



Canadian Institute of Transportation Engineers
Greater Vancouver Section
2018 Annual Report
January 1st to December 31st, 2018

Prepared by:

Amy Do, EIT
Secretary, GVITE 2018

Date of Issue: March XX 2019



TABLE OF CONTENTS

1.0	2018 SECTION AND CHAPTER EXECUTIVE.....	1
2.0	SUMMARY OF SECTION ACTIVITIES.....	2
2.1.	SECTION MEETINGS AND EVENTS.....	2
2.2.	EVENT AND CONFERENCE ATTENDANCE BY GVITE EXECUTIVES.....	3
2.3.	AWARDS.....	3
2.3.1.	GVITE Annual Section Awards.....	3
3.0	ITE GREATER VANCOUVER SECTION IN 2018.....	4
3.1.	MEMBERSHIP.....	4
3.2.	FINANCE.....	4
3.2.1.	Financial Position.....	4
3.2.2.	Year Status.....	4
3.3.	LEGAL ACTIVITIES.....	6
3.4.	MONTHLY MEETINGS AND EVENTS.....	6
3.5.	ANNUAL GENERAL MEETING.....	8
3.6.	17 TH ANNUAL GOLF TOURNAMENT.....	12
3.7.	CITE 2020 ANNUAL CONFERENCE.....	12
3.8.	UBC STUDENT CHAPTER.....	12
3.9.	GVITE WEBSITE.....	13
APPENDIX A: 2018 GVITE FINANCIAL STATEMENT		1
APPENDIX B: 2018 UBC STUDENT CHAPTER ANNUAL REPORT		2

Cover Photo: Burrard – Pacific Protected Intersection

Source: @smplcs, twitter (<https://twitter.com/smplcs/status/923759922185093121>)

1.0 2018 SECTION AND CHAPTER EXECUTIVE

The activities of the Greater Vancouver Section of the Institute of Transportation Engineers (GVITE) are organized by the Section executive and the respective executives of the University of British Columbia (UBC) Student Chapter.

The 2018 Greater Vancouver Section executive is as follows:



President

Jared Duivesteyn, M.A.Sc., P.Eng.

Parsons



Vice-President

Niraj Sunuwar, P.Eng.

Urban Systems Ltd



Secretary

Amy Do, EIT.
City of Vancouver



Treasurer

Cameron Perkin, EIT.
McElhanney



Immediate Past-President

Brendan Stevenson, P.Eng., PTOE.
R.F. Binnie & Associates

Webmaster

Sam Young, P.Eng.
Ministry of Transportation

The 2018 UBC Student Chapter Executives are as follows:

- Chapter Advisor: Prof. Tarek Sayed, P.Eng.
- Assistant Chapter Advisor: Clark Lim, P.Eng.
- Co-President(s): Chandler White, Karin Huang
- Co-Vice President(s): Mohamed Essa, Tarek Ghoul
- GVITE Section Liaison: Niraj Sunuwar, P.Eng.

2.0 SUMMARY OF SECTION ACTIVITIES

2.1. SECTION MEETINGS AND EVENTS

In summary, the Greater Vancouver Section hosted a total of three breakfast meetings, two lunch meetings, and one dinner meeting, which was the Annual General Meeting and Awards Dinner for 2018. The Section also put on the 17th annual golf tournament, which was well-attended by local members, and supported by our sunny and warm summer weather.

Table 1 – Summary of Section Meetings and Events

Date	Type	Location	Topic	Attendance
Wednesday, February 7th, 2018	UBC ITE Industry Night	UBC Point Grey Campus	Industry Night	N/A
Monday, February 26 2018	Lunch Meeting	Holiday Inn Vancouver-Center	AAA Cycling and Pedestrian Spaces	26
Wednesday March 28, 2018	Lunch Meeting	Holiday Inn Express Metrotown	Sustainable & Safe – A Vision and Guidance for Zero Road Deaths	30
Wednesday April 25, 2018	Breakfast Meeting	Executive Suites Hotel & Conference Centre Burnaby	Alex Fraser Bridge Reversible Lane System	36
Sunday-Wednesday, June 3-6, 2018	Annual Conference	Edmonton	ITE/CITE Annual Meeting and Exhibit	N/A
Thursday, June 21, 2018	Golf Tournament	Burnaby Mountain Golf Course, Burnaby	17 th Annual GVITE Golf Tournament	19
Thursday, September 6, 2018	Lunch Meeting	Vancouver Public Library, Central Branch	New Mobility and Autonomous Vehicle Possibilities	32
Thursday, October 4, 2018	Lunch Meeting	Holiday Inn Express Metrotown	Roundabouts: Design Principles and Non-Standard Applications	24
Tuesday, November 6, 2018	Breakfast Meeting	Holiday Inn Express Metrotown	Residential Shared e-Bike Program	34
Wednesday, November 28, 2018	Dinner Meeting	Hilton Vancouver Metrotown	Annual General Meeting and Awards Dinner	45

2.2. EVENT AND CONFERENCE ATTENDANCE BY GVITE EXECUTIVES

UBC ITE Annual Industry Night (February 7, 2018): Attended by President Jared Duivesteyn and Immediate Past-President Brendan Stevenson.

ITE/CITE Joint Annual Conference in Edmonton (June 3 to June 6, 2018): Attended by President Jared Duivesteyn and Secretary Amy Do.

2.3. AWARDS

2.3.1. GVITE Annual Section Awards

At the Annual General Meeting in November, GVITE proudly recognized the achievements of the following project teams and transportation professionals:

- Bill Curtis Award (Transportation Project of the Year):
 - Abbotsford Transportation and Transit Master Plan (City of Abbotsford and Urban Systems)
- Mavis Johnson Award (Road Safety Project of the Year):
 - BC Community Road Safety Toolkit (TranSafe Consulting and RoadSafetyBC)
- Outstanding Professional Award:
 - Not awarded this year
- Young Professional Award:
 - Christopher Darwent, P.Eng. (City of Vancouver)
- Lifetime Achievement Award:
 - Larry Parks, ASCT (Great Northern Engineering Consultants)

3.0 ITE GREATER VANCOUVER SECTION IN 2018

3.1. MEMBERSHIP

The 2018 GVITE Section membership report was received from ITE on February 26th, 2019. The detailed breakdown of our Section's membership is as follows:

Membership Type	Number
<i>Greater Vancouver</i>	
Member Life, Prepaid and Retired	8
Fellow	13
Fellow Life, Prepaid and Retired	10
Member	202
Student Member	34
Total Greater Vancouver Members:	267

3.2. FINANCE

Does your section have a Federal Employer Identification Number?

