage diversity.** In our changing profession, ITE must position itself as the organization of choice for professionals of all diverse origins and backgrounds.
- **Define ITE's global role.** A global economy more strongly dominated by Asia and other emerging economies is impacting the transportation industry, even for those that never work outside North America. ITE needs to identify how it can best engage and support transportation professionals globally.
- **Leadership.** In our own organizations, in our profession, and in society, ITE members need to be the technical experts and the advocates leading the conversations and delivering the solutions to the transportation challenges of the 21st century.

ITE is the organization that I have devoted my career to serving for the last 20 years. I have served ITE as an elected leader at the chapter, section, district, and international levels, and I have served on many committees, task forces, and technical councils. I love ITE for what it has done for me professionally and for the many personal relationships I value so much. ITE is at a crossroads and change is needed for ITE to be successful into the future. With your help and collaboration, I look forward to applying my knowledge of ITE, along with my education and experience as a business leader, to effectively lead our Institute through this transformative time.



Dear CITE Members,

I am pleased to share CITE's 2015 Financial Statement. The attached has been reviewed by Tim Hayes, Certified Accountant, and approved by your Board of Directors. These steps are consistent with the recommendations put forward by the Financial Review Committee (<https://www.cite7.org/wpdm-package/cite-financial-review-committee-report-2011/>).

Overall, the 2015 Financial Statement is quite positive due to the success of our conference and continued growth in our employment advertisements.

Consistent with the direction of the Financial Management Plan, the financial reserves have been supplemented to a level that is equivalent to 40% of the annual operating expenses within a guaranteed investment. The John Vardon and Van Aerde scholarship are financially sound and, due to their self sustainability, have been increased to provide greater financial assistance to our student membership in 2016.

The GST/HST return and the NPO submission have been completed and filed with Revenue Canada for the 2015 year end and all outstanding issues have been rectified with historical financial and Revenue Canada documentation requirements.

It has been a pleasure serving as the Treasurer for the organization over the last two years. Our conferences have achieved financial success due to the hard work by the Local Arrangement Committees in Waterloo and Regina. The organization has enhanced its various revenue generating initiatives while at the same time advancing its financial stewardship and practices. All of which have contributed to a financially sound organization.

If you have any questions regarding the 2015 Financial Statements, please contact the undersigned.

Regards,

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

CITE 2015 financial statement

INCOME STATEMENT

	2013 ACTUAL	2014 ACTUAL	2015 BUDGET	2015 ACTUAL
INCOME				
Annual Conference	200,900.00	215,395.60	135,000.00	151,809.30
Currency Exchange	1,620.67	4,441.12	-	12,384.12
Education/Training	-	22,152.21	15,000.00	-
Interest Income	4,559.91	2,635.16	5,000.00	6,520.86
John Vardon Scholarship	2,670.00	1,777.00	2,000.00	1,940.00
Membership Dues	81,743.21	61,256.80	83,000.00	50,882.62
Transportation Talk Advertising	7,706.50	9,250.00	9,250.00	7,500.00
Website Advertisements	71,325.00	83,700.00	66,000.00	68,150.00
Award/Scholarship Donations	-	16,000.00	4,500.00	4,500.00
TOTAL INCOME	\$374,037.29	\$416,607.89	\$319,750.00	\$303,686.90
EXPENSES				
Administrator	-	-	-	9,512.47
Awards - Awards/Scholarships	5,419.98	4,860.12	6,000.00	5,064.15
Awards - Travel	1,814.33	4,612.41	5,000.00	5,999.04
Bad Debt	26,513.42	-	-	9.00
Bank Charges	2,812.33	3,692.16	4,000.00	3,484.86
Bookkeeping	2,460.00	2,035.00	2,500.00	2,018.50
CITE Appointee Travel	6,663.54	4,576.36	7,000.00	4,033.34
CITE Elections	-	-	-	639.78
Communications	17,977.00	11,776.80	18,000.00	6,319.50
Conference Expenses	163,822.29	162,668.84	135,000.00	118,890.43
Director Expenses	9,808.07	8,468.42	15,000.00	12,421.34
Executive Expenses	36,463.51	17,469.93	24,000.00	18,036.84
Insurance	5,016.60	5,151.00	5,250.00	5,157.24
Membership Support Programs	6,395.72	5,092.86	7,500.00	3,471.37
Miscellaneous	212.34	455.87	250.00	7.34
Postage, Mailing Service	727.68	579.46	500.00	517.13
Printing and Copying	-	-	250.00	99.98
Section/Chapter Rebates	3,750.00	3,750.00	7,000.00	3,750.00
Student Presentation Comp.	1,900.00	2,000.00	4,000.00	3,200.00
Telephone, Telecommunications	10,116.89	859.53	6,000.00	1,360.28
TLC - Administration	6,075.97	5,100.88	7,000.00	5,616.98
TLC - Tech Project Dev.	2,047.62	15,057.65	5,000.00	1,274.45
TLC Project - TAC Sponsorship	5,000.00	10,000.00	10,000.00	-
TLC Project - Traffic Calming	15,000.00	-	5,000.00	17,500.00
TLC Active Transportation CLASP	5,464.75	732.04	10,000.00	6,000.00
Traffic Bowl	8,249.36	5,309.74	6,000.00	6,275.50
Transportation Talk	13,038.96	13,561.16	13,500.00	6,651.00
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	12,686.15
Revenue Canada Penalties and Interest	-	-	-	1,763.94
TOTAL EXPENSES	\$371,551.09	\$301,539.35	\$319,750.00	\$265,760.61
NET INCOME (LOSS)	\$2,486.20	\$115,068.54	-	\$37,926.29

CITE 2015 financial statement

BALANCE SHEET

	December 31 2013 ACTUAL	December 31 2014 ACTUAL	December 31 2015 ACTUAL
ASSETS			
CURRENT ASSETS			
Chequing/Savings/Cash			
Scotiabank Chequing	35,045.32	69,505.42	70,392.89
Scotiabank Conference	58,281.61	49,285.61	79,853.20
Cash	480.25	-	-
Total Chequing/Savings/Cash	93,807.18	118,791.03	150,246.09
Total Accounts Receivable	14,485.44	480.25	2,000.00
TOTAL CURRENT ASSETS	\$108,292.62	\$119,271.28	\$152,246.09
INVESTMENTS			
John Vardon Scholarship	54,775.09	56,137.26	56,941.53
Scotia GIC	26,113.37	91,947.80	103,084.17
Michel Van Aerde Scholarship	58,806.87	59,865.09	62,460.07
Cash Holdings	-	30,023.37	20,008.61
TOTAL INVESTMENTS	\$139,695.33	\$237,973.52	\$242,494.38
TOTAL ASSETS	\$247,987.95	\$357,244.80	\$394,740.47
LIABILITIES			
CURRENT LIABILITIES			
Accounts Payable	5,877.95	1,357.49	-
Total Accounts Payable	5,877.95	1,357.49	-
OTHER CURRENT LIABILITIES			
GST/HST Payable	1,506.45	-	926.87
Total Other Current Liabilities	1,506.45	-	926.87
TOTAL LIABILITIES	\$7,384.40	\$1,357.49	\$926.87
EQUITY			
Capital Gain (loss)	-	215.22	-
Retained Earnings	238,117.35	240,603.55	355,887.31
Net Income	2,486.20	115,068.54	37,926.29
TOTAL EQUITY	\$240,603.55	\$355,887.31	\$393,813.60
TOTAL LIABILITIES & EQUITY	\$247,987.95	\$357,244.80	\$394,740.47
GST REBATE/OWED	-\$1,506.45	-	-\$926.87

CITE 2017 budget

	2015 ACTUAL	2016 BUDGET	2017 BUDGET
INCOME			
Advertisements	75,650.00	83,000.00	83,000.00
Annual Conference	151,809.30	148,000.00	-
Currency Exchange	12,384.12	5,000.00	5,000.00
Education/Training	-	15,000.00	-
Interest Income	6,520.86	3,000.00	6,000.00
John Vardon Scholarship	1,940.00	2,000.00	2,000.00
Membership Dues	50,882.62	70,000.00	75,000.00
Award/Scholarship Donations	4,500.00	2,500.00	5,500.00
Transfer from Reserves	-	-	26,050.00
TOTAL INCOME	\$303,686.90	\$328,500.00	\$202,550.00
EXPENSES			
Administrator	9,512.47	18,000.00	20,000.00
Awards - Awards/Scholarships	5,064.15	4,000.00	4,500.00
Awards - Travel	5,999.04	5,000.00	7,000.00
Bad Debt	9.00	-	-
Bank Charges	3,484.86	4,000.00	4,000.00
Bookkeeping	2,018.50	2,500.00	2,500.00
CITE Appointee Travel	4,033.34	7,000.00	7,000.00
CITE Elections	639.78	-	700.00
Communications and Marketing	6,319.50	10,000.00	10,000.00
Conference Expenses	118,890.43	135,000.00	-
Director Expenses	12,421.34	14,000.00	12,000.00
Executive Expenses	18,036.84	24,000.00	22,000.00
Insurance	5,157.24	5,400.00	5,500.00
Membership Support Programs	3,471.37	7,500.00	3,500.00
Miscellaneous	7.34	500.00	250.00
Postage, Mailing Service	517.13	600.00	600.00
Section/Chapter Rebates	3,750.00	7,000.00	4,000.00
Student Presentation Comp.	3,200.00	4,000.00	3,500.00
Telephone, Telecommunications	1,360.28	1,000.00	2,000.00
TLC - Administration	5,616.98	9,000.00	9,000.00
TLC - Tech Project Dev.	1,274.45	10,000.00	10,000.00
TLC Project - TAC Sponsorship	-	10,000.00	5,000.00
TLC Project - Traffic Calming	17,500.00	5,000.00	-
TLC Active Transportation CLASP	6,000.00	10,000.00	-
TLC - Turn Lane Warrants	-	-	20,000.00
TLC - Trip Generation	-	-	5,000.00
TLC - Accessibility Guidelines	-	-	1,000.00
Traffic Bowl	6,275.50	6,000.00	8,500.00
Transportation Talk	6,651.00	10,000.00	10,000.00
Vardon/Van Aerde Scholarship	4,000.00	4,000.00	6,000.00
International Initiatives	-	-	4,000.00
Website	12,686.15	15,000.00	15,000.00
Revenue Canada Penalties and Interest	1,763.94	-	-
TOTAL EXPENSES	\$265,760.61	\$328,500.00	\$202,550.00
NET INCOME (LOSS)	\$37,926.29	-	-



Ford is conducting the industry's first autonomous vehicle tests in snow-covered environments.

Autonomous Vehicles

The Transportation System of the Future?

BY EDWARD SOLDÓ, P.ENG. (FITE)

DIRECTOR OF ROADS AND TRANSPORTATION, CITY OF LONDON

Over the last few years, there has been a significant advancement in automated vehicle technology. In the future, autonomous vehicles (AVs) will be the prevailing mode of transportation. It is no longer a question of *if*, rather a question of *when*; similar to the 1990s when everyone was debating how a new concept called “the Internet” would impact society.

