2022 AWARDS
Recognizing our peers
Each year, TAC members recognize their peers with a number of prestigious awards.

TECHNICAL

ACHIEVEMENT AWARDS

Recognizing TAC member organizations
- Active Transportation Achievement – NEW
- Climate Action Achievement – NEW
- Environmental Achievement
- Infrastructure Achievement – NEW
- Mobility Achievement
- Road Safety Achievement
- Small Municipalities Achievement – NEW
- Technology Achievement – NEW

VOLUNTEER

CONTRIBUTION AWARDS

Recognizing volunteers on TAC councils & committees
- Distinguished Service
- Leadership
- Individual Contribution
- Committee Excellence

YOUNG PROFESSIONAL & STUDENT PAPER AWARDS

Recognizing emerging members in transportation
- Young Transportation Professional
- Student Papers

IN

RECOGNITION

Acknowledging outgoing volunteer leaders
- President’s Award
- Outgoing Chairs and Board Members
**ACTIVE TRANSPORTATION ACHIEVEMENT**

**City of Toronto, Ontario**
*(in partnership with IBI Group)*

**ActiveTO Midtown Complete Street Pilot**

This 12-month pilot project has transformed 3.5 km of Yonge Street into a complete street as part of Toronto’s COVID-19 pandemic response.

The City removed one travel lane in each direction while adding all-season protected bike lanes, creating new curb lane cafés, and allocating space for parking/loading. The project involved a comprehensive stakeholder engagement program to build support in the community, and has led to more than 100% growth in cyclist volumes and a 60% to 80% increase in pedestrian volumes.

**CLIMATE ACTION ACHIEVEMENT**

**Ville de Montréal, Québec**

**Transportation Electrification Strategy**

In 2021, the Ville de Montréal adopted its second Transportation Electrification Strategy. This three-year action plan is essential to achieving Montréal’s ambitious targets for reducing GHG emissions. Among its 61 actions are steps to address public transit, shared mobility services, charging for electric vehicles, urban freight, and the creation of low-emission zones and electric vehicle zones.

The strategy takes an agile and open approach to transportation electrification, and encourages a business environment that supports companies and institutions working in the sector.
**ENVIRONMENTAL ACHIEVEMENT**

Regional Municipality of Durham, Ontario

*Victoria Street Reconstruction and Widening*

The reconstruction and widening of Victoria Street through the Lynde Shores Wetland complex and Conservation Area overcame numerous challenges through a collaborative, educational partnership with the Central Lake Ontario Conservation Authority. The 1.5-km corridor is situated in a sensitive wetland that supports species at risk and locally rare plants. The project involved new structures and wildlife crossing culverts, a wildlife lookout, a wildlife barrier, expansion of Eastern Pond Mussel habitat, creation of a new Shisko Wetland area, and a new multi-use path and storm sewers.

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**INFRASTRUCTURE ACHIEVEMENT**

British Columbia Ministry of Transportation and Infrastructure

*Ten Mile Slide Slope Stabilization*

Ten Mile Slide is a 300-metre long, continuously moving landslide along Highway 99 within the Xaxli’p First Nation near Lillooet. Accelerating movement of this geotechnical anomaly, and unsuccessful previous efforts to stabilize it, led to the search for an effective solution. The resulting complex design took four years to implement. It included 276 post-tensioned soil anchors with precast concrete bearing blocks above the highway, and a pile wall with 148 large-diameter drilled shafts and 125 tie-back soil anchors below the highway. This project involved many “firsts” for the Ministry, and monitoring shows that it has effectively stabilized the landslide.
Protected intersections can improve safety for vulnerable road users. The City of Ottawa’s Protected Intersection Design Guide will reduce the cost and time required to design protected intersections in locations with either unconstrained or constrained rights-of-way, and with either one-way or two-way bikeways. It includes graphics showing common design permutations, and offers flexibility to treat each corner of an intersection differently. The guide also addresses winter maintenance, universal design and accessibility, traffic signals, and integration with bus stops.

