

Year in Review



2023/24

Who We Are

The Transportation Association of Canada (TAC) is a neutral forum for organizations with interests in roads, highways and urban transportation.

Through TAC, those organizations and their staff **share ideas and exchange information** on technical transportation issues. TAC helps its members build knowledge and pool resources to **tackle transportation challenges** that are important to them.

Member organizations include all levels of government, private companies, academic institutions, and other associations.

A **network of hundreds of transportation professionals** from TAC's member organizations volunteer to guide the Association's work in safety, mobility, environment and climate change, infrastructure and asset management, technology, and workforce development.

TAC doesn't set standards, but **develops technical guidance** for planning, designing, constructing, managing, operating, and maintaining road, highway, and urban transportation infrastructure, systems and services. The guidance promotes good practices and encourages their harmonization across Canada.

TAC is a non-profit organization funded by membership dues and the sales of its products and services.



Our Vision

*Transportation that makes
Canada safe, healthy,
and prosperous*



Our Mission

*Working together to share ideas, build
knowledge, promote best practices,
foster leadership, and encourage bold
transportation solutions*

President's Message



To my colleagues and fellow members of TAC, greetings from the office of the President. As a longtime supporter of this Association, I value this network and its commitment to bringing together the expertise of transportation practitioners from across the country. Over the years, I've taken on different volunteer roles for TAC and I'm now very proud to have the opportunity to contribute as a senior leader, working with our Board of Directors.

These are exciting times for the Association. Our membership is expanding, our technical resources are improving, and we have more people getting involved in our councils, committees, and collaborative projects. More and more, we're seeing how much members appreciate TAC as a forum to share information and build knowledge, which is one of the Association's fundamental purposes.

And TAC isn't just growing, it's evolving. Our work relies on – and is made better by – welcoming new perspectives, skill sets, and innovations to the shared business of transportation. That's why we've been actively encouraging high-tech companies, software developers, telecom providers, and other professional firms that offer products and services relevant to roads, highways, and urban transportation to get to know our Association and the benefits of membership.

Our growth and evolution will be clear this September when we gather in Vancouver for the 2024 TAC Conference & Exhibition. Our theme is *"Technology and Transformation"*, and we'll explore how technological advances are giving us new tools to build and operate transportation systems. We'll also have a variety of sessions that relate to TAC's core focus areas, an extensive exhibition, and interesting technical tours.

There will be no shortage of opportunities to share and learn, and I look forward to seeing many of you there.

Peter Hackett
President

“TAC isn't just growing, it's evolving.”

Executive Director's Report

The year 2023/24 has wrapped up and, once again, it's impressive to look back at the Association's achievements made possible thanks to the contributions of members, volunteers and staff.

A full slate of familiar activities rolled out as usual. Among those:

- About **100 technical meetings** were organized, attracting thousands of attendees
- Over **40 technical projects** progressed
- Three **new publications** were released, including TAC's first-ever emerging practice briefing
- **Webinars and training courses** offered learning opportunities for about **2,000 practitioners**
- Over **20 awards** were conferred on deserving recipients
- The **library collection** grew with dozens of additions to the catalogue
- Across a variety of platforms, TAC communications reached several thousand contacts

A highlight of the year was convening the 2023 TAC Conference & Exhibition in Ottawa. We were delighted to join our local hosts in welcoming a record-breaking number of delegates to the nation's capital. The program was packed with papers, presentations and technical tours. The exhibition hummed with activity. The support of sponsors was outstanding. Best of all, the energy and enthusiasm of delegates to share knowledge and learn from each other was inspiring.

Unfortunately, TAC was a victim of fraud last fall when our security systems were breached, resulting in some payments being diverted to false accounts.



Although most funds were recovered, the incident highlighted the need to protect ourselves against vulnerabilities. An independent cybersecurity audit was conducted, and a series of recommendations are being implemented to improve our security posture going forward.

Despite that incident, TAC continues to be in good health overall, as reflected in our key performance measures presented in this report. Our diversified revenue is sufficient to fund regular operations, and the Board has established reserves for special initiatives. We are fortunate to have a loyal membership and active community engaged in our work. We see good levels of activity with respect to our annual conference and projects.

TAC's continued success is a joint effort of members, volunteers, the Board of Directors, and staff. We appreciate your involvement and consider it an honour to serve and support the network.

Dr. Sarah Wells
Executive Director

Board of Directors

TAC is governed by a Board of Directors elected from all levels of government, the private sector, and other organizations. The Board sets the strategic direction for our Association and oversees TAC's volunteer structure.