☐ Yes ☒ No

3.2.1. Financial Position

GVITE is a not-for-profit organization that supports the advancement of the transportation engineering and planning industry within the Section area, in association with its parent organization, ITE International. The Section area includes all of British Columbia, except Vancouver Island.

The Section's funding generally comes from several key sources, including ITE membership dues, monthly meeting attendance fees, and the ITE Quad Conference (hosted every four years by rotation with the Vancouver Island Section, Washington State Section and Oregon Section). The funds generated at each Quad Conference are typically used to sustain the Section activities in the intermediate years between Conferences. The last Quad Conference held by GVITE was in 2015, with the next one anticipated in 2020, jointly organized with CITE Annual Meeting.

The Section's major expenses typically include costs associated with our monthly presentations (event venue and food), section operational costs (including the participation of executive members in the annual Canadian ITE), various sponsorship opportunities of the UBC ITE Student Chapter as well as annual awards supporting ITE activities.

3.2.2. Year Status

At the beginning of the 2018 fiscal year, the Section had an account balance of \$10,234.68. During the course of 2018, the Section's revenues were \$ 15,485.01 and the expenditures were \$16,940.12 for a net loss of \$1,455.11. The 2018 GVITE Section financial summary is shown in **Table 2** below.

Table 2 – GVITE Financial Summary for 2018

Table 2 - GVITE Financial Summary for 2018

as of Jan 1, 2019

CAD Chequing + PayPal Account

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on Jan 1, 2018				\$ 10,234.68
UBC SC ITE Industry Night		\$ 500.00	\$ (500.00)	
CITE Annual Conference (J. Duivestuin)		\$ 1,757.50	\$ (1,757.50)	
Golf Tournament	\$ 2,448.65	\$ 2,097.38	\$ 351.27	
January Executive Meeting - Food		\$ 125.89	\$ (125.89)	
July Executive Meeting - Food		\$ 95.68	\$ (95.68)	
Bank Fees		\$ 6.76	\$ (6.76)	
Website Fees (Not Paid Yet)		\$ 244.25	\$ (244.25)	
Website Paypal Operation Test	\$ 2.00	\$ 2.00	\$ -	
Speaker Gift Cards		\$ 125.00	\$ (125.00)	
CITE Dues	\$ 2,665.75		\$ 2,665.75	
New Cheques				
Name Tags		\$ 17.23	\$ (17.23)	
Monthly Meetings (Mar, Apr, May)	\$ 10,360.00	\$ 11,968.43	\$ (1,608.43)	
Meeting #1 02/28/2018	\$ 1,090.00	\$ 1,320.45		
Meeting #2 28/03/2018	\$ 1,460.00	\$ 1,589.71		
Meeting #3 25/04/2018	\$ 1,505.00	\$ 1,773.87		
Meeting #4 06/09/2018	\$ 1,000.00	\$ 706.71		
Meeting #5 05/10/2018	\$ 1,190.00	\$ 1,336.84		
Meeting #6 06/11/2018	\$ 1,525.00	\$ 1,197.88		
AGM	\$ 2,590.00	\$ 3,742.54		
Paypal Fees (Jan to Jul)		\$ 121.14	\$ (121.14)	
Paypal Fees (Jul to Dec)		\$ 179.29	\$ (179.29)	
Interest	\$ 8.61		\$ 8.61	
2018 TOTAL TILL December	\$ 15,485.01	\$ 16,940.12	\$ (1,455.11)	
Balance on Jan 1, 2019				\$ 8,779.57
- CAD Chequing Account				\$ 8,779.57
- PayPal Account				\$ -

Cash

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on Jan 1, 2018				\$ 100.00
Difference				\$ -
Balance on Jan 1, 2019				\$ 100.00

Mavis Johnson Scholarship

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on Jan 1, 2018				\$ 7,007.37
Interest	\$ 3.53		\$ 3.53	
2018 TOTAL TILL December	\$ 3.53	\$ -	\$ 3.53	
Balance on Jan 1, 2019				\$ 7,010.90

USD Savings Account

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on January 1, 2018				\$ 3,048.51
Conversion to CAD in Chequing Account				
Cheque from ITE International	\$ 2,141.25			
USD Interest	\$ 6.28	\$ 0.75	\$ 5.53	
2018 TOTAL TILL December	\$ 2,147.53	\$ 0.75	\$ 2,146.78	
Balance on Jan 1, 2019				\$ 5,195.29

Total Assets

Account Type	Balance
CAD Chequing Account	\$ 8,779.57
PayPal Account	\$ -
Cash	\$ 100.00
Mavis Johnson Scholarship	\$ 7,010.90
USD Savings Account	\$ 7,065.59
TOTAL ASSETS (CAD)	\$ 22,956.06

FX Rates

* Note 1: Funds in USD Account converted at July 23th, 2018 exchange rate of 1.36 CAD = 1 USD

*Note 1

*Note 1

Notable points with regards to Section finances include the following:

- The Section spent a total of \$11,968.43 on seven meetings in 2018, including the Annual General Meeting (AGM). A total of \$10,360.00 was collected from meeting registration fees.
- The Section's operating costs totaled \$616.81, including two executive meetings, purchase of name tags, speaker gifts, etc.
- The Section's annual golf tournament raised \$351.27 to support the Section activities.
- The total cost of sending a GVITE representative to the Canadian ITE (CITE) Conference and Annual General Meeting in Edmonton was \$1757.50
- The total cost of sponsoring UBC Student Chapter activities was \$500.00.
- ITE International and the ITE Canadian District provided remittance cheques totaling \$2141.25 CAD.

The detailed GVITE Financial Statement is attached in **Appendix A** of this report.

3.3. LEGAL ACTIVITIES

Was there a change in the Section Bylaws during this reporting period?

☐ Yes ☒ No

Was there a change in the Chapter Bylaws during this reporting period?

☐ Yes ☒ No

3.4. MONTHLY MEETINGS AND EVENTS

2018 was yet again a busy and successful year for GVITE, with the Section hosting several local monthly meetings for the membership to attend.



