



ite
NORTHERN ALBERTA



Canadian Institute of
Transportation Engineers

Northern Alberta Section

2019 Annual Report

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INTRODUCTION

The Northern Alberta Section of the Canadian Institute of Transportation Engineers (CITE) prepared a 2019 Annual Report for submission to the Canadian Institute of Transportation Engineers. The 2019 Annual Report identifies the Section's Board and Membership details, and provides a summary of the Section's activities from January 1 to December 31, 2019.

While this report is intended to satisfy the requirements laid out by CITE, the Northern Alberta Section also shares the report with Members, Sponsors and anyone else who may be interested.



SECTION STRUCTURE

The Northern Alberta Section consists of three key components: our Members; our Board and Executive Committee; and our Sponsors.

Members

At the end of 2019, there were 99 voting ITE members plus 32 non-voting ITE members in the Northern Alberta Section.



Section Executive Committee and Board

The Northern Alberta Section Executive Committee and Board typically meet monthly to discuss administrative matters and to plan events. The Executive Committee, which is composed of the President, Vice President, Treasurer, Secretary, and Immediate Past President, are responsible for managing the administrative affairs of the Section in conformity with the Policies of the District, and the Policies of the Institute and for guiding the direction of the Board. The Board is composed of member volunteers and is responsible for discussing, setting and executing the objectives and affairs of the Section.

A new Executive Committee was announced at the Northern Alberta Section's Annual General Meeting on May 1, 2019. At the conclusion of the 2018-2019 season, the Board consisted of 13 members (including the Executive Committee Members).



From left to right: Jermaine Smith, Ali Arshad, Anthony Ng, Xiaobin Wang, Wayne Gong, Pablo Orozco, Daniel Zeggelaar, Jackie Prior, Dallas Karhut
Missing: Alyssa Peters, Zheng Luo, Justin Belau, Sid Ahuja, Anika Muhammad, Naomi Li



The 2019-2020 Executive Committee and Board includes:

President	Anthony Ng, City of Edmonton	til December 2020
Vice-President	Dan Zeggelaar, ISL Engineering	til December 2020
Treasurer (and ITEUA Liasson)	Zheng Luo, Stantec	til December 2020
Secretary	Alyssa Lefebvre, Bunt & Associates	til December 2020
Past President	Dallas Karhut, City of Edmonton	term ends December 2020
Member at Large	Pablo Orozco, City of Edmonton	
Communications	Jacqueline Prior, ISL Engineering	
Member at Large	Justin Belau, City of Edmonton	joined January 2019
Member at Large	Sid Ahuja, Bunt & Associates	joined January 2019
Member at Large	Anika Muhammad, WSP	joined December 2019
Member at Large	Naomi Li, City of Edmonton	joined December 2019
Member at Large	Wayne Gong, City of Edmonton	resigned December 2019
Member at Large	Ali Arshad, ISL Engineering	resigned November 2019
Member at Large	Jermaine Smith, DIALOG	resigned September 2019
Member at Large	Xiaobin Wang, City of Edmonton	resigned June 2019

The Northern Alberta Section would like to acknowledge the contributions and efforts of outgoing Board Members:

- **Xiaobin Wang** served four years on the Board as an events coordinator and planner
- **Jermaine Smith** served one year on the Board and co-lead our communications
- **Ali Arshad** served two years on the Board as an event planner
- **Wayne Gong** served six years on the Board and Executive Committee in many different roles including Student Liaison, Communications Lead, Secretary and Treasurer

Thank you so much for your contributions and best of luck in your future pursuits.



Section Sponsors

Continuing our sponsorship structure from previous years, two types of sponsorships are available to industry partners: Platinum Sponsors and Section Sponsors. Both Platinum Sponsors and Section Sponsors have their logos displayed on the nacite.org website and at Section events.