While there has been lot of discussion on the potential benefits of driverless vehicles, it is not well understood what that really means to the transportation profession. Now is the time for transportation professionals to evaluate, assess, and plan for the onset of vehicle automation.

AVs have the potential to be a highly disruptive technology that will impact transportation, transit, and logistics. The technology will also be a leap forward for society and lead to changes in how we live and work by transforming our cities and our transportation systems.

The advent of AVs may significantly impact travel demands and transportation planning. Therefore, it is vital that transportation professionals, telecommunication providers, vehicle companies, and software technology companies work together to assess the impacts, develop short and long term implementation policies, and prepare investment strategies to facilitate and mitigate the impacts of this technology.

SO WHAT ARE AUTONOMOUS VEHICLES?

AVs are driverless or self-driving vehicles that are capable of detecting the surrounding environment using artificial intelligence, sensors, and global positioning system coordinates.

The Society of Automotive Engineers (SAE) has established a new standard (J3016) that provides a classification system for vehicle automated driving systems. The six levels of

SAE level	Name	Narrative Definition	Execution of Steering and Acceleration/Deceleration	Monitoring of Driving Environment	Fallback Performance of Dynamic Driving Task	System Capability (Driving Modes)
Human driver monitors the driving environment						
0	No Automation	the full-time performance by the <i>human driver</i> of all aspects of the <i>dynamic driving task</i> , even when enhanced by warning or intervention systems	Human driver	Human driver	Human driver	n/a
1	Driver Assistance	the <i>driving mode</i> -specific execution by a driver assistance system of either steering or acceleration/deceleration using information about the driving environment and with the expectation that the <i>human driver</i> perform all remaining aspects of the <i>dynamic driving task</i>	Human driver and system	Human driver	Human driver	Some driving modes
2	Partial Automation	the <i>driving mode</i> -specific execution by one or more driver assistance systems of both steering and acceleration/deceleration using information about the driving environment and with the expectation that the <i>human driver</i> perform all remaining aspects of the <i>dynamic driving task</i>	System	Human driver	Human driver	Some driving modes
Automated driving system ("system") monitors the driving environment						
3	Conditional Automation	the <i>driving mode</i> -specific performance by an <i>automated driving system</i> of all aspects of the dynamic driving task with the expectation that the <i>human driver</i> will respond appropriately to a <i>request to intervene</i>	System	System	Human driver	Some driving modes
4	High Automation	the <i>driving mode</i> -specific performance by an automated driving system of all aspects of the <i>dynamic driving task</i> , even if a <i>human driver</i> does not respond appropriately to a <i>request to intervene</i>	System	System	System	Some driving modes
5	Full Automation	the full-time performance by an <i>automated driving system</i> of all aspects of the <i>dynamic driving task</i> under all roadway and environmental conditions that can be managed by a <i>human driver</i>	System	System	System	All driving modes

CREDIT: © 2014 SAE INTERNATIONAL

driving automation span from no automation (level 0) to full automation (level 5).

A key distinction is between level 2, where the human driver performs part of the dynamic driving task, and level 3, where the automated driving system performs the entire dynamic driving task. That distinction is important as it leads to the potential for two different AV operating models.

The first is a continuation of the existing model of private vehicle ownership with added autonomous functionality and the second is a mobility-as-a-shared-service model, both of which provide different new opportunities and challenges for the transportation profession.

Not convinced about the technology yet? Check out this video of a Google self-driving car at <https://www.google.com/selfdrivingcar/>.

BENEFITS OF AUTONOMOUS VEHICLES

There is much research being undertaken on the projected benefits of driverless vehicles. Transportation related benefits include:

Mobility

- AVs provide increased roadway capacity through the management of congestion and travel times as anonymous real time information from autonomous vehicles will increase the performance of traffic signals systems and transit operations while providing travel time dependability.
- They also offer greater mobility and improved access for non drivers such as children/youth, seniors, persons with disabilities and lower income groups without access to a vehicle.
- AVs may redefine the concept of vehicle ownership and increase opportunities for vehicle sharing.



- Transit systems could be transformed through the integration of autonomous vehicles to provide service outside of high capacity corridors.

Improved Safety

- The increased awareness and ability to identify hazards through the use of sensor technology has the potential to reduce many common accidents.
- AVs will automatically know what the speed limit is, when they are in a school zone, when a curve in the road is coming up, where stops signs are located and what the level of congestion is.
- High risk driving, such as speeding, red light running and impaired driving will be mitigated.
- The safety of other travel modes, such as cycling and pedestrians, will be enhanced through the use of sensor technology.



Environmental Impact

- The increase in fuel efficiency through more efficient driving will help reduce pollution and GHG emissions.
- Infrastructure improvements, such as narrower lanes and the reduction in parking requirements, will lead to a lower environmental footprint.



AVs will also provide a number of quantifiable social and economic benefits that range from fewer deaths, reduction

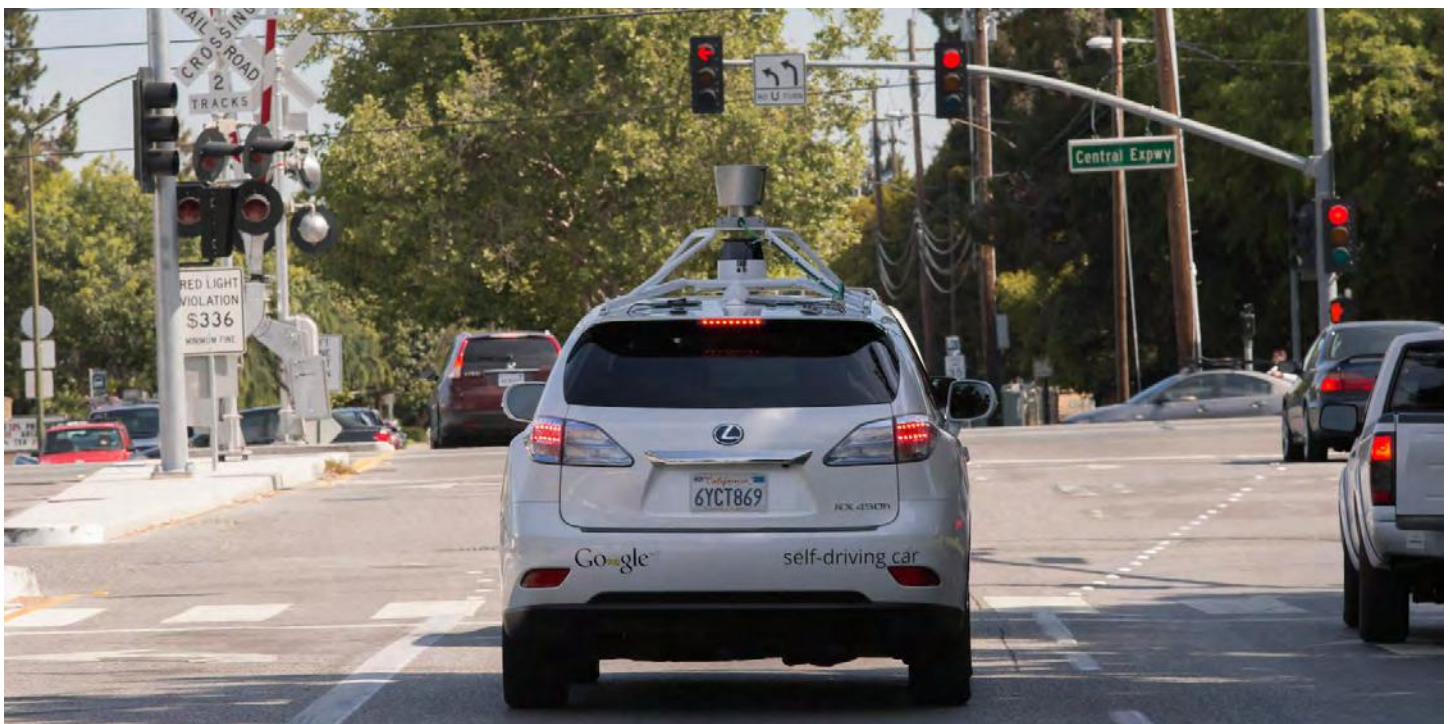
in driver stress, vehicle ownership savings, insurance savings, and productivity gains in many business sectors.

NEGATIVE CONSEQUENCES OF AUTONOMOUS VEHICLES

The implementation of autonomous vehicles will largely be driven by economics. The arrival of transportation companies such as Uber and Lyft has transformed the mobility landscape across the globe. The introduction of autonomous vehicles that are integrated with mobile apps, operated either publicly or privately, will encourage more intermodal trips and expand mobility by providing lower cost travel options.

While the technology has the ability to help governments reduce rising infrastructure costs, there are a number of revenue stream consequences that need to be assessed and planned for. The increase in safety will reduce revenue from traffic infractions as vehicles adhere better to traffic regulations. Reduced parking needs may result in less parking revenue generation.

AVs have the potential to dramatically change the environment for public transit services. Integration with other transportation mobility providers that provide lower capacity transit modes in lower ridership areas can reduce operating costs. AVs may provide an alternative point-to-point service to paratransit service providers for people with limited personal mobility.



A Google self-driving car approaches an intersection with railroad crossing.

CREDIT: GOOGLE



In 2015, the Daimler Trucks Freightliner Inspiration became the first licensed autonomous driving truck in the United States.

IMPACT ON THE TRANSPORTATION PLANNING AND ENGINEERING PROFESSION

What does the advent of a more integrated transportation mobility environment mean to our profession? Base engineering assumptions such as lane widths, cross sections, and merge lane lengths may need to be reconsidered. Will AVs change how we design our streets, as the need for dedicated AVs lanes, reduced demand, and parking may lead to a more complete streets and road diet transformations? Will new fibre networks and enhanced IT infrastructure become the norm on all road construction projects?

What about parking and trip generation rates that traffic engineers rely on? Might as well throw them away as open source data, realistic traffic simulation, perception, sensor fusion, and trajectory hypotheses will become the new language of transportation profession.

All of these questions will need to be assessed in the short term in order to prepare for the introduction of AVs in Canada. Transport Canada is working with CITE to develop an informational report that would provide provincial/territorial and municipal road authorities, academic centres,

and traffic and transportation engineers with comprehensive information that would help them plan pilot tests of AVs.

AUTONOMOUS VEHICLE ENVIRONMENT

In Canada, beginning on January 1, 2016, Ontario became the first province to pilot a test program for automated vehicles and related technology on-road. The goal is to enable companies to conduct research and development in Ontario rather than in competing jurisdictions and to support opportunities to bring automated vehicles to market. Read more about this project at <http://www.mto.gov.on.ca/english/vehicles/automated-vehicles.shtml>.

In summary, the time to understand AVs and how they may change the transportation profession and society is now. Instead of waiting to figure out how AVs will impact us, we should be thinking about how we can use them to develop our cities and harness their power to promote sustainable mobility changes. Hopefully this article and the following resource and technical source links will provide some food for thought to CITE members.