Executive

PRESIDENT & CHAIR

Peter Hackett

Deputy Minister
Nova Scotia Public Works

VICE PRESIDENT F/P/T

Bryce Stewart

Deputy Minister
Alberta Transportation and
Economic Corridors

VICE PRESIDENT MUNICIPAL

Lon LaClaire

General Manager, Engineering Services
City of Vancouver

VICE PRESIDENT MEMBERS-AT-LARGE

Scott Stewart

Chief Executive Officer
Scott Stewart & Associates

TREASURER

Michael Thompson

General Manager, Infrastructure Services
City of Calgary

SECRETARY

Sarah Wells

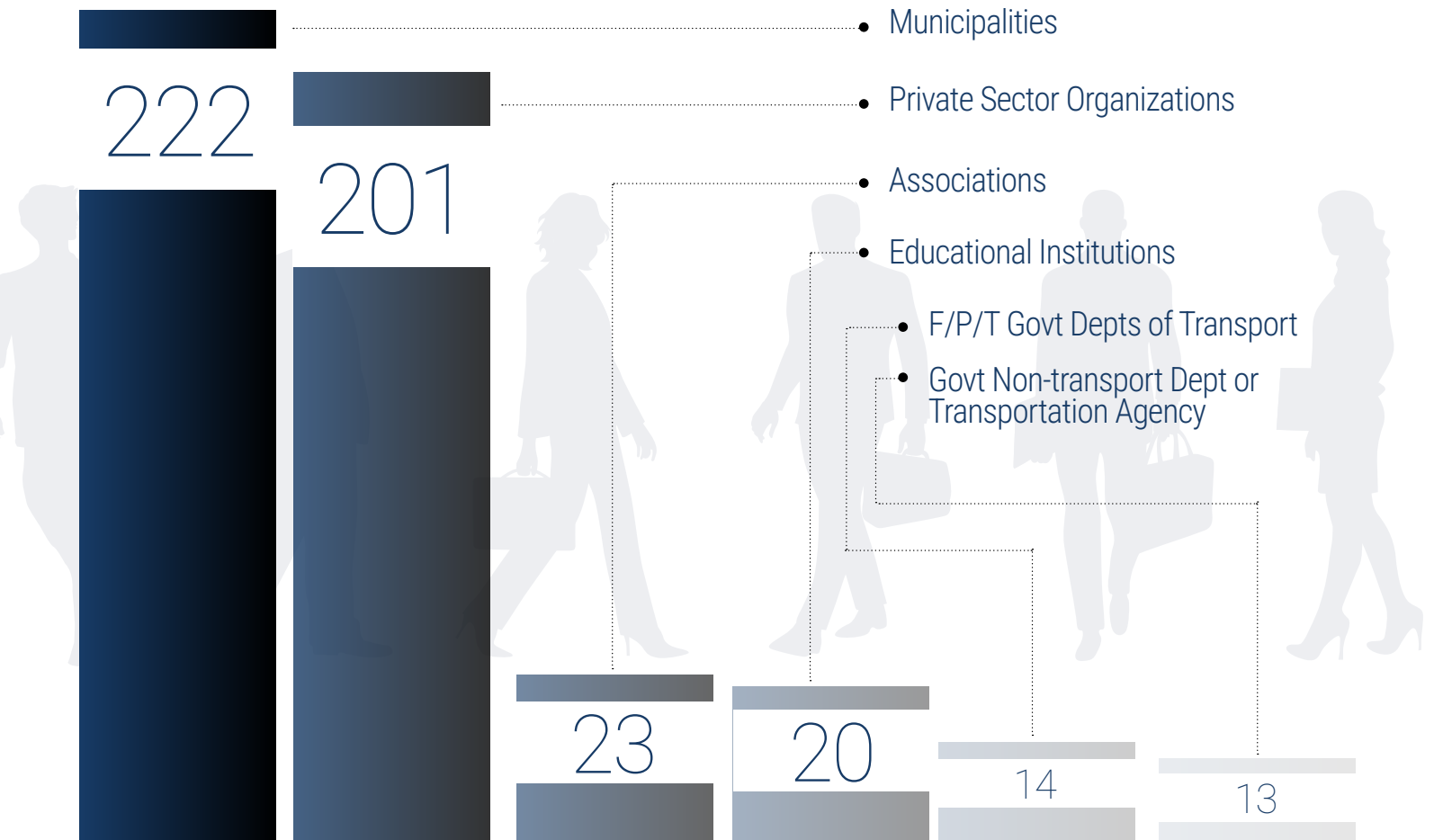
Executive Director
Transportation Association of Canada

Other Directors

Brad Anguish	Executive Director, Public Works	Halifax Regional Municipality
Jim Berezowsky	Director of Public Works	City of Winnipeg
Hugues Bessette	Director, Urban Development Projects, Urban Planning and Mobility	City of Montreal
Gerry Chaput	Director, Partnerships	Arcadis
Cory Grandy	Deputy Minister	Newfoundland and Labrador Transportation and Infrastructure
Barbara Gray	General Manager, Transportation Services	City of Toronto
Catherine Harwood	Deputy Minister	Yukon Highways and Public Works
John Hawkins	Assistant Deputy Minister	Nunavut Economic Development and Transportation
Stephanie Hébert	Assistant Deputy Minister, Programs	Transport Canada
Doug Jones	Deputy Minister	Ontario Ministry of Transportation
Ryan Klos	Deputy Minister	Manitoba Transportation and Infrastructure
Steve Loutitt	Deputy Minister	Northwest Territories Department of Infrastructure
Brian Matheson	Deputy Minister	Prince Edward Island Transportation and Infrastructure
Jeannette Montufar-MacKay	Founding Partner and CEO	MORR Transportation Consulting
Frédéric Pellerin	Assistant Deputy Minister, Engineering and Infrastructure	Ministère des Transports et de la Mobilité durable du Québec
Suzanne Proulx	Executive Director	AQTr
Patrick Puccini	Vice President	AECOM
Rob Taylor	Deputy Minister	New Brunswick Transportation and Infrastructure
Kyle Toffan	Deputy Minister	Saskatchewan Ministry of Highways
Kevin Volk	Assistant Deputy Minister, Major Projects, Infrastructure & Properties	British Columbia Ministry of Transportation and Infrastructure