- **Platinum Sponsors** also have the opportunity to host one of the monthly luncheons organized by the Section for a contribution of \$500. As the luncheon host, the sponsor decides the content of the presentation in consultation with the Section Executive. Typically, somebody from the host organization presents on a topic that is relevant to their area of expertise. In addition, the host sponsor is encouraged to use the event for marketing purposes and is allowed to set up displays, signs and/or provide giveaways to attendees.
- **Section Sponsors** have the opportunity to host non-luncheon events, such as evening socials or technical tours for a contribution of \$250.

Sponsors play a significant role in the operations of the Northern Alberta Section. Sponsors allow the Section to serve our members by hosting luncheons, presentations, technical tours, and other networking events. A few examples of how Sponsors help include:

- Subsidizing luncheon cost overruns to ensure luncheon registration costs are as low as possible for our Members;
- Providing free student registrations for luncheons (typically 4-6 per luncheon);
- Supporting section activities, including non-luncheon events, socials and technical tours. Examples include the Year End Social, Speaker Gifts and other administrative costs.

Thanks to the support of our Sponsors, the Northern Alberta Section continues to serve a significant role in developing and growing a community of transportation professionals in Edmonton and Northern Alberta.



PLATINUM SPONSORS



McElhanney



SECTION SPONSORS





BOARD ACTIVITY

The Northern Alberta Section Board typically meets monthly to coordinate event planning and to review and discuss other practices such as how we communicate with our Members. A few notable events and initiatives include the season planning session and the purchase of Northern Alberta Section branded water bottles.

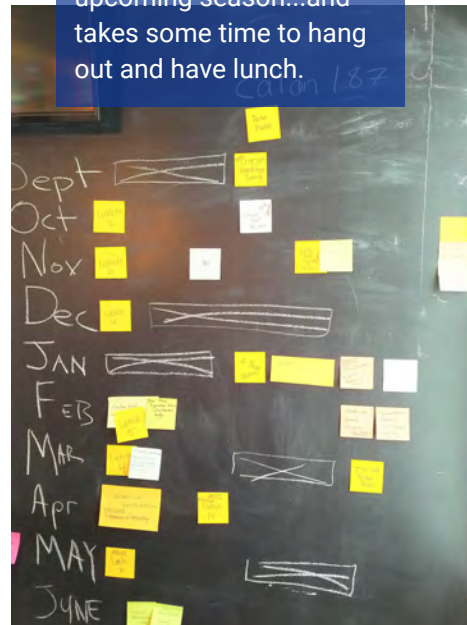


Planning for 19-20

Similar to the previous season, the Executive Committee hosted a planning session on July 13, 2019 to develop the Section's work plan for the 2019-2020 season. This session allowed Board Members to discuss our goals, decide on what activities to commit to, and identify a champion(s) who would lead each activity. This exercise provides the Board with a better understanding of the vision for the upcoming year and allows us to focus on execution.



The Board rolls up their sleeves and plans for the upcoming season...and takes some time to hang out and have lunch.



