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TAC council, committee and task force meetings are open to all employees of TAC member organizations, including young professionals; students are also welcome. See our website for more information on [TAC councils and committees](#), and on TAC's upcoming [2022 Fall Technical Meetings](#).

TAC member organizations can: appoint one employee as a voting member of the Environment & Climate Change Council, Mobility Council, Technology Council, and Workforce Development Council; appoint any number of auxiliary members to any council; and appoint any number of members to any committee. [Contact us](#) to find out more.

Environment & Climate Change Council



Chair: Ethan Askey, City of Calgary
Vice-Chair: Dawn Irish, Ministry of
Transportation, Ontario

This Council guides TAC in fulfilling its commitment to protection of the environment and climate in the delivery of transportation services, and in the planning, approval, design, construction, operation, maintenance and rehabilitation of transportation infrastructure. More specifically, the Council is a national forum for information exchange and problem solving related to climate change mitigation and adaptation, environmental impact avoidance and mitigation, environmental legislation and regulation, and environmental management systems. [Read more about this Council and its committees.](#)

Meeting Highlights

2022 Spring Meetings

The Council met online on April 14 with 45 attendees. It heard presentations on cofferdam specifications and Vision Zero, and held discussions on vehicle electrification, fish passage through culverts, and fisheries habitat banking. Members provided updates on activities in their own organizations, and continued a dialogue on the Council's Strategic Framework. The Council also heard from its three committees.

The **Environmental Legislation Committee** (42 attendees) heard updates on the *Canadian Navigable Waters Act* and *Fisheries Act*, as well as a presentation on fish passage through culverts.

The **Environmental Issues Committee** (37 attendees) heard a presentation on habitat banking at the Port of Vancouver.

The **Climate Change Integrated Committee** (37 attendees) heard presentations on Montreal's Transportation Electrification Strategy, and on climate change resiliency for goods movement in the Region of Peel.

2022 Fall Meetings: A Look Ahead

On October 2, the Council will exchange roundtable updates, hear from its three committees, and hold a presentation on best practices for bats around bridges. *An [agenda](#) will be available two weeks before the meeting.*

Projects, Publications and Resources

Projects in Development

Best Practices for Assessing and Mitigating Transportation Noise and Vibration. This pooled-fund project would complete a scan of practices; review costing tools, models and decision-making criteria for planning, design and mitigation options; and review current performance criteria, implementation approaches and practices for planning and mitigation.

Projects in Progress

Invasive Species Management. This volunteer project is examining best practices for preventative actions to manage the spread of invasive species along transportation corridors.

New Resource

TAC is providing complimentary, limited-time access to its **Climate Change Risk Assessment Software (C3RAS)**, an online tool arising from a pooled-fund project, to public agency members of the Environment & Climate Change Council. [Contact us for more information.](#)

Awards

2022 Awards

At its Spring 2022 meeting, the Council approved the recipients of four awards.

TAC Climate Action Achievement Award

- Ville de Montréal, Québec – Transportation Electrification Strategy

TAC Environmental Achievement Award

- Regional Municipality of Durham, Ontario – Victoria Street Reconstruction and Widening

TAC Leadership Award

- Shauna Lehmann, Saskatchewan Ministry of Highways

TAC Individual Contribution Award

- Stephen Legaree, Alberta Transportation

[Watch a free recorded webinar](#) with presentations by 2022 TAC Climate Action Achievement Award finalists.

[Watch a free recorded webinar](#) with presentations by 2022 TAC Environmental Achievement Award finalists.

[Read the TAC 2022 Awards booklet.](#)

Infrastructure & Asset Management Council



Chair: Jennifer Graham Harkness, Ontario Ministry of Transportation
Vice-Chair: Brad Neirinck, City of Winnipeg

This Council guides TAC in fulfilling its commitment to safe, efficient and sustainable transportation infrastructure. More specifically, the Council is a national forum for information exchange and problem solving related to soils and materials, pavements, structures, asset management, and construction and maintenance practices. [Read more about this Council and its committees.](#)

Meeting Highlights

2022 Spring Meetings

The Council met online on April 29 with 27 attendees. It held discussions on moving to net-zero emissions in the roadway construction industry, asset management classes and maturity, pavement condition index and collection methodology, fuel and steel surcharge indexes, and environmental product declarations for GU and GUL cements. It also heard from its six committees.