2023/24 Performance

Membership Distribution



of Member
Organizations

493



Member
Retention Rate

92.7%



of Unique
Volunteers

940

2023/24 Performance

Conference Activity

113

sessions delivered

41 Funded & Volunteer Projects

8

in progress



3

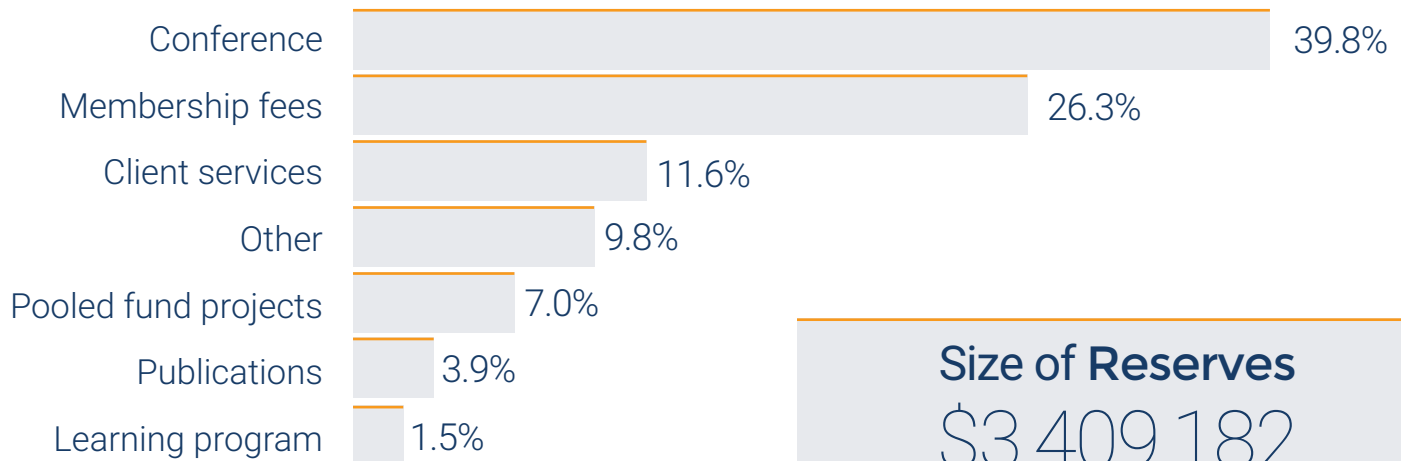
in development



30

volunteer projects

Diversification of Revenue Sources



Size of Reserves

\$3,409,182

Financial Summary *

	ACTUAL		
	2023/24	2022/23	2021/22
Revenues	\$5,020,457	\$4,423,080	\$3,517,071
Conference & Learning Program	1,781,350	1,571,749	365,050
Publication Sales	214,635	262,574	393,360
Non-Government Membership Fees	601,902	567,975	567,376
Government Membership Fees	637,998	616,422	598,465
Project Contributions & Other Income	1,784,572	1,404,360	1,592,820
Expenses	\$4,256,462	\$3,703,585	\$3,027,985
Net Revenue	\$763,995	\$719,495	\$489,086
Net Assets	\$8,374,173	\$7,406,106	\$7,268,250
Unrestricted Funds	4,005,458	3,297,148	2,690,541
Invested in Capital Assets	239,442	207,508	265,518
Defined Benefit Pension Plan	720,091	613,186	1,194,825
Internally Restricted Funds	3,409,182	3,288,264	3,117,366

*As per audited financial statements. Includes revenue for reserves and intergovernmental programs.

Advancing TAC's Work

Focus areas are the over-arching tenets that influence the technical work of the Association. Aligned with TAC's vision, **focus areas describe the core interests** of TAC's councils and committees.



Safety, Design and Operations

Death and injury on Canada's roads are a devastating and costly public health issue. The practitioners who design and operate our roads use a Safe System Approach when they develop engineering solutions that help move people and goods. TAC provides technical guidance and training to help improve vital transportation outcomes in an increasingly complex environment.



Mobility

Mobility means seamlessly moving people and goods where they need to go, using one or more modes of transportation. This is realized by seeking new and better ways to fund, plan and manage transportation systems. TAC brings its members together to tackle key mobility issues, like urban development, data collection, walking and cycling facilities, shared mobility services, goods movement, curbside management, road pricing, and electrification.



Infrastructure and Asset Management

Canadians expect our transportation infrastructure to be safe, robust, and cost-effective and to meet our social and environmental needs. TAC helps its members get value for money when managing assets by optimizing their building, maintenance, and rehabilitation materials and processes.



Environment and Climate Change

Protecting the environment while moving people and goods has always meant conserving resources, preventing pollution, and protecting natural systems. Mitigating and adapting to climate change are among our most important challenges. TAC helps its members share knowledge and experience with environmental best practices in ecology and climate.



Technology

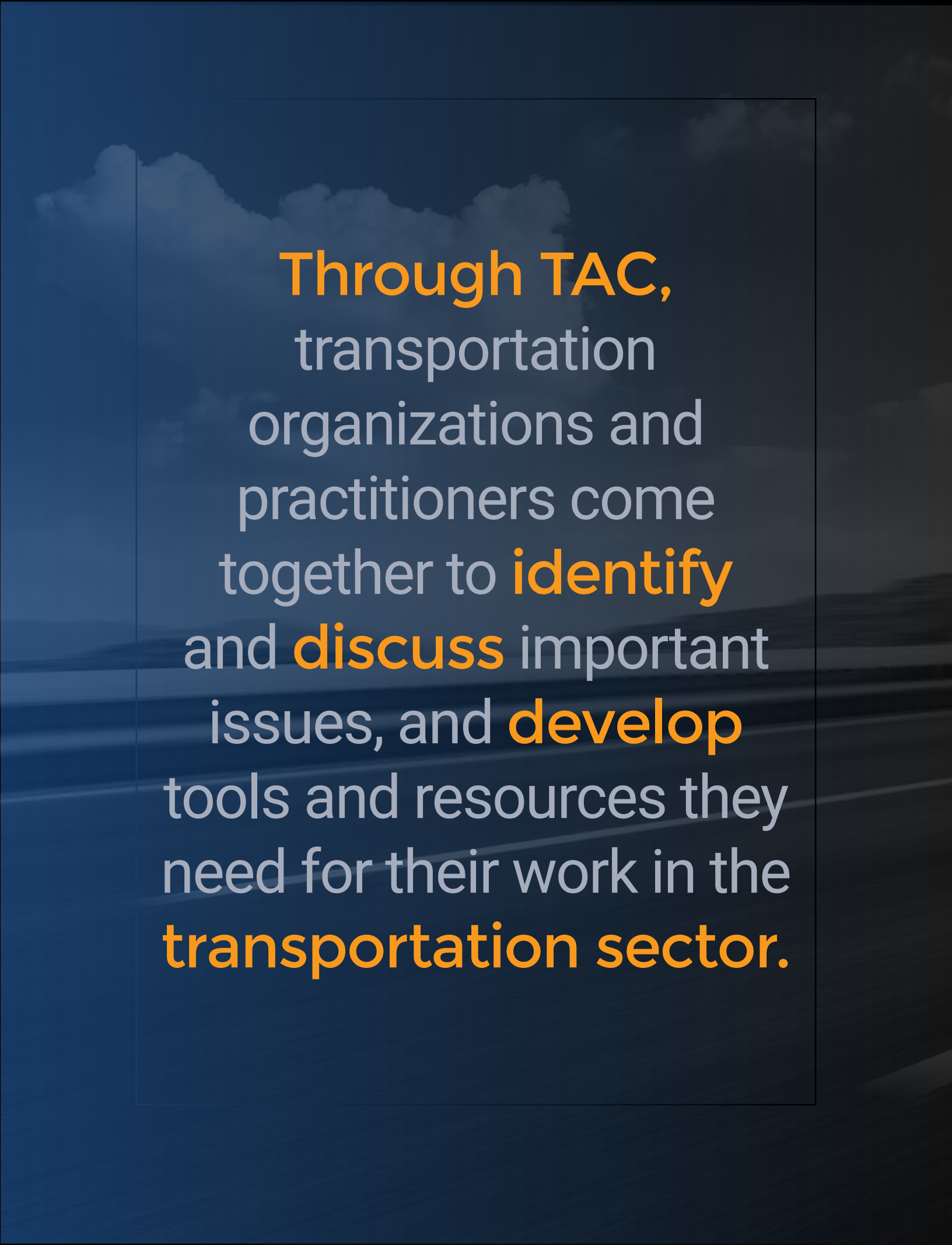
Technology is having a profound impact on how we plan, deliver and operate transportation systems. Many innovations—big data, artificial intelligence, ubiquitous connectivity, electric and automated vehicles—are promising and disruptive. They require new ways of doing things, offer surprising benefits, and could have unexpected impacts. TAC provides a forum for its members to learn, adapt and prosper.