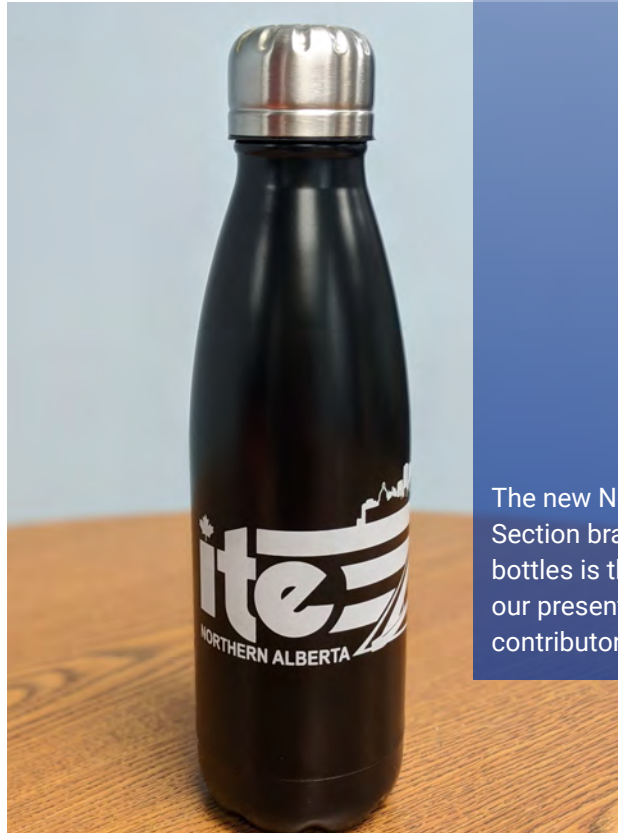
Communications

The Northern Alberta Section continued our communications approach from 2018 by sharing information with members through newsletters, Twitter (@na_cite) and quarterly updates in CITE's Transportation Talk. The newsletter currently has 260 subscribers with the Twitter account has 56 followers.



Speaker Gifts

Luncheon speakers and others who volunteer their time for Northern Alberta Section activities have traditionally received a token of our appreciation. Starting in fall 2019, we began a new tradition of giving branded water bottles to our speakers. Embossed with our new logo, the bottles recognize leaders in our community of transportation professionals.



The new Northern Alberta Section branded water bottles is the perfect gift for our presenters and contributors.



SECTION ACTIVITY

The Northern Alberta Section continues to hear from our Members about the value of the luncheons as they are the easiest way for our Members to connect with colleagues from industry. The Northern Alberta Section is also proud to host events such as discussions, tours and socials to provide a broader range of networking and professional development opportunities for Members.



Monthly Luncheons

In 2019, the Section hosted six luncheons plus co-hosted a luncheon with the Alberta Professional Planners Institute. The responsibility of planning the joint luncheon alternates between the two organizations; the 2019 joint luncheon was hosted by APPI. Each luncheon provides an opportunity for Members to reconnect during lunch and includes a 30-minute technical presentation followed by the opportunity to ask questions. The Northern Alberta Section would like to thank everybody that presented at one of our luncheons in 2019.

Continued from previous years, the Northern Alberta Section provides five free registrations at each luncheon for ITEUA members to ensure that students also have the opportunity to connect and network with our Members and the industry.

Date	Topic	Attendance
Feb 6	Building Walterdale Bridge	90
Mar 6	Edmonton's Transit Priorities Study	105
Apr 9	Joint Luncheon with the Alberta Professional Planners Institute: Edmonton's Smart Transportation Action Plan	
May 1	Electric Powered Mobility and Strategies	63
Oct 2	The Value of LiDAR in Transportation Projects	49
Nov 6	Smart Cities Challenge: A Tale of Two Cities	61
Dec 4	Calgary's +15 Network Study	41



Building Walterdale Bridge



Presentation by:

Rodney Peacock, ISL Engineering
Ryan Teplitsky, City of Edmonton

Edmonton's Walterdale Bridge was reaching the end of its service life. Planning, design and construction of the replacement bridge served as an opportunity to respect the historical significance of the site while providing the City with a new architectural and engineering signature. The result is not simply a bridge that carries traffic from Edmonton's south side to the downtown core – it is a place to gather, enjoy the magnificence of the North Saskatchewan River Valley, to reflect on the historical significance of the site and to be active. (Fun Fact: The bridge is also featured in our Section logo.)

Edmonton's Transit Priority Study



Presentation by:

Blair Smith, IBI Group

Edmonton's new Transit Strategy includes implementation of Transit Priority Measures in congested areas to improve service reliability and operating speeds. This project evaluated locations across the City for transit priority. A set of evaluation criteria and implementation considerations was applied in a workshop with City staff, resulting in a shortlist of priority locations. The current step (underway) is the development of the measures for the shortlisted locations.