RESOURCES & CONFERENCES

Automated Vehicles Symposium

Presented by AUVSI and TRB - July 2016, San Francisco
<http://www.auvsi.org/avs2015/home>

Driving Changes: Automated Vehicles in Toronto

David Ticoll, University of Toronto - prepared for the City of Toronto
[http://www1.toronto.ca/City%20of%20Toronto/Transportation%20Services/TS%20Publications/Reports/Driving%20Changes%20\(Ticoll%202015\).pdf](http://www1.toronto.ca/City%20of%20Toronto/Transportation%20Services/TS%20Publications/Reports/Driving%20Changes%20(Ticoll%202015).pdf)

Robot, Take the Wheel: Public Policy for Automated Vehicles

Noah Zon & Sara Ditta - Mowat Centre, University of Toronto
https://mowatcentre.ca/wp-content/uploads/publications/118_robot_take_the_wheel.pdf

Preparing for Autonomous Vehicles in Canada

Canadian Automated Vehicles Centre of Excellence - Prepared for the Government of Canada
http://www.cavcoe.com/Downloads/CAVCOE_AV_White_Paper.pdf

Automated Vehicles: The Coming of the Next Disruptive Technology

Vijay Gill, Brian Flemming, Paul Godsmark, Barrie Kirk
<http://www.conferenceboard.ca/e-library/abstract.aspx?did=6744>

Autonomous Vehicle Implementation Predictions: Implications for Transport Planning

Todd Litman, Victoria Transport Policy Institute
<http://www.vtpi.org/avip.pdf>

Local government 2035: Strategic trends and implications of new technologies

Kevin C. Desouza, David Swindell, Kendra L. Smith, Alison Sutherland, Kena Fedorschak, and Carolina Coronel, Brookings Institution
<http://www.brookings.edu/~media/research/files/papers/2015/05/29-local-government-strategic-trends-desouza/desouza.pdf>

Preparing a Nation for Autonomous Vehicles: Opportunities, Barriers and Policy Recommendations

Eno Center for Transportation
<https://www.enotrans.org/wp-content/uploads/2015/09/AV-paper.pdf>

GARRETT DONAHER



Current employment

Transportation Engineer, City of St. John's, NL

Education

Carleton University and University of Waterloo

First job in transportation engineering

Dillon Consulting as a co-op student

Personal hobbies

I get outdoors when I can and always enjoy a bit of putting on home improvement projects. Frisbee is the engagement that keeps me reliably active these days.

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

- 2014 CITE Annual Conference LAC
- TLC Project Manager
- ExCITE Co-chair

When did you first attend a CITE event? Do you remember what it was?

It would probably be a National Capital Section luncheon many years ago but I can't recall any specifics.

Please describe what attracted you to transportation engineering?

I mentioned my first job in the field was a co-op position. I didn't really know what I was getting into but, as clichéd as it may be, the problem solving aspect was what hooked me. It could be sorting through piles of data; trying to decipher the underlying principles of a standard to understand how it may be adapted to a new situation; balancing different interests; or, finding a more efficient or effective way of delivering a project. Whatever it is, the challenge and mental engagement of working through a good problem is always the culprit when I look up from my desk and realize that I should have left for home long ago. The many facets of transportation are buried deep in the fabric of our individual lives and our society as a whole. To even begin to wrap my head around some of the implications and never ending challenges this presents is always fascinating. (Well, okay, almost always.)

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

It won't come as any surprise to those that know me, but I did earn a couple designations in IT and toyed with the idea of going into banking.

What grinds your gears?

I have been known to rant from time to time about the application of rules of thumb, standards, or guidelines without regard to where they came from, the purpose they serve, or what impact they will have on the project. I'm not saying that these sources aren't valuable; far from it, I use them every day. But, there are circumstances that might require a bending of a rule or disregard for an outdated standard. If I could wave a wand and have debates between transportation engineers be based on the fundamentals of the problem at hand and the implications of the engineering decision – instead of the what is written in a particular manual – I would do it in a second.

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

Currently working my way through Isaac Asimov's Foundation Series.

News from the ITE Complete Streets Council

BY STEPHANIE MCNEELY, P.ENG. M.A.SC.

As part of the revamped ITE council structure, a new Complete Streets Council (CSC) has been created. This Council serves as an important puzzle piece within ITE and operates as one of the six technical councils. The Transit and Pedestrian & Bicycle standing committees connect into the Complete Streets Council.

I'm excited about the Complete Streets Council's mandate (see side bar) and the energy and enthusiasm emanating from its members. This prompted me to volunteer as a liaison between the Complete Streets Council and the Canadian District of ITE (CITE). I will provide ongoing updates in Transportation Talk and, for this first installment, simply encourage you to join the Council as a member.

WHY JOIN?

As Canadian transportation practitioners, we have a lot to learn on the topic of Complete Streets and also a lot to share – whether through new policies, projects or lessons learned. The list of municipalities across Canada that have adopted Complete Streets policies, developed guidelines and/or implemented projects continues to grow. Any of these topics could be offered to the CSC as a webinar idea to share or as a relevant resource to post online.

HOW TO JOIN?

It's easy. All you need to do is to sign in with your ITE credentials through the [ITE Community portal](#). You can decide how often you would like to receive email updates, if at all.

WHAT IS IT ABOUT?

It's about complete, multi-modal transportation systems and sharing valuable information and establishing professional relationships with others in the transportation community. Are you curious about how other practitioners are handling a particularly thorny issue? Pose a question on the discussion page and see what suggestions others provide. Do you have advice to offer based on a recent Complete Streets project? Respond to another member's post to impart your tips.

WHAT IS NEXT?

I would like to highlight a few innovative initiatives within the Canadian context in the next edition of Transportation Talk. Let me know if you have any interesting project stories to share at smcneely@urbansystems.ca.



Chair: Meghan F. Mitman, Fehr & Peers, San Francisco, CA, USA

Vice Chair: Dale Bracewell, Active Transportation, City of Vancouver, BC, Canada

The ITE Complete Streets Council (CSC) represents and promotes the needs of pedestrians, bicyclists, transit users, freight, autos, and other forms of travel in the planning, design, construction, operation and maintenance of complete, multi-modal transportation systems. The Council works to position ITE as the go-to resource on multi-modal transportation for its members and as an active partner with other organizations and agencies in this field. As a cross-cutting technical council, the CSC coordinates and showcases ongoing initiatives and evaluates internal and external technical, policy, and institutional opportunities for ITE to become a leader in complete streets.

GREATER VANCOUVER

The Greater Vancouver Section of ITE has had an active spring of 2016 with three events happening to start the year.

The first event of the year was the annual Student Industry Night, held on February 11th by the University of British Columbia's ITE Student Chapter. The event took place at the Engineering Student Centre and was well-attended by both students and industry professionals. The event provided a great opportunity for students to network with professionals and for companies to promote transportation engineering and showcase their areas of expertise.

The second event of the year was a breakfast meeting held on March 30th. Clark Lim, Principal of Acure Consulting, provided a very interesting presentation on the Internet of Transportation Things. The presentation outlined the technological advances of the

transportation industry and where we might be heading.

On April 4th, the Greater Vancouver ITE and CSCE Vancouver co-hosted a presentation on the Massey Tunnel Replacement Project. Daniel Belisle and Joost Meyboom gave an update on the project scope and results of preliminary studies for the project. Both Daniel and Joost are currently working on the project as owner's engineers.



*Right: Breakfast Meeting with Clark Lim
Far Right: Presentation on the Massey Tunnel
Replacement Project
Below: Student Industry Night at UBC*





MANITOBA

The Manitoba section got right down to business in January 2016 with a presentation by Bob Kurylko, P.Eng., a Senior Transportation Engineer at Stantec. Bob presented on the use of GIS to aid in the decision process for the development of a high speed corridor near Brandon Manitoba. The presentation highlighted how GIS was used to document and aid the decision process in a unique manner.

Our February meeting had Judy Redmond from the City of Winnipeg present on the City's new responsibilities under the Provincial Accessibility for Manitobans Act. Judy also

was able to provide our members with an update to the City's Universal Design guide, including real world examples of good and bad practices for building an inclusive environment (see below).

Tanya Worms, P.Eng, a senior transportation engineer with AECOM gave an inside look to the development of the Plessis Underpass project in east Winnipeg. This project faced intense public and political scrutiny over the past few years as it is an important link in the City's road network. Tanya provided insight into the project constraints, safety considerations, and the importance of coordination between all parties involved in large-scale transportation projects. The underpass is now open to vehicles, while construction will continue through 2016.

Future luncheon dates and information are posted on the ITE Manitoba website, so please check out what's coming up at <https://itemanitoba.wordpress.com/>.



*Left: Tanya presents on the underpinnings of the Underpass.
Below: Spot the detectable tiles!*



student chapter news

UNIVERSITY OF BRITISH COLUMBIA

City of Vancouver Traffic Management Centre

On January 29, 2016, fifteen members of the ITE Student Chapter from the University of British Columbia had the opportunity to visit the City of Vancouver's Engineering Department. Senior Transportation Engineer for Traffic and Data Management, Winston Chow, presented on some of the projects that he and the City have been working on and gave students a tour of the traffic management centre (TMC). The TMC was mainly used when problems arose at certain intersections, or when traffic data was required for a project. One of the key take aways from this tour was that while it is impossible to satisfy everyone's transportation demands, it is important to provide a solution where the majority of residents and road users benefit. A big thank you to Winston for answering our questions and for taking the time to host us!

Portland Tour

In collaboration with the UBC Civil Club, the UBC ITE Student Chapter organized a tour to Portland, Oregon, during which members of the Chapter visited various transit infrastructures in Portland, including their Light Rail and Streetcar Systems. Part of the group also took part in a bike tour around Downtown Portland to explore the city's bridges, cycling infrastructures and astonishing scenery. Led by Dr. Bigazzi who recently joined UBC and specialized in transportation engineering, members of the Chapter mingled with like-minded students at the Portland State University, and visited some key infrastructures on the new Portland Orange Line Light Rail. They also went to the Portland Bureau of Transportation (PBOT) where they were presented with the latest development in the Portland Transportation System and the use of new technology in the system. A big thank you to Dr. Bigazzi, the UBC Civil Club, the STEP association at Portland State University and the Portland Bureau of Transportation for making this tour possible.'



