



*Supporting the Education and Development of
Tomorrow's Transportation Professionals*

Year in Review

As of July 31, 2018



Strategic Priorities

Fundraising / Donors

Since it was established in 2003, \$2.9 million in donations has been received by the Transportation Association of Canada (TAC) Foundation, and another \$300,000 is committed for future years, meaning **that the Foundation's past and future commitments have exceeded \$3.2 million!**

The Foundation continues to operate successfully at a consistent and stable level of funding thanks to contributions and long-term financial commitments from many donors. The Foundation receives support from governments, private sector companies and individuals. Nonetheless, it is crucial for the Foundation to continually devote time and effort to seeking new supporters while maintaining its donor base. The Board of Directors leads in this responsibility. Five donors renewed their involvement with the Foundation in 2018. They are:

- 407 ETR with a commitment of \$27,500; \$5,500 per year for five years in support of a named university scholarship.
- Al-Terra Engineering with a commitment of \$3000; \$1000 per year for three years in support of general Foundation operations and programs.
- Golder with a commitment of \$16,500; \$5,500 per year for three years in support of a named university scholarship.
- Metrolinx recommitted \$9,000; \$3,000 per year for three years in support of general Foundation operations and programs.
- SNC-Lavalin committed \$27,500; \$5,500 per year for five years in support of a named university scholarship.

Most of Canada's provincial and territorial departments of transportation, as well as Transport Canada and the Regional Municipality of Halifax, remain committed to supporting the TAC Foundation through annual contributions that help support the

Foundations operations and programs. The Board of Directors will continue to nurture its relationship with all of these jurisdictions, and to communicate the value it brings in supporting students in transportation-related programs of study.

At the 2017 TAC Conference & Exhibition in St. John's, part of Tuesday's lunch program was dedicated to featuring the TAC Foundation's activities. This included highlighting the ongoing success of the scholarship program, and providing onscreen recognition to donors. Once again, TAC Foundation donors, key volunteers and scholarship recipients present at the event were seated at VIP tables at the lunch in recognition of their support and achievements.

Marketing Study and Communication Plan

In late 2017 the Foundation's Board of Directors approved funding to hire a consultant to undertake a marketing study and communication plan. The project was conducted in early 2018 and the final presentation was delivered to the Board in April.

The consulting firm suggested that the Foundation **work to more actively engage students through in-person, hack-a-thon-style events.** This type of active engagement was seen to be more appealing and meaningful to students, and may also provide more tangible benefits to Foundation donors and partners. Read more in the Programs section of this report.

Although the Foundation plans to retain its scholarship and other programs, the Board has embraced the report's recommendation to actively engage students and corporate stakeholders through in-person events.

The Board has also taken seriously the need to allocate some funds to help support new and high-yield initiatives that reach out to students to promote both transportation as a career choice and the Foundation's programs as a means toward that career.

TAC Foundation Hires New Executive Director

2018 saw a changing of the guard at the Transportation Association of Canada (TAC) Foundation. **Brian Henderson**, the Foundation's Executive Director since its inception in 2003, announced in fall of 2017 that he would retire at the end of the year.

The search for a new executive director was initiated in late fall 2017, and resulted in a number of highly-qualified candidates.

Raymond J. Mantha was announced as the successful candidate, and began his tenure as the Foundation's Executive Director on February 1. Ray's background includes long-term employment with the Ontario Government, including as Executive Director of Provincial Highways Management with the Ontario Ministry of Transportation. Ray is a former TAC Board member and President.

Programs

'TACathon'

Recognizing that the industry must now attract multi-disciplinary skill sets to encourage integrated transportation solutions, such as transit mobility, the TAC Foundation is making a concerted effort to attract a more diverse range of university and college students to careers in transport.

As part of its active recruiting strategy, the TAC Foundation is in the early stages of organizing a **hack-a-thon inspired event, or 'TACathon'**.

The proposed 'TACathon' is envisioned as a **48 hour problem-solving competition where multi-disciplinary teams of civil engineering, ICT, urban planning, and social science students are challenged to address a real-world transportation issue.** Students would be invited to pitch projects or technology solutions to a transport issue that resonates with commuters and community members.

The Foundation's goal is to host an event in January 2019 that provides a highly interactive environment for sponsors to engage with potential future transportation professionals. Details and partnerships for the TACathon are being confirmed, and a final decision regarding the event's timing will be made in fall 2018.

