



Transportation Association of Canada

2021 AWARDS

Recognizing our peers



Each year, TAC members recognize their peers with a number of prestigious awards.

Technical Achievement Awards

Recognizing TAC member organizations

- ▶ TAC Educational Achievement Award
- ▶ TAC Environmental Achievement Award
- ▶ TAC Road Safety Engineering Award
- ▶ TAC Sustainable Mobility Award

Volunteer Contribution Awards

Recognizing volunteers on TAC councils & committees

- ▶ TAC Distinguished Service Award
- ▶ TAC Leadership Award
- ▶ TAC Individual Contribution Award
- ▶ TAC Committee Excellence Award

Young Professional Awards

Recognizing emerging members of the transportation profession

- ▶ TAC Young Transportation Professional Award
- ▶ Allan Widger Consulting Corporation Grant for Young Geotechnical Engineers in Transportation

Other Acknowledgements

Recognizing volunteers on TAC councils & committees

- ▶ Outgoing Chairs
- ▶ Outgoing Board Members

TAC couldn't achieve its mission without the expertise & leadership of our 800 dedicated volunteers.

Technical Achievement

TAC Educational Achievement Award

This award recognizes a TAC member organization for outstanding contributions in education and/or training through an in-house or external program.

Insurance Corporation of British Columbia

In partnership with McElhanney

Roundabout Workshop



Modern roundabouts are a proven road safety tool that can require substantial incremental resources for design, outreach and construction. To encourage municipal staff to consider implementing roundabouts, the Insurance Corporation of British

Columbia (ICBC) Road Improvement Program has developed a Roundabout Workshop.

From 2017 to 2019, ICBC and its consultant McElhanney delivered seven free half-day workshops for municipal engineers from 38 municipalities across British Columbia. The workshops allow municipal staff to better understand roundabout benefits and constraints, and to more effectively engage with municipal decision makers and stakeholders. They especially benefit smaller municipalities that may lack specialized engineering resources.

Participants are guided through roundabout topics including design fundamentals, vulnerable road user safety, signs and pavement markings, reviewing proposed designs, and a hands-on case study.



TAC Environmental Achievement Award

This award recognizes a TAC member organization for outstanding contributions to the environment with respect to transportation services.

Stantec Consulting

In partnership with the Ontario Ministry of Transportation and the Ontario Ministry of Environment, Conservation and Parks

Stormwater Management Pond Sediment Beneficial Reuse Pilot Project



In 2019, a Highway 401 widening project by the Ontario Ministry of Transportation of Ontario

(MTO) in Mississauga, Ontario required the removal of 15,000 cubic metres of sediment from a stormwater management pond. Sediment analysis found elevated petroleum hydrocarbons, polyaromatic hydrocarbons, sodium adsorption ratio, and electrical conductivity – however, Stantec’s weight-of-evidence forensics approach identified the dominant hydrocarbon sources as low-risk road asphalt and tire particles, with additional road salt contamination.

This information was used to develop a closed-loop approach for the beneficial reuse of road runoff-contaminated sediments on MTO highway land, avoiding the need to spend \$3.3 million for landfill disposal of the sediment. The Ontario Ministry of Environment, Conservation and Parks approved the reuse of more than 1,000 truckloads of non-inert sediment at six MTO recipient sites. The sediment was spread in bermed areas and allowed to dry over several months, then covered with stockpiled native topsoil and a standard grass mix. This initiative saved money, conserved landfill space, and helped protect neighbouring properties from the visual and noise impacts of highway traffic.



Technical Achievement

TAC Road Safety Engineering Award

This award recognizes a TAC member organization for an outstanding road safety engineering initiative that has contributed to improved safety on Canadian roadways.