Workforce Development

Transportation employers face worker shortages while grappling with the need to improve equity, diversity and inclusion. They are working to find, train and keep employees in various roles. Educational institutions are ensuring that new practitioners have the proper knowledge and skills. TAC helps its members build a strong workforce through strategies like education, recruiting, professional development, and knowledge management.

These are the facets that TAC presents outwardly to the world in its **technical discussions, projects, publications, and other products** for members and stakeholders.



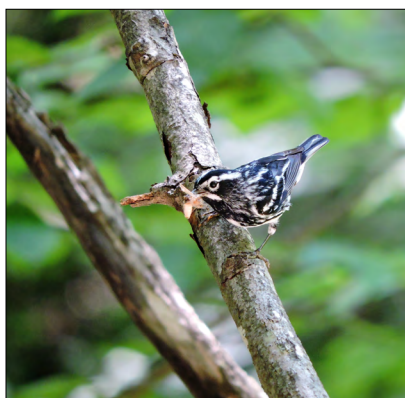
Through TAC,
transportation
organizations and
practitioners come
together to **identify**
and **discuss** important
issues, and **develop**
tools and resources they
need for their work in the
transportation sector.



Environment and Climate Change

Topics at This Year's Meetings

The Environment & Climate Change Council and its committees continue to address a range of interesting topics. This year, the Council heard presentations on net zero highways, Vancouver's Climate Emergency Action Plan, Saskatchewan's invasive weeds initiative, Ontario's Indigenous relations program, Calgary's roadside naturalization project, and climate resiliency. Other meeting guests represented the Canadian Council on Invasive Species and the Road Salt Working Group of Environment and Climate Change Canada.



Sharing Knowledge About Transportation and Wildlife

The Council works to support efforts to protect flora and fauna from the impacts of transportation projects. Recent discussions have addressed issues related to bats and bridges, fish habitat protection, migratory bird challenges and wetland compensation. Ongoing volunteer projects are looking at **strategies to prevent collisions between motor vehicles and wildlife and to reduce the negative impacts of invasive species.**

Moving Forward on Indigenous Collaboration

During a roundtable discussion at the Council's fall 2023 meeting, members confirmed the **importance of incorporating Indigenous concerns into transportation projects** and the need for proper collaboration at the environmental assessment stage. They also expressed a desire to proactively support related practices in TAC member organizations in coordination with other councils and committees.

Supporting Climate Change Mitigation and Adaptation

The Climate Change Integrated Committee is TAC's centre of expertise on **mitigating and adapting to climate change.** This year, it considered issues ranging from net zero highway strategies to municipal climate plans and integrating climate risks into design guidance.

The Environment and Climate Change Council

guides TAC in fulfilling its commitment to protecting the environment and climate in the delivery of transportation services, and in the planning, approval, design, construction, operation, maintenance and rehabilitation of transportation infrastructure.

The Council is supported by:

- Climate Change Integrated Committee
- Environmental Issues Committee
- Environmental Legislation Committee

Council Chair: Dawn Irish, Ontario Ministry of Transportation

Council Vice-Chair: Glen Furtado, Cement Association of Canada

Board Liaison: Lon LaClaire, City of Vancouver

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CLIMATE ACTION ACHIEVEMENT AWARD

This award recognizes initiatives that mitigate emissions from transportation that cause climate change and/or improve the resiliency of transportation systems in response to climate change.

Recipient: British Columbia Ministry of Transportation & Infrastructure in partnership with McElhanney Ltd.

Project: Culvert Vulnerability Asset Management System

ENVIRONMENTAL ACHIEVEMENT AWARD

This award recognizes initiatives that protect and enhance the natural environment through transportation projects.

Winner: Alberta Transportation and Economic Corridors

Project: Alberta Wildlife Watch

Infrastructure and Asset Management

The **Infrastructure & Environment Council** guides TAC in fulfilling its commitment to safe, efficient and sustainable transportation infrastructure.

The Council is supported by:

- Asset Management Committee
- Construction Committee
- Maintenance and Operations Committee
- Pavements Committee
- Soils and Materials Committee
- Structures Committee

Council Chair: Brad Neirinck,
City of Winnipeg

Council Vice-Chair: Ian Pilkington,
British Columbia Ministry of
Transportation and Infrastructure

Board Liaison: Stephanie Hébert,
Transport Canada

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Topics at This Year's Meetings

Meetings of the Infrastructure & Asset Management Council and its six committees heard about a wide variety of technical issues this year. Presentation topics included Ottawa's Transportation Asset Management Plan and the Canadian Construction Association's perspective on current procurement practices.



Northern Transportation Infrastructure Working Group

TAC's new Northern Transportation Infrastructure Working Group met for the first time. This informal group of volunteers representing TAC member organizations will report to the Infrastructure & Asset Management Council and provide a **forum for information exchange among Canada's territorial and provincial governments, consultants and academics**. Issues of concern include roads in permafrost regions, winter roads, ice roads, maintenance and project delivery practices, workforce development and **collaboration with Indigenous stakeholders**.

Update on Pooled-Fund Projects

Two projects are nearing completion – one is developing guidance on bridge deck surfacing and the other is updating TAC's **Guide to Bridge Hydraulics** to address climate change and a range of best practices. A third project that began this year will develop guidance on the use of recycled asphalt pavements for roads in Canada.

Online Training in Data Governance

TAC developed a new instructor-led online course, "**Data Governance for Performance-Based Decision Making**." The course will help transportation engineering managers meet key objectives for transparency, accountability and security in a "big data" world and will be offered for the first time in 2024/25. It represents an extension of issues addressed in TAC's 2021 publication *Performance-Based Decision Making for Asset Management: Lessons Learned and Practitioner Toolkit*.




