



2019 Awards

Recognizing our peers



Transportation Association of Canada

2019 Awards

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

TAC Technical Achievement Awards

Recognizing TAC member organizations

- › TAC Educational Achievement Award
- › TAC Environmental Achievement Award
- › TAC Road Safety Engineering Award
- › TAC Sustainable Urban Transportation Award

TAC Volunteer Contribution Awards

Recognizing volunteers on TAC councils and committees

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

TAC Young Professional & Student Awards

Recognizing emerging members of the transportation profession

- › TAC Young Transportation Professional Award
- › Allan Widger Consulting Corporation Grant for Young Geotechnical Engineers in Transportation
- › TAC Student Paper Awards

Other Acknowledgments

- › Outgoing Chairs
- › Retiring Board Members

TAC Technical Achievement Awards

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



Urban Systems Ltd.

Bicycle Facilities Design Course

Developed with certified adult education professionals, this course helps practitioners to understand cyclists' needs and to deal with complex issues around the selection, design and implementation of cycling infrastructure. It has been delivered to more than 400 professionals in cities across Canada, ensuring that practitioners involved in all aspects of bicycle facility design are equipped with the tools and practices they need to deliver high-quality cycling infrastructure.



TAC Environmental Achievement Award

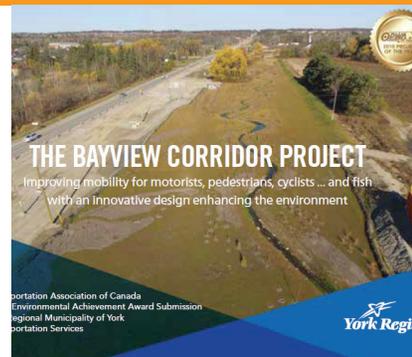


Regional Municipality of York

The Bayview Corridor Project

Between 2015 and 2018, York Region widened four kilometres of Bayview Avenue to a four-lane urban arterial

road. The project included utility relocations, rail crossing upgrades, trails, and stormwater management. It created more than four hectares of new habitat for large and small mammals, reptiles and birds, including two kilometres of new stream channel. York Region improved mobility for all corridor users — pedestrians, cyclists, motorists and fish — through a context-sensitive solution, within a complex environment.



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

TAC Technical Achievement Awards

TAC Road Safety Engineering Award



City of Calgary

Traffic Calming Curbs

Traffic Calming Curbs (or TC Curbs) allow the City of Calgary to traffic calm streets quickly, at a low cost. Pre-cast TC Curbs can physically alter a space in hours without impacting utilities or drainage, at one-tenth the cost of conventional traffic calming methods. TC Curbs are modular and easily adjusted, can be pinned to the pavement, are reinforced to be driven over,

and use pigmented and sulphate-resistant cement for durability. They are a useful tool to encourage safer road use by changing the road environment.



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

TAC Sustainable Urban Transportation Award

This award recognizes a TAC member organization for contributions and innovative approaches to the development and enhancement of sustainable urban transportation



City of Ottawa

Chapman Mills Drive Transit Priority and Active Transportation Corridor

This project involved the proactive implementation of higher-order transit and cycling facilities in a new, medium-density, mixed-use neighbourhood. It included the planning, design and incremental construction of a two-kilometre dedicated busway in the median of Chapman Mills Drive, as well as the introduction of low-stress cycling facilities including cycle tracks.



TAC Volunteer Contribution Awards

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.



Jadwiga Kroman | City of Calgary

Jadwiga manages the City of Calgary's Bridges and Structures Division. She began her career as a consultant in Edmonton, where over 15 years she designed and supervised the construction of many bridges and LRT stations. Jadwiga joined the City of Calgary in 1997, and has received numerous awards for her innovative, durable and aesthetically-appealing bridges and structures. During her 15 years on TAC's Structures Standing Committee, Jadwiga co-chaired the Project Steering Committee for the *Sustainability Considerations for Bridges Guide*, initiated and led the Project Steering Committee for the *Guide to Bridge Traffic and Combination Barriers*, and was a member of the Project Steering Committee for *Design, Construction, Maintenance and Inspection for Mechanically Stabilized Earth Walls*. She has been actively involved in engineering education and mentoring programs, and the American Concrete Institute. She was named a Fellow of the Canadian Society for Civil Engineering in recognition of her achievements and leadership.