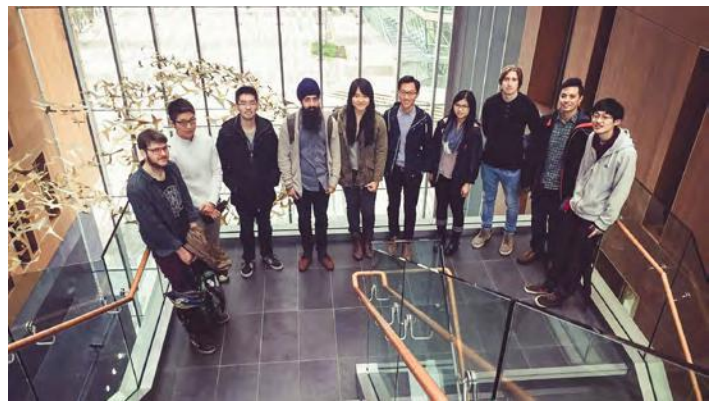
Portland bicycle tour

Industry Night

Also in February, the student chapter hosted the Annual Industry Night. We had just over a hundred students in attendance, in addition to industry representatives from over twenty different organizations. It was a great evening of networking, food and showing thanks to our fantastic sponsors! Our gold sponsors this year are: Bunt and Associates, Creative Transportation Solutions, ISL Engineering, McElhanney and Watt Consulting Group. Our silver sponsor is Dillon Consulting Group, and our bronze sponsors are Binnie, Greater Vancouver ITE Section, SNC Lavalin, and Vancouver Airport Authority. Thank you all for coming out to attend our industry night, and special thanks to our sponsors for making these events possible.

Surrey Traffic Centre

Students had the opportunity to visit the City of Surrey's Traffic Management Centre, where city engineers demonstrated day-to-day operations, tasks, and the system in use in Surrey. Innovations such as infrared sensors, on-the-go signal adjustments, and more were exhibited. Part of the tour also included other areas of the new City Hall, including places such as the mayor's office. A big thank you to the City of Surrey for the fantastic tour!



Visiting the Surrey Traffic Centre

UNIVERSITY OF ALBERTA

We elected a new executive team in October 2015 for the new school year. With a team composed mainly of graduate students, we wanted to organize events and really get more undergraduate students involved and interested about transportation. We took the fall term to decide on what we wanted to do and made plans for the Winter 2016 term. These plans included monthly seminars, a Student-Industry Mixer, field trips, and a mentorship program.

Kickoff Event

We ended the 2015 year with a December ITE Kickoff event, aimed at teambuilding for the transportation graduate students. There was trivia, a Lego replication game, and tower building! Everyone had a great time and came out of the event knowing the other graduate students better.

ITEUA Transportation Seminar Series

Thus, this term, we organized three guest speakers. The first one we invited Brad Smid from the City of Edmonton, who talked about the technical process involved in the design and operational processes of Edmonton's upcoming Valley Line development. We had a great turnout with a great Q&A session and high engagement from the third and fourth year undergraduate and graduate students.

Our second speaker was Randy Reinhardt, the engineering librarian from within the University. This was more of a learning workshop, where we learned about all the resources the library can offer, as well as how to use RefWorks.

Lastly, we invited Kieran Ryan, one of the co-founders of Pogo Carshare, and he gave us a very interesting and upcoming presentation on Carsharing and the New Transportation Economy. We learned more about how carsharing works, and the key components in order to make carsharing a successful alternative mode of transportation.

Our chapter executives also went to NACITE luncheons and got to listen to three great speakers: Sarah Feldman from the City of



Tower Building Challenge; Transportation Graduate Students at Kickoff Party

Edmonton on Edmonton's Transit Strategy, Chris Delanoy from ISL Engineering on Interchange Innovations, and Tim Barton on the challenges of TOD development and traffic.

Student-Industry Mixer

Our big event of the term was our Mixer that we planned together with the Northern Alberta Chapter. We had over 30 industry members from 10 company & organization attendees, and over 80 students attending! The Northern Alberta chapter provided and helped gather the industry members, and we invited students and hosted the event at the University. The mixer started off with some presentations from industry members on their experiences in the transportation industry, and ended off with time for students and industry to chat and learn more. The event was a great success; we couldn't have done it without NACITE and the sponsorship and support from industry. We hope to continue to host this event annually and keep getting more students interested, as well as industry to see more innovated students at the University of Alberta.

Upcoming Events

Mentorship Program – We were really interested in setting up a mentorship program specifically for students interested in the transportation field and connecting them with mentees already in the industry. We used the Mixer to introduce the program and will begin a pilot program running for six months. We plan on facilitating a meetup at the beginning of the term and one six months later, and the program allows for flexibility between paired mentors and mentees to set up their own meeting times.

Traffic Bowl at Kelowna CITE Annual Conference – We are currently in the process of selecting our traffic bowl team. We will host a mock competition for all interested students at the University, and from there the winning team will advance to represent us at the annual conference.



Brad Smid from the City of Edmonton talking about Edmonton's LRT Design



Presentations during the ITEUA Mixer



ITEUA Executive Team (top row) and volunteers (bottom row)

student chapter news

UNIVERSITY OF MANITOBA

Winter term has been amazing for our Student Chapter. We've been fortunate enough to go on technical tours overseas, hold our own workshop on campus, and even do some outreach at local middle schools. This year has been a huge success for our chapter, and thank you to everyone who has had a hand in making our year so great!

Every year our chapter takes a trip during reading week to see the world of transportation through a different lens. This year's destination was Europe, specifically the Netherlands and France. In the Netherlands we stayed in Amsterdam, one of the most bike-friendly cities in the world. The number of cyclists and the accommodations made for them was awe-inspiring. While in the Netherlands, we took a day trip to the near-by city of Delft. During this day trip, we were led on a 16-km cycling tour, learning about the history and, more importantly, the cycling infrastructure of Delft, which is similar to that of Amsterdam.



Amsterdam bike tour

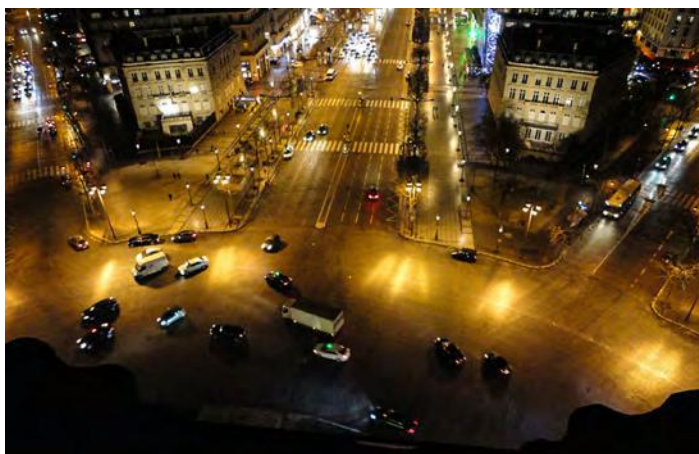
After our brief stay in Amsterdam, the group hopped on a train en route to Paris, France. In Paris we were able to go on two excellent technical tours. The first was a visit to a laboratory facility operated by the French Institute of Science and Technology for Transport, Development, and Networks (IFSTTAR). They gave us a short presentation on the institute, including their many labs distributed all across France, as well as the global scope of the projects they work on. We were then taken to test-drive two different simulation machines used by IFSTTAR in some of their behavioural studies – one for cycling and one for motor vehicles.

The final stop on our student chapter's technical tour de France was to Vélib, the bike share program operated in Paris.

Our group went to one of the 1,700 stations in the city. There we saw a maintenance crew and learned about how the bikes and stations operate and how customers can use the system. After seeing all of the front-end details, our group was led to a near-by workshop where we got to see how Vélib is run behind the scenes. There was a crew in the workshop doing major work on bikes that needed repairs, and an entire inventory of parts, stations posts, bikes, and anything else needed to keep the system running smoothly.

Learning about cycling while being in Europe was a wonderful way to spend reading week; we just wish it could have been longer!

Back in Winnipeg, our chapter held its biggest event of the year in March – an Active Transportation Workshop. The workshop featured two invited speakers: Brian Patterson of Urban Systems in Vancouver and Luis Miranda-Moreno, a professor at McGill University. The two spoke about their experiences with active transportation in projects and research they've worked on. The event was a major success, with over twenty members of industry attending, along with six students. We are especially thankful to our guest speakers; without them the event wouldn't have been possible.



View from the top of the Arc de Triomphe



Active Transportation Workshop

Our latest community involvement initiative has been a great combination of technical learning and fun. Our group visited two local middle schools to teach children about cycling, public transit, and transportation engineering. So far we've visited two schools, with another trip planned this month. Students from our chapter have loved interacting with the children and the children have been excited to learn about how they can travel in the city of Winnipeg. We hope this program can grow into something bigger next year.

We've had a great time this year, and we can't wait to cap it all off with a visit to the CITE conference this June in Kelowna, and perhaps another Traffic Bowl championship!

MOHAWK COLLEGE

A Message from Assistant Faculty Advisor Sean Nix

2016 has been extremely busy for the Mohawk College ITE Student Chapter. Not only has Mohawk student participation increased at CITE Hamilton Section events, but the students are now conducting their own activities, with very limited assistance from faculty, in collaboration with a group of students at McMaster University who are interested in forming their own student chapter.

On both Wednesday, March 2nd and Wednesday, March 23rd, students from the Mohawk College ITE Student Chapter hosted one-hour introductory Synchro training sessions to McMaster University students at the Mohawk College computer lab. Because McMaster University does not carry any Synchro licenses, this was an opportunity to allow McMaster students to put their previous coursework on signal timing theory into hands-on practice with software that is commonly used in the workplace. These training sessions were developed exclusively by students, with almost

no assistance from faculty. More sessions are planned in the coming months to cover more advanced material.

Mohawk College also plans to send a team to this year's Traffic Bowl in Kelowna. In Mohawk's second-ever appearance at a Traffic Bowl, Darren Loro, Omar Shams and Lauren Short hope to provide some healthy competition to post-secondary institutions across Canada.



Mohawk College students Darren Loro & Omar Shams teaching Synchro to McMaster University students.

UNIVERSITY OF NEW BRUNSWICK

A Message from Chapter President Caitlin Sowers

Our student chapter has continued to gain new members since it was founded in 2010. These are students from the undergraduate and graduate program who are passionate about transportation engineering and looking to broaden their experience in this area. We're fortunate to have a strong group of students who are curious and excited about the future of transportation engineering. Without them, the many successful fundraisers and events we have hosted would not have been possible. Our student chapter would also not be possible without the support and involvement from our faculty supervisors, Dr. Eric Hildebrand and Dr. Trevor Hanson. I would like to thank everyone who has made this year possible, and I look forward to serving as president of the UNB student chapter in the upcoming 2016-2017 year.



From left to right: Mohawk College students Shaymaa Al-Ani, Khulud Sheeraz, Lauren Short, Omar Shams, and Darren Loro with Sean Nix (Faculty) representing Mohawk College at the Inaugural McMaster University ITE Student Group Meeting on Tuesday, February 9th.



University of New Brunswick Fundraising Bake Sale

student chapter news

Port of Saint John Terminal Tour – November 5th, 2015

The CITE student chapter had the opportunity to visit the Port of Saint John to learn more about the operations of the facility. The group was given a presentation by Tyler O'Rourke, an engineer with the Port of Saint John, which outlined the operations of the facility and the types of goods and their volumes that are shipped through the facility. One of the highlights of the tour was seeing the huge cranes used to load and unload the container ships. There were two 45 tonne cranes positioned on one of the main terminals, which also has access to the railway track. The group was extremely appreciative of the Port of Saint John for allowing us to visit their facility, as well as Tyler O'Rourke for providing us with a very informative tour!