2023

INFRASTRUCTURE ACHIEVEMENT AWARD

This award recognizes initiatives that use best practices to deliver safe, durable and efficient transportation infrastructure, with a focus on major road, highway and urban transportation assets.

Recipient: City of Kingston, ON in partnership with Hatch Systra IBT and Peter Kiewit and Sons

Project: Kingston Third Crossing (Waaban Crossing)

Safety, Design and Operations

Topics at This Year's Meetings

This year, the Council heard presentations on connected automobiles and road safety, Ottawa's automated camera-based system for speed limit enforcement, roundabouts in Canada, and increased cross slopes on roadways as a potential solution to severe weather events.



Sharing Knowledge Through Webinars

Three TAC webinars this year focused on road safety, design and operations. Almost **400** people attended an event on **traffic calming** in Ottawa, Toronto, and Edmonton, more than **200** watched a webinar on **2+1 highway planning** in Ontario, and about **70 participants** enjoyed an event on **non-standard pavement markings for crosswalks**.

Survey of Small Municipalities

TAC's Small Municipalities Integrated Committee reported on a **survey of 190 small municipality members**. The survey asked municipalities about their transportation staffing levels and core responsibilities, significant transportation challenges, engagement with TAC, and technical topics and activities of interest.

Update on Pooled-Fund Projects

Work continues on a project to develop a **new, comprehensive road safety guide for Canada**. A project that will address the design and operation of lower-speed collector and arterial roads is now actively underway, and two other projects (on road cross-section elements and flashing amber arrow signals) have launched and are at the stage of consultant selection.

The **Safety, Design & Operations Council** guides TAC in fulfilling its commitment to a safe and efficient transportation system with enhanced mobility and reduced death and injury for road users.

The Council is supported by:

- Geometric Design Committee
- Road Safety Committee
- Small Municipalities Integrated Committee
- Traffic Operations and Management Committee

Council Chair: Katie Munroe,
Yukon Highways and Public Works
Council Vice-Chair: Daniel Beaulieu,
City of Montréal
Board Liaison: Kevin Volk,
British Columbia Ministry of
Transportation and Infrastructure

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ROAD SAFETY ACHIEVEMENT AWARD

This award recognizes initiatives that apply and advance best practices in road safety engineering.

Recipient: British Columbia Ministry of Transportation & Infrastructure in partnership with the Insurance Corporation of British Columbia

Project: High Friction Surface Treatment at Signalized Intersections

SMALL MUNICIPALITIES ACHIEVEMENT AWARD

This award recognizes initiatives that improve transportation systems in rural or small urban communities, with a focus on road safety and traffic operations.

Recipient: City of Selkirk, MB

Project: Eveline Street Reconstruction

Safety, Design and Operations

Expanding TAC's Online Training Courses

TAC has continued to receive a very positive response to our **five-course "Road Safety for Canadian Practitioners" online training program**, developed in partnership with ITE Canada. This year, the courses saw over **60 new registrants** as work continued towards a French-language version.

TAC also delivered a new instructor-led online roundabout planning and design course, intended to support users of our **Canadian Roundabout Design Guide**. This course will be offered two more times in 2024/25.

Finally, TAC is working with a consultant to develop a new self-directed online course called **"Foundations of Geometric Design"** that will be based on Chapters 1 through 4 of the *Geometric Design Guide for Canadian Roads*, making use of reserve funds allocated for this purpose by the Board of Directors.



New Research on Non-Standard Crosswalk Pavement Markings

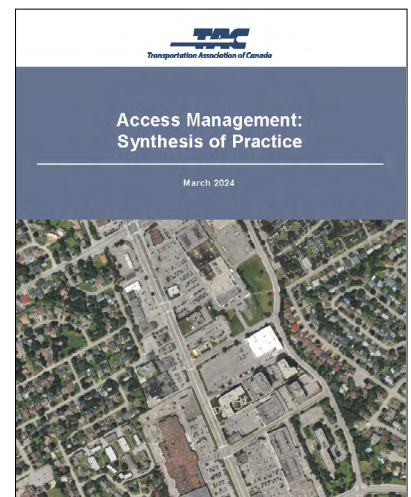
TAC released **new research on the use and impacts of crosswalk pavement markings** other than parallel white lines, zebra or ladder markings (e.g. "rainbow" crosswalks). The report resulted from a pooled fund project and addresses uncertainties about the impacts of such crosswalks on pedestrian and driver safety.

It provides a foundation for new technical guidance that would be included in a future update to TAC's *Manual of Uniform Traffic Control Devices for Canada*.

New Publication on Access Management

TAC published *Access Management: Synthesis of Practice*, which resulted from a pooled-fund project.

It addresses **current access management practices for all roadway classifications in rural, suburban and urban areas** and will provide the technical basis for a subsequent project to update "Chapter 8 – Access" of the *Geometric Design Guide for Canadian Roads*.



Mobility

Topics at This Year's Meetings

The Mobility Council, supported by its four committees, addresses many aspects of integrated, multimodal mobility. Presentations this year offered details on transportation planning in Ottawa, the Green Municipal Fund of the Federation of Canadian Municipalities, and the Canadian Urban Transit Association's work to reimagine transit in Canada. Other issues of recent interest include integrated land use and transportation planning, infrastructure delivery challenges, continuous sidewalks and bike paths, and transportation funding.

The **Mobility Council** guides TAC in fulfilling its commitment to integrated, multimodal mobility for people and goods.

The Council is supported by:

- Active Transportation Integrated Committee
- Mobility Management Committee
- Transportation Finance Committee
- Transportation Planning Committee

Council Chair: David MacIsaac, Halifax Regional Municipality

Council Vice-Chair: Elizabeth Pugh, Nova Scotia Public Works

Board Liaison: Michael Thompson, City of Calgary

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New Publication – Emerging Practice Briefing: Continuous Sidewalks and Bike Paths

This briefing is based on a project report developed by volunteers from the Active Transportation Integrated Committee. It presents information on several **implementations of continuous sidewalks and bike paths in British Columbia and Alberta**. It is intended to acknowledge this emerging practice and to help practitioners conduct further testing and evaluation. The webinar on this briefing was TAC's best attended of the year, with **453** signing in.