City of Hamilton

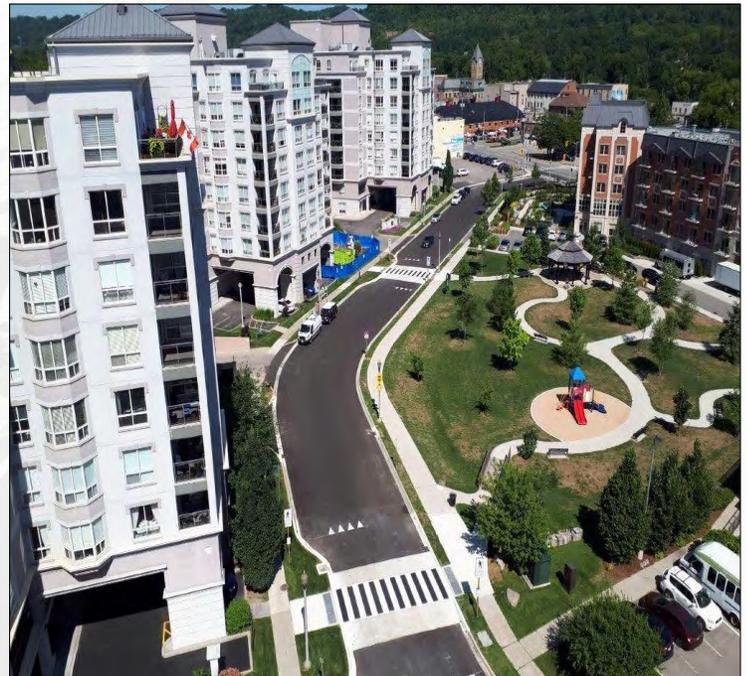
Vision Zero Action Plan

To build on its recent success in reducing fatal and injury collisions, the City of Hamilton developed a Vision Zero Action Plan 2019-2025 with 51 action items.

Over the last two years, the City upgraded its collision database and analytics to identify problem locations, developed an automated annual report function that saved five months of staff time, and created a Vision Zero Dashboard that uses open data to share collision information with the public.

The City identified five priority safety projects based on a network screening of 21 locations, and piloted digital monitoring of vulnerable road user safety at 10 key intersections. It launched a neighbourhood speed limit reduction program, developed a new traffic calming policy, installed automated speed enforcement cameras, and delivered monthly safety education campaigns.

Hamilton Police Services created a new, dedicated 20-person Traffic Safety Unit, and the City expanded its Road Safety Committee to better engage with key stakeholders.



Technical Achievement

TAC Sustainable Mobility Award

This award recognizes a TAC member organization for excellence in the delivery of mobility services.

City of Hamilton

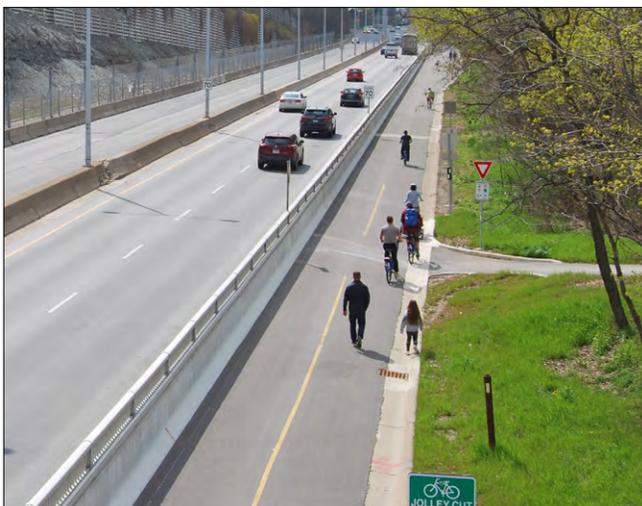
In partnership with Dillon Consulting

Keddy Access Trail

Hamilton's new 2.7-kilometre Keddy Access Trail is a high-quality active transportation connection between the Lower City and Mountain communities, spanning an elevation difference of more than 100 metres that previously could only be navigated by advanced cyclists.

This functional and attractive multimodal route was created by repurposing a travel lane on one of the city's busiest mountain access corridors, and now bridges a geographic and socio-economic divide. It provides more equitable travel choices to all, and full accessibility to people with mobility challenges. Its connections to different neighbourhoods allow recreational users to access the trail for daily physical activity.

This signature project is also becoming a regional destination, and is expected to have a transformational impact by accelerating the development of Hamilton's active transportation network.



Urban Systems

In partnership with the Federation of Canadian Municipalities

COVID-19 Street Rebalancing Guide

Mobility patterns changed suddenly at the onset of the COVID-19 pandemic, with a dramatic increase in active transportation demands. This shift, along with the need to enable physical distancing in the public realm, presented an immediate challenge for municipalities. While the requirement to redesign streets and better meet changing mobility needs was readily apparent, very little guidance was available for practitioners or decision makers.

The Federation of Canadian Municipalities responded by commissioning the rapid development of innovative design guidelines to help municipalities rebalance their streets, enable physically distant active transportation, and counter the risk of the pandemic adding to inequities around public space and transportation.

The COVID-19 Street Rebalancing Guide shares strategies and treatments based on examples from around the world, and integrates input and experiences from Canadian stakeholders.