The first event of the year was the annual Student Industry Night, held on February 7th 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 an excellent 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 lunch meeting held on February 26th. Grace Chiang and Mike Zipf from the City of Vancouver provided insights into Vancouver's AAA cycling design guidance and then dive into 2017 co-op student research & learnings on interactions of people walking and cycling through plazas and shared corridors. AAA cycling design guidelines state that separation of modes is often desired to enhance comfort for all people. However, sometimes we have cycling routes pass through plaza's and other shared spaces.

The next event of spring was held on March 28th, and consisted of a lunch meeting where Mavis Johnson covered the principles of the Safe System approach, in addition to the benefits of moving to this comprehensive and integrated approach. Fatal crash outcomes usually depend upon a number of factors which interact and lead to death. Mavis Johnson elaborated on the Safe System approach, a framework that is derived from the work of the Swedish Road Authority and Road Safety Agencies in the Netherlands and has been adopted as the basis for road safety activity in Victoria, Australia since 2003. It has also been adopted as the foundation for Canada's RSV 2025 and by several provinces and cities.

The last event of the spring was held on April 25th on the topic of the Alex Fraser Bridge. The bridge has significant capacity issues which result in extensive delays to this strategically important part of the Lower Mainland highway system. Currently, during the morning rush hour, northbound queues on Highway 91 extend over 3.5km in length (south of 72nd Avenue) and, during the afternoon rush hour, southbound queues on Highway 91 extend over 3.5km in length (north of Cliveden Avenue). Highway 91 is a key goods movement corridor and capacity issues result in extensive delays and costs to goods movement carriers. The presentation also explained the implementation of a compact Moveable Barrier System, which enables reversible lane operations such that additional lanes can be allocated in peak travel directions depending on the time of day.

Over the summer break, the Greater Vancouver Section of ITE hosted the 17th Annual GVITE Golf tournament on Thursday, June 21st at the Burnaby Mountain Golf Course. The weather was great with many golfers participating in the tournament and dinner, and prizes given out. Following the success of last year's event, a trivia question with a transportation-related topic was asked at the end of every hole.



The first event of the fall was a lunch meeting held on September 6th, with Jeremy Finkleman from Urban Systems presenting on New Mobility and Autonomous Vehicle Possibilities. Advances in telecommunications and socio-behavioural shifts have already led to the exponential growth of New Mobility services such as carsharing, ridesourcing (i.e. Uber, Lyft), and

bikesharing in larger cities. The presentation shared some of the key insights gathered from the survey



and suggest next steps municipalities and agencies could take to ensure they are planning proactively for this seismic shift to the transportation network.

The second meeting of the fall was a lunch meeting on October 4th. Stephen Sargeant of Watt consulting Group presenting on the design

and applications of roundabouts. In the past 25 years, the use of roundabouts in North America has progressed significantly. The presentation looked at how “non-standard” roundabout designs are being implemented with varying degrees of success. Accommodating cycle tracks, pedestrian facilities, utility constraints and design vehicles are also possible with roundabouts.

The last technical event of the fall was a breakfast meeting on November 6th. Floris van Weelderen of Bunt & Associates Engineering Ltd. presented on the Residential Shared e-Bike Program. Many highrise residential towers are growing across Metro Vancouver’s town centres. This density brings many advantages, but also some challenges. As our region’s urban centres continue to grow, congestion to, from and within these areas is causing problems for drivers and bus passengers. This presentation described the solution; the benefits that it brings to residents, municipalities and developers, the underlying magic/technology of shared e-bikes, potential business models, fleet recommendations, as well as potential parking credits for providing this TDM measure.

3.5. ANNUAL GENERAL MEETING

The Section held its AGM and Awards Dinner on November 28, 2018 at the Hilton Vancouver Metrotown Hotel in Burnaby. The meeting was well-attended by members, family, friends and colleagues in the local transportation industry to re-connect and celebrate another successful year for the Greater Vancouver Section.

The following awards were presented at the meeting:

Bill Curtis Technical Achievement Award (Transportation Project of the Year)

- This award celebrates technical excellence in the field of transportation engineering, design and traffic operations.
- The nominated projects can be a roadway design projects, traffic operation programs as well as transportation studies.
- The selected projects must be substantially implemented or completed in the current calendar year.

- The selection criteria include technical complexity and innovation, societal importance, sustainability, quantity of work and budget/time limitation.
- This award was presented to the Mike Kelly, City of Abbotsford and Brian Patterson, Urban Systems Ltd. for the Abbotsford Transportation and Transit Master Plan. This project produced a bold new plan with a refreshed vision to help the City grow and develop sustainably. The Plan was adopted by Council in June 2018.



**Bill Curtis Award presented to Brian Patterson and Mike Kelly
by Immediate Past-President Brendan Stevenson (left)**

Mavis Johnson Award (Road Safety Project of the Year)

- This award celebrates technical excellence in the field of road safety.
- The nominated projects should focus on improving road safety. The projects could include safety for vulnerable road users, road safety audits, collision analysis, traffic calming, safe route to school programs, educational campaigns etc.
- The selected projects must be substantially implemented or completed in the current calendar year.
- The selection criteria include technical complexity and innovation, societal importance, sustainability, quantity of work and budget/time limitations.
- This award was given to TranSafe Consulting Ltd. and RoadSafetyBC –Safe Roads and Communities Working Committee for developing the Community Road Safety Toolkit. This is an easily accessible and electronic knowledge source that provides design concept to address many of the local issues that provincial municipalities experience, and to reduce higher severity collisions. It contains practical information on both proven and innovative interventions that municipalities can undertake.

Young Professional Award

- This award recognizes demonstration of growing leadership skill and valuable contribution to ITE and/or the transportation engineering and planning profession.
- To be eligible, a candidate must be a young professional working in the transportation profession.
- A young professional is defined as being 35 years of age or younger on January 1 of the current calendar year.

This award was presented to Christopher Darwent, P.Eng. from the City of Vancouver.



Christopher Darwent (right) accepts Young Professional Award

Lifetime Achievement Award

- This award recognizes a lifetime of contribution in the transportation industry.
- This award was presented Larry Parks, Great Northern Engineering Consultants



Larry Parks (right) accepts Lifetime Achievement Award

Following the awards presentations, the Greater Vancouver Section held its annual general meeting.