Max Wunsch: Transportation in Germany – March 29th, 2016

On March 29th, 2016, a member from our student chapter, Max Wunsch, an exchange student from Germany, shared his knowledge and experience with the transportation network in Germany. Max explained the difference between federal, state, and municipal roadways in Germany as well as the varying amount of traffic used on each facility. Max also discussed the various types of signage used on the roads. One of the most interesting points was that there is only a recommended speed on some of the highway facilities, which means users can travel as fast as they want!



Touring the Port of Saint John Terminal

Darren Charters: City of Fredericton Transit Initiatives – February 16th, 2016

On February 16th, 2016, Darren Charters with the City of Fredericton lent his time to present an overview of the City's bus transit system, as well as a new program to enhance the connectivity and reliability of their bus system. The new program will provide transit users with real time information on the location of the bus, and the expected time of arrival to a particular bus stop via a cellphone app. The use of the application would reduce the waiting time for a bus, eliminate the worry of a missed bus, and would also allow the City to confirm the bus arrival times with their posted schedule, from which adjustments could be made if a discrepancy in arrival time is found. Given the amount of students who rely on the bus system in Fredericton, we're very excited for the app to debut in June 2016!



UNB chapter awarding a fundraising raffle prize winner

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Issue	Release Date	Submission Deadline
Summer 2016	Aug 4, 2016	Jul 19, 2016
Fall 2016	Oct 25, 2016	Oct 4, 2016
Winter 2017	Jan 26, 2017	Jan 10, 2017

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Check out the interactive **Upcoming Events** tool on CITE's new website at cite7.org/eventlist/

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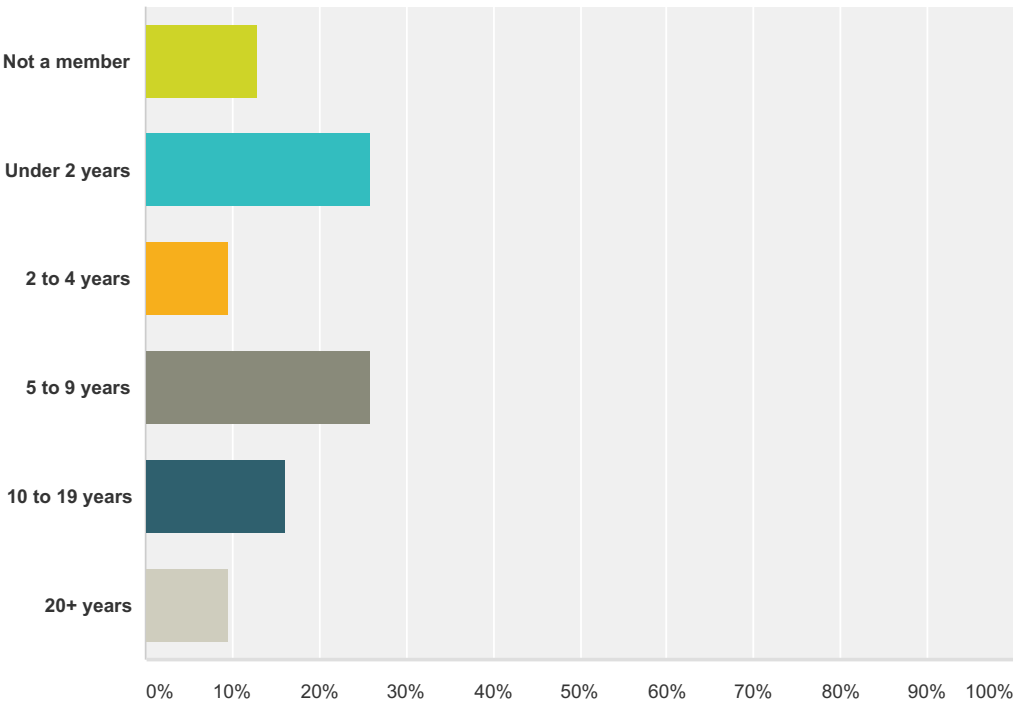
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Appendix D

Survey Results

Q3 For how long have you been a member of CITE?

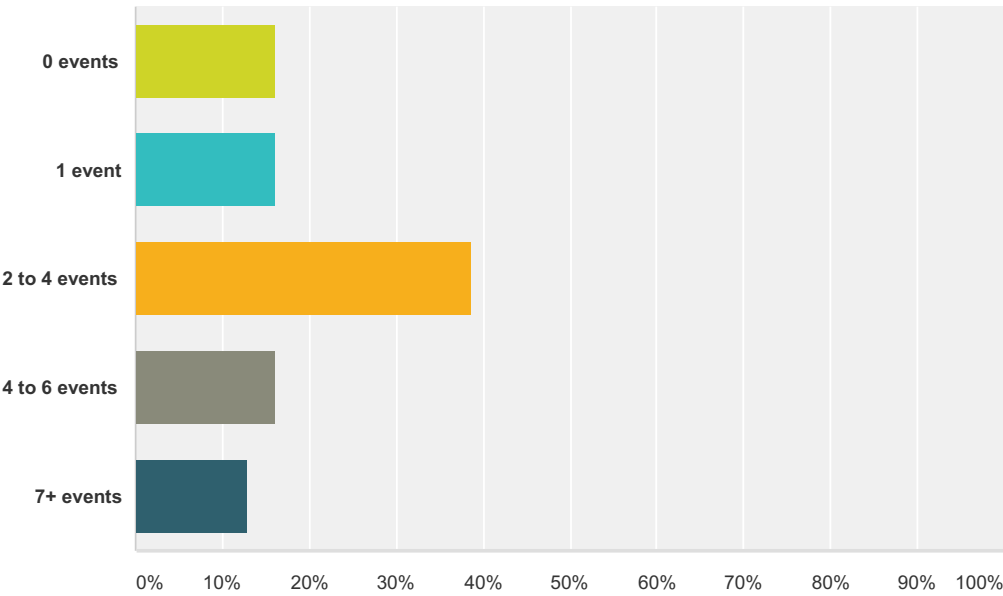
Answered: 31 Skipped: 0



Answer Choices	Responses	
Not a member	12.90%	4
Under 2 years	25.81%	8
2 to 4 years	9.68%	3
5 to 9 years	25.81%	8
10 to 19 years	16.13%	5
20+ years	9.68%	3
Total		31

Q4 How many CITE events have you attended in the past two years?

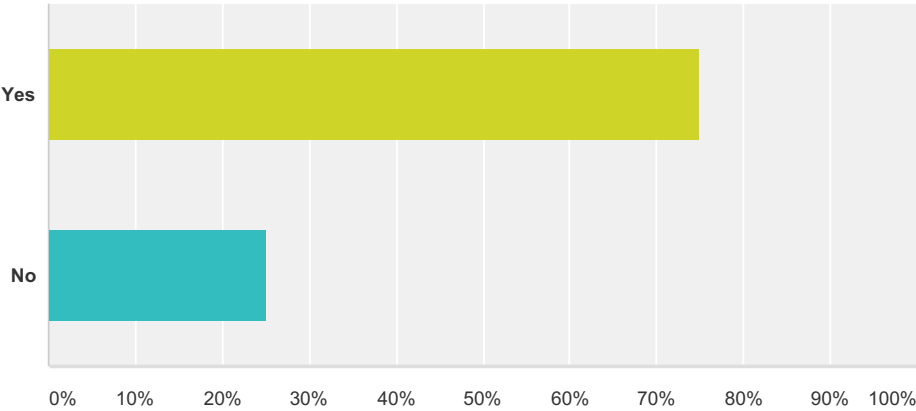
Answered: 31 Skipped: 0



Answer Choices	Responses	
0 events	16.13%	5
1 event	16.13%	5
2 to 4 events	38.71%	12
4 to 6 events	16.13%	5
7+ events	12.90%	4
Total		31

Q5 Do you want to be included in the email list for the BC Interior Chapter of CITE?

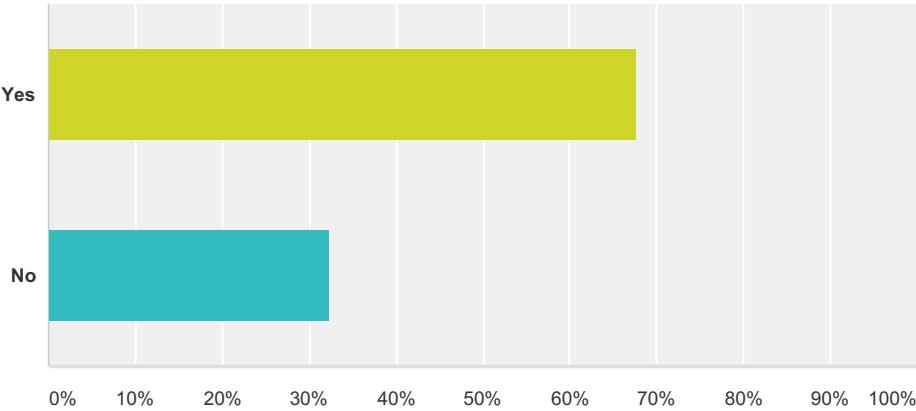
Answered: 28 Skipped: 3



Answer Choices	Responses	
Yes	75.00%	21
No	25.00%	7
Total		28

Q6 Did you attend the CITE-PIBC Healthy Communities workshop on November 10th?

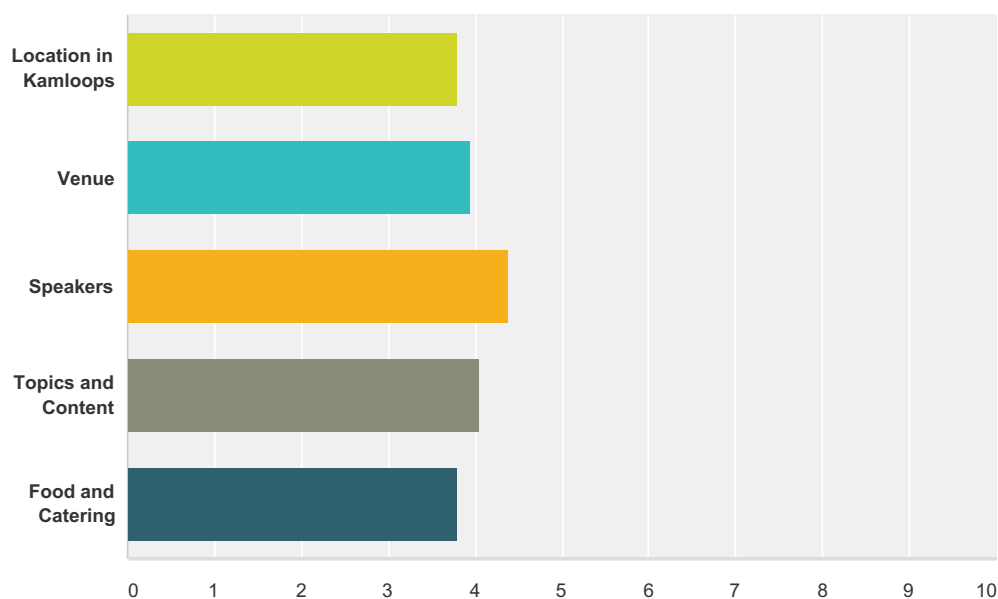
Answered: 31 Skipped: 0



Answer Choices	Responses	
Yes	67.74%	21
No	32.26%	10
Total		31

Q7 How satisfied were you with the Healthy Communities event on the following scale.

