Registration

Hall 2000
Sunday, October 05 8:00 - 19:00

Description:

Prayer Room

Prayer Room - 305
Sunday, October 05 8:00 - 17:00

Description:

Presenter & Moderator Lounge/Ready Room

205B
Sunday, October 05 12:00 - 17:00

Description:

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

Tour: Traffic Management Centre

Sunday, October 05 13:00 - 14:30

Description:

Pre-registration required

Capacity: 24 Participants
Mode of Transportation: Bus

The Traffic Management Center ensures effective management of the Ministry’s road network, both in terms of prevention and intervention, to ensure user safety and facilitate province-wide travel. Operating 24 hours a day, 365 days a year, this essential service monitors the network, alerts emergency services and supports recovery operations.

CO.4 Solving Utility Conflicts on Projects

308B
Sunday, October 05 13:00 - 16:00

Moderator

Ophir Wainer

Presenter

Steve Murphy, Lawrence Arcand, Mark Cavanaugh, Roy Sturgill, Blaine Hunt

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

The workshop will present three potential utility problems. In small teams, workshop participants will tackle one problem then present their insights to the full group for discussion.

Tour: Canam Bridges – Québec City Plant Tour

Sunday, October 05 13:00 - 16:00

Description:

Pre-registration required

Capacity: 24 Participants
Mode of Transportation: Bus

This tour is not accessible to persons with reduced mobility.

Canam Bridges is delighted to welcome you to its Quebec City plant. From design to finishing, discover the steel bridge manufacturing process which has contributed to major projects such as the new Champlain Bridge and the Gordie Howe International Bridge. The tour includes a visit to Canam Bridges' brand-new robotic paint and metallizing plant, an important addition that further enhances the quality of its projects.

Personal Protection Equipment (PPE) required:

- **Provided:** Hard hats and safety goggles
- **Not provided:** Steel-toed footwear

Tour: 2025 National Snowplow Championship – Grand Finale (Afternoon)

Sunday, October 05 13:30 - 16:45

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

The Charlesbourg Transportation Training Centre will host the TPQuébec National Snowplow Operator Championship on Sunday, October 5. This public event places you at the heart of the grand finale, where top operators compete with precision, speed, and mastery of safety procedures on technical courses. A unique opportunity to witness operational excellence in winter road maintenance and the practices that support performance and roadway safety across Canada.

Women in Transportation – 2nd Annual Meet & Greet

Foyer 206
Sunday, October 05 15:00 - 16:00

Description:

Wine & Cheese Mixer; Business casual attire.

Creating new experiences to help you grow your network. The WTS Toronto Area Chapter is hosting an opportunity for you to meet fellow *Women in Transportation* TAC Conference attendees.

Join us on Sunday, October 5, from 15:00 to 16:00 ET for a wine and cheese mixer designed to kick-start your TACConf networking experience.

Awards Ceremony

Room 200
Sunday, October 05 16:00 - 17:00

Description:

Business casual attire

The Transportation Association of Canada (TAC) is proud to host a new **Awards Ceremony** during the 2025 TAC Conference & Exhibition to celebrate this year's award recipients. This event highlights **outstanding achievements and contributions** from across Canada's transportation sector, recognizing the leadership, innovation, and dedication of TAC's organizations and individuals.

Join us as we celebrate excellence through three distinct award categories:

- Technical Achievement Awards Recognizing outstanding initiatives in Canada's transportation sector, with a focus on roads, highways, and urban transportation.
- Young Professional Awards Recognizing emerging practitioners in Canada's transportation sector.
- Volunteer Recognition Awards Highlighting the exceptional contributions made by our volunteers, both individuals and groups.

The ceremony will include brief remarks, onstage presentations, and reflections from distinguished honorees.

Award Winners – Capture the Moment!
After the ceremony, award recipients are asked to stay for official photos, and can then stop by the **flipbook station** to create a print or digital keepsake to mark the occasion!

Welcome Reception

Foyer and Room 2000
Sunday, October 05 17:00 - 19:00

Description:

Business casual attire. Paid bars will be available; only credit and debit cards will be accepted.

Say "Bienvenue" to the 2025 TACConf at the Welcome Reception
Set in the spacious Foyer and Room 2000 of the Québec City Convention Centre, this year's Welcome Reception offers a relaxed start to your TAC Conference experience.

Reconnect with colleagues, make new connections, and enjoy a drink and light hors d'oeuvres featuring **local flavours** as you explore the Exhibition. Whether you're a first-time attendee or a TACConf regular, this is the perfect opportunity to ease into the week's events.

Plus, skip the Monday rush — **pick up your badge early on Sunday** and get a head start on everything the conference has to offer.

Exhibition Open

Foyer and Room 2000
Sunday, October 05 17:00 - 19:00

Description:

Business casual attire

The Exhibition is the hub of activity at the 2025 TACConf, bringing together over **80 exhibiting companies** from across Canada. It opens during the **Welcome Reception on Sunday evening (17:00–19:00 ET)** and remains accessible throughout the day on **Monday and Tuesday.** Be sure to explore the booths and connect with suppliers, consultants, and government partners before the Exhibition closes at **16:00 ET on Tuesday.**

The Exhibition Hall and Foyer also offer a variety of features and services to enhance your conference experience:

- **Mobile phone charging station** – Rent a complimentary portable battery (secured with a credit card).
- **Continental breakfasts, coffee breaks, and desserts** – Enjoy refreshments throughout the day, including **dessert and coffee served after lunch.**
- **Lounge furniture** – Take a break, catch up on notes, or connect with colleagues.
- **LED wall** – Stay informed with conference updates and announcements.

Registration

Hall 2000
Monday, October 06 7:30 - 18:00

Description:

Exhibition Open

Foyer and Room 2000
Monday, October 06 8:00 - 16:00

Description:

Business casual attire

The Exhibition is the hub of activity at the 2025 TACConf, bringing together over **80 exhibiting companies** from across Canada. Be sure to explore the booths and connect with suppliers, consultants, and government partners before the Exhibition closes at **16:00 ET on Tuesday.**

The Exhibition Hall and Foyer also offer a variety of features and services to enhance your conference experience:

- **Mobile phone charging station** – Rent a complimentary portable battery (secured with a credit card).
- **Continental breakfasts, coffee breaks, and desserts** – Enjoy refreshments throughout the day, including **dessert and coffee served after lunch.**
- **Lounge furniture** – Take a break, catch up on notes, or connect with colleagues.
- **LED wall** – Stay informed with conference updates and announcements.

Continental Breakfast in the Exhibition Hall

Foyer and Room 2000
Monday, October 06 8:00 - 8:30

Description:

Prayer Room

Prayer Room - 305
Monday, October 06 8:00 - 17:00

Description:

Presenter & Moderator Lounge/Ready Room

205B
Monday, October 06 8:00 - 17:00

Description:

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

Opening Plenary Session

Room 200
Monday, October 06 8:30 - 10:00

Description:

Business casual attire

This year's Opening Plenary Session will begin with welcome remarks from conference dignitaries and transition to a panel discussion offering diverse perspectives on the 2025 Conference theme, **"Building a Sustainable Transportation Legacy." Sarah Wells**, Executive Director of TAC, will serve as the moderator, and the panel will comprise transportation leaders from federal, provincial, and municipal governments:

- • **Frédéric Pellerin** , Ministère des Transports et de la Mobilité durable (Québec)
  Frédéric holds a degree in geological engineering and a master's degree focused on the recycling of road materials. He is the Assistant Deputy Minister for Engineering and Infrastructure at the Ministère des Transports et de la Mobilité durable du Québec, as well as the Canada–Québec First Delegate to the World Road Association (PIARC). A member of the board of directors of TAC and part of its Chief Engineers' Council, he has over 20 years of experience in road infrastructure project management, contract management, and major road projects.