Brad Neirinck | City of Winnipeg

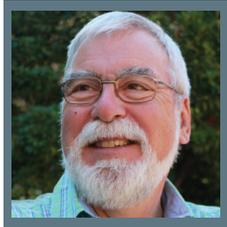
Brad has 34 years of industry experience, and worked in consulting and for the Province of Manitoba before joining the City of Winnipeg's Public Works Department in 1999. He is now the city's Manager of Engineering. For 20 years, he has managed or provided critical decision-making on all bridge projects undertaken by the City, and played major roles in all of the city's transportation P3 projects. Brad has been involved with TAC for 19 years as a member of the Chief Engineers' Council and the Structures Standing Committee where he served in executive roles. He was a member of committees that produced TAC publications including the *Guide to Bridge Management*, the *Guide for Bridge Repair and Rehabilitation*, the *Guide to Bridge Traffic and Combination Barriers*, the guide to *Structural Concrete Deck Protection Systems*, the guide to *Sustainability Considerations for Bridges*, and the guide to *Mechanically Stabilized Earth Walls*.

TAC Volunteer Contribution Awards

TAC Distinguished Service Award

Dirk Nyland | formerly of British Columbia Ministry of Transportation & Infrastructure

Dirk has dedicated 45 years to engineering excellence, collaboration and relationship building, and in 2018 completed his term as Chair of TAC's Chief Engineers' Council. For more than a decade, Dirk has been an active champion of climate change and adaptation initiatives, and he leaves a legacy of more resilient highway infrastructure in BC and across Canada. He helped develop the PIEVC climate risk evaluation tool, chaired the PIEVC Roads and Associated Structures Expert Working Group, and led several projects to support climate resiliency in transportation engineering. Dirk spent part of his career in northwest BC, where he forged close relationships with Indigenous communities and was recognized by the Nisga'a Nation for his role in the ratification of a major treaty in 1998. He has also contributed to excellence in the transportation sector by helping others practice with the professional integrity he has demonstrated. He led the Engineer in Training program at the BC Ministry of Transportation and Infrastructure, and has offered leadership, collaboration, and passion in mentoring dozens of junior engineers throughout his career.



Wanda Richardson | formerly of AECOM Canada Ltd.

Wanda has served the public, private and academic sectors in many areas including transportation and health. She played major roles in business development and growth strategy with both AECOM and Hatch Mott MacDonald, advanced an automotive research strategy for the University of Waterloo, and managed major initiatives for the Region of Waterloo including development of a Health Sciences Campus and an award-winning growth management strategy. Wanda has been an active volunteer in TAC, including a term on the Board of Directors where she was a strong contributor to the Association's 2017 strategic plan and a passionate supporter of emerging issues and young professionals. She served as the Urban Transportation Council's first female Chair, as well as on the Sustainable Transportation, Transportation Planning and Research, and Transportation Finance Standing Committees. Outside TAC, her decades of volunteer service at the local, provincial and national levels have benefited organizations including the International Women's Forum, Ontario Place, Canadian Cancer Society, and Cambridge Memorial Hospital.