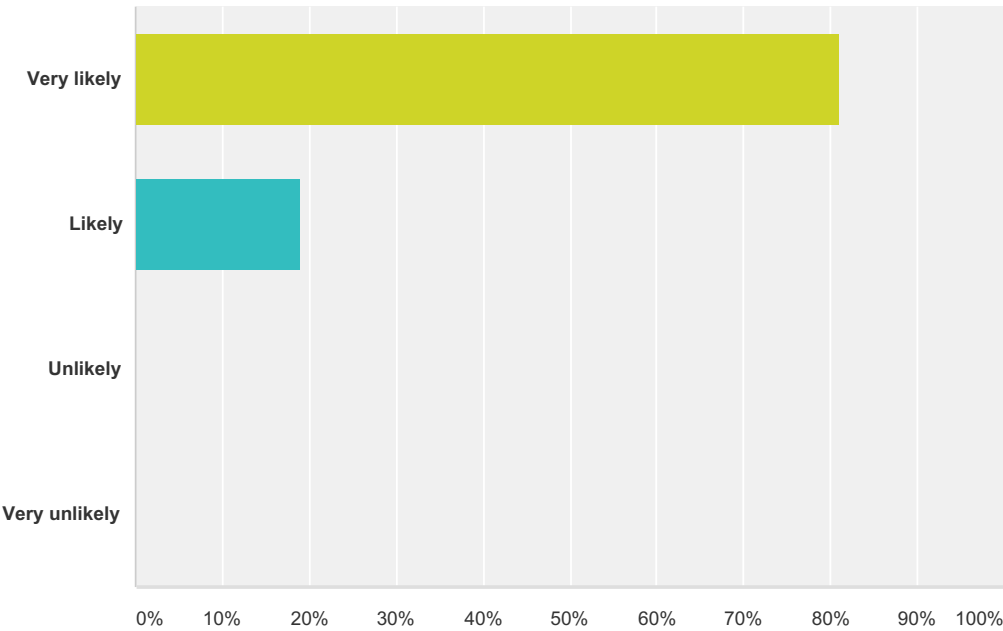
Answered: 21 Skipped: 10



	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied	Total	Weighted Average
Location in Kamloops	0.00% 0	0.00% 0	33.33% 7	52.38% 11	14.29% 3	21	3.81
Venue	0.00% 0	9.52% 2	14.29% 3	47.62% 10	28.57% 6	21	3.95
Speakers	0.00% 0	0.00% 0	4.76% 1	52.38% 11	42.86% 9	21	4.38
Topics and Content	0.00% 0	0.00% 0	23.81% 5	47.62% 10	28.57% 6	21	4.05
Food and Catering	0.00% 0	9.52% 2	23.81% 5	42.86% 9	23.81% 5	21	3.81

Q8 How likely are you to attend a similar event in the future?

Answered: 21 Skipped: 10



Answer Choices	Responses	
Very likely	80.95%	17
Likely	19.05%	4
Unlikely	0.00%	0
Very unlikely	0.00%	0
Total		21

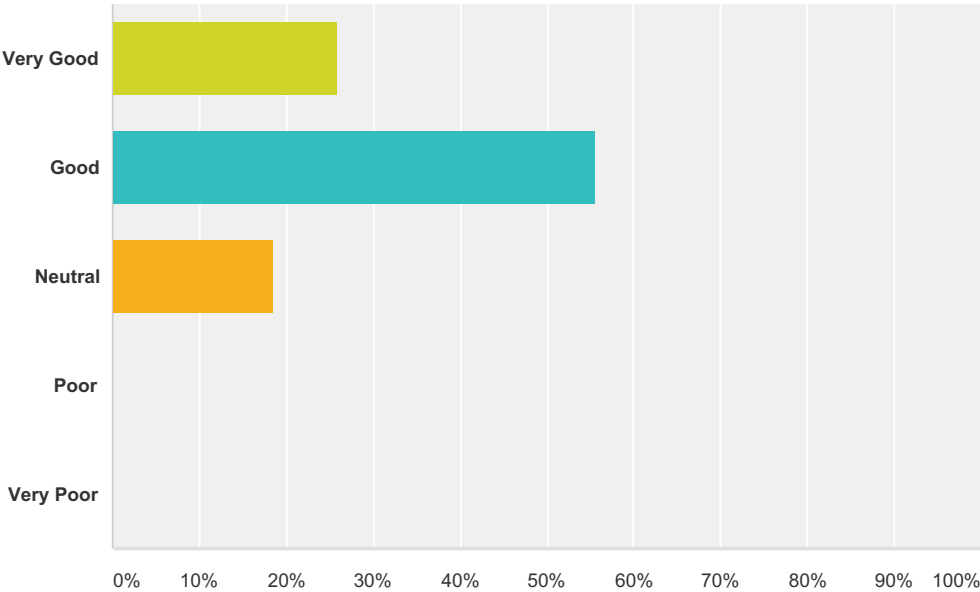
Q9 Please use the comment box below to let us know any other specific comments you may have about the Healthy Communities workshop.

Answered: 7 Skipped: 24

#	Responses	Date
1	The noise from the sports courts was distracting when people came and went during the presentations.	11/29/2016 4:41 PM
2	Enjoyed the longer session (Todd Litman)	11/29/2016 3:54 PM
3	The venue was too small for presentations and lunch.	11/25/2016 10:25 AM
4	I know timing was cut short w.r.t. IH due to late start. May have been worthwhile to ask audience if running 15 mins overtime was ok.	11/23/2016 4:47 PM
5	For folks coming from outside Kamloops or who may not be familiar with the campus, it was quite challenging to navigate from Parking Lot W to the conference room which delayed the start.	11/14/2016 6:22 PM
6	Start and end times for the event made it a feasible option, considering I was traveling from Kelowna. The first speaker was great. I think the event could have been moderated better - we were off schedule. Eating without any tables is a little awkward, but considering the food, it was manageable. The room was nice and bright. Thanks for putting on an interesting day of presentations.	11/14/2016 9:15 AM
7	It felt like we had one too many speakers for the day and probably should have just given each of the others more time. The late start was an absolute gong show. It wasn't a couple of people that were late, it was fifteen to twenty including multiple executive people. It looked bad.	11/14/2016 8:21 AM

Q10 How would you rate your happiness and overall level of satisfaction with Chapter events organized over the past couple of years?

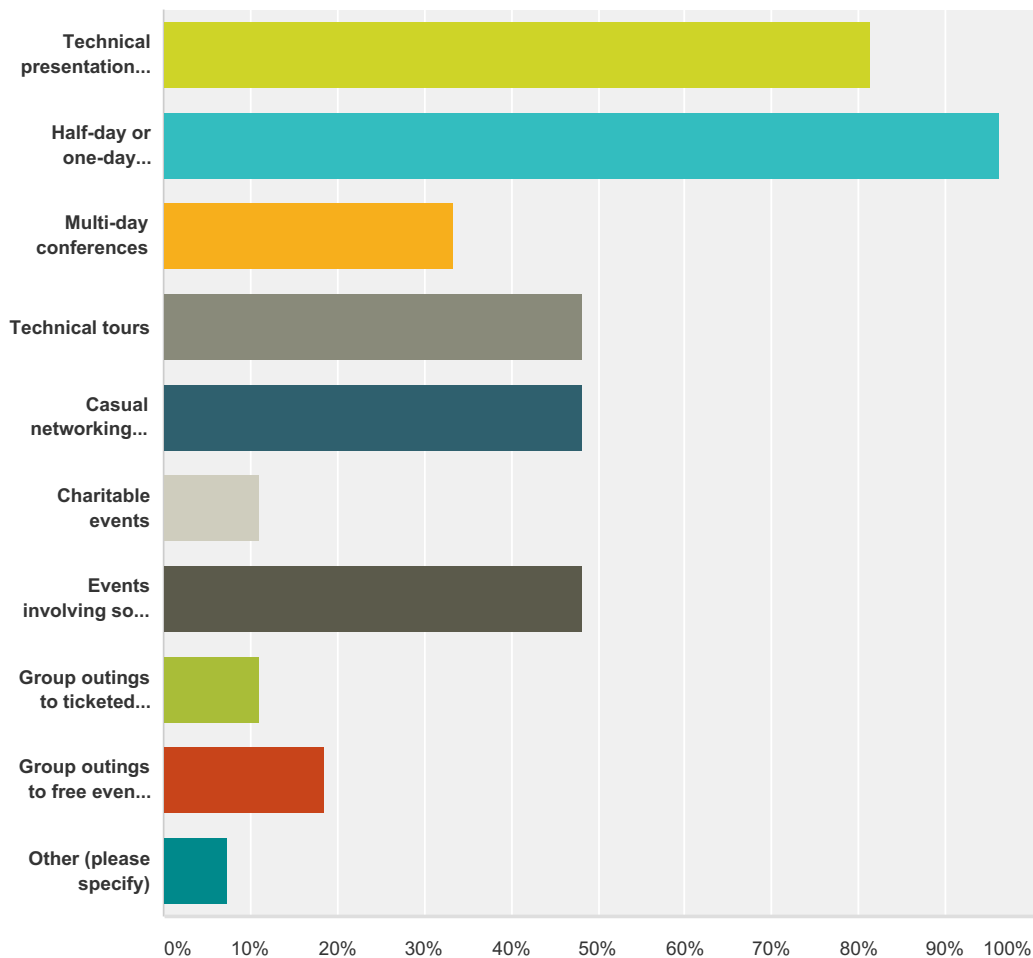
Answered: 27 Skipped: 4



Answer Choices	Responses	
Very Good	25.93%	7
Good	55.56%	15
Neutral	18.52%	5
Poor	0.00%	0
Very Poor	0.00%	0
Total		27

Q11 What types of Chapter events are of most interest to you? Select up to 5 activities