The **Asset Management Committee** (67 attendees) heard updates from several other TAC committees, and received presentations on asset management sustainable infrastructure (AMSI) and performance-based asset management.

The **Construction Committee** (38 attendees) discussed public-private partnerships and alternative project delivery, road cuts and coring, and engagement with Indigenous stakeholders. It also received presentations on excess soils and Indigenous engagement in the Northwest Territories.

The **Maintenance & Operations Committee** (33 attendees) held presentations and discussions on Edmonton's sidewalk active transportation strategy, flooding in British Columbia, and wider plows.

The **Pavements Committee** (77 attendees) heard presentations on ME design trials and reduced spring load restrictions in Ontario. A discussion was held on unbound roads management, and subcommittees provided updates.

The **Soils & Materials Committee** (64 attendees) with presentations on the Saskatoon interchange project and from the Canadian Geotechnical Society. Discussions were held on longitudinal joint construction and moving to net-zero emissions in the roadway construction industry.

The **Structures Committee** (50 attendees) received updates from other TAC committees and on the CSA Group's Canadian Highway Bridge Design Code 2025. Presentations were heard on culvert assets in New Brunswick, and on the design of lateral bridge slide with integral abutments.

2022 Fall Meetings: A Look Ahead

On October 2, the Council will meet to hear from its six committees and hear presentations on priority topics suggested by those committees. An [agenda](#) will be available two weeks before the meeting.

Projects, Publications and Resources

Projects in Development

Guide to Maintaining and Repairing Small Culverts.

This pooled-fund project would explain maintenance and repair interventions for culverts up to 3 metres in diameter. The guide will address all culvert materials but will focus on steel, concrete and HDPE as they are most common.

Projects in Progress

Guide to Bridge Deck HMA Paving in Canada. This pooled-fund project will guide the use of hot-mix asphalt for paving bridge decks. It will develop key performance indicators, selection criteria, a flowchart

for projects, suggested specifications for various alternatives, and construction QA/QC minimum requirements and test procedures.

Guide to Bridge Hydraulics, Third Edition. This pooled-fund project will update and expand provisions in the guide related to climate change, and make it a more practical tool for bridge and hydrotechnical engineers.

The Council's committees also have **five volunteer projects** in progress.

Recent Publications

Guide to Evaluating Soil and Material Stabilization Products. This new guide summarizes best practices for evaluating soil and material stabilization treatments, and recommends guidelines to help Canadian agencies evaluate and select soil stabilization products. [Purchase this guide from TAC's Bookstore](#), [read a free primer on the guide](#), or [watch a free recorded webinar on this project](#).

Performance-Based Decision Making: Lessons Learned and Practitioner Toolkit. This new report examines performance-based evaluation, optimization and decision-making processes and techniques, and recommends tools to support goals such as cross-asset optimization. [Download this free report](#) and [watch a free recorded webinar on this project](#).

Guide to Utility Coordination on Public-Private Partnership (P3) Projects. This new guide is a template for public- and private-sector partners to develop a utility coordination process for the major phases of P3 planning, request for proposal preparation, in-market design, project implementation, and post-construction. [Download this free guide](#) and [watch a free recorded webinar on this project](#).

Awards

2022 Awards

At its Spring 2022 meeting, the Council approved the recipient of one award.