The 2019 Executive members are:

- President: Niraj Sunuwar (Urban Systems)
- Vice President: Amy Do (City of Vancouver)
- Secretary: Cameron Perkin (McElhanney)
- Immediate Past-President: Jared Duiveststein (Parsons)
- Webmaster: Sam Young (MOTi)

3.6. 17TH ANNUAL GOLF TOURNAMENT

The 17th Annual GVITE Golf tournament was held on Thursday, June 21st at the Burnaby Mountain Golf Course. The purpose of the golf tournament is to raise money to sponsor UBC Student Chapter activities. The weather was great with 19 golfers participating in the tournament and dinner, with many prizes given out.



3.7. CITE 2020 ANNUAL CONFERENCE

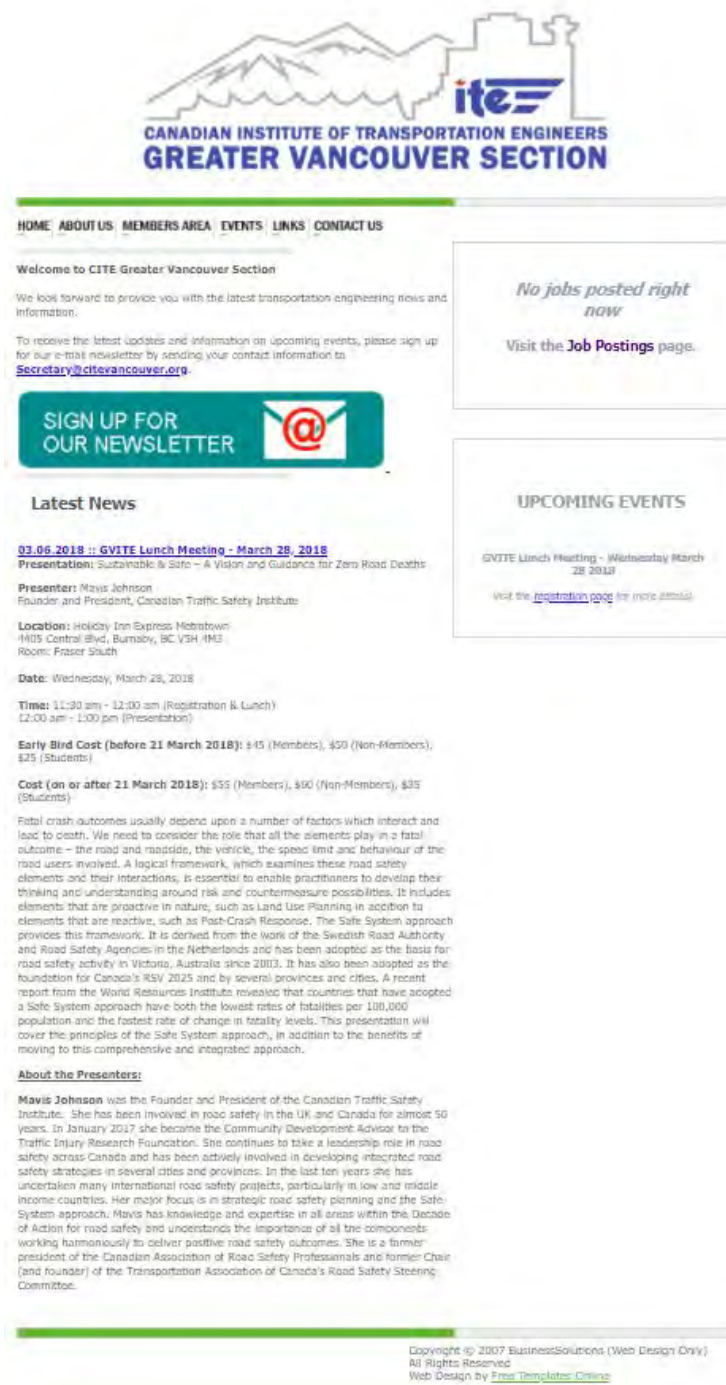
At the 2018 CITE Annual Conference in Edmonton, the Board of Direction voted for the Greater Vancouver ITE Section to host the 2020 conference. The conference will be a joint CITE / Quad Conference, with attendees from across Canada as well as the Washington and Oregon ITE Sections. Since the award of the conference, the GVITE has established a core Local Arrangements Committee with monthly meetings and has finalized a venue for the conference, which will run from May 23 – 27, 2020. In 2018 the LAC also initiated work related to technical tours, sightseeing and social events, and a conference theme and logo.

3.8. UBC STUDENT CHAPTER

The UBC ITE Student Chapter has had an active year, organizing several major events, as well as participating in events organized by other groups. The UBC Student Chapter hosted the Annual Industry Night in February 2018. Attendance from both the student and industry communities was high. Three student members also attended the ITE / CITE Annual General Meeting & Exhibit in July/August of 2018. Additionally, UBC ITE student members actively attended GVITE Section meetings as well as a number of student activities and initiatives.

The Chapter continued to be supported by Dr. Tarek Sayed as the Chapter Advisor and Mr. Clark Lim as the Assistant Chapter Advisor. The 2018 UBC ITE Student Chapter Annual Report is appended to this document as **Appendix B**.

3.9. GVITE WEBSITE



The website for the Greater Vancouver Section at

<http://www.citevancouver.org>

continues to be the main point of contact for its membership. Upcoming events, job postings and event registration are hosted on the website. The website is managed by webmaster Sam Young.

The functionality of the website has not changed in the past few years and most of the work in 2018 was related to upkeep and maintenance.

In addition to the GVITE website, beginning in 2018 Section events are now also advertised directly on the CITE website.