- • **Stephanie Hébert** , Transport Canada
  Stephanie was appointed Assistant Deputy Minister, Programs Group, at Transport Canada in Ottawa in July of 2021. With over 25 years in public service, she was an ADM at Employment and Social Development Canada, and held executive roles with Service Canada, Treasury Board Secretariat, and Canadian Heritage. Her leadership spans communications, stakeholder relations, federal–provincial affairs, service transformation, and program delivery. Stephanie holds a BA from Carleton University, a Master's in Professional Communication from Royal Roads University, and certificates in Public Sector Leadership and Governance.

- • **Lon LaClaire** , City of Vancouver
  As the General Manager of Engineering Services at the City of Vancouver, Lon oversees 2,200 staff and $800M in annual operating and capital budgets. Passionate about "city building", he leads the design, construction, and maintenance of public infrastructure and directs planning and regulatory functions across the city's largest department to deliver key services, including transportation, water, sewers, waste management, and district energy. With over 20 years in the Transportation Division, Lon previously served as Director of Transportation. He holds degrees from Concordia University and the University of Calgary in engineering.

  Together, the panel will explore what it means to build a sustainable legacy, highlight local and national initiatives, and reflect on how governments can collaborate more effectively to advance shared transportation priorities. The discussion will include an opportunity for the audience to ask questions.

  This event will be recorded and made available to registered delegates after the conference.

Refreshment Break

Foyer and Room 2000
Monday, October 06 10:00 - 10:30

Description:

RS.10 Road Safety Planning, Safe System and Vision Zero

202
Monday, October 06 10:30 - 12:00

Moderator

Soroush Salek

Presenter

Lara Bouck, Melissa Porcaro, David Smith, Arlene Pinay, Justin White

Description:

Organized by the Road Safety Committee

Ministry of Transportation Ontario Safe System Assessment Framework
Soroush Salek, CIMA+
Justin White, Ontario Ministry of Transportation

The $1 Million Plan to Eliminate Traffic Deaths and Serious Injuries - Vision Zero Central Florida
Lara Bouck, MetroPlan Orlando
Melissa Porcaro, HDR Corporation

Cote First Nation - Improving Community Safety through Safe Transportation Planning
David Smith, AECOM Canada ULC
Arlene Pinay, Cote First Nation

GD.1 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

306A
Monday, October 06 10:30 - 12:00

Moderator

Tim Murphy

Presenter

Monique Aubry, Julia Maloney, Douglas Raby, Kevin Barrett, Bernard James

Description:

Organized by the Geometric Design Committee

Gouvernance binationale, les enjeux et les opportunités : Le cas du projet Tunnel Transalpin Lyon-Turin
Monique Aubry, Université du Québec à Montréal

Participating in Highway Projects in Ontario through the Independent Quality Assurance Firm model
Julia Maloney, Parsons
Bernard James, Parsons

Britannia Road Transformed: Forging a 9.2-Kilometer, 6-Lane Super Corridor with Vital Water & Wastewater Infrastructure Amidst Dynamic Challenges
Douglas Raby, Jacobs
Kevin Barrett, Regional Municipality of Halton

SO.1 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

203
Monday, October 06 10:30 - 12:00

Moderator

Amin Mneina

Presenter

Hanaa Al-Bayati, Daniel Baggio, M. Alauddin Ahammed, Tim Smith

Description:

Organized by the Soils and Materials Committee

Effect of Coarse Recycled Aggregates and Supplementary Cementitious Materials for Interlocking Concrete Pavers Performance
Hanaa Al-Bayati, University of Waterloo

Case Study on the Use and Performance of Concrete Roundabouts in the County of Essex
Daniel Baggio, County of Essex
Tim Smith, Cement Association of Canada

An Investigation of the Benefits of Recycled Glass Powder as a SCM and GUL Cement
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure

---

ST.1 Transportation Structures

309B
Monday, October 06 10:30 - 12:00

Moderator

Azita Azarnejad

Presenter

Joel Covert, Mohammad Sherjeel Akbar, Keith Kirkwood, Derek Simms

Description:

Organized by the Structures Committee

Pattullo Bridge Replacement: Surrey Multi-Use Path Structure, Design & Construction Challenges
Mohammad Sherjeel Akbar, Hatch

Two Galloping Goose Trail Pedestrian Bridges - Designed with Active Transportation Users in Mind
Keith Kirkwood, Stantec Consulting Ltd.

The Challenges of Replacing Existing Pot-Bearings
Joel Covert, Egis
Derek Simms, Egis

CC.10 Emergency Preparedness in the Face of Climate Change and Extreme Weather Events

309A
Monday, October 06 10:30 - 12:00

Moderator

Andrew Harkness

Presenter

Jean-François Lépine, Sam Worrall, Rebecca Leitschuh, Mani Rajendran

Description:

Organized by the Climate Change Integrated Committee

As climate change impacts intensify, communities are increasingly exposed to severe and unpredictable weather events. This session will explore the urgent need for adaptive emergency preparedness strategies to address the growing frequency and intensity of extreme weather incidents—ranging from wildfires and hurricanes to flooding and prolonged heat waves. Attendees will gain insights into the latest risk assessment models, innovative response planning, and the importance of resilient infrastructure and community and network-based strategies to protect lives and property.

DA.2 Data Governance, AI and the Future of the Transportation

308A
Monday, October 06 10:30 - 12:00

Moderator

Jonathan Parent

Presenter

Jesse Coleman, Daniel Weng, Rod Malehmir, Arif Rafiq

Description:

Organized by the Digital Applications Committee

Most transportation authorities are aware of emerging sensor technologies and other new data sources, but many have limited resources to assess, procure and manage them. Some hesitate to replace tried-and-true tools (e.g. manual counts, pneumatic tubes), or to establish proactive data governance and management strategies. This session will feature a wide-ranging discussion around data governance and management practices, and the need for structured approaches to adopting and using emerging data sources and tools including AI.

CO.1 Cost-Effective Construction Solutions for an Aging and Underfunded Network

204B
Monday, October 06 10:30 - 12:00

Moderator

Philippe Normand

Presenter

Etienne Gill-Lachance, Sébastien Galipeau, Brice Philippe

Description:

Organized by the Construction Committee

Méthodes innovatrices utilisées près d'une infrastructure critique pour la construction de la station du REM à YUL Aéroport International Montréal-Trudeau
Brice Philippe, Aecon

Implantation de la construction accélérée de ponts au Québec.
Étienne Gill-Lachance, Ministère des Transports et de la Mobilité durable

Conception et mise en œuvre d'un pont en arche à tablier supérieur
Sébastien Galipeau, Ministère des Transports et de la Mobilité durable
Étienne Gill-Lachance, Ministère des Transports et de la Mobilité durable

---

MO.1 Driving Change in Maintenance and Operations

205A
Monday, October 06 10:30 - 12:00

Moderator

Frank Rizzardo

Presenter

Zi Wang, Mark Pollard, Christopher Dunbar, Howard Tran

Description:

Organized by the Maintenance and Operations Committee

Mobility Operations support Large-Scale Emergency Repair Work
Zi Wang, City of Calgary
Howard Tran, City of Calgary

CANCELLED
Developing a Functional Classification for Fleet Assets: A Framework for Objective Decision-Making
Mark Pollard, Yukon Highways and Public Works
Christopher Dunbar, Yukon Highways and Public Works

TP.15 Transit and Transportation Planning

2101
Monday, October 06 10:30 - 12:00

Moderator

Kathryn Weicker

Presenter

Brenda Rincon, Artem Lyubimov, Thiago Carvalho, Stephan Kellner, Geneviève Pharand

Description:

Organized by the Transportation Planning Committee

Advancing the RouteAhead Vision through Planning of Two Primary Transit Network (PTN) Routes
Brenda Rincon, City of Calgary
Artemiy Lyubimov, City of Calgary

BRT Concorde/Notre-Dame: Evaluation and development of a sustainable transportation project in a dense urban environment
Stephan Kellner, EXP Services
Geneviève Pharand, CIMA+

Operational benefits of implementing BRT corridors: The case of the Pie-IX BRT in Montreal, Canada
Thiago Carvalho, McGill University

AM.2 Corporate Asset Management Systems

207
Monday, October 06 10:30 - 12:00

Moderator

Chris Yang

Presenter

Éric Pomerleau, Kevin Hervieux, Étienne Grégoire, Sam Sidawi, Irene Seo

Description:

Organized by the Asset Management Committee

Toronto Transit Commission's Organisational Enterprise Asset Management Systems
Sam Sidawi, Toronto Transit Commission
Irene Seo, AtkinsRéalis

Investir pour le futur : des outils pour optimiser l'effet des investissements
Éric Pomerleau, Ministère des Transports et de la Mobilité durable
Étienne Grégoire, Ministère des Transports et de la Mobilité durable

Maximiser le potentiel des systèmes de gestion d'actifs d'entreprise grâce aux solutions AIP
Kevin Hervieux, Direxyon Technologies

RS.1 Exploring the Role of NGOs in Road Safety

2104AB
Monday, October 06 10:30 - 12:00

Moderator

Stephanie Benoit

Presenter

Sandrine Cabana-Degani, Hervé Chapon, Jean-Michel Bernier, Julie-Anne Perrault

Description:

Organized by the Vision Zero & Safe System Subcommittee of the Road Safety Committee

In this session, panelists will discuss how leading road safety NGOs are supporting the Safe System approach and Vision Zero action plans through road user representation, services and advocacy.

TF.2 Sustainable Transportation Infrastructure: From Strategy to Maintenance

307B
Monday, October 06 10:30 - 12:00

Moderator

Jacquelyn Hayward

Presenter

Laura Cabral, Samuel Chu, Amin Owrangi, Laurence Lebel

Description:

Organized by the Transportation Finance Committee

Ensuring Maintainable and Accessible Train-to-Platform Passenger Exchanges in the REM Project
Laurence Lebel, AtkinsRéalis

Railway Drainage Systems in Greater Toronto & Hamilton Area (GTHA): Past, Present & Future
Samuel Chu, AtkinsRéalis
Amin Owrangi, AtkinsRéalis

Cross Section Elements: How Updates to the Geometric Design Guide Could Support Sustainable Transportation
Laura Cabral, WSP Canada Inc.

MM.4 Shared Micromobility Services: Building on the TAC Publication

308B
Monday, October 06 10:30 - 12:00

Moderator

Kate Whitfield

Presenter

Anthony El-araj, Winnie Lai, Jamie Stuckless, Arianne Robillard, Nelson Cadete, Brian Hollingworth, Mike Logan, Dhavalkumar Pandya

Description:

Organized by the Mobility Management Committee

This workshop will use presentations and breakout discussions to share knowledge and encourage application of TAC's report. It will help practitioners teach, train and collaborate with others to build and promote peer networks.

Monday Lunch

Room 200
Monday, October 06 12:00 - 13:00

Description:

Business casual attire.

Join fellow delegates for a lively **Monday Lunch.** From noon (please arrive promptly as lunch is served plated) until 12:40 ET, enjoy lunch and network at your table. From 12:40 through 13:00 ET, the conference emcee will recap and celebrate recipients of **TAC's 2025 Volunteer Recognition Awards** and **Technical Achievement Awards.**

Come for the lunch, stay for the inspiration — and help us applaud the people and projects driving innovation and excellence in Canadian transportation.

Dessert and coffee will be provided from 13:00 to 14:00 ET in the **Exhibition Hall** following lunch —be sure to head there after your meal!

Networking Dessert/Coffee in the Exhibition Hall

Foyer and Room 2000
Monday, October 06 13:00 - 14:00

Description:

GD.10 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets

306A
Monday, October 06 14:00 - 15:30

Moderator

Marcia Eng

Presenter

David Wiebe, Chris Redden, Gwen Coolidge, Mark Doucet

Description:

Organized by the Geometric Design Committee

The Opening of Portage & Main to Pedestrians
David Wiebe, Dillon Consulting
Mark Doucet, Dillon Consulting

Albert, Queen, Slater, and Bronson (AQSB) Renewal Project: Enhancing Urban Connectivity and Infrastructure in Ottawa
Chris Redden, Parsons

St Vital Bridge Project - Enhancing the Experience for all users through Geometric Design
Gwen Coolidge, Stantec Consulting

ST.2 Transportation Structures

204B
Monday, October 06 14:00 - 15:30

Moderator

Rob Simpson

Presenter

Claire Spriggs, Natallia Shanahan, Haixue Liao, John Kelly

Description:

Organized by the Structures Committee

Combination of Impressed Current and Galvanic Cathodic Protection System for Bridge Deck Corrosion Mitigation
Claire Spriggs, VCS Engineering

Corrosion Evaluation of Bonded Post-Tensioning
Natallia Shanahan, VCS Engineering

Gardiner Expressway Strategic Sustainable Substructure Rehabilitation using Galvanic Protection
Haixue Liao, Vector Corrosion Technologies
John Kelly, City of Toronto

MM.2 Mobility Hubs: Approaches for Seamless Trip Connections

207
Monday, October 06 14:00 - 15:30

Moderator

Bader Alnabelseya

Presenter

Stephen Oliver, Cooper Howieson, Charles de la Chevrotière

Description:

Organized by the Mobility Management Committee

Understanding and Designing Effective Mobility Hubs
Stephen Oliver, GHD

Seamless Journeys: Enhancing Community and Regional Connectivity through Major Transit Station Area Plans
Cooper Howieson, Parsons

From Parking Operators to Mobility Service Providers
Charles de la Chevrotière, Agence de mobilité durable

EN.1 Cultural Heritage Management

205A
Monday, October 06 14:00 - 15:30

Moderator

Jaime Smith

Presenter

Benjamin Ong, Jeffrey Seibert, Ghislain Gagnon, Helen Stewart

Description:

Organized by the Environment and Climate Change Council

La prise en compte des préoccupations autochtones en matière de protection du patrimoine archéologique dans le cheminement des projets en transport - Quelques exemples.
Ghislain Gagnon, Ministère des Transports et de la Mobilité durable

Flathead Maritime Archaeology Project: Facilitating Cultural Heritage Management through Technical Education and Community Capacity Building
Benjamin Ong, Fugro USA Land
Helen Stewart, Fugro USA Land

Archaeology and Indigenous Consultation and Engagement - Processes, Challenges and Opportunities for Collaboration
Jeffrey Seibert, Ontario Ministry of Transportation

DA.1 Artificial Intelligence for Digital Applications

307B
Monday, October 06 14:00 - 15:30

Moderator

Jonathan Parent

Presenter

Suliman Gargoum, Mahir Saggar

Description:

Organized by the Digital Applications Committee

Mapping transportation networks using aerial imagery with AI
Mahir Saggar, GeoMate

Improving Road Asset Detection using Spherical Imagery and AI with Minimal Training Data
Suliman Gargoum, Reflektar Inc.