Volunteer Contribution

TAC Distinguished Service Award

This award is TAC's highest honour. It recognizes leaders who have had a tangible and enduring impact on the association's progress toward its vision and mission, and thereby on Canada's transportation sector. Recipients have contributed actively to TAC councils and committees for at least 15 years, among their 25 years or more of industry experience.

Jack MacDonald | City of Moncton

Jack joined the City of Moncton in 1995 after a successful career at Canadian National Railway.

With degrees in engineering and business administration, he has held several senior management roles in Moncton with responsibility for Public Works and Utilities, Design and Construction, Engineering and Environmental Services, and Sustainable Growth and Development.

Under his leadership, the city delivered numerous major road projects that included innovations such as roundabouts, on-road bike lanes and multi-use paths.

Jack steered development of Moncton's Regional Transportation Master Plan and its first Active Transportation Plan, and hired the city's first environmental engineer with a mandate to tackle climate change. He also served as the city's lead on the construction of a new downtown sports arena, all while supporting and mentoring Moncton's next generation of engineers and technologists.

Jack has represented Moncton at TAC as a Chief Engineer since 2005, providing a strong voice for issues faced by smaller cities. He also served on the Executive of the former Chief Engineers' Council, with a term as Chair in 2013-2014.



Volunteer Contribution

TAC Leadership Award

This award recognizes individual volunteers who have provided continuous, effective leadership during 10 or more years of active participation on TAC councils and committees, and who have earned a reputation for dedication, collaboration, knowledge and integrity.

Taso Koutroulakis | Halifax Regional Municipality

Taso has represented Halifax as a key player on TAC committees and technical projects for more than a decade. He is Vice-Chair of the Traffic Operations & Management Committee, leading the Development & Devices Subcommittee's research and evaluation of signs, signals and markings for inclusion into TAC's *Manual of Uniform Traffic Control Devices for Canada* (MUTCDC). He has been a member of 15 pooled-fund project steering committees including those for the MUTCDC, roundabouts, pedestrian crossings, bikeway traffic control, traffic calming, and online road safety training, and he has contributed to an even greater number of volunteer projects. Taso was the Transportation Chair of the Local Organizing Committee for the TAC Conferences in both 2019 and 2010, and has also been a long-time member of the Road Safety Committee.



Tim Murphy | Parsons

Tim has served on TAC's Geometric Design Committee since 1995, and on its Revisions & Additions Subcommittee since 2003 including as an executive member from 2013 to 2018. He has also been a member of the Road Safety Committee since 1998. As a member of the Canadian Road Safety Engineering Handbook Subcommittee since 2012, and its Co-Chair from 2015 to 2019, Tim led early work toward a scoping study for a new Road Safety Guide for Canada. As a member of the Road Safety Professional Subcommittee, Tim led a business model review for the Road Safety Professional designation later adopted by the Transportation Professional Certification Board, and co-authored a report proposing an accreditation system framework. In addition to these activities he serves on TAC's Joint Roundabouts Subcommittee, and on its Road Safety Workforce Subcommittee where he focuses on the development of post-secondary road safety engineering curriculum.



Mark Popik | Thurber Engineering

Mark has been a member of the Pavements Committee and Soils & Materials Committee since the early 2000s, and chaired the latter in 2009-2010. He contributes emerging technical topics and ideas for committee discussion, volunteers to organize and lead technical workshops and panel sessions at the TAC Conference, and has co-authored numerous TAC Conference papers. Mark has played an instrumental role with the Mechanistic-Empirical Pavement Design Subcommittee, including acting as Chair in 2016-2017, supporting its evolution into a key source of technical knowledge and a forum for understanding AASHTO's pavement design software and adapting it for use in Canada. He led a number of technical trials of the software, and chaired the first conference panel session on the software in 2012. His leadership and continued technical contributions to the use of mechanistic-empirical pavement design principles in Canada have been invaluable.



Volunteer Contribution

TAC Individual Contribution Award

This award recognizes individual volunteers who have exhibited notable levels of initiative, creativity, effort and/or technical excellence in making a shorter-term contribution toward the work of TAC councils or committees.



Ethan Askey

City of Calgary

For almost a decade, Ethan has been an active member of the Environment & Climate Change Council, the Environmental Issues Committee and the Environmental Legislation Committee, with terms as an executive

member of the first two. He initiated and scoped a volunteer project on benchmarking the environmental performance of municipal road organizations, and was a member of the project steering committees that guided development of TAC's *Managing and Enhancing Terrestrial Roadway Ecology* (as Chair), and *Beneficial Practices for Compliance with the Migratory Birds Convention Act and Regulations*.