Answered: 27 Skipped: 4



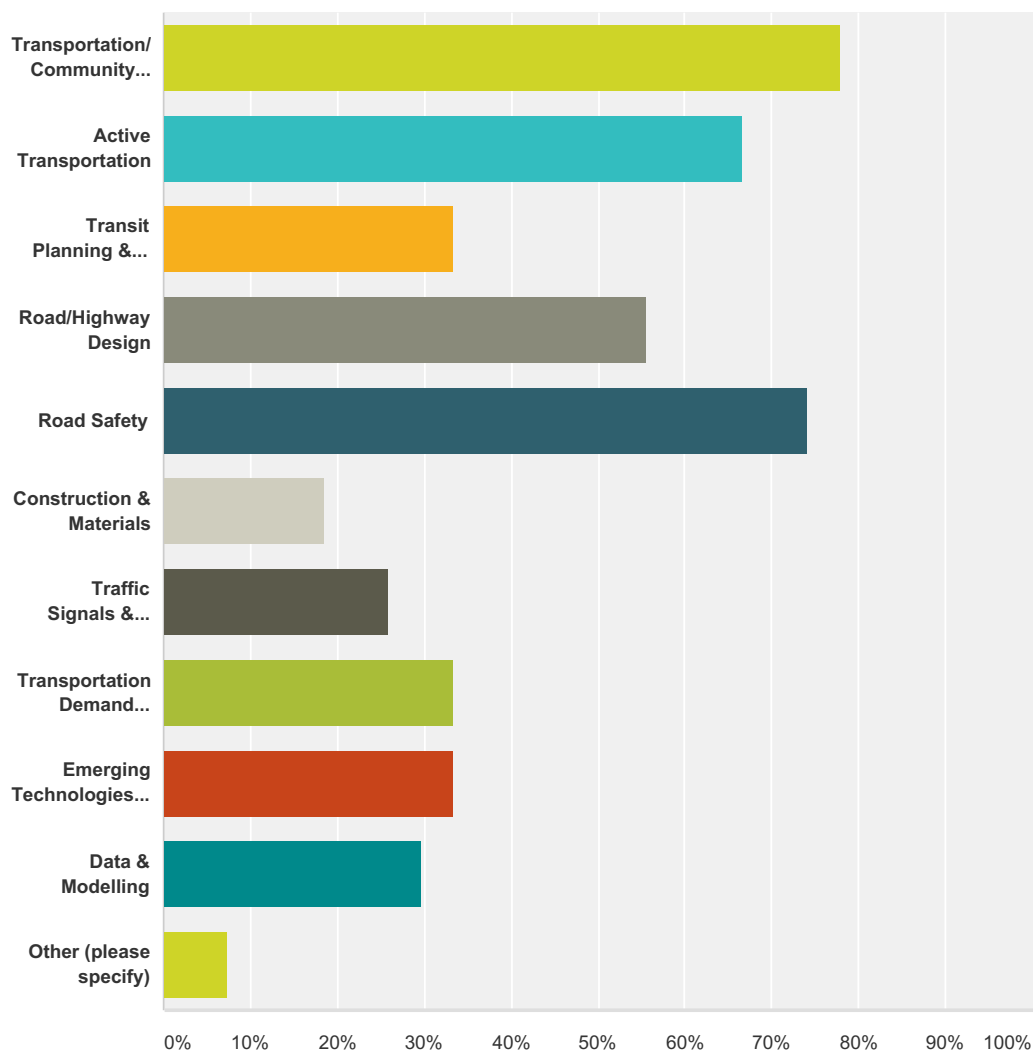
Answer Choices	Responses	
Technical presentations accompanied by a meal (e.g. luncheon)	81.48%	22
Half-day or one-day workshops/conferences	96.30%	26
Multi-day conferences	33.33%	9
Technical tours	48.15%	13
Casual networking events (e.g. drinks after work)	48.15%	13
Charitable events	11.11%	3
Events involving some physical activity (e.g. golf tournament, hiking, bowling, curling)	48.15%	13
Group outings to ticketed events (e.g. hockey games, theatre productions, concerts)	11.11%	3
Group outings to free events (e.g. car-free days, street festivals)	18.52%	5
Other (please specify)	7.41%	2

Total Respondents: 27	
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#	Other (please specify)	Date
1	Local events (Kamloops)	11/14/2016 6:26 PM
2	Professional development such as the bike facilities design course from several years ago.	11/13/2016 2:33 PM

Q12 Which topics are of most interest to you? Select up to 5 topics.

Answered: 27 Skipped: 4



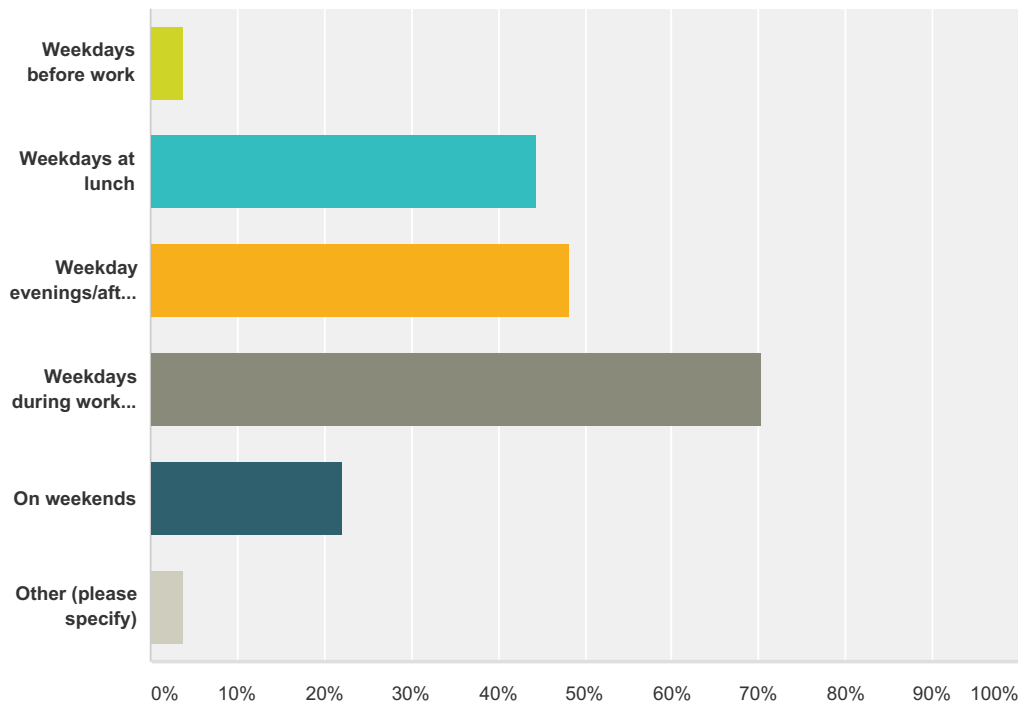
Answer Choices	Responses
Transportation/Community Planning	77.78% 21
Active Transportation	66.67% 18
Transit Planning & Design	33.33% 9
Road/Highway Design	55.56% 15
Road Safety	74.07% 20
Construction & Materials	18.52% 5
Traffic Signals & Controls	25.93% 7
Transportation Demand Management	33.33% 9
Emerging Technologies & ITS	33.33% 9

Data & Modelling	29.63%	8
Other (please specify)	7.41%	2
Total Respondents: 27		

#	Other (please specify)	Date
1	other related topics (planning, public engagement, municipal finance)	11/29/2016 3:57 PM
2	Partnering with other organizations; finding common threads/themes.	11/23/2016 4:50 PM

Q13 What are your preferred times for Chapter events? Select up to 3 times.

Answered: 27 Skipped: 4

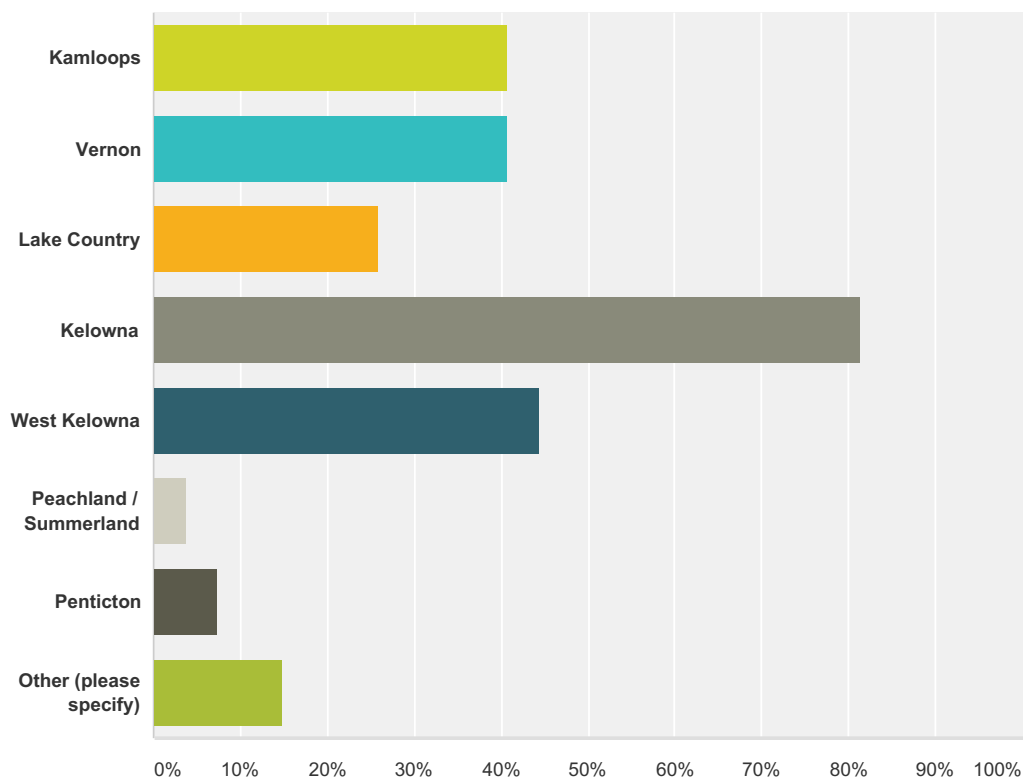


Answer Choices		Responses	
Weekdays before work		3.70%	1
Weekdays at lunch		44.44%	12
Weekday evenings/after work		48.15%	13
Weekdays during work hours (e.g. weekday mornings/afternoons)		70.37%	19
On weekends		22.22%	6
Other (please specify)		3.70%	1
Total Respondents: 27			

#	Other (please specify)	Date
1	Half weekday and weekend for a multi-day session.	11/23/2016 4:50 PM

Q14 What are your preferred locations for Chapter events? Select up to 3 locations.