TP.16 Transit and Transportation Planning

2101
Monday, October 06 14:00 - 15:30

Moderator

Mehemed Delibasic

Presenter

Meredith Alousi-Jones, Steven Farber, Heather Kruger, Danial Faraji, Thiago Carvalho

Description:

Organized by the Transportation Planning Committee

Introducing the Mobilizing Justice National Survey: A Tool for Embedding Equity in Transportation Planning
Steven Farber, University of Toronto

Who are the Potential Riders: Older Adults' Perceived Barriers to Public Transit Use Across Canada
Meredith Alousi-Jones, McGill University
Thiago Carvalho, McGill University

LRT Rolling Stock Market in Canadian Rail Transit: A Historical and Analytical Perspective
Danial Faraji, Egis
Heather Kruger, Egis

RS.2 Road Safety Analysis

309B
Monday, October 06 14:00 - 15:30

Moderator

Matt Colwill

Presenter

Soroush Salek, Owen Waygood, Amanda Pushka

Description:

Organized by the Road Safety Committee

Mississauga No Right Turn on Red and Fully Protected Left Turns Implementation Methodology
Soroush Salek, CIMA+

Prioritizing Pedestrian Safety: An Equity-Based Analysis of School Routes
Owen Waygood, École Polytechnique de Montréal

Enhancing Pedestrian Safety: Data-based Implementation of Leading Pedestrian Intervals in Winnipeg
Amanda Pushka, City of Winnipeg

AM.1 Bridging Gaps in Asset Management

203
Monday, October 06 14:00 - 15:30

Moderator

Kristen Tappenden

Presenter

Goby Jeyagoby, Jeff Parkinson, Greg Mucsi, William Van Ruyven

Description:

Organized by the Asset Management Committee

Bridging the Gap between OSIM and Asset Management
Greg Mucsi, EXP Services
William Van Ruyven, GFT Canada

Asset Management Frameworks to Accelerate Delivery of Rehabilitation for Historically Underfunded Assets Classes
Goby Jeyagoby, Regional Municipality of York
Jeff Parkinson, GHD

CO.5 Speed Bumps on the Road to Utility Coordination

308A
Monday, October 06 14:00 - 15:30

Moderator

Ophir Wainer

Presenter

Lawrence Arcand, Jean-Guy Cote, Philip Lambert, Tylor Bottorff

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

Panelists in this session will discuss typical roadblocks to utility coordination that are faced by transportation projects.

PD.1 Developing Your Employees: Coaching vs. Mentoring

2104AB
Monday, October 06 14:00 - 15:30

Moderator

David Hein

Presenter

Matthias Schueller, Carlos Perez, Ryan Teplitsky, Karolina Karcz

Description:

Organized by the Education Committee and in partnership with the Professional Development Committee

Many factors – the pandemic, political climate, traffic congestion, international upheaval, extreme weather – have contributed to growing stress and burnout in transportation organizations. At the same time, disruption in the transportation sector has required individuals to be flexible, adapt, seek new skills, or take on new roles. This panel discussion will explore how coaching and mentoring – which both offer significant benefits depending on time horizons, career stages, and the need for performance or growth – can aid employers and individuals as they navigate today's challenges. It will follow the format of CBC's "The Debaters" program that worked so effectively in TAC's popular 2024 conference session "Professors vs. Practitioners."

AT.9 Post-Implementation Evaluations

202
Monday, October 06 14:00 - 15:30

Moderator

Darren Proulx

Presenter

Olivia Babcock, Jérôme Laviolette

Description:

Organized by the Active Transportation Integrated Committee

How New Cycling Infrastructure Transforms Behaviour and Perceptions: Longitudinal Evidence from Montréal
Jérôme Laviolette, McGill University

Rapid Safety Evaluation at Scale: Lessons on Quick Wins from 50 Before-After Studies
Olivia Babcock, Miovision Technologies

PV.5 Technology Advancements in Pavement Engineering

309A
Monday, October 06 14:00 - 17:30

Moderator

Mark Popik

Presenter

William Buttlar, Hassan Baaj, Alexander Buttgereit, Mohammad Shafiee

Description:

Organized by the Pavements Committee

This panel will explore the latest technological innovations and their practical applications to pavement design, construction, maintenance and rehabilitation, with a specific emphasis on data analytics and AI-driven solutions. It will focus on emerging technologies, sustainability, resilience and real-world case studies, and will equip attendees with a better understanding of the transformative impact of data and AI in pavement engineering.

Refreshment Break

Foyer and Room 2000
Monday, October 06 15:30 - 16:00

Description:

GD.11 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets

306A
Monday, October 06 16:00 - 17:30

Moderator

Matthew Ivany

Presenter

Robert Cotnam, Doug MacKay

Description:

Organized by the Geometric Design Committee

Challenges in applying the City of Ottawa Road Safety Action Plan and Complete Streets Initiatives
Robert Cotnam, Robinson Consultants

Provincial Highways - The Ultimate Barrier to Active Transportation
Doug MacKay, Regional Municipality of York

ST.3 Transportation Structures

204B
Monday, October 06 16:00 - 17:30

Moderator

Rob Simpson

Presenter

Asal Rahbari, Hans Geber, Matthias Yu, Ethan Macleod

Description:

Organized by the Structures Committee

Influence of Temperature on the Accuracy of Dynamic Bridge Weigh-In-Motion Systems
Ethan Macleod, University of New Brunswick

Practical Retaining Wall and Girder Design for Constrained Areas
Asal Rahbari, Hatch
Matthias Yu, Hatch

Optimal Approach for Addressing Reinforcement Corrosion for Bridge Decks
Hans Geber, CMC

AT.1 Active Transportation Facility Maintenance and Operations

2104AB
Monday, October 06 16:00 - 17:30

Moderator

Bartek Komorowski

Presenter

Marc-Olivier Labrie, Maggie Boeske, Becky Katz, Valerie Dacyk

Description:

Organized by the Active Transportation Integrated Committee and in partnership with the Maintenance & Operations Committee

La surveillance hivernale des pistes cyclables de la Ville de Québec
Marc-Olivier Labrie, Ville de Québec

Designing with Winter in Mind - Evolution of Unidirectional Bike Lanes in Edmonton
Maggie Boeske, City of Edmonton
Valerie Dacyk, City of Edmonton

Built to Last: The Relationship Between Active Transportation Design and Maintenance
Becky Katz, City of Toronto

SM.1 Sustainable Planning and Design Approaches in Small Municipalities

307B
Monday, October 06 16:00 - 17:30

Moderator

Coenraad Fourie

Presenter

Frédéric Cournoyer, Nick Sully, Brian Thompson, Shuja Zaidi, Khaled Belhedi, Erin Nelson

Description:

Organized by the Small Municipalities Integrated Committee

Accessibility by public transport in small municipalities: A context-sensitive framework integrating demand-responsive transport
Frédéric Cournoyer, École Polytechnique de Montréal

Alternative Transportation Modes in Prince Edward Island's Capital Region
Brian Thompson, P.E.I. Transportation and Infrastructure
Erin Nelson, P.E.I. Transportation and Infrastructure

Proposing Parallel Low Stress Routes to Support Active Transportation Networks
Nick Sully, WSP Canada

Timmins Transportation Master Plan - Shaping Timmins' Mobility for a Dynamic Future
Shuja Zaidi, GFT Canada
Khaled Belhedi, GFT Canada

MM.3 Mobility Hubs: Approaches for Seamless Trip Connections

207
Monday, October 06 16:00 - 17:30

Moderator

Dale Bracewell

Presenter

Sophie Belzil, Grant Ngieng, Allison Miller, Zoe Athans

Description:

Organized by the Mobility Management Committee

Du Concept à la Réalité : Approches Stratégiques pour la Réussite de Réseaux de Pôles de Mobilité
Sophie Belzil, Access Planning

Enhancing Urban Mobility: Highway 17 Uptown Mobility Hub
Grant Ngieng, ISL Engineering and Land Services Ltd.
Zoe Athans, ISL Engineering and Land Services Ltd.