Ethan's contributions of time and expertise to solving environmental challenges have benefited all TAC member organizations.

Derek Drummond

Stantec Consulting Ltd.

(now with Dawson Road Maintenance)

Derek was a member of the Workforce Development Council from 2018 through 2020, including a term as Vice-Chair. In that time, he made a difference through his passion for improving transportation organizations as workplaces through mentorship, recruitment and retention practices.

Derek developed and led numerous council and conference sessions on priority topics including construction management, soft skills development, and social media.

He also helped shape the Council's new strategic framework, supported student involvement in TAC's conference, and represented the Council on TAC's project to inventory post-secondary transportation programs in Canada.



Lucas Knowles

Yukon Highways and Public Works

Lucas has been an active and enthusiastic member of the Road Safety Committee for the last five years, providing expertise and perspectives on transportation in small rural and northern communities. He is

Co-Chair of the Road Safety Workforce Subcommittee, and has represented Yukon on project steering committees for TAC's *Application Guidelines for Speed Display Devices*, the *Manual of Uniform Traffic Control Devices for Canada, Sixth Edition* (MUTCDC), online road safety training, and passing sight distance motions for MUTCDC amendments.

Lucas was a reviewer for the Special Roads chapter of the *Geometric Design Guide for Canadian Roads*, and has given technical presentations at the TAC Conference as well as Road Safety Committee meetings.

Lisa Salsberg

Access Planning

As Chair of the Mobility Council, Lisa has been instrumental in its transition within TAC's new volunteer structure. Since joining the Transportation Finance Committee in 2010 as a Metrolinx representative, including terms on the executive, she has been a leader in advancing the cause of better transportation finance and governance practices. Lisa was a member of the project steering committees that guided development of TAC reports on *Changing Practices in Data Collection on the Movement of People* (as Co-Chair) and *Transportation Funding and Governance in Canada's Large Metropolitan Areas*, and helped develop two other pooled-fund projects.

In addition, she has organized or participated in TAC Conference sessions on transportation pricing, public-private partnerships for transit projects, and performance-based decision making.



Volunteer Contribution

TAC Committee Excellence Award

This award recognizes excellence and innovation by TAC's volunteer committees, subcommittees, working groups and project steering committees, with recipients contributing to TAC's vision and mission through specific initiatives related to knowledge building, professional development, or member engagement.

Project Steering Committee for *Manual of Uniform Traffic Control Devices for Canada, Sixth Edition*

Chair: Rob Hird, Nova Scotia Transportation and Active Transit

TAC's *Manual of Uniform Traffic Control Devices for Canada, Sixth Edition* (MUTCDC) offers an enhanced presentation of material from the previous edition, and also incorporates the findings of technical projects completed by the Traffic Operations & Management Committee over the intervening seven years.

A key to the project's success was the expertise and guidance contributed by 29 members of the Project Steering Committee (PSC) who represented federal, provincial, territorial and municipal governments.

The scope of this project demanded substantially more time than usual from PSC members, including a detailed review of the final draft manual during the COVID-19 pandemic.

Updating the MUTCDC was a monumental five-year task, and the PSC deserves recognition for its extraordinary role.



Road Safety Committee

Chair: Pedram Izadpanah, TES Information Technology

Since 2011 the Road Safety Committee (RSC) has taken strategic actions to expand volunteer participation, implement a succession planning model for executive roles, improve alignment with TAC's organizational priorities, and respond to the changing needs of TAC member organizations and practitioners.

The RSC has expanded its membership, and now has subcommittees that focus on the TAC Conference, knowledge development, project development, liaison, Vision Zero and Safe Systems, the *Canadian Road Safety Handbook*, Road Safety Professional certification, and the Road Safety Engineering Award. The RSC has sponsored a growing number of TAC Conference sessions, actively engaged with other TAC committees to exchange knowledge, initiated many technical projects to deliver new publications and an online road safety training course, and played a lead role in the creation of a new North American Road Safety Professional designation.

Liraz Fridman | City of Guelph

Liraz is a Transportation Safety Specialist with the City of Guelph, Ontario, where she shares her data-driven knowledge and passion for injury prevention. In less than two years, she has revolutionized Guelph's approach to road safety, using research and community engagement to develop a new Community Road Safety Strategy. She also completed a comprehensive five-year collision report that sets a benchmark for future reductions in severe and fatal injuries.

She is a leading member of the City's Data Community of Practice, and also chairs the Guelph Road Safety Coalition in partnership with local police agencies, public health and Ontario's Ministry of Transportation.