Edmonton's Smart Transportation Action Plan



Presentation by:

Jenn Smyth, City of Edmonton
Howaida Hassan, City of Edmonton

The presentation was an opportunity to learn about the development of the Smart Transportation Action Plan adopted by the City of Edmonton in 2018 and other City initiatives, including the autonomous vehicle pilot and developing a Vision for Mobility as part of the City Plan. Implementation of the 35 actions outlined in the Smart Transportation Action Plan will guide the City in planning for emerging transportation technologies.



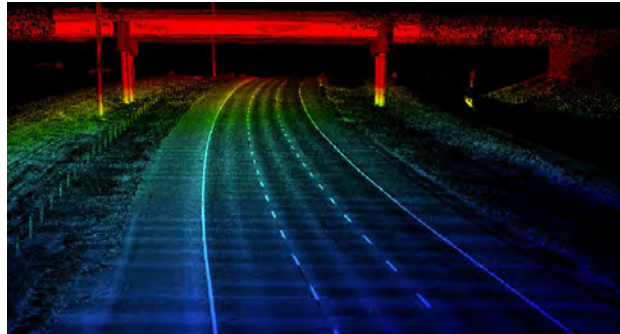
Electric Powered Mobility and Strategies



Presentation by:
Tim Shah, WATT Consulting Group

One of the fundamental elements of electric-powered mobility is the need for new types of infrastructure such as charging stations and policies related to their location, cost, and ownership. This presentation shared recent project work completed for the Capital Region District in Victoria, BC, and illustrates some of the leading-edge directions in EV infrastructure, including Edmonton's and Calgary's strategies for electrification of mobility. The presentation will also outline the key barriers to e-bike ownership and potential solutions.

The Value of LiDAR in Transportation Projects



Presentation by:
Suliman Gargoum, Nektar 3D Consulting

Suliman's presentation demonstrated the value of mobile LiDAR technology in improving the efficiency, accuracy, and cost-effectiveness of a variety of transportation projects. Whether it is functional planning studies, 3R/4R projects, or neighborhood renewal initiatives, this presentation will discuss how LiDAR technology could support the workflow of such projects by facilitating virtual assessments of existing infrastructure.

Smart Cities Challenge: A Tale of Two Cities



Presentation by:
Matt Colwill, IBI Group

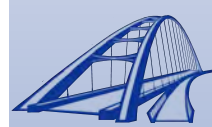
The Smart Cities Challenge was a federal pan-Canadian competition open to all municipalities. The Challenge empowered communities to adopt a smart cities approach to improve the lives of their residents through innovation, data and connected technology. This luncheon recounted the experiences and lessons learned from IBI's participation in Infrastructure Canada's Smart Cities Challenge, working with the teams from Edmonton and Vancouver/Surrey.

Calgary's +15 Network Study



Presentation by:
Irini Akhnoukh, McElhanney

Calgary's Plus 15 structure has expanded since the 1970s to include eighty-three structures covering over 18 km and is one of North America's most extensive pedestrian skywalk systems. The Plus 15 network serves multiple objectives, including decreasing pedestrian/vehicle conflicts, providing a climate controlled pedestrian space, improving access to downtown amenities, and encouraging further development in the downtown. The objective of the network study was to create a network plan that improves the current Plus 15 network and develop ways to expand and enhance the network.



Jenn Smyth and Howaida Hossain present to a full room at our joint luncheon with APPI



Blair Smith presents on Edmonton's Transit Priorities Measures Study





Panel Discussion on Parking

To kick off 2019, the Northern Alberta Section hosted a panel discussion on how to change parking on January 22. The signature event for the Northern Alberta Section featured a panel that included Councillor Mike Nickel (City of Edmonton), Mark Huberman (Bunt & Associates) and Chris Dulaba (Beljan Development) with facilitation by Shawn Bravender (City of Edmonton). The event was attended by 35 people.