Guy Tremblay | formerly of Ministère des Transports du Québec

Over his 30-year career, Guy has focused on advancing transportation knowledge. From his early work as a roadway and pavement performance specialist, he advanced to lead a research team in the MTQ's Pavements Laboratory as an authority in pavements and asset management. He has led joint initiatives with many industry partners, road authorities and professional associations, and has played a pivotal role in many committees and conferences. Guy has been involved with TAC since 1995, serving on almost a dozen committees and chairing both the Pavements Standing Committee and the Mechanistic and Empirical Pavement Design Guide (MEPDG) Project Steering Committee. He was also a member of the *Pavement Asset Design and Management Guide* Project Steering Committee, and was responsible for verifying the French translation of the Guide. He has played key roles on the Asset Management Expert Panel and the Project Steering Committee for the *Transportation Asset Management Best Practices Guide*, which has helped TAC member organizations develop positions and chart progress toward state-of-the-art asset management practices.



TAC Volunteer Contribution Awards

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

TAC Committee Excellence Award

This award recognizes excellence and innovation by TAC's volunteer standing 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



Clark Gunter | WSP Canada

For more than 10 years, Clark has been a valuable contributor to TAC committees, technical projects and conferences. As a volunteer he has freely shared his technical knowledge, time and effort, and his advice is actively sought by colleagues. Since 2006, Clark has participated on the Environmental Advisory and Legislation

Standing Committee, Environment Council, Joint Roundabouts Subcommittee, Climate Change Task Force, and Integrated Committee on Climate Change. He has been involved on several committee executives, including as chair, and has contributed to the organization and delivery of many TAC conference sessions, as well as a seminar and webinar. Clark remains a key force behind TAC's work to strengthen the transportation sector's consideration of environmental issues.

Road Safety Workforce Subcommittee of the Road Safety Standing Committee

Category: Professional Development & Knowledge Building

The Road Safety Workforce Subcommittee's early work was essential to the development of the Road Safety Professional certification program by the Transportation Professional Certification Board. It has also researched road safety programs at Canadian universities and colleges, compiled educational and training resources, scanned organizational training practices, and developed a detailed pooled-fund project proposal for a webinar series that would provide comprehensive road safety training to practitioners.

TAC Volunteer Contribution Awards

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



Ania Anthony
Saskatchewan
Highways & Infrastructure

Ania has been on the Executive of the Soils and Materials Standing Committee since 2013. She is also a member of the Pavements Standing Committee, where she co-authored a report on the impacts of wide base single tires on pavements. Ania has chaired the Project Steering Committees for *Best Practices for Evaluating Soil and Material Stabilization Products*, and the *Guide to Load Management for Weak Pavement Structures*. She is a trusted voice within TAC, representing the Saskatchewan perspective and investing her time and expertise in national conversations on pavements and road materials.



Adam Hayashi
formerly of the Cement
Association of Canada

Adam has been an active member of the Education and Human Resources Development Council since 2012, where he has helped organize many conference panels, sessions and workshops. Most recently, he led preparations for the post-secondary student event at TAC's 2018 conference in Saskatoon. Adam has also served as the Council's liaison to the Integrated Committee on Climate Change since 2016, and was responsible for leading the exchange of information between those groups.



Shauna Lehmann
Saskatchewan
Highways & Infrastructure

Shauna has been active on the Environment Council since 2012. She has been a member of the Climate Change Task Force, the Maintenance and Construction Standing Committee, and the Executive of the Environmental Issues Management Standing Committee. She is a strong champion of TAC's collaborative platforms, having led the development of an online Issues Tracking Database. Shauna also played a key role in raising the profile of invasive species management within TAC through her leadership of a volunteer project and annual conference sessions.



Richard Tebinka
WSP Canada

Richard has volunteered on TAC committees since 1988, most recently on the Sustainable Transportation and Transportation Planning & Research Standing Committees. He has chaired technical sessions on the Sustainable Urban Transportation Award, and on parking at two recent TAC conferences. He has volunteered on technical projects looking at transit planning and public engagement, and has also reviewed scholarship applications for the TAC Foundation.