Good Enough - I'll Park it Here! Providing Publicly-accessible Secure Bike Parking Solutions
Allison Miller, City of London

CC.1 Climate Vulnerability and Resilience: Getting Out in Front

204A
Monday, October 06 16:00 - 17:30

Moderator

Ray Wilcock

Presenter

Rafika Lassel, Jean-Gabriel Dorval, Michel Dion, Frédéric Richard, Philippe Dupré

Description:

Organized by the Climate Change Integrated Committee

Adaptation aux changements climatiques du déneigement et du déglaçage dans les villes du sud du Québec
Rafika Lassel, CERIU - Centre d'expertise et de recherche en infrastructures urbaines
Frédéric Richard, Université du Québec à Montréal

Adaptation du réseau aéroportuaire du Nunavik face aux changements climatiques
Jean-Gabriel Dorval, Ministère des Transports et de la Mobilité durable

Résilience du réseau d'ouvrages d'art du MTMD face aux changements climatiques
Michel Dion, Ministère des Transports et de la Mobilité durable
Philippe Dupré, Ministère des Transports et de la Mobilité durable

---

MO.2 Innovation in Maintenance and Operations

205A
Monday, October 06 16:00 - 17:30

Moderator

Chris Hewitt

Presenter

Ahmed Khataan, Richard Plokhaar, Carlton Gonsalves, Stephanie Clayton, Suliman Gargoum, Greg Schauer

Description:

Organized by the Maintenance and Operations Committee

Optimizing Highway Operations and Maintenance: Streamlining Work Order Mangement for Improved Efficiency
Stephanie Clayton, AtkinsRéalis
Greg Schauer, AtkinsRéalis

Using Deep Learning Technology for Image-Based Traffic Sign Damage Detection in Diverse Conditions
Suliman Gargoum, University of British Columbia
Ahmed Khataan, University of British Columbia

Operational Advantages of Using Axle Counters in Rail Operations
Richard Plokhaar, WSP Canada
Carlton Gonsalves, Frauscher Sensor Technology USA

TP.9 Innovations in Transportation Modelling

203
Monday, October 06 16:00 - 17:30

Moderator

Ali Darwiche

Presenter

Dimantha De Silva, Ashok Kinjarapu, Eric Miller, Almodather Mohamed, Reza Ghobadpour

Description:

Organized by the Transportation Planning Committee

Efficient Modeling of Passenger Flows: A Simplified Passenger Demand model
Dimantha De Silva, CPCS Transcom Limited
Ashok Kinjarapu, CPCS Transcom Limited

Unveiling Best Practices for Agent-Based Modeling in North America
Almodather Mohamed, GFT Canada
Reza Ghobadpour, GFT Canada

Propositions for Developing a Transferable Canadian Activity-Based Travel Demand Model System
Eric Miller, University of Toronto

TP.17 Transit and Transportation Planning

2101
Monday, October 06 16:00 - 17:30

Moderator

Nico Malfara

Presenter

Ahmed El-Geneidy, Sophie Boucher, Pieter Agneessens, Barbara-Ann Tanguay

Description:

Organized by the Transportation Planning Committee

Impacts of the new Réseau Express Métropolitain (REM): A pre-post intervention study
Ahmed El-Geneidy, McGill University

Setting Sustainable Transportation Cocktails Up for Customer Success
Pieter Agneessens, plaats collaboration

Projet de réaménagement des échangeurs au nord des ponts Pierre-Laporte et de Québec - une interconnexion des réseaux de transports en commun de Québec et Lévis
Sophie Boucher, Ministère des Transports et de la Mobilité durable
Barbara-Ann Tanguay, Ministère des Transports et de la Mobilité durable

---

GD.2 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

202
Monday, October 06 16:00 - 17:30

Moderator

Saad Syed

Presenter

Calvin Van Hill, Andrew Fox, Ian Pilkington, Victor Wang, Thomas Kraus

Description:

Organized by the Geometric Design Committee

Highway 1 - 264th Street Interchange Project Design Innovation
Ian Pilkington, British Columbia Ministry of Transportation and Transit
Victor Wang, Kiewit Engineering

Highway 69 Four Laning - Strategies to Facilitate Construction Access for a New Freeway in the Northern Ontario Wilderness
Andrew Fox, Parsons

Designing a Major Highway in Alberta: A Showcase Project for Public Infrastructure Engineering
Calvin Van Hill, Egis
Thomas Kraus, Egis

RS.3 Road Safety Analysis

309B
Monday, October 06 16:00 - 17:30

Moderator

Antoine Gerson

Presenter

Jean-Christophe Morin, Elise Cécyre, Pier-Olivier Poulin, Antoine Le Guerrier

Description:

Organized by the Road Safety Committee

Outil de priorisation des plaintes de vitesse et des demandes d'aménagements physiques à Victoriaville
Jean-Christophe Morin, Ville de Victoriaville

Analyse des collisions mortelles et graves à Montréal : Vers l'atteinte de Vision Zéro
Elise Cécyre, Ville de Montréal

Impact des îlots de refuge à mi-traversée: conflits, confort et comportement
Antoine Le Guerrier, CIMA+
Elise Cécyre, Ville de Montréal

Utilisation de Waze en milieu urbain pour faire le suivi de vitesse en sécurité routière
Pier-Olivier Poulin, Ville de Montréal

Monday Night at the Voltigeurs de Québec Armoury

Voltigeurs de Québec Armoury | 805 Wilfrid-Laurier Avenue
Monday, October 06 18:00 - 22:00

Description:

805 Wilfrid-Laurier Avenue, Québec City; Business Casual

Step into history at the Voltigeurs de Québec Armoury, one of Québec City's most iconic and atmospheric venues. This year's Monday Night Event promises an evening of connection, flavour, and entertainment in a truly unforgettable setting.

Sample an array of appetizers and specialty food stations, sip on a drink, and explore the grand halls of the Armoury while enjoying live entertainment. Highlights include performances by the Cirque troupe MystèrAct, a 360° photo booth experience, and a few other surprises.

Whether you're catching up with colleagues or making new connections, this relaxed social evening is the perfect complement to the Conference's busiest day. Come for the food, stay for the ambiance, and experience the unique spirit of Québec City in the heart of Old Québec.

The Armoury is a short 8-minute walk from the Québec City Convention Centre. Walking route on Google Maps

---

Registration

Hall 2000
Tuesday, October 07 8:00 - 17:30

Description:

Exhibition Open

Foyer and Room 2000
Tuesday, October 07 8:00 - 16:00

Description:

Business casual attire

The Exhibition is the hub of activity at the 2025 TACConf, bringing together over **80 exhibiting companies** from across Canada. Be sure to explore the booths and connect with suppliers, consultants, and government partners before the Exhibition closes at **16:00 ET.**

The Exhibition Hall and Foyer also offer a variety of features and services to enhance your conference experience:

- **Mobile phone charging station** – Rent a complimentary portable battery (secured with a credit card).
- **Continental breakfasts, coffee breaks, and desserts** – Enjoy refreshments throughout the day, including **dessert and coffee served after lunch.**
- **Lounge furniture** – Take a break, catch up on notes, or connect with colleagues.
- **LED wall** – Stay informed with conference updates and announcements.