Answered: 27 Skipped: 4

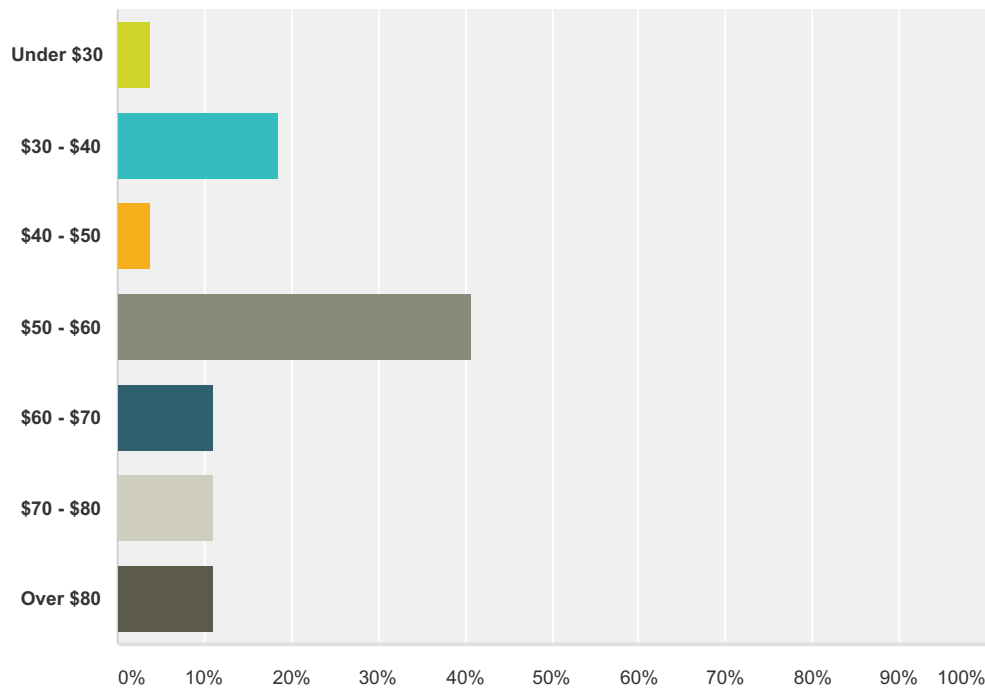


Answer Choices	Responses
Kamloops	40.74% 11
Vernon	40.74% 11
Lake Country	25.93% 7
Kelowna	81.48% 22
West Kelowna	44.44% 12
Peachland / Summerland	3.70% 1
Penticton	7.41% 2
Other (please specify)	14.81% 4
Total Respondents: 27	

#	Other (please specify)	Date
1	Occasionally, we should try to hit Kootenays and North regions as well.	11/23/2016 4:50 PM
2	Prince George	11/23/2016 9:08 AM
3	none - we need to move them around	11/14/2016 8:23 AM
4	Calgary	11/13/2016 2:58 PM

Q15 What would you consider to be a reasonable price for a typical single day mini-conference / workshop comprised of technical presentations and a meal?

Answered: 27 Skipped: 4



Answer Choices	Responses	
Under \$30	3.70%	1
\$30 - \$40	18.52%	5
\$40 - \$50	3.70%	1
\$50 - \$60	40.74%	11
\$60 - \$70	11.11%	3
\$70 - \$80	11.11%	3
Over \$80	11.11%	3
Total		27

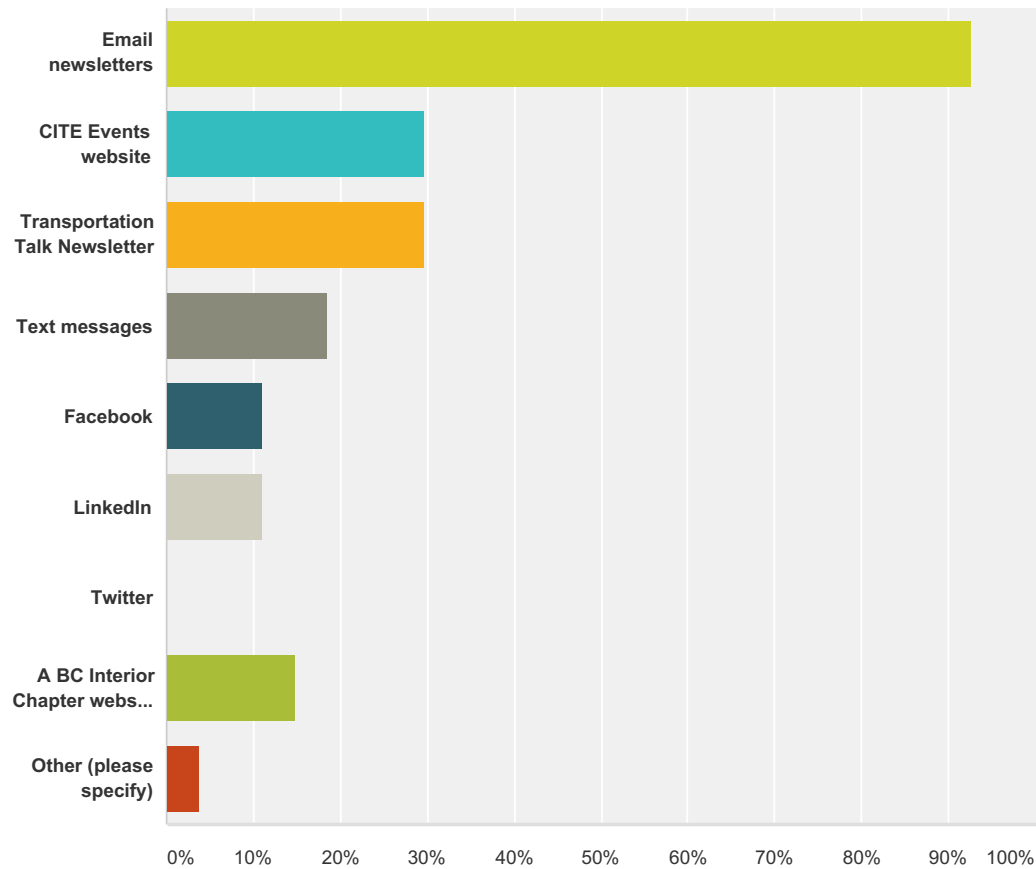
Q16 Do you have any suggestions for topics, speakers, venues or events?

Answered: 6 Skipped: 25

#	Responses	Date
1	No	11/22/2016 11:45 AM
2	I like looking at successful examples of effective transportation planning where discussion leads to how we can apply new ideas within our own jurisdictions. Building for high density is the obvious answer, and something I think we are all aware of, but I would like to understand the process in more detail from public engagement, council support, planning, to successful (or unsuccessful) application.	11/14/2016 9:22 AM
3	Venue: UBCO	11/14/2016 8:48 AM
4	Event: mini traffic bowl, students vs professionals!	11/13/2016 10:38 PM
5	Local experts, ITE executive	11/13/2016 3:09 PM
6	Road safety	11/13/2016 2:58 PM

Q17 Currently, the Chapter sends most communication via email and in the Transportation Talk Newsletter. What would be your preferred ways to receive communications from the Chapter? Select up to 3 forms of communication.

Answered: 27 Skipped: 4

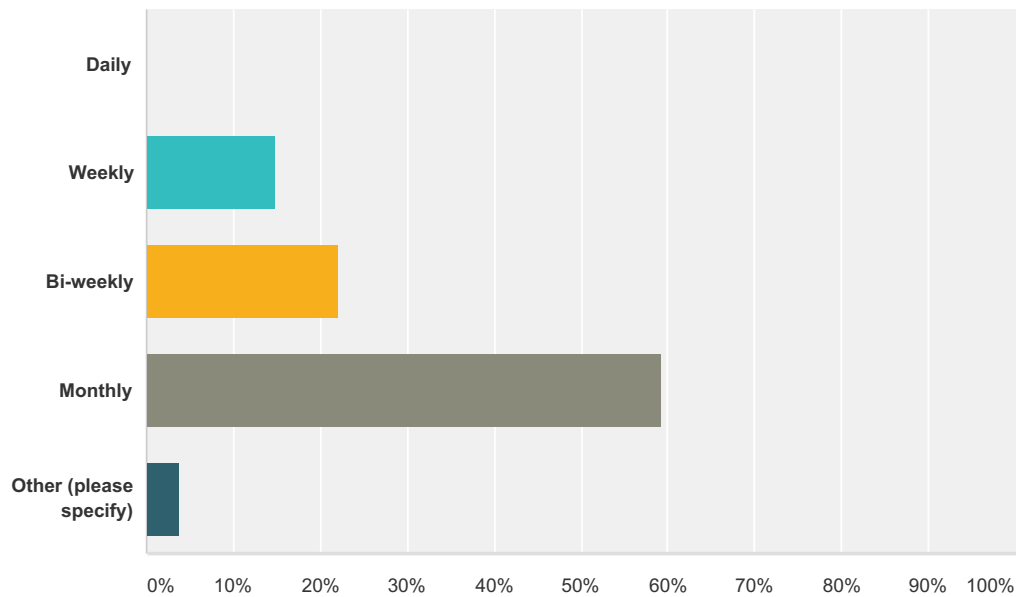


Answer Choices	Responses
Email newsletters	92.59% 25
CITE Events website	29.63% 8
Transportation Talk Newsletter	29.63% 8
Text messages	18.52% 5
Facebook	11.11% 3
LinkedIn	11.11% 3
Twitter	0.00% 0
A BC Interior Chapter website (currently non-existent)	14.81% 4
Other (please specify)	3.70% 1

Total Respondents: 27		
#	Other (please specify)	Date
1	A phone app that pushes info and interesting technical data.	11/23/2016 4:51 PM

Q18 What is your preferred frequency of communications from the Chapter? (In all instances, the frequency will increase leading up to events.)

Answered: 27 Skipped: 4



Answer Choices	Responses
Daily	0.00% 0
Weekly	14.81% 4
Bi-weekly	22.22% 6
Monthly	59.26% 16
Other (please specify)	3.70% 1
Total	27

#	Other (please specify)	Date
1	semi annually	11/14/2016 8:19 AM

Q19 Do you have any other feedback or ideas you'd like to share with us?

Answered: 2 Skipped: 29

#	Responses	Date
1	Great job running the chapter; keep it up and looking forward to participating in even more events hosted/co-hosted by CITE BC Int. Chapter	11/23/2016 4:51 PM
2	No	11/22/2016 11:46 AM

Appendix E

AGM Meeting Minutes

AGM Meeting Minutes

Thursday November 10, 2016 12:30 PM

Tournament Capital Centre, Kamloops, BC

Attendees:

Amanda Watson

Ian Roth

Ellen Morrison

Tom Baumgartner

James Donnelly

Brad Colvey

Jill Morrison

Stephen Sargeant

Katherine Weicker

Jan Voss

Peter Truch

Karen Reimann

Gord Lovegrove

Meagan Beaulieu

Natasha Elliott

1. Introduction

- Amanda gave an introduction highlighting the very successful CITE 2016 Annual Conference held in Kelowna and organized by members of the Chapter and the Greater Vancouver Section.

2. Financial Report

- Ellen gave financial report for a total closing balance of \$2,080.80 (report enclosed)
- Ellen noted the balance will change after the Mini-Conference event costs and revenue money from as well as the CITE 2016 Annual Conference surplus (~\$10,700) are balanced.

3. Election

- New Executive by acclamation:
 - o President: Ian Roth
 - o Vice President: Tom Baumgartner
 - o Treasurer: Mahesh Tripathi
 - o Secretary: Ellen Morrison
 - o Past President: Amanda Watson
 - o Members at Large: Brad Colvey
 - Brian Oliveira
 - Gord Lovegrove
 - Meagan Beaulieu

AGM Meeting Minutes

Peter Truch

Sam King

Stephen Sargeant

- o Student Chapter Liaison: Esraa Jamal
- New Executive sworn in by Jan Voss

4. Other Business

- Ian Roth indicated that a survey has been developed to gather feedback from the membership that will be sent out after the mini-conference. The survey will help the Executive plan Chapter activities over the next couple of years.
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