Scholarships

Since 2005, the Foundation's scholarship program has awarded 518 scholarships valued at \$2.1 million to students at the graduate, undergraduate (university and college) and entrance level in transportation-related disciplines.

This year 24 scholarships valued at \$111,000 are being awarded directly through the Foundation. The review of the applications that met the eligibility criteria was coordinated by Dr. Xiomara Sanchez, Assistant Professor, Department of Civil Engineering and D. C. Campbell Chair in Highway Construction and Pavement Research at the University of New Brunswick. The 24 recipients, plus a number of other high-ranking applicants, will again benefit from the Employment Connections component of the program when, later this fall, information about their future employment interests and career ambitions will be shared with the TAC Foundation's major donors.

The program launched in 2015 in partnership with the Norman Esch Foundation continued with the University of Windsor, which awards five (5) annual scholarships of \$5,000 each to undergraduates. Half of these funds are provided by the TAC and Esch Foundations, and the remaining half is contributed by the University of Windsor. Recipients of these awards are selected by the university directly.

Therefore in 2018, 29 scholarships are being awarded internally and externally, with \$136,000 provided by the TAC Foundation.

Promoting Internships

In 2018 the Foundation built on a successful 2017 pilot program to promote paid summer internships offering on-the-job training at transportation employers across Canada. **Six participating companies paid a service fee to the Foundation who advertised the positions, collected and passed along the eligible applications.** In all, 111 applications were received from a pool of 37 unique applicants. These companies managed the selection and hiring process independently. The Foundation believes that offering the opportunity to apply for these internship positions enhances the value and reach of the Foundation and its other programs with students.

Student Activities Fund

Five thousand dollars was allocated to the Student Activities Fund in 2018, to support those participating in extracurricular activities like field trips or educational experiences, or to purchase infrastructure or equipment that support their studies in transportation-related disciplines. These funds supported applications from:

- The Institute of Transportation Engineers (ITE) McMaster Student Chapter to host a guest speaker event featuring a heavy rail project.
- The MOMENTUM Conference at the University of Saskatchewan
- Le Club scientifique Pont d'acier Hercule de l'École de technologie supérieure to help with material costs and transportation and accommodation at national and international competitions.

TRAC Program

The Foundation continues to hold interest in the TRAC Program, a hands-on learning program designed to engage high school students with a potential interest in transportation and civil engineering. Funding to purchase the modules and hire facilitators to run the program is being sought.

Financial Highlights

As noted in the Fundraising section, \$3.2 million has either been received by or committed to TAC Foundation programs, past and future. \$2.1 million of the \$2.9 million received has been paid out in the form of scholarships, equaling 72% of all funds received that have directly reached the hands of tomorrow's transportation professionals in the form of awards.

The TAC Foundation works annually on a break-even basis for its operational expenses. The 2017 audited financial statements can be found online at www.tac-foundation.ca.

Donors

Thanks to TAC Foundation donors, past and present, for helping the Foundation to raise more than \$3.2 million to date! Assignment to the donor categories below reflects cumulative and/or future commitments to the dollar values listed.

Platinum – \$50,000 or more

3M Canada Company*
407 ETR*
Alberta Transportation*
Canadian Council of Independent Laboratories (CCIL)*
Canadian Council of Motor Transport Administrators*
Dr. Ralph Haas*
Esch Foundation*
Golder Associates Ltd.*
HDR Corporation*
IBI Group*
ISL Engineering and Land Services Ltd.*
Ministère des Transports, Mobilité durable et l'Électrification des transports du Québec*
Ministry of Transportation, Ontario*
SNC-Lavalin Inc.*
Stantec Consulting Ltd.*
Tetra Tech Canada*
Transport Canada*
Transportation Association of Canada*

Gold – \$25,000 or more

ATS Traffic*
CIMA+*
EllisDon Corporation, Civil Division
Halifax Regional Municipality*
Manitoba Infrastructure and Transportation*
Morrison Hershfield*
New Brunswick Transportation and Infrastructure*
Newfoundland and Labrador Transportation and Works*
Nova Scotia Department of Transportation & Infrastructure Renewal*
Saskatchewan Highways and Infrastructure*
WSP*

Silver – \$15,000 or more

Colas Canada
Guild Electric Ltd.
Metrolinx
P.E.I. Department of Transportation and Infrastructure Renewal
Transoft Solutions

Bronze – \$1,000 or more

Al-Terra Engineering (Edmonton) Ltd.
Government of the Northwest Territories, Department of Transportation
The Miller Group
MORR Transportation Consulting
Powell Contracting Ltd.