Continental Breakfast in the Exhibition Hall

Foyer and Room 2000
Tuesday, October 07 8:00 - 8:30

Description:

Prayer Room

Prayer Room - 305
Tuesday, October 07 8:00 - 17:00

Description:

Presenter & Moderator Lounge/Ready Room

205B
Tuesday, October 07 8:00 - 17:00

Description:

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

Tour: Autoroute Henri-IV (A73) in Québec City – Landscape, architectural and environmental features

Tuesday, October 07 8:30 - 11:30

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This three-stop tour features major environmental and architectural interventions:

- - Boulevard Des Quatre-Bourgeois bridge: integrated design to reduce the urban divide
- - Charest/Henri-IV retention basin: simulated wildlife habitat
- - Félix-Leclerc/Henri-IV basins: award-winning ecological design (PIARC 2019)
- - Integrated landscaping with topography, planting and visual structures

1. **Personal Protection Equipment (PPE) required:**
   - **Provided:** Hard hat and safety vest
   - **Not provided:** Steel-toed footwear

Tour: Adding Reserved Lanes

Tuesday, October 07 8:30 - 11:30

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This joint project between STLévis and the City of Lévis adds reserved lanes on boulevard Guillaume-Couture, including the following elements:

- - 3 km road widening (in two sections)
- - Improving public transit fluidity
- - Addition of bike paths and sidewalks
- - Observation of completed sections and work in progress

1. **Personal Protection Equipment (PPE) required:**
   - **Provided:** Hard hat and safety vest
   - **Not provided:** Steel-toed footwear

Tour: Île d'Orléans – New Bridge Project

Tuesday, October 07 8:30 - 11:30

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This site visit will focus on several key aspects, including:

- - Challenges related to a heritage and natural site
- - Temporary marine structures (jetties, booms, barges)
- - Temporary installation of liquid stabilizer
- - Environmental mitigation measures

1. **Personal Protection Equipment (PPE) required:**
   - **Provided:** safety vest, safety glasses, gloves and type-2 hard hat with chinstrap
   - **Not provided:** steel-toed footwear

EN.4 Integrating Environmental Gains into Project Design

2101
Tuesday, October 07 8:30 - 10:00

Moderator

Melissa Cummings

Presenter

Eileen Miranda, Lisa MacDonald, Angela Brooks, Hailey Rudniski, Melissa Rutherford

Description:

Organized by the Environmental Issues Committee

Evaluating Environmental Sustainability, Resiliency & Biodiversity Gains
Eileen Miranda, AtkinsRéalis

Incorporating Environmental Considerations into the Design of the Abegweit Connects Active Transportation Project
Lisa MacDonald, CBCL Limited
Melissa Rutherford, CBCL Limited

Saskatoon Freeway Functional Planning Study - Opportunities for preservation and enhancement of natural urban ecosystems
Hailey Rudniski, AtkinsRéalis

Integrating Overall Design Gains into the Northern Road Link Environmental Assessment
Angela Brooks, AtkinsRéalis

DA.3 Digital Twinning for Transportation Assets

204A
Tuesday, October 07 8:30 - 10:00

Moderator

Jonathan Parent

Presenter

Michel Dion, Martin Talbot, Jean-François Laflamme

Description:

Organized by the Digital Applications Committee

Le BIM et l'IA au service du MTMD : un pont vers l'avenir, de la conception à la gestion d'actifs
Michel Dion, Ministère des Transports et de la Mobilité durable

Modélisation numérique structurale 3D du pont suspendu Pierre-Laporte basée sur près de 20 ans de mesures expérimentales in situ.
Martin Talbot, Ministère des Transports et de la Mobilité durable
Jean-François Laflamme, Ministère des Transports et de la Mobilité durable

---

TO.1 #InnovativeTrafficControl

204B
Tuesday, October 07 8:30 - 10:00

Moderator

Daniel Beaulieu

Presenter

Simon Li, Masoud Ramezani, Ryan Saville, Alan Fournier

Description:

Organized by the Traffic Operations and Management Committee

Adaptive Traffic Signal Control in the City of Calgary - A playbook for implementation
Ryan Saville, TransCore ITS, LLC
Alan Fournier, City of Calgary

Intersection Redesign Involving Oversized Vehicles - Success Factors for Traffic Diversion
Simon Li, Tetra Tech Canada Inc.

Challenges of Traffic Signal Design for Interconnected Signals at Science Centre Station in Toronto
Masoud Ramezani, AtkinsRéalis

AM.5 New Technologies in Asset Management

307B
Tuesday, October 07 8:30 - 10:00

Moderator

Sadegh Kazemi

Presenter

Nam Nguyen, Patrick Ricci, Vahid Bokaeian

Description:

Organized by the Asset Management Committee

Auscultation automatisée du réseau cyclable à l'aide de l'intelligence artificielle
Nam Nguyen, Ville de Montréal
Patrick Ricci, Ville de Montréal

Leveraging BWIM System Traffic Data for Long-Term Structural Health Monitoring of Highway Bridges
Vahid Bokaeian, University of New Brunswick

MO.3 Innovation in Maintenance and Operations

306B
Tuesday, October 07 8:30 - 10:00

Moderator

Jean-Luc Lambert

Presenter

Eric Gionet, Marcy Ream

Description:

Organized by the Maintenance and Operations Committee

AI Road Temperatures
Eric Gionet, WSP Canada

Innovative road repair materials and methods to promote sustainability, labor efficiency and cost-control
Marcy Ream, FPT Infrastructure

AT.7 Pedestrian-Centred Design

309B
Tuesday, October 07 8:30 - 10:00

Moderator

Leslie Tse, Patrick Zerr

Presenter

Mehdi Hamdaoui, Kevin Larrivée, Sonia Daly, Iman Salama

Description:

Organized by the Active Transportation Integrated Committee

L'impact des conditions météorologiques sur l'accessibilité piétonne aux transports en commun
Mehdi Hamdaoui, École Polytechnique de Montréal

Les rues-écoles : changer les règles du jeu et redonner la droit à la ville aux enfants
Sonia Daly, École de santé publique de l'Université de Montréal
Iman Salama, Centre d'écologie urbaine

Using Transport Impact Assessments to improve pedestrian space design: The redevelopment of Molson Brewery site.
Kevin Larrivée, Momentum Transport Consultancy

CC.2 Climate Vulnerability and Resilience: Getting Out in Front

205A
Tuesday, October 07 8:30 - 10:00

Moderator

Ray Wilcock

Presenter

Sam Worrall, David Jackson, Evan May, Daniel Tse

Description:

Organized by the Climate Change Integrated Committee

Yukon Highways Climate Risk Assessment and Action Plan
Daniel Tse, Stantec Consulting

Direct Precipitation Flood Modelling: Transforming Hydrologic Analysis in Isolated Northern Regions of Ontario
David Jackson, GFT Canada
Evan May, GFT Canada

The Evolution of Emergency Management at NBDTI
Sam Worrall, New Brunswick Department of Transportation and Infrastructure

---

GD.5 Confined Corridors and Intersections

306A
Tuesday, October 07 8:30 - 10:00

Moderator

Dave S. Dulay

Presenter

Maggie Boeske, Matthew Pinder, Constant Pilote, Benita van Miltenburg

Description:

Organized by the Geometric Design Committee and in partnership with the Active Transportation Integrated Committee

CVC Chemin Sainte-Foy: Aménager un lien cyclable à haut niveau de service dans un corridor confiné
Constant Pilote, Ville de Québec

On-Street Protected Lanes or Neighbourhood Bikeway? Lessons From a Feasibility Study in Guelph, ON
Matthew Pinder, Mobycon
Benita van Miltenburg, City of Guelph

124 STREET RENEWAL
Maggie Boeske, City of Edmonton

TP.10 Innovations in Transportation Modelling

203
Tuesday, October 07 8:30 - 10:00

Moderator

Kinan Bahbouh

Presenter

Dominic Méthot-Plante, Ronauq Sabharwal, Nasim Deljouyi, Jeanne-Marie Deletsu

Description:

Organized by the Transportation Planning Committee

A Simulation-Based Methodology for Road Freight Network Abstraction: Case Study in the Canadian Prairie Region
Nasim Deljouyi, University of Manitoba

Prediction-based Transportation Management - MTO Pilot Study
Ronauq Sabharwal, CIMA+
Jeanne-Marie Deletsu, Ontario Ministry of Transportation

La synergie entre les échelles de simulation : un cas pratique
Dominic Méthot-Plante, Ministère des Transports et de la Mobilité durable