Liraz is a member of TAC's Road Safety Committee and the executive advisory committee of Parachute, a national injury prevention organization. She has published ten peer-reviewed research papers, co-authored a book chapter on children and road safety, attracted more than \$500,000 in funding for road safety research, and actively fostered linkages between academic and municipal organizations.



TAC Young Transportation Professional Award

This award recognizes an employee of a TAC member organization who is 35 years old or less, and who has demonstrated personal accomplishments, industry and professional contributions, and leadership.

Young Professionals

Allan Widger Consulting Corporation Grant for Young Geotechnical Engineers in Transportation

This grant provides financial support to a young geotechnical engineer who is 35 years old or less with a master's degree and three years of work experience in the transportation field. The grant enables him or her to attend TAC's spring and fall technical meetings, and the annual conference.



Jean-Pascal Cloutier | Ministère des Transports du Québec

Jean-Pascal obtained his undergraduate and graduate degrees in civil engineering from Université Laval, completing a Master's project on the effects of heavy loads on roads in wintertime. This work has been published in scientific journals and led to substantial economies for industry stakeholders through amended winter weight regulations.

Since 2017, he has worked for the Ministère des Transports du Québec (MTQ) where he contributes to the development of sustainable infrastructure through research on granular materials, supervising and interpreting laboratory tests to enable technical recommendations. He was recently made Head of the Interim Soil and Aggregates Sector, with ten technical staff.

Jean-Pascal has participated as a young professional on PIARC technical committees, and looks forward to contributing to the work of TAC committees.

Other Acknowledgements

Outgoing Chairs

COUNCILS

ENVIRONMENT & CLIMATE CHANGE COUNCIL

- ▶ Shauna Lehmann, Saskatchewan Ministry of Highways

INFRASTRUCTURE & ASSET MANAGEMENT COUNCIL

- ▶ Ashley Curtis, City of Toronto

SAFETY, DESIGN & OPERATIONS COUNCIL

- ▶ Chris Brinkmann, City of Ottawa

MOBILITY COUNCIL

- ▶ Lisa Salsberg, Access Planning

TECHNOLOGY COUNCIL

- ▶ Scott Stewart, IBI Group

WORKFORCE DEVELOPMENT COUNCIL

- ▶ Jean-François Gysel

PROJECT STEERING COMMITTEES

DEVELOPMENT OF HIGHLY QUALIFIED PERSONNEL

- ▶ Omar Choudhry, City of Ottawa
- ▶ Fahad Shuja, Ontario Good Roads Association

ONLINE ROAD SAFETY TRAINING

- ▶ David Ferguson, City of Hamilton
- ▶ Pedram Izadpanah, TES Information Technology

COMMITTEES

ACTIVE TRANSPORTATION INTEGRATED COMMITTEE

- ▶ Marian Mithani, Eco-Counter/Canadian Institute of Transportation Engineers

ASSET MANAGEMENT COMMITTEE

- ▶ Mark Hearson, Stantec

CLIMATE CHANGE INTEGRATED COMMITTEE

- ▶ Ahsan Habib, Dalhousie University

CONSTRUCTION COMMITTEE

- ▶ Douglas Pateman, Ministry of Transportation, Ontario

GEOMETRIC DESIGN COMMITTEE

- ▶ John Bolger, City of Calgary

MAINTENANCE & OPERATIONS COMMITTEE

- ▶ Jules Michaud, New Brunswick Department of Transportation & Infrastructure

MOBILITY MANAGEMENT COMMITTEE

- ▶ David MacIsaac, Halifax Regional Municipality

PAVEMENTS COMMITTEE

- ▶ Mick Prieur, Englobe

ROAD SAFETY COMMITTEE

- ▶ Pedram Izadpanah, TES Information Technology

TRAFFIC OPERATIONS & MANAGEMENT COMMITTEE

- ▶ Daniel Beaulieu, Ville de Montréal

TRANSPORTATION FINANCE COMMITTEE

- ▶ David Kriger, David Kriger Consultants

TRANSPORTATION PLANNING COMMITTEE

- ▶ Geoffrey Keyworth, City of Port Moody

Outgoing Board Members

- ▶ Stephen Damp (late), EllisDon Corporation
- ▶ Joe Dragon, Northwest Territories Department of Infrastructure
- ▶ Sean Dutton, Newfoundland and Labrador Department of Transportation and Infrastructure
- ▶ Rafika Lassel, Association québécoise des transports
- ▶ Jaime Pitfield, Yukon Department of Highways and Public Works



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