Following a data-driven review of vulnerable road user safety at its signalized intersections, York Region used a range of tools including extensive geospatial analysis to evaluate potential countermeasures and pilot project locations. To reduce injury collisions between turning vehicles and pedestrians or cyclists, a combination of four countermeasures (right-turn-on-red prohibitions, protected left-turn movements, leading pedestrian intervals, and warning signage) was implemented at four pilot intersections in 2019. A year-long monitoring program confirmed a resulting 90% reduction in observed vehicle-pedestrian conflicts, and a 66% reduction in injury collisions.
**TECHNICAL ACHIEVEMENT**

### SMALL MUNICIPALITIES ACHIEVEMENT

**Town of Smiths Falls, Ontario**  
*(in partnership with Parsons)*  
**Beckwith Street Revitalization**

This project transformed 600 metres of historic “main street” that acts as a connecting link in the provincial highway system, to address objectives around accessibility, parking, snow management, and safety for pedestrians and cyclists. The street now boasts wide sidewalks and raised intersections, tactile warnings and audible signals, cycletracks with cross-rides, extensive tree planting, and pedestrian-scale lighting – many of which are innovative in a small-town context. The project’s benefits for local businesses and the community include a high-quality pedestrian realm, enhanced public amenities, accessible on-street parking, renewed infrastructure, and attractive multimodal travel facilities.

### TECHNOLOGY ACHIEVEMENT

**Regional Municipality of Durham, Ontario**  
*(in partnership with Visual Defence Inc.)*  
**Road Maintenance Innovation**

The Region of Durham’s historical approach to pothole identification, involving visual inspections and paper records, created inefficiencies and safety risks. Its new approach uses smartphones mounted on the windshields of maintenance vehicle to automatically detect, log and photograph potholes, then upload information to the cloud. Artificial intelligence confirms, measures and geolocates each deficiency, and a resulting heat map allows staff to better understand overall road condition and plan repairs. Other benefits include reduced risk and public complaints, and enhanced productivity, record keeping and budget management.

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**What is Rover?**

ROVER is an app that is installed on a smartphone, that automatically detects and identifies potholes on the road using artificial intelligence and maps them.
Gerry Chaput   |   IBI Group

Gerry has played a significant role in transportation design, construction, operations and legislation in Ontario for 35 years. In almost three decades with Ontario’s Ministry of Transportation (MTO), he rose to positions including Chief Engineer/Executive Director and Assistant Deputy Minister, Provincial Highways Management. At MTO, he took pride in championing the Transportation Technician Initiative and Engineering Development Programs, which hire and train recent graduates through presentations, mentoring, coaching and staff development to support their professional certification.

After leaving MTO, Gerry joined Metrolinx as Executive Vice President, Program Management, where he ensured that delivery teams had consistent project controls, reporting requirements, resources and management systems to deliver major transit initiatives across the Greater Toronto and Hamilton Area. He is now Director, Partnerships for IBI Group where, among other roles, he supports the firm’s in-house mentorship program that helps employees develop personally and professionally, and create a strong network of relationships.

Gerry has been an effective and committed TAC volunteer on technical committees and the former Chief Engineers’ Council, where he served as Chair. He has also been a member of TAC’s Board of Directors for a decade, including as President (2014-2016) and Vice President. He is now a guiding force and President of the TAC Foundation. His contributions to transportation in Canada through his time at MTO and as a TAC volunteer are significant, and his steadfast efforts to shape the engineers of tomorrow will have an impact for many years.
Ruth Eden (late)  |  formerly with Manitoba Transportation and Infrastructure

Ruth began her engineering career with Manitoba in 1988. Her passion for innovative materials as well as structural health monitoring led her to complete a master’s degree in Structural Engineering in 2002. Her research thesis was published and contributed to national guidance on timber bridges.

With Manitoba, Ruth rose from her role as Materials and Standards Engineer in 2002 to become the Assistant Deputy Minister of Water Management and Structures in 2018, and then of Technical Services and Operations in 2021.

In TAC, Ruth volunteered for a decade and a half on the Structures Committee (including as Chair) and since 2019 on the Chief Engineers Panel. She was an enthusiastic supporter of TAC’s pooled-fund projects, and represented Manitoba on steering committees for projects on bridge sustainability, bridge traffic and combination barriers, and mechanically stabilized earth walls. Ruth also volunteered with Engineers and Geoscientists of Manitoba in several senior roles and ultimately as President. She was a member of the Canadian Highway Bridge Design Code’s Regulatory Authority Committee, and was made a Fellow of Engineers Canada for service to the profession.

Ruth worked tirelessly with the University of Manitoba, serving as a guest lecturer and invited speaker, and as a judge for student competitions. She was also a member of the Research Management Committee for the Centre for Structural Innovation and Monitoring Technologies (SIMTRec) where she offered valuable technical expertise on research directions.

Anne-Marie Leclerc  |  Ministère des Transports du Québec

Anne-Marie Leclerc has been a dedicated TAC volunteer for 30 years. From her involvement as a member of the Pavements Committee in the 1990s through her continuing role on the Association’s Board of Directors, she has always given generously of her time and expertise. She chaired the former Chief Engineers’ Council, currently represents her department on the Chief Engineers Panel, and was TAC President from 2001 to 2006. She is well known to hundreds of TAC volunteers, and is widely respected for her wisdom and leadership.