---

RS.11 Road Safety Planning, Safe System and Vision Zero

202
Tuesday, October 07 8:30 - 10:00

Moderator

Alexandre Nolet

Presenter

Shawn Smith, Sari Liem, Ghazaleh Mohseni

Description:

Organized by the Road Safety Committee

Vers des plans d'intervention en sécurité routière dynamiques et durables
Alexandre Nolet, CIMA+

Data-Driven Optimization and Economic Analysis of Automated Speed Enforcement Programs
Ghazaleh Mohseni, York University

City of Vaughan Neighbourhood Traffic Calming Policy, Design and Speed Management Plan
Shawn Smith, WSP Canada
Sari Liem, City of Vaughan

ST.7 Updates to Canadian Highway Bridge Design Code (CSA S6:25)

308A
Tuesday, October 07 8:30 - 10:00

Moderator

Rob Simpson

Presenter

Bernard Pilon, Kris Mermigas, Kevin Williams, Don Kennedy

Description:

Organized by the Structures Committee

Panelists in this session will discuss the new edition of the *Canadian Highway Bridge Design Code*, highlight important changes, and respond to questions.

TF.3 Sustainable Transportation Infrastructure: From Strategy to Maintenance

207
Tuesday, October 07 8:30 - 10:00

Moderator

Lisa Salsberg

Presenter

Martin Knight, Angelin Dossou, Francis Marleau Donais, Jean-Sébastien Lacombe

Description:

Organized by the Transportation Finance Committee

Bridging to a Sustainable Transportation Legacy
Martin Knight, Knight Architects

A portrait of municipal decision-making processes for improving street rejuvenation practices
Francis Marleau Donais, École de technologie supérieure

Impact Study of Various Load Regulation Scenarios on the Billy-Diamond Highway
Angelin Dossou, Société de développement de la Baie-James
Jean-Sébastien Lacombe, AtkinsRéalis

CO.6 Utility Coordination on Projects

309A
Tuesday, October 07 8:30 - 10:00

Moderator

Tom Greaves

Presenter

Richard Morales, Gianni De Giambattista, Gabe Cimini, Wiem Rjeb, Pengcheng Ge

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

Managing Utilities in Complex and Variable Ground Conditions for Transit Projects
Richard Morales, Arcadis
Pengcheng Ge, Arcadis

Beneath the Surface: Selecting Trenchless Solutions for Utility Installations
Gianni De Giambattista, Mott MacDonald

Navigating Utilities: Key Strategies in the Jacques-Bizard Bridge Project
Wiem Rjeb, AtkinsRéalis

Development of Road Cut Degradation Fees for City of Mississauga
Gabe Cimini, Stantec Consulting

SO.5 Innovations in Materials and Construction Methods for Sustainable Pavements

2104AB
Tuesday, October 07 8:30 - 12:00

Moderator

Amma Agbedor

Presenter

Tim Smith, Stephane Charmot, Dave Johnson, Mick Prieur

Description:

Organized by the Soils and Materials Committee

This session will highlight advancements in sustainable materials and practices for pavement design and construction. Industry leaders and researchers will present novel solutions, eco-friendly alternatives, conventional and alternative recycled materials, and smart technologies designed to enhance durability and minimize environmental impact. The panel will explore how these innovations support CO_2-equivalent reduction, foster circular economy practices, and improve road infrastructure resiliency. Attendees will gain insights into real-world applications, performance outcomes, and future opportunities for integrating sustainability into roadways.

Tour: Tête des Ponts Construction Site

Tuesday, October 07 9:00 - 11:30

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This tour will showcase several construction projects in the vicinity of the Aquarium du Québec, including:

- - Redevelopment of avenue des Hôtels into an urban boulevard with a bus corridor
- - Multi-purpose trail along Route 175
- - Viewpoint overlooking the northern approach to the Pont de Québec
- - Two overpasses spanning the railway line
- - New pedestrian link between Avenue des Hôtels and the Via Rail station
- - Bus tunnel in the Laurier sector

1. **Personal Protection Equipment (PPE) required:**
   - **Provided:** Hard hat and safety vest
   - **Not provided:** Steel-toed footwear

Tour: Bike Tour – Pedaling for Safety: Exploring Vision Zero Improvements in Old Quebec (Upper Town and along the Samuel De Champlain Promenade

Tuesday, October 07 9:00 - 11:00

Description:

Pre-registration required

Capacity: 15 Participants
Mode of Transportation: Self-service electric bike

The bike tour showcases some of the city’s greatest advances in safe cycling and school corridors, as well as iconic views, while allowing you to stop and chat.

Personal Protection Equipment (PPE) required:

- **Provided:** Electric bike and helmet

Refreshment Break

Foyer and Room 2000
Tuesday, October 07 10:00 - 10:30

Description:

TO.2 #InnovativeTrafficControl

204B
Tuesday, October 07 10:30 - 12:00

Moderator

Daniel Beaulieu

Presenter

Mark Hearson, Anthony El-araj, Aleem Nanji

Description:

Organized by the Traffic Operations and Management Committee

Navigating Change in Winnipeg: Reopening Portage and Main to Pedestrians
Mark Hearson, Stantec Consulting

Public Sector: Traffic Accommodation Strategy to support NHL Team operations with surrounding major Construction activities
Anthony El-araj, City of Calgary
Aleem Nanji, City of Calgary

TF.4 Sustainable Transportation Infrastructure: From Strategy to Maintenance

207
Tuesday, October 07 10:30 - 12:00

Moderator

Lisa Salsberg

Presenter

Lancelot Rodrigue, Steve Carney, Joshua Engel-Yan, Sabrina Lau Texier

Description:

Organized by the Transportation Finance Committee

Who should pay for public transit? Public perceptions across 11 Canadian CMAs
Lancelot Rodrigue, McGill University

Collaborative Contracting Models: Project Delivery Best Practice or Procurement Fad? Lessons Learned From Early Adopters
Joshua Engel-Yan, Access Planning

The Many Benefits of Active Transportation Infrastructure Rapid Implementation - Best Practices and Lessons Learned from the West Coast
Steve Carney, Aplin Martin
Sabrina Lau Texier, TransLink

TP.4 Decision Making, Evaluation and Monitoring

2101
Tuesday, October 07 10:30 - 12:00

Moderator

Alireza Hadayeghi

Presenter

Gabriel Aubry, Mark Baker, Kathryn Weicker, Patrick Miller, Samuel Dubé, Mike Keating

Description:

Organized by the Transportation Planning Committee

Practical Experiences in Costing Municipal Road Projects
Mark Baker, Parsons
Mike Keating, Parsons

Modernizing Decision Making for 21st Century Transportation Investments: A B.C. Perspective
Kathryn Weicker, British Columbia Ministry of Transportation and Infrastructure
Patrick Miller, Steer

Analyse d'opportunité des corridors VivaCité à Québec
Gabriel Aubry, Ville de Québec
Samuel Dubé, Ville de Québec

AM.6 New Technologies in Asset Management

307B
Tuesday, October 07 10:30 - 12:00

Moderator

Sadegh Kazemi

Presenter

Kamran Rafiei, Yassine Bennani, Aleks Kivi, Dave Firbank

Description:

Organized by the Asset Management Committee

Exploring ASTM D6433 PCI with Other Pavement Indices: Challenges and Modifications for Automated Data Collection
Kamran Rafiei, Tetra Tech Canada
Dave Firbank, Tetra Tech Canada

Transforming Road Asset Management with iPAVe: Advanced TSD Technology for Efficient Data Collection
Yassine Bennani, ARRB Systems

Avoiding Common Pitfalls in Pavement Management Programs: Strategies for Success
Aleks Kivi, Applied Research Associates

MO.4 Innovation in Maintenance and Operations

306B
Tuesday, October 07 10:30 - 12:00

Moderator

Chris Hewitt

Presenter

Max Perchanok, Heather McClintock, Jason Williams, Neil Pawluk, Axel Montier

Description:

Organized by the Maintenance and Operations Committee

Low Temperature Snow and Ice De-Icer- Review of Calcium Chloride in Northern Ontario, Ontario Ministry of Transportation
Max Perchanok, WSP Canada Inc.
Neil Pawluk, Ontario Ministry of Transportation

Municipal Winter Maintenance Operational Review and Optimization
Heather McClintock, WSP Canada Inc.