Parking.
A Panel Discussion for How to Change Parking

Tuesday, January 22
6 PM Doors Open, 6:30 PM Program Starts

BIERA at **RITCHIE MARKET**
9570 76 Avenue NW, Edmonton

Tickets \$30* includes one drink and appetizers
register [here](#) or visit [nacite.org](#)

*for ITE Members, \$35 for Non-Members

panelists			facilitated by
 Coun. Mike Nickel Councillor - Ward 11 City of Edmonton	 Mark Huberman P.Eng. Bunt & Associates	 Chris Dulaba RPP, MCIP Beljan Development	 Shawn Bravender CP3, RPP, MCIP, C.E.T. City of Edmonton

Proudly hosted by **ite** with support from **APPI**



(Left to Right) Mark Huberman, Councillor Mike Nickel, Chris Dulaba and Shawn Bravender discuss how to change parking

During the hour-long discussion, the panel discussed questions such as: Is parking congestion good or bad? Should municipalities regulate how much parking is required for new development? How do we change the expectation of free parking? The panel discussion was very entertaining and the discussions afterwards amongst attendees seemed to be just as enjoyable. A special thanks to Mike, Mark, Chris, Shawn and everybody who joined us for making the event a true success!



Technical Tour: Universal Accessibility



Janice Gurlitz helps participants better understand the challenges that people with visual impairments may have in navigating our city streets

To wrap up the 2018-19 season, the Northern Alberta section hosted a lunch & learn + walking tour focused on universal accessibility on May 21. We started with a presentation about design and universal accessibility from Linnie Tse, Barrier Free Administrator with the Government of Alberta, and Janice Gurlitz, a certified Orientation and Mobility Specialist with Vision Loss Rehabilitation Alberta. Following the presentation, Linnie and Janice led a walking tour for 20 of our members highlighting good and poor design choices in Downtown Edmonton.



Technical Tour: Centre for Smart Transportation

On October 15, the Northern Alberta Section partnered with the University of Alberta's Centre for Smart Transportation (CST) to host a lunch & tour event. Dr. Tony Qui provided an overview of current research and projects at the CST. Afterwards, PhD students at the Centre led an indoor tour at the CST's Connected Vehicles Lab to demonstrate the connected vehicle test bed and device/apps application. The event was attended by 20 people representing both the public and private sectors.



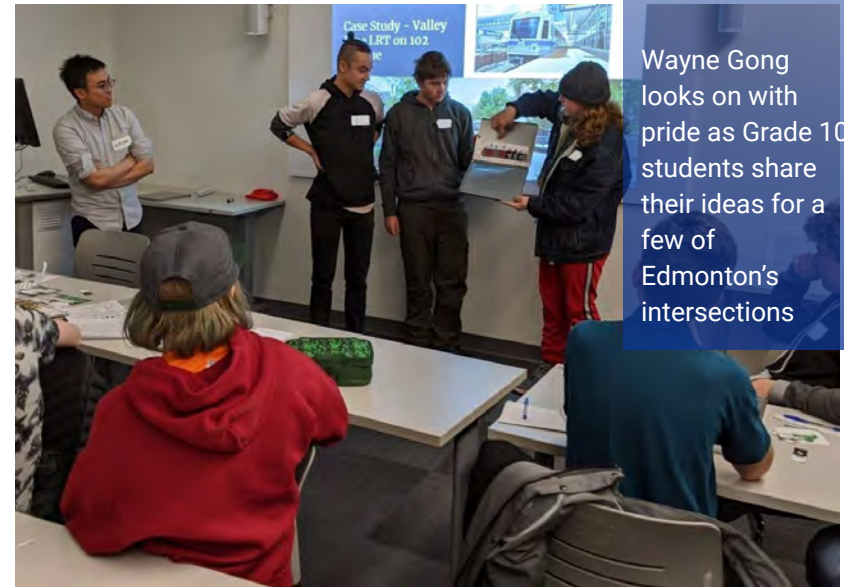
Presentation of ongoing research and projects at the U of A's Centre for Smart Transportation



Northern Alberta Section in the Classroom

The Northern Alberta Section partnered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA) on November 19 as part of their STEMester program. The program invited 12 Grade 10 students to downtown Edmonton to learn more about transportation engineering and planning. In teams, students used Synchro to evaluate intersection operations, enjoyed testing different geometric configurations and intersection control options, developed cross-section designs for a new LRT corridor within a limited right-of-way in downtown Edmonton, and presented their designs explaining modal priorities and trade-offs.