Leadership

Board of Directors

Jean-François Barsoum, IBM
Gerry Chaput, Metrolinx
Carl Clayton, IBI Group
Stephen Damp, EllisDon Corporation, Civil Division
Ryan Essex, The Miller Group
Keith S. Foster, Englobe
Jean-François Gysel, SNC-Lavalin Inc.
Brian D. Henderson, TAC Foundation
Vimy Henderson, Golder
Anne-Marie Leclerc, Ministère des Transports, Mobilité durable et l'Électrification des transports du Québec
Ana Lopez, British Columbia Institute of Technology
Ray Mantha, TAC Foundation
Susan Tighe, University of Waterloo
Rob Wanless, WSP Canada
Jim Weir, Morrison Hershfield Limited
Sarah Wells, Transportation Association of Canada

Officers

President – Stephen Damp
Vice President – Gerry Chaput
Past President – Carl Clayton
Executive Director – Ray Mantha
Secretary/Treasurer – Erica Andersen

Committee Leaders

Marketing/Communications – Jean-François Gysel
Fundraising – Stephen Damp
Student Outreach – Keith Foster
Scholarships – Xiomara Sanchez
TACathon – Jean-François Barsoum and Jean-François Gysel

Scholarship Recipients

Mohamed Essa

PhD in Transportation Engineering
University of British Columbia
\$6000 – Esch Foundation

Dariusz Wodala

Civil Engineering and Management
McMaster University
\$6000 – Esch Foundation

Chandler White

Bachelor of Applied Science in Civil Engineering
University of British Columbia
\$5000 – 407 ETR

Maryam Ghaffari Dolama

PhD in Transportation Engineering
University of Manitoba
\$5000 – ATS Traffic

Alexandre Rodrigue

Doctorat en sciences de la terre – profil
géomatériaux (béton)
Université Laval
\$5000 – Canadian Council of Independent
Laboratories

Grace Yip

Bachelor of Civil Engineering
Ryerson University
\$5000 – CCMTA Road Safety

Francis Marleau Donais

Doctorat en aménagement du territoire et
développement régional
Université Laval
\$5000 – CIMA+

Samuel Petitclerc

Maîtrise avec mémoire en génie civil
Université Laval
\$5000 – Dr. Ralph Haas

Paul Newcombe

Bachelor of Civil Engineering
Carleton University
\$5000 – EllisDon Corporation,
Civil Division

Alex Place

Bachelor of Civil Engineering
Dalhousie University
\$5000 – Golder Associates Ltd.

Abby Scaletta

Master of Science in Civil Engineering
(Transportation Engineering)
University of Manitoba
\$5000 – Guild Electric Ltd.

Laurent-David Beaulieu

Doctorat en génie civil, spécialisation transports
École Polytechnique de Montréal
\$5000 – HDR Corporation

Hosam Sennah

Bachelor of Civil Engineering
Ryerson University
\$5000 – Morrison Hershfield Limited

Ali Farhan

PhD in Transportation Engineering
University of Calgary
\$5000 – SNC-Lavalin

Simon Lepage

Maîtrise en génie civil, programme de transport
École Polytechnique de Montréal
\$5000 – Stantec Consulting, in recognition of
Dr. Frank Meyer

Jason Hawkins

Doctorate of Civil Engineering
University of Toronto
\$5000 – Stantec Consulting, in recognition of
Dr. Ralph Haas

Yesi Zhang

Bachelor of Science in Civil Engineering
University of Alberta
\$5000 – Tetra Tech Canada

Quinton Velcic

Bachelor of Applied Science in
Civil Engineering Co-op
University of Windsor
\$5000 – WSP Canada

Phillip Marando

Bachelor of Civil Engineering
York University
\$4500 – 3M Canada, Bob Margison Memorial

Harry Ao Cai

Bachelor of Civil Engineering
McGill University
\$4500 – IBI Group

Matthew Lefebvre

Civil Engineering Technology
Camosun College
\$2500 – Colas Canada

Nolan Mitchell

Civil Engineering Technology
Camosun College
\$2500 – Colas Canada

Jack Ready

Transportation Engineering Technology
Mohawk College
\$2500 – Powell Contracting Ltd.

Alec Page

Civil Engineering Technology
Camosun College
\$2500 – The Miller Group



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