APPENDIX A: 2018 GVITE FINANCIAL STATEMENT

GVITE EXPENSE SUMMARY FOR 2018

as of Jan 1, 2019

CAD Chequing + PayPal Account

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on Jan 1, 2018				\$ 10,234.68
UBC SC ITE Industry Night		\$ 500.00	\$ (500.00)	
CITE Annual Conference (J. Duivestien)		\$ 1,757.50	\$ (1,757.50)	
Golf Tournament	\$ 2,448.65	\$ 2,097.38	\$ 351.27	
January Executive Meeting - Food		\$ 125.89	\$ (125.89)	
July Executive Meeting - Food		\$ 95.68	\$ (95.68)	
Bank Fees		\$ 6.76	\$ (6.76)	
Website Fees (Not Paid Yet)		\$ 244.25	\$ (244.25)	
Website Paypal Operation Test	\$ 2.00	\$ 2.00	\$ -	
Speaker Gift Cards		\$ 125.00	\$ (125.00)	
CITE Dues	\$ 2,665.75		\$ 2,665.75	
New Cheques				
Name Tags		\$ 17.23	\$ (17.23)	
Monthly Meetings (Mar, Apr, May)	\$ 10,360.00	\$ 11,968.43	\$ (1,608.43)	
Meeting #1 02/28/2018	\$ 1,090.00	\$ 1,320.45		
Meeting #2 28/03/2018	\$ 1,460.00	\$ 1,589.71		
Meeting #3 25/04/2018	\$ 1,505.00	\$ 1,773.87		
Meeting #4 06/09/2018	\$ 1,000.00	\$ 706.71		
Meeting #5 05/10/2018	\$ 1,190.00	\$ 1,336.84		
Meeting #6 06/11/2018	\$ 1,525.00	\$ 1,197.88		
AGM	\$ 2,590.00	\$ 3,742.54		
Paypal Fees (Jan to Jul)		\$ 121.14	\$ (121.14)	
Paypal Fees (Jul to Dec)		\$ 179.29	\$ (179.29)	
Interest	\$ 8.61		\$ 8.61	
2018 TOTAL TILL December	\$ 15,485.01	\$ 16,940.12	\$ (1,455.11)	
Balance on Jan 1, 2019				\$ 8,779.57
- CAD Chequing Account				\$ 8,779.57
- PayPal Account				\$ -

Cash

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on Jan 1, 2018				\$ 100.00
Difference				\$ -
Balance on Jan 1, 2019				\$ 100.00

Mavis Johnson Scholarship

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on Jan 1, 2018				\$ 7,007.37
Interest	\$ 3.53		\$ 3.53	
2018 TOTAL TILL December	\$ 3.53	\$ -	\$ 3.53	
Balance on Jan 1, 2019				\$ 7,010.90

USD Savings Account

Item Type	Income	Expenditures	Net (Loss)	Balance
Balance on January 1, 2018				\$ 3,048.51
Conversion to CAD in Chequing Account				
Cheque from ITE International	\$ 2,141.25			
USD Interest	\$ 6.28	\$ 0.75	\$ 5.53	
2018 TOTAL TILL December	\$ 2,147.53	\$ 0.75	\$ 2,146.78	
Balance on Jan 1, 2019				\$ 5,195.29

Total Assets

Account Type	Balance
CAD Chequing Account	\$ 8,779.57
PayPal Account	\$ -
Cash	\$ 100.00
Mavis Johnson Scholarship	\$ 7,010.90
USD Savings Account	\$ 7,065.59
TOTAL ASSETS (CAD)	\$ 22,956.06

*Note 1

FX Rates

* Note 1: Funds in USD Account converted at July 23th, 2018 exchange rate of

1.36

CAD = 1 USD

APPENDIX B: 2018 UBC STUDENT CHAPTER ANNUAL REPORT



ANNUAL REPORT 2018-19

The University of British Columbia Institute of
Transportation Engineers Student Chapter



6250 Applied Science Lane
University of British Columbia
Vancouver, BC V6T 1Z4

UBC ITE Student Chapter Annual Report
Thursday, March 7, 2019

Canadian Institute of Transportation Engineers
PO Box 25118
1221 Weber Street East
Kitchener, ON N2A 4A5

To Whom It May Concern:

**UNIVERSITY OF BRITISH COLUMBIA
INSTITUTE OF TRANSPORTATION ENGINEERS
STUDENT CHAPTER ANNUAL REPORT
VANCOUVER, BC**

In response to the required student chapter annual report, this report summarizes the University of British Columbia Institute of Transportation Engineers Student Chapter's (UBC ITE SC) members, events, conferences, financials, and future objectives. As such, only select highlights of the events and conferences are presented.

While this report focusses mainly on student involvement, Dr. Tarek Sayed and Mr. Clark Lim have continued to provide support and guidance to the student chapter. This has been greatly appreciated and is part of the reason the student chapter has grown in 2018-19.

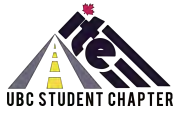
Sincerely,

Chandler White / Karin Huang
Co-Presidents
UBC ITE Student Chapter (2018-19)



Table of Contents

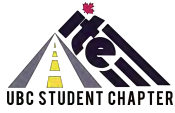
<i>Introduction.....</i>	<i>1</i>
<i>Members.....</i>	<i>2</i>
Executive Board	2
Executive Team	3
UBC ITE SC Annual Industry Night 2019 Team	4
Members at Large	5
<i>Event Highlights</i>	<i>7</i>
Storm Crow Student Social.....	7
Lunch and Learn with Urban Systems	7
Lunch and Learn with Bunt & Associates	8
Canada Line Tour	8
UBC ITE SC Annual Industry Night 2019	9
<i>Conference Highlights</i>	<i>10</i>
ITE Quad Conference 2018.....	10
CITE Conference in Edmonton	11
<i>Financials</i>	<i>12</i>
<i>Moving Forward.....</i>	<i>14</i>



Introduction

The Institute of Transportation Engineers (ITE) is an international community of transportation professionals. It was founded with two goals: to promote the standards of transportation and traffic engineering and to create a social platform for professionals to share knowledge. The University of British Columbia (UBC) ITE Student Chapter is a student-run organization that promotes the education of transportation traffic engineering, as well as transportation planning. The Student Chapter is located at the University of British Columbia, a leading engineering and research university with classes specializing in transportation engineering and planning. Dr. Tarek Sayed, the Chapter Advisor, was recognized as the top Canadian Road Safety Researcher of the century by the Transportation Association of Canada.

The UBC ITE SC fosters communication between students and the transportation industry by facilitating events such as: the annual industry night, field trips, and educational seminars. Students have found these events to be constructive to their career goals because they help to expand their knowledge base and industry network.



Members

In 2018-19, the UBC ITE SC has grown to 5 Executive Board members, 5 Executive Team members, 8 Event Volunteers, and 100 Members at Large for a total of 118 UBC ITE SC members.