The event was a wonderful success and the Northern Alberta Section plans to continue working with APEGA to run more engaging classroom activities in the future.



Wayne Gong looks on with pride as Grade 10 students share their ideas for a few of Edmonton's intersections

Jan. 8, 2020
Dear Alyssa,
On behalf of the STEM committee, I'm writing to say "thank you!" to you and the others in your section for putting on the great STEM event last fall. I have no doubt that many of the high schoolers were inspired that day to consider a career in our great field. I'm so appreciative of what you do for ITE. Sincerely, Karen Aspelin, STEM comm. vice chair



Year-End Transportation Practitioners Social

Councillor Andrew Knack helped celebrate 2019 by sharing his thoughts on Edmonton's transportation projects and how the city will continue to grow



On November 21, the Northern Alberta Section hosted a transportation practitioners social, including members of the University of Alberta ITE Student Chapter and Alberta Professional Planners Institute. The evening featured Councillor Andrew Knack who spoke about Edmonton's ongoing and upcoming transportation projects.



Supporting University of Alberta Student Chapter



The University of Alberta Student Chapter, ITEUA, continues to grow their program and reach on campus. The dedication and effort put forward by their Executive Committee Members to continue building a sustainable Chapter is quite an achievement and the Northern Alberta Section and Board is very proud to support their efforts.

A few examples of how we support the student chapter include:

ITEUA Student Presentation Competition

The Northern Alberta Section congratulates ITEUA on the success of their First Annual Student Presentation Competition held on January 25. The event featured seven presentations from undergrad and master students and PHD candidates. And a big thanks to the judges from industry: Howaida Hassan (City of Edmonton), Dean Cooper (WATT Consulting Group) and Zheng Luo (IBI Group).

Student-Industry Mixer

ITEUA hosted their annual student-industry mixer on March 14. The mixer provides an opportunity for students to engage with industry representatives to learn more about the opportunities (and challenges) of working in transportation engineering and planning. The Northern Alberta Section supported this event by helping connect ITEUA with potential sponsors and having representatives on-hand to discuss the benefits of becoming an ITE member.





Mentorship Program

The ITEUA mentorship program returned for a fourth year. The Section supports ITEUA by connecting industry with this program and helping recruit mentors. This year's program ran during the winter semester instead of the summer to make the program more accessible to mentors and mentees.

2019 CITE Traffic Bowl Champions!

Every year the CITE conference includes a Traffic Bowl -- a jeopardy-style trivia contest in which student chapters compete for an opportunity to be named Canadian Traffic Bowl champs. This year ITEUA emerged victorious, earning the University of Alberta's first Traffic Bowl title.