TAC Infrastructure Achievement Award

- British Columbia Ministry of Transportation and Infrastructure – Ten Mile Slide Slope Stabilization

[Watch a free recorded webinar with presentations by 2022 TAC Infrastructure Achievement Award finalists.](#)

[Read the TAC 2022 Awards booklet.](#)

Mobility Council



Chair: Brian Hollingworth, City of Hamilton

Vice-Chair: David MacIsaac, Halifax Regional Municipality

This Council guides TAC in fulfilling its commitment to integrated, multimodal mobility for people and goods. It is a national forum for information exchange and problem solving related to: planning, monitoring, governing and funding transportation systems, particularly in urban areas; understanding and managing transportation demand; and delivering mobility services related to active transportation, public transit and other modes in communities of all sizes.

[Read more about this Council and its committees.](#)

Meeting Highlights

2022 Spring Meetings

The Council met online on April 11 with 37 participants. It received committee reports and organizational updates, approved a new pooled-fund project proposal, and heard presentations from TransLink and Ontario's Ministry of Transportation on their new regional transportation plans for 2050. Attendees held focus issue discussions on universally accessible design; mobility service data in municipalities; critical issues in transportation funding; and incorporating equity in transportation planning. The Council also integrated an informal networking activity into its online meeting, using Zoom breakout groups to help participants get to know each other a little better.

The **Active Transportation Integrated Committee** (59 attendees) reviewed the status of several initiatives to update TAC design guidance, heard about relevant activities of several other TAC committees, and heard a presentation on the City of Nanaimo's new complete street, Metral Drive, that features continuous sidewalks at intersections with local streets. It also held a roundtable discussion using Mentimeter to engage attendees.

The **Mobility Management Committee** (20 attendees) heard a presentation on last-kilometre goods movement in Canadian communities, refined its work plan on several priority topics (and added a new topic on electric vehicles), approved a new pooled-fund project proposal on micromobility services, and held a roundtable with organizational updates from members.

The **Transportation Finance Committee** (14 attendees) heard updates on two volunteer projects, advanced plans for several conference sessions, and shared roundtable updates.

The **Transportation Planning Committee** (21 attendees) refined its work plan and list of priority topics, reviewed outcomes of its recent Lunch & Learn event on equity, and heard from three volunteer working groups (on land use, mobility data collection, and health, equity and accessibility).

2022 Fall Meetings: A Look Ahead

On October 2, the Council will exchange roundtable updates, hear from its four committees, and discuss several emerging topics suggested by those committees. An [agenda](#) will be available two weeks before the meeting.

Projects, Publications and Resources

Projects in Development

Shared Micromobility Services in Canadian Communities. This pooled-fund project would explore lessons learned by Canadian organizations in planning, implementing and managing shared micromobility services. It will document the role of shared micromobility services within a growing spectrum of mobility options, how to leverage micromobility services to make transportation systems more sustainable, and where key opportunities for micromobility exist.

Projects in Progress

Mobility Pricing Opportunities and Challenges. This pooled-fund project will identify and explain the major opportunities and challenges posed by road user charges as a mobility pricing tool in the Canadian context. It will address policy priorities, emerging technologies and business models, and trends in travel behaviour and consumer preferences.

Canadian Active Transportation Snapshot. This volunteer project is developing a portrait of active transportation in communities of all sizes. It will identify emerging challenges and opportunities, and summarize key practices and trends in planning, policy, design, implementation, data collection and monitoring.

Importance of Transportation Funding: Framing the Issues. This volunteer project will describe and

categorize key issues around transportation system funding in Canada, and suggest directions for future research. Its goal is to build awareness and support informed dialogue within TAC councils and committees.

Awards

2022 Awards

At its Spring 2022 meeting, the Council approved the recipients of three awards.

TAC Active Transportation Achievement Award

- City of Toronto, Ontario – ActiveTO Midtown Complete Street Pilot (in partnership with IBI Group)

TAC Mobility Achievement Award

- City of Ottawa, Ontario – Protected Intersection Design Guide (in partnership with Alta Planning + Design Canada)

TAC Individual Contribution Award

- Marian Mithani, City of Toronto

[Watch a free recorded webinar](#) with presentations by 2022 TAC Active Transportation Achievement Award finalists.

[Watch a free recorded webinar](#) with presentations by 2022 TAC Mobility Achievement Award finalists.

