



Canadian Institute of Transportation Engineers Atlantic Provinces Section 2017 Annual Report

SECTION EXECUTIVE

January 1, 2017 to December 31, 2017:

President: Roddy MacIntyre, P.Eng., Halifax Regional Municipality

Vice-President: Mike Connors, P.Eng., Halifax Regional Municipality

Secretary / Treasurer: Tanya Davis, P.Eng., Halifax Regional Municipality

MEMBERSHIP

Total Members: 86

FINANCIAL STATEMENT

2016-2017 Financial Statement

Income Statement	2014-15	2015-16	2016-17
Total Income	11,631.74	8,052.42	7,270.00
Total Expenses	4,613.37	7,895.95	7,245.97
Net Income	7,018.37	156.47	24.03
Account Statement	2014-15	2015-16	2016-17
Beginning Balance	6,911.75	13,930.12	14,086.59
Cash inflow	11,631.74	8,052.42	7,270.00
Cash outflow	4,613.37	7,895.95	7,245.97
Ending cash balance Sept. 30	13,930.12	14,086.59	14,110.62

Notes: - Year is from November 1, 2016 to October 31, 2017

Prepared November 14, 2017

Mike Connors (on behalf of Tanya Davis)

SPRING ANNUAL MEETING SUMMARY

The Atlantic Provinces Section held our annual spring technical session on May 25th in Halifax. There were over 70 attendees, including 22 students from both Dalhousie and UNB, making this one of our most successful sessions ever. We were also very pleased to have Canadian District President Jen Malzer join us to take part in the session.

The program was very diverse and covered topics including road safety, pedestrians, transit, integrated modes and connected vehicles. Our students were also very involved in the program, presenting two research projects and hosting a poster session showcasing over half a dozen of their projects.

New for this year, we held a pub night the evening before the session. Sponsored by exp., the aim was to get members together in an informal setting to chat, share a pint, and make some connections that are sometimes difficult given the geographical separation among our membership. The event was very well received and about 30 members came out.

The entire event was a success and we couldn't have done it without the support of our sponsors: exp., Harbourside Transportation Consultants, Crandall Engineering Consultants, CBCL, WSP, Nova Scotia Transportation & Infrastructure Renewal and Halifax Regional Municipality.

FALL ANNUAL MEETING SUMMARY

The Atlantic Provinces Section partnered with ITS Canada to host a workshop as part of our annual fall technical session on November 16th in Fredericton. The session was presented as more of a workshop format centred around the theme "Integrated Mobility in Smart Cities" and included technical and vendor presentations as well as a discussion panel. This format was a departure from our typical session, but proved to be a popular event. Also new for this session, thanks to the support and efforts of ITS Canada, we attracted some industry vendors that provided our members with the opportunity to see some of the technology out there, ask questions and make some industry connections. There were over 65 in attendance, including 16 students from UNB, making this our most successful fall session of the past few years.

Following on the success of the pub night held during the spring session, we held a similar event for the fall session. Once again, exp. provided sponsorship of the event to help us get members together in an informal setting to chat, share a pint, and make some connections. This event proved to be a welcome addition to our calendar with about 25 members coming out for the evening.

The entire event was very well received, thanks to our partner ITS Canada, the support of our sponsors: exp., Crandall Engineering Consultants, Dillon Consulting, Campbell Scientific and vendors: GGI Road & Traffic, Electromega and Fortran.

CURRENT ACTIVITIES

The Executive are currently busy planning the upcoming annual spring meeting in Halifax. Once again, we are building on partnerships and working with IMSA Atlantic to deliver a joint session to provide an expanded session complete with vendor tradeshow.

FOCUS FOR 2018

For 2018, the Section Executive are focusing on the following areas:

1. Investigating the potential for a student chapter at Dalhousie University.
2. Preparation for fall elections. Roddy will be moving on to past president as he reaches the end of his two-year term. Mike will move up to President and Tanya to Vice President. Nominations for Secretary/Treasurer will be sought.
3. Exploring potential training opportunities as a mechanism to increase revenue for the section, and enhance the exposure of ITE to the transportation engineering and planning community.

Roddy MacIntyre, P. Eng.

President - ITE Atlantic Provinces Section (902) 490-8425

macintr@halifax.ca March 31, 2018

CITE Atlantic Provinces Section 2017 Spring Meeting

Halifax, NS

Thursday, May 25, 2017

Location: Halifax Convention Centre
1800 Argyle Street, Halifax, NS

Registration: \$50 - Technical session only (free for students)

Please note that payment will be accepted in cash or cheque only.

Meeting Sponsors:



Technical Program		
8:30 am	<i>Registration / Breakfast</i>	
8:45 am	Opening remarks, Section Update, CITE National Update	Roddy MacIntyre CITE Atlantic Provinces Section President Jen Malzer Canadian District President
9:00 am	Calgary's Pedestrian Strategy	Jen Malzer
9:25 am	Small Town and Rural Multi-Modal Network Guide (with a touch of green)	Kate Whitfield Alta Planning & Design
9:50 am	Evacuation of Halifax Peninsula: A Dynamic Microsimulation Modelling of Halifax Peninsula	Dr. Ahsan Habib DalTrac
10:15 am	<i>Coffee Break</i>	
10:30 am	Connected Vehicles – the challenges and the path to deployment	Vikas Manocha Econolite Canada Inc.
11:00am	Integrated Mobility Plan Update	Rod McPhail Halifax Regional Municipality
11:30 am	Results of the Agent-based Integrated Urban Systems model for Halifax	Mahmudur Rahman Fatmi DalTrac
12:00 pm	<i>Lunch (on your own)</i>	
1:30 pm	Quantitative Road Safety Assessment of Staging Options for the Rehabilitation of a Complex Interchange	Damir Bjelica WSP Canada Inc.
2:00 pm	Ring Road Roundabout Corridor	Ryan Esligar Crandall Engineering Ltd.
2:30 pm	<i>Coffee Break</i>	
2:45 pm	Moving Forward Together Plan	Erin Blay Halifax Transit
3:15 pm	Nova Scotia Highway Tolling Study	Audrey Muir CBCL Limited
3:45 pm	Modelling Representative Time-Use Behaviour for Halifax	Mohammad Hesam Hafezi/Naznin Sultana Daisy Department of Civil and Resource Engineering
4:15pm	Closing Remarks	Roddy MacIntyre CITE Atlantic Provinces Section President