Update on Pooled-Fund Projects

Two projects made good progress this year and are close to being completed. One will lead to a publication on **road pricing opportunities and challenges in Canada**, while the other will document **lessons learned from the experiences of Canadian communities with shared micromobility services**. Two other projects were added to the list of those seeking funding – one would develop **guidance on curbside charging for electric vehicles**, and the other would summarize the state of **alternative financing and procurement models for major transportation projects in Canada**.

Sharing Knowledge About Transportation Modelling

TAC's Transportation Planning Committee formed a new Modelling User Group this year. This collection of practitioners will exchange information and build knowledge on **transportation modelling tools and practices in Canadian jurisdictions**. It met several times and continues to add new members.



2023

ACTIVE TRANSPORTATION ACHIEVEMENT AWARD

This award recognizes initiatives that improve facilities or services to encourage and benefit people who walk, bike or use other forms of active transportation.

Recipient: City of Ottawa, ON in partnership with Robinson Consultants Inc.

Project: Montreal Road Revitalization

MOBILITY ACHIEVEMENT AWARD

This award recognizes initiatives that deliver integrated or multimodal mobility for people and goods while reinforcing the social, economic and environmental pillars of sustainability.

Recipient: City of Calgary, AB in partnership with Ground Cubed and Urban Systems Ltd.

Project: Crescent Road N.W. Master Plan



Technology

The **Technology Council** guides TAC in fulfilling its commitment to innovative, efficient and effective technology integration across the transportation sector.

The Council is supported by:

- Connected and Automated Vehicles Integrated Committee
- Digital Applications Committee
- Intelligent Transportation Systems Committee

Council Chair: Ken Moshi,
Transport Canada

Council Vice-Chair: Ed Stubbing,
AECOM

Board Liaison: Scott Stewart,
Scott Stewart and Associates

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Topics at This Year's Meetings

TAC's Technology Council explores how technology benefits and challenges current transportation practices. Its meetings included presentations on cyber attacks and the public sector, electric vehicle charging infrastructure deployment, zero-emission vehicle infrastructure programs, Ottawa's Area X.O research and development complex, and the evolving nature of traffic management centres. The Council and its three committees also discussed topics ranging from intelligent transportation systems in rural areas to digital twinning, video analytics, and data-driven traffic signal operations.



Sharing Knowledge About Connected and Automated Vehicles

TAC partnered with CSA Group to deliver the webinar "**Codes and Standards: A Strong Foundation for Connected and Automated Vehicles in North America**" to about **150 people**. Participants at this special event heard presentations by several North American leaders on CAV infrastructure standardization needs and challenges, followed by a facilitated panel discussion. They gained valuable insights on the latest advancements in CAV infrastructure standards, stakeholder roles, and the future path toward seamless and secure implementation of CAVs.



Working Towards Harmonization of Road Authority Data

A volunteer project of the Technology Council is **exploring challenges, opportunities and priorities related to a potential framework for harmonizing road authority data in Canada**. A survey of TAC member jurisdictions in the summer of 2023 yielded baseline information on linear referencing systems, asset inventory and condition data, and the use of data from sensors and connected vehicles. Volunteers plan to produce a discussion paper in the future that would share results and identify key issues for consideration.



2023

TECHNOLOGY ACHIEVEMENT AWARD

This award recognizes initiatives that use advanced technologies to address road, highway or urban transportation challenges.

Recipient: British Columbia Ministry of Transportation and Infrastructure in partnership with PBX Engineering

Project: Automated Avalanche Detection System on Highway 37A

Workforce Development

Topics at This Year's Meetings

The Workforce Development Council continued its efforts related to education, professional development and human resources. At its meetings, members heard presentations on the accreditation of post-secondary programs that educate technicians and technologists on work by Engineers Canada related to equity, diversity and inclusion, and post-secondary accreditation. Council and committee meetings also entertained discussions on teaching and learning at Carleton University and the University of New Brunswick, on geometric design instruction for students and practitioners, job shadowing programs, and professional development programs in provincial transportation departments.

The **Workforce Development Council** guides TAC in fulfilling its commitment to supporting the development of a skilled, interdisciplinary workforce for Canada's transportation sector.

The Council is supported by:

- Education Committee
- Human Resources Committee
- Professional Development Committee

Council Chair: Brittney Speed, British Columbia Ministry of Transportation and Infrastructure

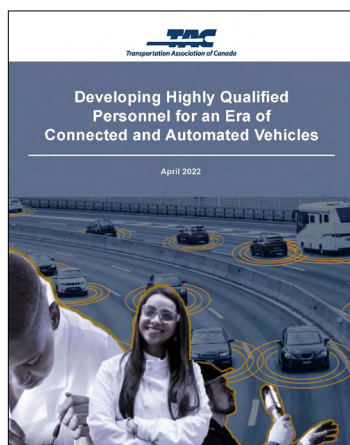
Council Vice-Chair: Rebecca Farrugia, GHD

Board Liaison: Patrick Puccini, AECOM

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Developing Highly Qualified Personnel for a Disruptive Future

The Workforce Development Council received the final report of a volunteer task force charged with prioritizing and refining the recommendations in TAC's 2022 publication **Developing Highly Qualified Personnel for an Era of Connected and Automated Vehicles**. The task force report suggests helpful actions taken by TAC's Chief Engineers Panel, Technology Council, Workforce Development Council, and Secretariat staff, and it includes a tracking tool to measure future progress.



Sharing Knowledge About Human Resources Management

Early in this fiscal year, TAC's Human Resources Committee conducted an **online survey on staff recruitment and retention in Canada's transportation sector**. The survey was designed to help TAC better understand the human resources challenges facing our 500 member organizations and identify opportunities for new projects and learning events. The survey addressed challenges and strategies related to hiring and keeping staff, and approaches to improving diversity, equity and inclusion. Committee volunteers presented the results to TAC's Board of Directors and in a webinar that attracted **70 participants** from across the country.



2023

EDUCATIONAL ACHIEVEMENT AWARD*

This award recognizes initiatives that use advanced technologies to address road, highway or urban transportation challenges.

Recipient: City of Edmonton, AB in partnership with Empower Me and the Electric Vehicle Association of Alberta

Project: Electric and Hydrogen Vehicle Expo

**This award was renamed the Workforce Development Achievement Award as of 2024.*

Other Highlights

Highlights from the 2023 TAC Conference & Exhibition

The 2023 TAC Conference & Exhibition set a new attendance record of over **1,450 delegates**. The event featured more than **80 companies in the Exhibition** and a technical program of **113 sessions, panels, workshops and 11 technical tours**. Local hosts Transport Canada and the Ontario Ministry of Transportation offered their partnership and collaboration in support of the event. The City of Ottawa also contributed toward making the event a success.