Anne-Marie has supported and helped to build TAC in many ways. She actively promotes the involvement of her department’s staff in all aspects of TAC’s work, and champions the Association’s tools and resources from publications to events. She is a long-standing supporter of TAC’s pooled-fund project process, and under her leadership MTQ has committed its financial support and technical expertise to more TAC projects than any other agency. Over Anne-Marie’s decades of involvement, the Association has faced a number of challenges; in every case, she could be relied on as a voice of reason and as a strong champion for TAC and the merits of pan-Canadian collaboration. Her commitment has sustained TAC through periods of difficulty, and helped it thrive in better times.

A highly decorated engineer, Anne-Marie has built a national and international reputation for excellence in transportation. TAC has been fortunate to have benefited greatly from her career-long guidance and active support.
Pedram Izadpanah | True North Safety Group

Pedram has volunteered with TAC’s Road Safety Committee since 2011. Over that time, he has co-chaired the Knowledge and Workshop Development Subcommittee and the Road Safety Professional Designation Subcommittee. He has helped organize several well attended workshops, was instrumental in the initiation of TAC’s Online Road Safety Training project, and served as Co-Chair of that project’s steering committee.

In 2019, Pedram became Chair of the Road Safety Committee. During his tenure, which largely coincided with the COVID-19 pandemic, the committee leveraged its remote meetings to invite speakers who typically did not participate in TAC, and also updated its three-year strategic plan.

Pedram is a welcoming, positive and supportive leader who encourages open participation and constructive dialogue. His regular reminders of the committee’s important role in reducing Canada’s annual toll of road deaths serve to unite volunteers with a common goal.

Shauna Lehmann | Saskatchewan Ministry of Highways

Shauna has represented Saskatchewan as an indispensable TAC volunteer and leader over the past decade. She is currently the Past Chair of the Environment & Climate Change Council and a former Chair of the Environmental Issues Committee, and is also a member of the Environmental Legislation Committee, Education Committee, Professional Development Committee, Construction Committee, Maintenance & Operations Committee, and Climate Change Integrated Committee.

Shauna is a dynamic force for change. She has developed tools to help track environmental issues being addressed by volunteers, and fostered many discussions and conference sessions as well as a volunteer project on invasive species management. She encourages other volunteers to strengthen collaboration between councils and committees, and her broad participation in TAC is an example for others. Shauna is a previous recipient of a TAC Individual Contribution 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 among other TAC volunteers for their dedication, collaboration, knowledge and integrity.
This award recognizes individual volunteers who have exhibited notable levels of initiative, creativity, effort and/or technical excellence in contributing to the work of TAC councils or committees over the preceding five years.

**Stephen Legaree | Alberta Transportation**

Stephen has been active on TAC’s Environment & Climate Change Council and its committees since 2017, and is now Secretary of the Environmental Issues Committee where he has conducted a review and update of the online issues tracker to improve the committee’s approach to categorizing priority technical issues. His efforts will be incorporated into the Environment & Climate Change Council’s Strategic Framework to give the Council a clearer vision of its mandate and help it to better align its activities.

**Bruno Marquis | Ministère des Transports du Québec**

Bruno has been an active TAC volunteer for two decades, with a focus on the Geometric Design Committee. As a member of the Revisions & Additions Subcommittee, Bruno played a critical role in creating TAC’s Geometric Design Guide for Canadian Roads; he conducted the technical review of the French translation of the entire 2017 update, plus the new chapter on special roads published in 2020, totalling many hundreds of pages of highly technical content. He also provided a similar service for the French version of the Canadian Roundabout Design Guide (2017).

**Marian Mithani | City of Toronto**

As the inaugural Chair of TAC’s Active Transportation Integrated Committee (ATIC), Marian provided effective leadership and developed new approaches to volunteer collaboration that TAC’s other integrated committees can replicate. During her tenure as an action-oriented chair, ATIC became a true interdisciplinary hub of active transportation expertise. It attracted over 50 new members from across the country, organized numerous conference sessions, developed five internal proposals to update TAC design guidance, and was an early adopter of Lunch & Learn events to benefit committee members.
Since the Connected & Automated Vehicles (CAV) Task Force first met in 2019, it has successfully played four key roles – connect, inform, guide and represent. Task Force members helped create important resources including a foundational discussion paper and municipal briefing on CAVs in Canada, a lexicon of CAV terminology, and an online inventory of CAV initiatives in Canada. At Task Force meetings, representatives of TAC member organizations, councils and external bodies exchanged vital information at a time when many stakeholders were working to establish and coordinate their complementary roles in Canada’s CAV ecosystem. The Task Force will now continue its work as an integrated committee to be overseen by TAC’s Technology Council.