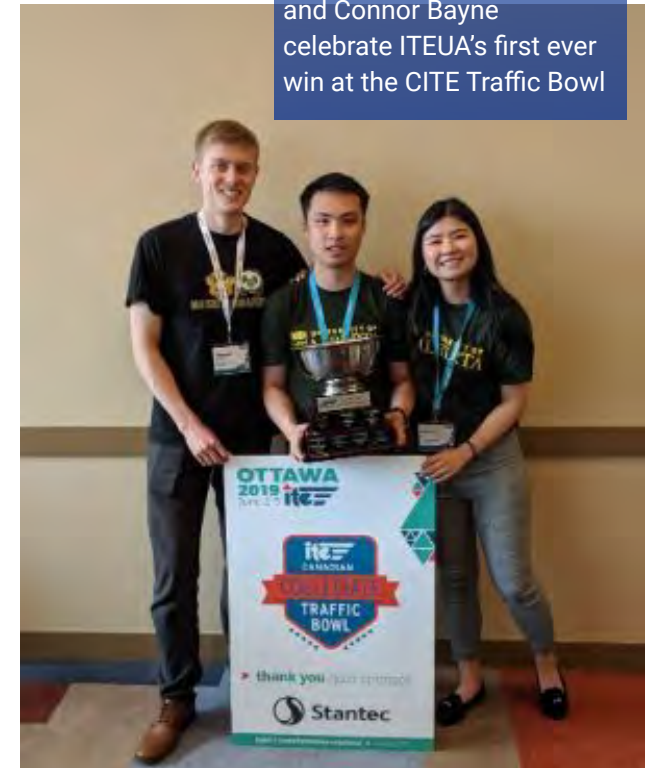
With the championship came an opportunity to represent CITE at the 2019 ITE Traffic Bowl in Austin, Texas.

The Northern Alberta section proudly supported the team by covering some travel and accommodation costs and helping find other industry sponsors. Congrats to Bryan Tran, Cai Lin Yang and Connor Bayne for their amazing efforts and making the Northern Alberta Section proud.

ITEUA Recognized at 2019 CITE Ottawa

As if winning the 2019 CITE Traffic Bowl was not enough, CITE also recognized the efforts and contributions of ITEUA. At the awards luncheon, Laura Cabral, ITEUA president, was awarded the John Vardon Memorial Scholarship and then, to cap it all off, CITE awarded ITEUA with the Student Chapter Activity Award recognizing outstanding accomplishments by the student chapter. The Northern Alberta Section is very proud of the accomplishments of ITEUA!

Bryan Tran, Cai Lin Yang and Connor Bayne celebrate ITEUA's first ever win at the CITE Traffic Bowl





FINANCIAL REPORTING

The following is a summary of the Northern Alberta Section's 2019 Statement of Accounts from January 1 to December 31.



2019 Statement of Accounts

Balance of funds the beginning of the reporting period: \$36,693.62

Bank Account - BMO \$23,393.19

Bank Account - Servus \$9,996.00

Paypal \$3,304.43

Income for the reporting period: \$21,880.97

Luncheons \$14,142.54

Parking Panel Event \$1,079.06

Fall 2019 Technical Tour \$403.55

2019 Year End Social \$371.38

Section Sponsorship \$4,146.10

ITE International and District Support \$1,738.34

Notes:

1. All transactions are shown net of credit card processing fees where applicable.



2019 Statement of Accounts (continued)

Expenditures for the reporting period:	\$23,572.04
Luncheons	\$14,419.41
2019 Year End Social	\$367.50
2018 Year End Social	\$745.00
Fall 2019 Technical Tour	\$443.00
Parking Panel Event	\$1,947.71
Board Meetings	\$617.29
Executive Travel to 2019 CITE Conference	\$750.00
2018 CITE Conference Appreciation Dinner	\$1,002.42
ITEUA Support	\$1,525.00
Administration	\$1,754.71
Net Income / Loss	-\$1,691.07
Balance of funds at the end of the reporting period:	\$35,002.55
Bank Account - Servus	\$35,002.55

Notes:

1. Our bank account moved from BMO to Servus in 2019. Due to this change some late 2018 expenses were not recognized until 2019.
2. ITEUA Support includes \$1,000 for the Traffic Bowl team to travel to the ITE International Conference.
3. Administrative costs were higher this year as we bought a new projector and placed a large order of water bottles for speaker gifts.



CLOSING

Through the continued support of our Sponsors, the Northern Alberta Section takes great pride in engaging our members through luncheons, presentations, technical tours, and other networking events. It is through these events that we get to connect with the industry and colleagues to develop meaningful relationships.

The Northern Alberta Section is proud to serve a significant role in developing and growing a community of transportation professionals in Edmonton and Northern Alberta.