[Read the TAC 2022 Awards booklet.](#)

Safety, Design & Operations Council



Chair: Ashley Curtis, City of Toronto

Vice-Chair: Vacant

This Council guides TAC in fulfilling its commitment to a safe and efficient transportation system with enhanced mobility and a reduced rate of death and injury among all road users. More specifically, the Council is a national forum for information exchange and problem solving related to road safety programs, geometric design and traffic operations as key elements of a safe systems approach; it also offers a lens on priority issues for small municipalities. [Read more about this Council and its committees.](#)

Meeting Highlights

2022 Spring Meetings

The Council met online on April 8 with 31 participants. It heard a presentation on Transport Canada's Advance Driver Assistance System Testing, and held discussions on applying the PIEVC screening guide to TAC's *Geometric Design Guide for Canadian Roads*, road safety and equity, winter road maintenance and municipal liability, and traffic management and road space reallocation. It also heard updates from its four committees.

The **Geometric Design Committee** (58 attendees) received updates from other TAC committees, and discussed interchanges, access management, cross sections, over-dimensional vehicles, and climate change.

The **Road Safety Committee** (91 attendees) heard presentations on road safety reform through the lens of disaster investigations, and Vision Zero and Safe Systems.

The **Small Municipalities Integrated Committee** (30 attendees) discussed ways to engage small municipalities, and received presentations on multimodal networks in smaller communities and municipal liability for winter road maintenance.

The **Traffic Operations & Management Committee** (49 attendees) received updates from its subcommittees and from the FHWA and NCUTCD in the United States. It also heard updates on volunteer projects.

2022 Fall Meetings: A Look Ahead

On October 2, the Council will meet to hear updates from its four committees, presentations on priority topics suggested by those committees, and a final presentation on TAC's project on non-standard pavement markings for crosswalks. An [agenda](#) will be available two weeks before the meeting.

Projects, Publications and Resources

Projects in Development

Signalized Turning Movements in the Presence of Cycling Facilities. This pooled-fund project would investigate permissive turn signal applications to support safety and other goals. It would define specific Canadian applications and identify accompanying needs such as new traffic controller firmware.

Road Safety Guide for Canada. This pooled-fund project would develop a comprehensive national road safety guide that addresses gaps in TAC’s current publications and references other road safety guides and practices. It would focus on engineering in rural and urban conditions, and provide connections to strategic and policy issues. *This project is almost fully funded, and will launch soon.*

Projects in Progress

Access Management: Synthesis of Practice. This pooled-fund project would synthesize current access management practices for all roadway classifications across Canada, and will provide the basis for a project to create a new Chapter 8 in the *Geometric Design Guide for Canadian Roads*.

Non-Standard Pavement Markings for Crosswalks. This pooled-fund project is researching non-standard pavement markings for crosswalks to understand their impact on: driver perception and recognition of crosswalks; driver and pedestrian distraction; slip and skid resistance; and recognition by automated driving systems.

The Council’s committees also have **more than 20 volunteer projects** in progress.

Recent Publications

TAC Sign Patterns. This product complements the *Manual of Uniform Traffic Control Devices for Canada* (MUTCDC). It encourages traffic control uniformity across Canada and compatibility throughout North

America, and provides users and manufacturers with accurate patterns to be used when producing traffic control signs. [Get information about purchasing this product.](#)

Awards

2022 Awards

At its Spring 2022 meeting, the Council approved the recipients of four awards.

TAC Road Safety Achievement Award

- Regional Municipality of York, Ontario – Pedestrian and Cycling Intersection Safety Pilot (in partnership with EXP)

TAC Small Municipalities Achievement Award

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

TAC Leadership Award

- Pedram Izadpanah, True North Safety Group

TAC Individual Contribution Award

- Bruno Marquis, Ministère des Transports du Québec

[Watch a free recorded webinar](#) with presentations by 2022 TAC Road Safety Achievement Award finalists.

[Watch a free recorded webinar](#) with presentations by 2022 TAC Small Municipalities Achievement Award finalists.