Please join us for an evening social the evening before, on **Wednesday, May 24th (7-10PM)**. It will be held at Durty Nelly's (1645 Argyle Street). Pre-registration is not required; however, we would appreciate an RSVP if you plan to attend so that we can estimate attendance. Please contact Tanya Davis at: davist@halifax.ca.

On behalf of your CITE Atlantic Provinces Section Executive:

Roddy MacIntyre, President
Mike Connors, Vice President
Tanya Davis, Secretary/Treasurer
Michael MacDonald, Past President

Canadian Institute of Transportation Engineers (CITE) Annual Spring Meeting
May 25, 2017
DalTRAC Poster List

Alam, M.J. and Habib, M.A. (2017) "Risk Assessment and Traffic Impact Microsimulation for a Suspension Bridge Re-Construction Project", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Alam, M.J. and Habib, M.A. (2017). "Cumulative Prospect Theory-Based Departure Time Choice Modeling for Dynamic Traffic Microsimulation", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Cheng, H., Habib, M.A., Wang, B. and Grant, J. (2017). "Spatial Evolution of Neighborhood in Shanghai, China: Assessment of Urban Form and Street Network", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Fatmi, M.R. and Habib, M.A. (2017). "Microsimulation of Vehicle Transaction Decisions Within an integrated Urban Modeling Framework", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Fatmi, M.R. and Habib, M.A. (2017). "Development of Prototype Integrated Urban Model: Microsimulation of Life-Stage Transitions and Residential Location Transitions", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Jamal, S. and Habib, M.A. (2017). "Smartphone and Mobility: How Use of Smartphone Applications Affects Travel Decisions", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Jamal, S. and Habib, M.A. (2017). "Mobile ICT and Travel: Does Dependency on Smartphone Applications Stimulate Social Trips?", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Jamal, S., Habib, M.A. and Khan, N.A. (2017). "Impact of Smartphone Use on Vehicle Kilometers Traveled: Latent Class Logit Modeling Approach", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.

Khan, N.A. and Habib, M.A. (2017). "Who Do You Travel with and What Type of Vehicle Do You Get? Modeling Choice of Vehicle Type for Travel", Peer-reviewed proceedings of the 96th Annual Meetings of Transportation Research Board (TRB), Washington D.C. January 08-12.



**ITS Canada and ITE Atlantic Provinces Section November 16, 2017 Workshop
“Integrated Mobility in Smart Cities”**

AGENDA

7:15 – 8:00	Exhibitor Set-up	
8:00 – 8:30	Registration and Light Breakfast, sponsored by Crandall Engineering	
8:30 – 8:40	Introductory Remarks	Michael Bailey, ITS Canada Roddy MacIntyre, ITE Atlantic Provinces Section
Session 1	Integrated Mobility in Smart Cities – Theme Session	
8:40 – 9:20	Demanding Change / Changing Demand	Adam Lanigan, Dillon Consulting
9:20 – 10:00	An example of Integrated Mobility in the Maritimes	Mike Connors, Halifax Regional Municipality
10:00 – 10:15	Coffee, Networking and Exhibition – sponsored by Dillon Consulting featuring exhibitors GGI Road & Traffic, Electromega	
10:15 – 11:00	Are smaller and mid-sized cities well-positioned to take advantage of latest ITS developments? A New Brunswick perspective	Dr. Trevor Hansen, UNB
11:00 – 11:30	Advancements in Traffic Management and Control	Brian Antila, Electromega
11:30 – 12:00	Variable Message Sign Strategy for New Brunswick	Peter Allaby, Crandall Engineering
12:00 – 1:00	Lunch – Sponsored by Campbell Scientific	
Session 2	Technology Advancements for Integrated Mobility in Smart Cities – industry Presentations	
1:00 – 1:45	Big Data for Smart Mobility	Dr. Monica Wachowicz, UNB
1:45 – 2:00	How can municipalities and regional transit authorities use Geospatial technology for integrated mobility planning	Arif Rafiq, ESRI Canada
2:00 – 2:15	Road Weather System test in Quebec and Ontario	Mike Burton, Campbell Scientific
2:15 – 2:30	Unlocking intelligent communities with connected lighting and beyond	Nishit Shah, Philips Lighting



<i>Session 3</i>	Panel Discussion	
2::30 – 3:30	Integrated Mobility in Smart Cities Panel	Moderator Chris Philp Participants: David McCusker, HRM Eric Hildebrand, UNB Michael Bailey Adam Lanigan, Dillon Simon Bush, OPUS International
3:30 – 3:45	Concluding Remarks	Chris Philp, ITS Canada Roddy MacIntyre, ITE Atlantic Provinces Section
3:45 – 4:30	Coffee, Networking and Exhibition – sponsored by Dillon Consulting featuring exhibitors GGI Road & Traffic, Electromega	
3:45	ITE Atlantic Province Section Annual Business Meeting	Roddy MacIntyre