TAC Young Professional Awards

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



Papa Masseck Thiam | FPInnovations

Papa has earned two Master's degrees (in pavement engineering from Laval University, and in Civil Engineering Project Management from École Polytechnique de Montréal), and is a designated project management professional as well as a licensed professional engineer in two provinces. The results of his early research at Laval

University on the effects of climate change on pavement performance were featured in the mechanistic-empirical pavement design software. As a Research Engineer with FPInnovations, Papa collaborates with provincial transportation agencies, universities and the forestry industry. He recently helped create an engineering analysis enabling reduced frost depth starting thresholds for winter weight haul programs, and has researched the pavement impacts of larger trucks and wide base single tires, as well as mitigation methods for shoulder cracking. Papa has participated in numerous international conferences, and has co-authored more than a dozen scientific papers published by TAC, TRB and in technical journals. He is a member of the TRB technical committee on freeze-thaw action on infrastructure, the I3C Chair Technical Committee, the Canadian Geotechnical Society, and the Canadian Society for Civil Engineering. He is a mentor to young pavement engineers, and demonstrates high standards of both scientific rigour and cooperation.

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, enabling him or her to attend TAC's spring and fall technical meetings, and the conference



Sam Esfandiarpour | Thurber Engineering Ltd.

Sam completed his PhD in Civil Engineering at the University of Manitoba in 2017. His research has focused on road materials and pavement structures, and strengthening the standardization of pavement evaluation techniques and the use of recycled materials. He developed models for Manitoba asphalt mixes that predict dynamic and creep compliance values without the need for physical tests. He has authored or co-authored several TAC conference papers, and won a TAC Student Paper Award in 2015. In 2017, he joined Thurber Engineering where he has worked on many highway construction and rehabilitation projects. He recently joined TAC's Pavement ME Design Software User Group, where he has been able to help other users.

TAC Student Awards

Other Acknowledgments

TAC Student Paper Awards

These awards recognize the excellence of papers delivered at TAC's annual conference by full-time post-secondary students, evaluated by members of TAC's Education and Human Resources Development Council

1st prize \$500 | 2nd prize \$300 | 3rd prize \$200

1st



Erfan Hajibandeh
University of Manitoba
Dynamic Modulus of Asphalt Concrete Mixtures Using Small Scale Samples

2nd



Salvatory Materu
University of Manitoba
Evaluation of Warm Mix Asphalt Technology for Pavement Rehabilitation

3rd



Hanaa Al-Bayati
University of Waterloo
Examining the Effect of Coarse Recycled Concrete Aggregate on Moisture Damage Resistance of HMA Mixtures

Outgoing Chairs

Councils

- › Darlene Cleven, Education and Human Resources Development Council
- › Jean-François Gysel, Governing Task Force, Canadian National Committee of the World Road Association
- › Oliver Laser, Environment Council
- › Sabbir Saiyed, Urban Transportation Council

Project Steering Committees

- › Bill Biensch, Best Practices for Pothole Repairs in Canada
- › Walter Burdz, Bicycle Infrastructure in Canada: Safety Performance (Present & Future)
- › Sabbir Saiyed, Understanding Goods Movement: Trends and Best Practices
- › Sabbir Saiyed, Strategic Opportunities for Integrating Health and Transportation

Standing Committees

- › Tom Baumgartner, Joint Active Transportation Subcommittee
- › Shaun Bidulka, Geometric Design Standing Committee
- › Martin Hotte, Integrated Committee on Climate Change
- › Martin Hotte, Sustainable Transportation Standing Committee
- › Marta Juhasz, Pavements Standing Committee
- › Craig Milligan, Road Safety Standing Committee
- › Gary St. Michel, Asset Management Task Force
- › Sabbir Saiyed, Transportation Planning and Research Standing Committee

Retiring Board Members

- › Benoit Champagne, Ville de Montréal
- › Jane Fraser, Halifax Regional Municipality
- › Barry Day, formerly of Alberta Transportation
- › Wanda Richardson, formerly of AECOM Canada Ltd.

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



Transportation Association of Canada

401-1111 Prince of Wales Drive
Ottawa • ON • K2C 3T2

www.tac-atc.ca