[Read the TAC 2022 Awards booklet.](#)

Technology Council



Chair: Jeannette Montufar, MORR Transportation Consulting
Vice-Chair: Ken Moshi, Transport Canada

This Council guides TAC in fulfilling its commitment to the innovative, efficient and effective integration of technology across the transportation sector. More specifically, the Council is a national forum for information exchange and problem solving related to intelligent transportation systems, connected and automated vehicles, vehicle electrification, data management, cyber security and smart cities. [Read more about this Council and its committees.](#)

Meeting Highlights

2022 Spring Meetings

The Council met online on April 20 with 36 attendees. Participants heard presentations on Vision Zero and the CSA Group’s CAV initiatives, reviewed the Council’s Strategic Framework, exchanged organizational updates and heard reports from the Council’s two technical committees and the CAV Task Force. Notably, the Council also approved terms of reference for a new Connected & Automated Vehicles Integrated Committee that will take over from the CAV Task Force after the conclusion of the 2022 spring meetings.

The **Digital Applications Committee** (13 attendees) discussed topics of interest including digital twins and open datasets.

The Intelligent Transportation Systems (ITS)

Committee (14 attendees) discussed its five 2022 Conference sessions, current topics of interest including rural ITS and smart work zones, and a possible survey of its members to confirm a broader set of technical priorities.

2022 Fall Meetings: A Look Ahead

On October 2, the Council will consider a volunteer project proposal related to harmonizing road authority data, hear updates from its three committees, and receive presentations on emerging technology issues. Attendees will also exchange organizational updates and refine the Council's Strategic Framework. An [agenda](#) will be available two weeks before the meeting.

Awards

2022 Awards

At its Spring 2022 meeting, the Council approved the recipient of one award.

TAC Technology Achievement Award

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

[Watch a free recorded webinar](#) with presentations by 2022 TAC Technology Achievement Award finalists.

[Read the TAC 2022 Awards booklet.](#)

Workforce Development Council



Chair: Sean Nix, Mohawk College
Vice-Chair: Brittney Speed, British Columbia Ministry of Transportation and Infrastructure

This Council guides TAC in fulfilling its commitment to supporting the development of a skilled, interdisciplinary workforce for Canada's transportation sector. More specifically, the Council is a national forum for information exchange and problem solving related to: recruiting and retaining professional and technical staff; building leadership and managing knowledge within TAC member organizations; encouraging post-secondary institutions to develop and enhance transportation-related programs; and encouraging students to learn about and find employment in the transportation sector. [Read more about this Council and its committees.](#)

Meeting Highlights

2022 Spring Meetings

The Council met online on April 13 with 24 attendees. It held a panel session with three invited speakers addressing the recruitment and retention of technical experts in TAC member organizations, heard reports from the Council's three committees, discussed emerging issues and exchanged organizational updates.

The **Education Committee** (12 attendees) discussed the use of TAC products as teaching tools, and how to increase student awareness of transportation careers

and student involvement in TAC. It also advanced plans for a conference session on developing highly qualified personnel.

The **Human Resources Committee** (13 attendees) discussed hybrid work models, compensation for highly qualified personnel, an upcoming survey of TAC member organizations on recruitment practices, and several conference sessions.

The **Professional Development Committee** (16 attendees) discussed its 2022 conference sessions as well current topics of interest including online learning, the asset management journey, and models for mentoring and knowledge transfer.

2022 Fall Meetings: A Look Ahead

On October 2, the Council will consider options for building on TAC's recently completed project on highly qualified personnel, hear from invited speakers, and receive reports from its three committees. An [agenda](#) will be available two weeks before the meeting.

Projects, Publications and Resources

Recent Publication

Developing Highly Qualified Personnel for an Era of Connected and Automated Vehicles. This report assesses the skills gap faced by road authorities, and proposes measures such as training and academic programs to address it. [Download this free report](#) and [watch a free recorded webinar](#) on this project.

Contact Us

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Workforce Development Council

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Environment & Climate Change Council
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