Highlights of the event, themed “**Lessons in Leadership**,” included the **Opening Plenary Session** with insights from Arun Thangaraj and Doug Jones, the **Distinguished Service Award** being conferred upon Scott Stewart, and a **keynote presentation** by Jennifer Keesmaat. Outstanding member projects receiving **2023 Technical Achievement Awards** were acknowledged during the opening, while recipients of TAC’s **Volunteer Recognition Awards and Young Professional Awards** were congratulated at lunches on Monday and Tuesday, respectively.

Networking opportunities abounded at the Welcome Reception, three programmed lunches, and the Night at the Museum event. Student Day, a Mini Career Fair and a dedicated networking reception provided valuable experiences for young professionals.

The 2023 conference showed the strength and collaborative spirit of Canada’s transportation industry, fostering connections and learning opportunities that will benefit attendees, our economy, and our people.

1,450
delegates

80
exhibiting
companies

113
sessions, panels
& workshops

11
technical tours

24-27 SEPT • OTTAWA

#TACConf

New TAC Grant for Young Innovators in Transportation

In 2023, TAC launched the **Grant for Young Innovators in Transportation** to support young professionals under 35 with over three years of experience in Canada’s transportation technology sector.

This annual grant, made possible by the **generous support of Scott Stewart & Associates**, provides financial aid to one such professional, enabling their active participation in TAC’s technical meetings and annual conference.

Grant recipients will **attend key TAC meetings, receive coaching** from industry leader Scott Stewart, and **connect with sector experts**.



Other Highlights

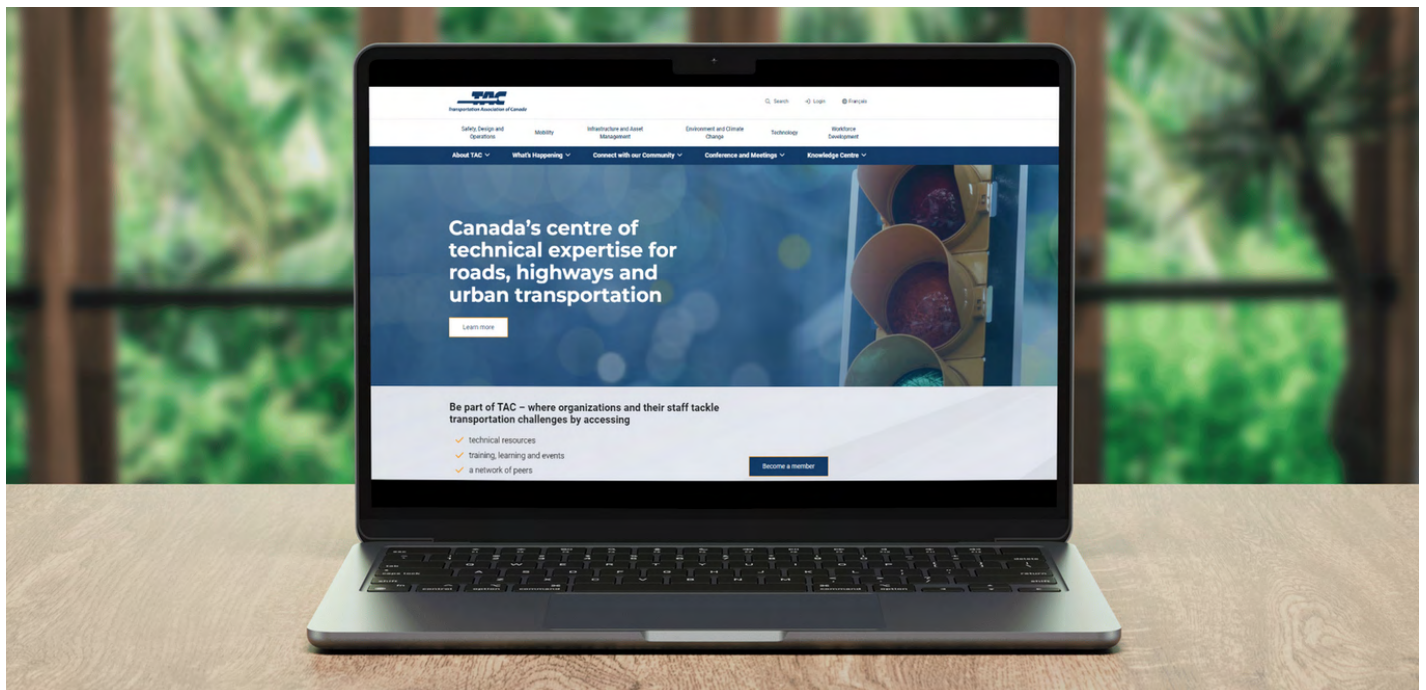
TAC's Website: A Step Toward a Better User Experience

In 2023, TAC began a project to redevelop its website, which was last redesigned in 2014. Recognizing the evolving needs of visitors, the new website will aim to **simplify TAC users' experience and make accessing the Association's technical resources easier.**

The 2023/24 fiscal year saw the delivery of a comprehensive survey to our website visitors, issuing an RFP, awarding the contract and conducting research on the existing website.

Planning the new website included **developing a new information architecture, rewriting content using simpler language and fewer words, and updating the design.**

Stay tuned to see the results of the final work to build functionality, complete the content, and test and deploy the new website by summer 2024.



Extending TAC's Reach Beyond Traditional Stakeholders

Recognizing the tremendous growth and change happening in the transportation sector, TAC continues to transform along with it. The Technology Council and its related committees **support information exchange and problem-solving related to intelligent transportation systems, connected and automated vehicles, vehicle electrification, data management, cybersecurity and smart cities.**

In the past year, TAC increased its outreach efforts to let **leaders and innovators using new technology in transportation** know that they have a place within the Association's network to share their work and help create new best practices.

The upcoming **2024 TAC Conference & Exhibition is themed "Technology & Transformation"**. Through this event and other ongoing technical work, the Association looks forward to welcoming new stakeholders with a broad range of perspectives and skill sets at its tables.



Other Highlights



Project Funding Commitments

TAC's pooled-fund project model allows member and partner organizations to **collaboratively produce national technical guidelines, syntheses of practice, and research reports**. As shown below, TAC's 2023/24 pooled-fund projects (including those in progress and in development) were supported by **54 different organizations** — with half of those funders supporting multiple projects.