The Government of Canada launched a comprehensive review of environmental and regulatory processes in 2016, and since that time the Environmental Legislation Committee (ELC) has helped keep TAC member organizations abreast of changes to the federal Fisheries Act, Impact Assessment Act and Canadian Navigable Waters Act. The ELC membership maintained a dialogue with federal representatives to ensure a clear understanding of new procedures and requirements, and a volunteer project created a 14-page briefing on the new legislation that was published by TAC in 2021.

In recent years, the Public Utilities Management Subcommittee (PUMS) has created several TAC technical publications through volunteer projects. In 2021, its efforts led to TAC’s new Guide to Utility Coordination on Public-Private Partnership (P3) Projects, which aims to improve utility coordination on P3 projects by helping project stakeholders create efficient and consistent processes for utility relocations. Not only did PUMS volunteers write this detailed synthesis of best practices, but they also attracted financial support that enabled free distribution of the report.
Matt specializes in active transportation facilities, complete streets and transit access with an overarching focus on designing streets for people. He is a registered professional engineer, and earned a master’s degree in civil engineering from the University of Toronto. After six years of transportation planning and engineering practice, Matt is an established thought leader in active transportation. He co-authored Ottawa’s Protected Intersection Design Guide, as well as the updated Ontario Traffic Manual, Book 18: Cycling Facilities, for which he also helped develop and deliver training to hundreds of municipal staff and consultants.

Matt is a member of TAC’s Mobility Council and Vice-Chair of its Active Transportation Integrated Committee, where he guided the innovative development of design update proposals as a means of collaborating with other TAC committees. The Association of Pedestrian and Bicycle Professionals recognized him as its Young Professional of the Year in 2020.

Matt believes in the importance of informed advocacy within the engineering profession, and he is widely respected as a clear and engaging communicator on transportation issues. He has published several articles in major daily newspapers, and his “Beyond the Automobile” blog postings that address active transportation, public transit, road safety and autonomous vehicles have received more than 100,000 views and wide dissemination on social media.

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 Workforce Development Council.

- 1st prize: $500
- 2nd prize: $300
- 3rd prize: $200

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<th>1st Prize</th>
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<td>Mohamed Saleh, University of Alberta</td>
<td>Alanna Yu, University of British Columbia</td>
<td>Abdulrahman Hamid, University of Waterloo</td>
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OUTGOING CHAIRS

Retiring chairs of TAC councils, task forces, committees and project steering committees

COUNCILS & TASK FORCES
- Chief Engineers Panel
  Paul Murchison, Yukon Highways and Public Works
- Connected & Automated Vehicles Task Force
  Kenedee Ludwar, British Columbia Ministry of Transportation and Infrastructure

PROJECT STEERING COMMITTEES
- Best Practices for Surfacing Bridges with Asphalt Mixes
  Ania Anthony, Saskatchewan Ministry of Highways
- Best Practices for Surfacing Bridges with Asphalt Mixes
  Dave Besuyen, Alberta Transportation
- Non-Standard Pavement Markings for Crosswalks
  Diane Nash, New Brunswick Department of Transportation and Infrastructure

COMMITTEES
- Environmental Issues Committee
  Ethan Askey, City of Calgary
- Environmental Legislation Committee
  Kimber Osiowy, AECOM Canada Limited
- Small Municipalities Integrated Committee
  Ahmed Ali, City of Lethbridge
- Soils & Materials Committee
  Bryan Palsat, Tetra Tech Canada Inc.
- Structures Committee
  Michael Paulsen, Associated Engineering Group Ltd.

OUTGOING BOARD MEMBERS
- Darren Chaisson, Prince Edward Island Transportation and Infrastructure
- Valérie Gagnon, Ville de Montréal
- Kaye Krishna, British Columbia Ministry of Transportation and Infrastructure
- Paul LaFleche, Nova Scotia Public Works
- Laurie LeBlanc, Ministry of Transportation, Ontario
- John Logan, New Brunswick Department of Transportation and Infrastructure
- Anuradha Marisetti, Transport Canada
- Ed Miska, British Columbia Ministry of Transportation and Infrastructure
- Garreth Rempel, MORR Transportation Consulting
- Tim Savoie, City of Port Moody

PRESIDENT’S AWARD

This award recognizes the contributions of each outgoing TAC President, who also chairs TAC’s Board of Directors.

- Laurie LeBlanc, formerly with Ministry of Transportation, Ontario