Executive Board

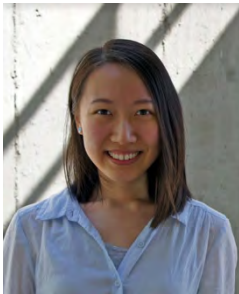
The Executive Board is responsible for chapter planning and leadership, including finances and decision-making.



Chandler White

Co-President

Chandler is a senior B.A.Sc. student in Civil Engineering with experience in transportation from the consulting, municipal, and research perspectives. Chandler coordinates the chapter as a whole and helps with planning and direction. He looks forward to tackling tomorrow's transportation issues with the past, present, and future members of the UBC ITE SC.



Karin Huang

Co-President

Karin is a B.A.Sc. student in Civil Engineering. She developed a passion for transportation engineering when she first joined ITE and is now excited to pursue a career in transportation engineering. She strives to create opportunities for students to both explore the field of transportation engineering and become more involved, such as networking events and informational sessions.



Tarek Ghoul

Co-Vice President

Tarek is a senior B.A.Sc. student in Civil Engineering. He has a strong interest in Transportation Engineering. He seeks to pursue graduate studies in the field and continue to promote the discipline on campus as well as through networking events. As Co-Vice President, his roles include facilitating team communication as well as organizing teams and events.



Mohamed Essa

Co-Vice President

Mohamed is a PhD candidate in Civil Engineering. His research is focused on improving road safety and mobility using Connected and Autonomous Vehicles. He believes in the significant role that the UBC ITE SC can play in establishing communications between students and transportation professionals.



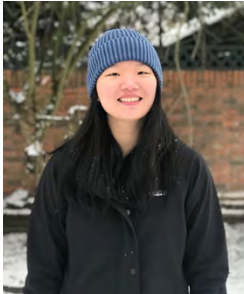
George Liou

Treasurer

George is a senior Civil Engineering B.A.Sc. student, with transportation experience in both private and public sector. As treasurer, he maintains club assets and transactions, as well as preparing budgets for events.

Executive Team

The Executive Team makes the plans a reality by contacting industry members and coordinating events, along with creating promotional materials and advertising events to the UBC student body.



Felita Ong

Event Coordinator

Felita is a B.A.Sc. student in Civil Engineering. Felita joined the UBC ITE SC in September 2018 as an Event Coordinator. She is delighted to have been a part of a great club.



Stefan Baer

Event Coordinator

Stefan is a 4th-year Civil Engineering B.A.Sc. student passionate about using his craft to make a positive difference in the way we move about our built environments. Inspired by his extensive travels in Western Europe and East Asia, he is particularly interested in alternative and sustainable transportation modes such as public transit and active transportation. As such, he is a regular cycling commuter. His hope for ITE is that it continues to help build and foster meaningful networks and relationships between transportation engineering firms and students interested in the transportation field.



James Craxton

Graphic Designer

James is a Civil Engineering student and joined the UBC ITE SC in September 2018. James creates graphics for the chapter and is interested in Intelligent Transportation Systems.



Khelen Upadhyay

Publicity Representative & Event Coordinator

Khelen is a B.A.Sc. student in Civil Engineering. He joined the UBC ITE SC in January 2018 and represented UBC at the CITE Annual Conference and its Traffic Bowl Competition.



Mohamed Bayoumi Kamel

Graduate Representative

Mohamed is a second year Ph.D. student in Civil Engineering. His research is focused on promoting active transportation (walking and cycling) and enhancing their safety.

UBC ITE SC Annual Industry Night 2019 Team



Figure 1 - UBC ITE SC Annual Industry Night 2019 Team.

From left to right: Howard Lin, Mohamed Abdelhay Essa, Kasun Herath, Felita Ong, George Liou, Jimmy Zhang, Sandy Lam, Trevor Jones, Tarek Ghoul, Khelen Upadhyay, Monica Liu, Emily Ding, Antonio Mendoza, Karin Huang, and Chandler White.



The UBC ITE SC would like to thank the Event Volunteers: Trevor Jones, Antonio Mendoza, Dennis Wu, Howard Lin, Emily Ding, Sandy Lam, Monica Liu, and Kasun Herath for their selfless efforts to making Industry Night a success this year.

Members at Large

Aside from the Executive Board, Executive Team, and UBC ITE SC Annual Industry Night 2019 Team, the following 100 UBC Students have actively expressed interest in the UBC ITE SC events.

Name	Student Type
Ahmed Hakam	4th Year Undergraduate
Alan Chen	4th Year Undergraduate
Alan Yuan	4th Year Undergraduate
Aljhon Lorenzana	3rd Year Undergraduate
Amir Hassanpour	Graduate Student
Amir Naghibi	3rd Year Undergraduate
Amirhossein Parizi	Graduate Student
Amrit Gill	4th Year Undergraduate
Andrew Toi	4th Year Undergraduate
Arjun Prihar	3rd Year Undergraduate
Avtar Panesar	2nd Year Undergraduate
Bailey Yee	4th Year Undergraduate
Benjamin Corbett	1st Year Undergraduate
Benny Lim	1st Year Undergraduate
Binay Adhikari	Graduate Student
Brenna Wong	4th Year Undergraduate
Brianna Visintin	3rd Year Undergraduate
Catherine Zhang	3rd Year Undergraduate
Chris Jing	3rd Year Undergraduate
Danica Brintjes	4th Year Undergraduate
Daniel Luo	4th Year Undergraduate
David Hu	2nd Year Undergraduate
Davis Su	3rd Year Undergraduate
Derrick Kwok	2nd Year Undergraduate
Edward Tjhang	3rd Year Undergraduate
Elmira Berjisan	Graduate Student
Emilie Boras	3rd Year Undergraduate
Emily Lu	4th Year Undergraduate
Eric Hebbard	3rd Year Undergraduate
Eric Rothfels	4th Year Undergraduate
Erica Mason	4th Year Undergraduate
Farbod Chamanian	2nd Year Undergraduate
Farzin Foolad	3rd Year Undergraduate
Frederick Heere	2nd Year Undergraduate
Gaby Monagan	3rd Year Undergraduate