This success is evidence of the benefits of a pooled-fund approach — collaborating organizations can maximize the impact of their own resources while leveraging TAC's experience in managing projects and producing respected publications. They also give their staff the opportunity to participate in project steering committees, where they work closely with peers and experts from across Canada.

Alberta Transportation and Economic Corridors	City of Montréal	National Research Council Canada
Asphalt Institute of Canada	City of Ottawa	New Brunswick Department of Transportation and Infrastructure
Autorité régionale de transport métropolitain	City of Richmond Hill	Newfoundland and Labrador Transportation and Infrastructure
Bitume Québec	City of Saskatoon	Northwest Territories Department of Infrastructure
British Columbia Ministry of Transportation and Infrastructure	City of Toronto	Nova Scotia Public Works
Bunt and Associates	City of Vancouver	Ontario Good Roads Association
Canadian Association of Road Safety Professionals	City of Vaughan	Ontario Ministry of Transportation
City of Brampton	City of Whitehorse	Ontario Road Builders' Association
City of Burlington	City of Winnipeg	Prince Edward Island Transportation and Infrastructure
City of Calgary	Colas Canada	Region of Waterloo
City of Edmonton	Durham Region	Saskatchewan Government Insurance
City of Guelph	G. Ho Engineering Consultants	Saskatchewan Ministry of Highways
City of Hamilton	Halifax Regional Municipality	Tetra Tech
City of Kamloops	Insurance Corporation of British Columbia	TransLink
City of Kelowna	ITE Canada	Transport Canada
City of Kingston	Manitoba Transportation and Infrastructure	True North Safety Group
City of Mississauga	McAsphalt Industries	York Region
City of Moncton	Ministère des Transports et de la Mobilité durable du Québec	Yukon Highways and Public Works

Over the past 20 years, TAC has collaborated with nearly **80 funding partners** to execute around **150 pooled-fund projects** with a total worth of **\$15 million**.

Other Highlights

Technical Meetings

Technical meetings allow practitioners to **contribute to and learn about progress in Canada's transportation sector**. They are also **essential to the productivity and success of TAC** as an organization.

SPRING 2023 | ONLINE

31
MEETINGS

1210
ATTENDEES

719
*unique individuals
attended 1 meeting*

10% ↑
from 2022

FALL 2023 | OTTAWA

31
MEETINGS

868
ATTENDEES

Making Connections Across the Transportation Sector

Networking is essential for sharing information and learning about the latest issues and innovations relevant to the transportation sector. TAC strives to connect with other organizations to ensure work on our shared interests is comprehensive and complementary and makes efficient use of our scarce resources. TAC connected with the following organizations in 2023/24:

American Association of State Highway and Transportation Officials • Asphalt Institute of Canada • Association of Consulting Engineering Companies – Canada • Association Québécoise des transports • Bitume Québec • Canadian Association of Road Safety Professionals • Canadian Construction Association • Canadian Council of Motor Transport Administrators • Canadian Journal of Civil Engineering • Canadian Public Works Association • Canadian Society for Civil Engineering • Canadian Technical Asphalt Association • Canadian Transport Research Forum • Canadian Urban Transit Association • Cement Association Of Canada • CNIB Foundation • Coordinating Council On Automated and Connected Vehicles • CSA Group's Connected And Automated Vehicles Advisory Council • Engineers Canada • Environment and Climate Change Canada's Road Salt Working Group • Federation of Canadian Municipalities • Information and Communications Technology Council • Interact • Invest Ottawa • ITE Canada • ITRD • ITS Canada • Mobilizing Justice • National Research Council Canada • North American Bikeshare & Scootershare Association • Ontario Good Roads Association • Ontario Road Builders' Association • Ontario Smart Mobility Readiness Forum • Special Libraries Association • Standards Council Of Canada • TAC Foundation • Technology Accreditation Canada • Transportation Research Board • Urban Robotics Foundation • World Road Association



Committee Executive Forum

This **first-ever online learning event** involved staff and volunteer leaders in presentations and discussions on committee operations, activities and products, focusing on keys to success and tips on effective leadership.

Fifty-six current committee executive volunteers participated and gave very positive feedback.



Academic Roundtable

TAC's **third Academic Roundtable** meeting convened in June 2023, with **18 researchers and instructors** in attendance. During the meeting, staff provided a brief overview of TAC's programs and services for academics and post-secondary students, and facilitated discussion on several topics.



Webinars

TAC's **free webinar program** provides year-round learning opportunities. This year, **1,848 participants attended 19 live events** – six that were mentioned in the previous sections, nine that featured winners and finalists for TAC's 2023 Technical Achievement Awards, and four corporate demo webinars with presentations by TAC sponsor organizations. Recordings of the webinars are available for on-demand viewing a day or two after each live event.

Individual and Committee Award Recipients

2023

Volunteer Recognition Awards

Distinguished Service Award

- Scott Stewart, Arcadis IBI Group

Leadership Award

- Ania Anthony, Saskatchewan Ministry of Highways
- Rob Hird, Nova Scotia Public Works
- Dr. Jonathan Regehr, University of Manitoba

Individual Contribution Award

- Mike Pearsall, Ontario Ministry of Transportation
- Denis St-Laurent, Ministère des Transports et de la Mobilité durable du Québec

Committee Excellence Award

- Road Safety for Canadian Practitioners Project Steering Committee
- Soils & Materials Committee
- Vision Zero & Safe System Subcommittee

Young Professional Awards

Young Transportation Professional Award

- Dr. Suliman Gargoum, University of British Columbia

Allan Widger Consulting Corporation Grant for Young Geotechnical Engineers in Transportation

- Dr. Sarah Bouchard, Ministère des Transports et de la Mobilité durable du Québec

Student Paper Prizes

1 st prize	2 nd prize	3 rd prize
<p>Uthpalee Hewage University of British Columbia <i>Paper: Who Uses Shared Mobility Services?</i></p>	<p>Silas Henrique Barbosa De Carvalho University of Alberta <i>Paper: Using Sensing Technology for Pavement Performance Monitoring – A Case Study in Edmonton, Alberta</i></p>	<p>Ali Faisal University of British Columbia <i>Paper: Automated Assessment of Pavement Rutting and Roughness using Mobile LiDAR data</i></p>

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