Gurdiljot Gill	Graduate Student
Gurpreet Jhaji	Graduate Student
Hans Muten	3rd Year Undergraduate
Harman Sandhu	2nd Year Undergraduate
Harry Blackmore	3rd Year Undergraduate
Harry Suh	3rd Year Undergraduate
Hossameldin Mohammed	Graduate Student
Jackson Buckner	4th Year Undergraduate
Jake Vissers	Graduate Student
James Whittemore	1st Year Undergraduate
Jaspreet Kaur	Graduate Student
Jasur Umarov	4th Year Undergraduate
Juliette Mollard Thibault	2nd Year Undergraduate
Justin DeSiena	4th Year Undergraduate
Kiana Kamali	3rd Year Undergraduate
Liam Kynaston	2nd Year Undergraduate
Longco Ko	3rd Year Undergraduate
Manik Dialani	1st Year Undergraduate
Marc Cheneval	3rd Year Undergraduate
Mark McNaughton	Graduate Student
Matthew Tong	2nd Year Undergraduate
Mengqi Lu	4th Year Undergraduate
Michelle Li	1st Year Undergraduate
Mohamed Mohsen	2nd Year Undergraduate
Mohammad Ibrahim	4th Year Undergraduate
Mohammad Mahdavyfakhr	Graduate Student
Mohammad Reza Karimi	Graduate Student
Naomi Hoque	4th Year Undergraduate
Nick Clifford	3rd Year Undergraduate
Nicolas Moss	4th Year Undergraduate
Nina Tong	4th Year Undergraduate
Pegah Zarei	Graduate Student
Peter Adamd	3rd Year Undergraduate



Prudence Nakawooya	4th Year Undergraduate
Roxana Sorkhi	3rd Year Undergraduate
Roy Wang	4th Year Undergraduate
Rubinder Nagi	Graduate Student
Rushdi Alsaleh	Graduate Student
Ryan Hirakida	4th Year Undergraduate
Ryan Vo	3rd Year Undergraduate
Sam Roosma	3rd Year Undergraduate
Samarth Shyamanur	4th Year Undergraduate
Scott McKenzie	3rd Year Undergraduate
Shahriar Nabipour	4th Year Undergraduate
Siddharth Ganapathy	4th Year Undergraduate
Sophia Kim	3rd Year Undergraduate
Sreevyshnavi Tejovath	1st Year Undergraduate

Sridaran Rajagopal	3rd Year Undergraduate
Steven Rintoul	4th Year Undergraduate
Supawee Khailor	2nd Year Undergraduate
Supreeth Prasad	3rd Year Undergraduate
Suzanne King	4th Year Undergraduate
Tadayori Nakao	Graduate Student
Tala Alsharif	3rd Year Undergraduate
Thomson Mai	3rd Year Undergraduate
Tim Tuo	3rd Year Undergraduate
Usman Nasim	Graduate Student
Vasily Spiridonov	4th Year Undergraduate
Wenhao Chen	Graduate Student
Whitney Chan	4th Year Undergraduate
Winnie Zhuang	4th Year Undergraduate
Xyllene Guerra	4th Year Undergraduate
Zhenning Wang	4th Year Undergraduate

Event Highlights

Storm Crow Student Social

On September 27, 2018, the UBC ITE Student Chapter hosted a Kick-Starter Social at the Storm Crow Alehouse. Many continuing and new members of the student chapter joined us for a night of food, drinks, and board games.



Figure 1 - Storm Crow Student Social September 27, 2018. Source: George Liou, 2018

Lunch and Learn with Urban Systems

Jeremy Finkleman and Niraj Sunuwar from Urban Systems joined us for a pizza lunch & learn on October 9, 2018. They provided us with an introduction to transportation planning and traffic modelling. About 33 students were in attendance, see Figure 2 below.



Figure 2 - Urban Systems Lecture October 9, 2018. Source: Trevor Jones, 2018.

Lunch and Learn with Bunt & Associates

James Lee, Fede Puscar, and Maria Albitar from Bunt & Associates joined us for a pizza lunch & learn on October 30, 2018. They provided us with an overview of the transportation projects that go into the typical UBC student's commute to UBC and back. About 30 students were in attendance, see Figure 3 below.



Figure 3 - Bunt & Associates Lecture October 30, 2018. Source: Chandler White, 2018

Canada Line Tour

On Saturday November 24, 2018, around 30 students separated into two heats attended the Canada Line Tour hosted by the maintenance and operation staff at the Canada Line Operations and Maintenance Centre. The tours were eye opening and provided students with an overview of the inner workings of the SkyTrain service so many commuters rely on every day.



Figure 2 - Canada Line Tour 1 November 24, 2018.
Source: Karin Huang, 2018



Figure 4 - Canada Line Tour 2 November 24, 2018.
Source: Stefan Baer, 2018

UBC ITE SC Annual Industry Night 2019

The UBC ITE SC Annual Industry Night is the largest event of each year. This year, 166 people registered to network in the Engineering Student Centre on a snowy Friday night, February 8, 2019. This included 60 transportation professionals, and 106 students. The event also included a presentation from UBC's Bureau of Intelligent Transportation Systems and Freight Security's Mohamed Bayoumi Kamel. The total revenue generated this year through sponsorships was \$6,000, which was more than the sponsorships obtained in 2018. UBC ITE SC was thus able to invest \$2,702.92 in organizing the event which resulted in far larger turnouts than previous years.

Table 1 - UBC ITE SC Annual Industry Night 2019 Sponsors

Sponsor Type	Company
Gold	<ul style="list-style-type: none"> • Creative Transportation Solutions • ISL Engineering and Land Services
Silver	<ul style="list-style-type: none"> • Bunt & Associates • Binnie
Bronze	<ul style="list-style-type: none"> • Mott MacDonald • Canadian Institute of Transportation Engineers Greater Vancouver Section • Steer

In response to last year's "Moving Forward" goals, the UBC ITE SC did additional advertising to UBC SCARP (Planning) students. Also, Victor Ngo, a SCARP MCIP Candidate, was to deliver a presentation on "Electrifying Transportation in the Victoria Capital Region: Planning for Electric Vehicles and E-Bike Infrastructure". Due to unfortunate health circumstances, Victor was unable to present on the event day.

Overall, the UBC ITE SC Annual Industry Night 2019 was a huge success with over double the registration numbers of 2018. Figure 5 and Figure 6 depict the crowd.



Figure 5 - UBC ITE SC Annual Industry Night 2019 Complimentary Food. Source: George Liou, 2019



Figure 6 - UBC ITE SC Annual Industry Night 2019 Crowd. Source: George Liou, 2019

Conference Highlights

ITE Quad Conference 2018

On May 7-9, 2018, Oregon ITE hosted ITE Quad Conference in Portland, OR. ITE QUAD Conference is annually held in the Pacific Northwest. This conference includes transportation professionals from British Columbia, Washington, Oregon and beyond. Three student representatives from the UBC ITE SC, Fujiou Lu, Jeremy Tse, and Chandler White (see Figure 8 below) attended as student volunteers. A wide variety of transportation projects were presented on, including the Georgia and Dunsmuir Viaducts in Vancouver. Outside of the conference, we explored Tilikum Crossing and bike trails in downtown Portland, OR.



Figure 7 - Tilikum Crossing, a non-automobile bridge in Portland, OR. Source: Fujiou Lu, 2018



Figure 8 - UBC ITE SC Representatives at Quad Conference. Source: Chandler White, 2018



Figure 9 - Quad Conference example presentation. Source: Chandler White, 2018

CITE Conference in Edmonton

The CITE Annual Meeting took place in Edmonton from June 3rd to June 6th, 2018. The annual meeting was packed with technical seminars and technical tours during the daytime and social events throughout the evening. An event highlight for the UBC ITE Student Chapter was the Traffic Bowl Competition, where ten student chapters from Canada competed in a transportation themed Jeopardy-like competition.



Figure 6 - CITE Conference in Edmonton June 4, 2018.
Source: Karin Huang, 2018



Figure 7 - CITE Conference in Edmonton June 4, 2018.
Source: Karin Huang, 2018



Financials

Looking through this year, sponsorships served as the main revenue of the student chapter and make our many events possible. Our major expenses included conference, food for events, and gifts for speakers. This year, the budget was significantly increased for the ITE Industry night which had record attendance and almost doubled in size. It should be noted, however, that our balance is still growing. While the large sums of sponsorship may not be required to maintain the same level activity next year, the club is planning on organizing more events next year to further promote the club on campus. This can be done by hosting more events or sending more people to conferences, which would be at the discretion of next year's executives.

Date	Debit/Credit	Amount	Event	Notes	Balance
		\$ -	Previous Year	Starting Balance	\$ 8,063.33
26-Sep-18	DR	\$ 71.43	Reimbursement	T-shirt reimbursement for sponsor T-shirts	\$ 7,991.90
27-Sep-18	DR	\$ 158.18	Stormcrow opening mixer	For Stormcrow opening mixer food	\$ 7,833.72
26-Oct-18	DR	\$ 5.00	Bunt lunch and learn	For Bunt event	\$ 7,828.72
26-Oct-18	DR	\$ 50.23	Bunt lunch and learn	Water bottles for Bunt	\$ 7,778.49
30-Oct-18	DR	\$ 205.56	Bunt lunch and learn	10 Pizzas from Uncle Fatih's	\$ 7,572.93
30-Oct-18	DR	\$ 16.25	Bunt lunch and learn	Pop for Bunt	\$ 7,556.68
21-Nov-18	DR	\$ 90.00	ITE Annual General Meeting	Chandler and Karin, 45\$ each	\$ 7,466.68
15-Jan-19	CR	\$ 1,000.00	Sponsorships	ISL Gold Sponsor	\$ 8,466.68
17-Jan-19	CR	\$ 1,000.00	Sponsorships	Department Funding	\$ 9,466.68
22-Jan-19	CR	\$ 500.00	Sponsorships	GVITE Bronze Sponsor	\$ 9,966.68
22-Jan-19	CR	\$ 750.00	Sponsorships	Bunt Silver Sponsor	\$ 10,716.68
22-Jan-19	CR	\$ 1,000.00	Sponsorships	CTS Gold Sponsor	\$ 11,716.68
23-Jan-19	CR	\$ 500.00	Sponsorships	Mott McDonald Bronze Sponsor	\$ 12,216.68
25-Jan-19	CR	\$ 750.00	Sponsorships	Binnie Silver Sponsor	\$ 12,966.68
28-Jan-19	CR	\$ 500.00	Sponsorships	Steer Silver Sponsor	\$ 13,466.68
29-Jan-19	DR	\$ 82.45	Industry Night	Plaques for sponsors	\$ 13,384.23
30-Jan-19	DR	\$ 18.35	Industry Night	Printing fee for posters	\$ 13,365.88
31-Jan-19	DR	\$ 312.55	Industry Night	Promotional signs	\$ 13,053.33
06-Feb-19	DR	\$ 79.50	Industry Night	Name tag printing	\$ 12,973.83

06-Feb-19	DR	\$ 150.00	Industry Night	To Felita's Costco run	\$ 12,823.83
06-Feb-19	DR	\$ 625.43	Industry Night	Nuba Catering	\$ 12,198.40
06-Feb-19	DR	\$ 527.63	Industry Night	Savoury Chef Catering	\$ 11,670.77
06-Feb-19	DR	\$ 593.25	Industry Night	Sugar Catering	\$ 11,077.52
07-Feb-19	DR	\$ 75.00	Industry Night	Gift Card Raffle	\$ 11,002.52
08-Feb-19	DR	\$ 73.50	Industry Night	Brochures printing	\$ 10,929.02
08-Feb-19	DR	\$ 4.43	Industry Night	Costco Partial Reimbursement	\$ 10,924.59
08-Feb-19	DR	\$ 36.00	Industry Night	Gas and parking, 65km + 3.50 parking	\$ 10,888.59
08-Feb-19	DR	\$ 14.00	Industry Night	Mileage, 28 km	\$ 10,874.59
08-Feb-19	DR	\$ 14.00	Industry Night	Mileage, 28 km	\$ 10,860.59
09-Feb-19	DR	\$ 96.88	Industry Night	Coat hanger rental	\$ 10,763.71



Moving Forward

We believe that the following practices further the accomplishment of our goals as a student chapter and increase our outreach into the future:

- Ensuring that the incoming executive team has a diverse skill-set with respect to technical knowledge, communication skills, and connections with industry and the student body
- Continued coordination with the School of Community and Regional Planning (SCARP) to increase membership from students completing the Masters of Urban Planning program with a focus in transportation
- Hosting joint events with the Greater Vancouver Institute of Transportation Engineers (GVITE) and Young Professionals in Transportation (YPT)
- Continue conducting public weekly student chapter meetings where executives are required to attend but member-at-large attendance is optional