Ville de Québec - Implantation d'un système de télémétrie véhiculaire pour les opérations hivernales
Jason Williams, Ville de Québec
Axel Montier, Ville de Québec

MM.1 Standardization and Analysis of Mobility Data: Making Sense of the Curbside and Right of Way

308A
Tuesday, October 07 10:30 - 12:00

Moderator

Jacob Malleau

Presenter

Dale Bracewell, Andrew Glass Hastings, Peter Richards, Jenny Albers

Description:

Organized by the Mobility Management Committee

Navigating the complexities of mobility data is vital for creating smarter, more connected cities. This panel will explore how management, standardization, and analysis of curbside and right-of-way data can transform urban planning and transportation systems. Learn from industry experts as they discuss cutting-edge approaches to integrating diverse data sources, breaking down silos, and leveraging planning decisions and analytics to optimize mobility networks. Whether you're a data professional, urban planner, or transportation enthusiast, this session will provide actionable insights to help you make informed decisions and improve accessibility, safety, and efficiency in your community's right-of-way space!

AT.8 Pedestrian-Centred Design

309B
Tuesday, October 07 10:30 - 12:00

Moderator

Leslie Tse, Patrick Zerr

Presenter

Matheos Tsiaras, Stephan Kellner, Nataliya Pekar, Sari Liem

Description:

Organized by the Active Transportation Integrated Committee

Pedestrian Crossing Recommendations for City of Vaughan
Matheos Tsiaras, Parsons Inc.
Sari Liem, City of Vaughan

Pedestrian-Centred Design
Stephan Kellner, EXP Services Inc.

Not just bikeways, achieving a focus on pedestrian-centered design in Complete Street projects
Nataliya Pekar, City of Toronto

HR.1 Collaborative Strategies for Recruitment, Retention and Skills Development

309A
Tuesday, October 07 10:30 - 12:00

Moderator

Ashley Tull-Foster

Presenter

Roumen Kotev, Shewkar Ibrahim, Jamie Black, David Hein

Description:

Organized by the Human Resources Committee

This session will explore challenges and solutions related to workforce issues in the transportation sector. Topics could include specific functions like maintenance and operations, attracting and supporting Indigenous employees, and issues related to smaller municipalities.

CC.3 Climate Vulnerability and Resilience: Getting Out in Front

205A
Tuesday, October 07 10:30 - 12:00

Moderator

Andrew Harkness

Presenter

Peter Raaymakers, Philippe-Hubert Roy-Gosselin, Rebecca Leitschuh

Description:

Organized by the Climate Change Integrated Committee

Prioritizing Resilient Transportation Infrastructure - Asset Level Vulnerability Assessment Web Viewer
Rebecca Leitschuh, Stantec Consulting

How Standards Can Support Climate-Resilient Transportation Infrastructure
Peter Raaymakers, Standards Council of Canada

Adaptation aux changements climatiques en hydraulique fluviale et en génie côtier au MTMD
Philippe-Hubert Roy-Gosselin, Ministère des Transports et de la Mobilité durable

---

GD.6 Confined Corridors and Intersections

306A
Tuesday, October 07 10:30 - 12:00

Moderator

Anne Sherwood

Presenter

Rita Hu, Vanessa Skelton, Daniel Bragagnini, Nathan Quinn

Description:

Organized by the Geometric Design Committee and in partnership with the Active Transportation Integrated Committee

Navigating Constraints and Balancing Competing Demands in Confined Corridors: A Case Study of RR42 Ontario Street in Niagara Region
Rita Hu, Parsons

School travel solutions for a 5-leg intersection in a constrained neighbourhood?
Vanessa Skelton, GHD

Balancing Flow and Space: A Study of Intersection and Corridor Design in Constrained Urban Spaces
Daniel Bragagnini, Associated Engineering

Greenfield, Main, Hawthorne et al. Reconstruction (City of Ottawa)
Nathan Quinn, Novatech

TP.11 Innovations in Transportation Modelling

203
Tuesday, October 07 10:30 - 12:00

Moderator

Faegheh Amirarfaei

Presenter

Marc-André Tessier, Hamed Malekzadeh, Bita Farokhian, Hamid Hasanzadeh, Bobin Wang

Description:

Organized by the Transportation Planning Committee

Modélisation des GES émis par la circulation routière : Impact de scénarios futurs
Marc-André Tessier, Ministère des Transports et de la Mobilité durable

Advanced Travel Decision Modeling with AI-Driven methods: a New Hybrid Neural-Utility Framework
Hamid Hasanzadeh, Université Laval
Bobin Wang, Université Laval

Role of teleworking and online shopping intentions in post-COVID-19 travel behavior
Hamed Malekzadeh, École Polytechnique de Montréal

Supply-Demand Interactions Across Multimodal Transportation Networks
Bita Farokhian, École Polytechnique de Montréal

DA.4 Digital Twinning for Transportation Assets

204A
Tuesday, October 07 10:30 - 12:00

Moderator

Maryam Tagh Bostani

Presenter

Alberto Santofimio, Daniel Valderrama, Scott Laberge

Description:

Organized by the Digital Applications Committee

Transportation Engineering, Immersive Technologies, and Augmented Reality
Daniel Valderrama, ISL Engineering and Land Services Ltd.

The "Oltimate" Digital Twin Approach - Introducing The Science of Oltimatics
Alberto Santofimio, CITYROVER INC.
Scott Laberge, City of Ottawa

RS.12 Road Safety Planning, Safe System and Vision Zero

202
Tuesday, October 07 10:30 - 12:00

Moderator

Elise Cécyre

Presenter

Pénélope Lussier-Tomaszewski, Brenden Blotnicky, Alexander Buttgereit, Geoffrey Ho

Description:

Organized by the Road Safety Committee

Securing School Surroundings: Prioritization Strategies and Planning Tools
Pénélope Lussier-Tomaszewski, Intervia

Safe roads for all road users - insights from the German "bicycle capital"
Alexander Buttgereit, Jade University, Germany

Risk-Based Methodology Development and Implementation to Identify Critical Sections along the Trans Canada Trail
Brenden Blotnicky, Trans Canada Trail
Geoffrey Ho, G. Ho Engineering Consultants

Tuesday Lunch

Room 200
Tuesday, October 07 12:00 - 13:00

Description:

Business casual attire.

Tuesday's lunch shines a spotlight on the **next generation of transportation leaders.**

Lunch is again served plated from noon until 12:40 ET, giving delegates the chance to eat and chat with colleagues at their table. From 12:40 to 13:00 ET, recipients of **TAC's 2025 Young Professional Awards** and **Student Paper Prizes** will be celebrated. The **TAC Foundation** will also update us on its scholarships and programs that help students and young professionals as they evolve into tomorrow's transportation leaders.

Dessert and coffee will be served in the **Exhibition Hall** from 13:00 to 14:00 ET. Enjoy this last opportunity to visit the booths, as the Exhibition wraps up at 16:00 ET.

Networking Dessert/Coffee in the Exhibition Hall

Foyer and Room 2000
Tuesday, October 07 13:00 - 14:00

Description:

Tour: Intelligent Mobility Management Center

Tuesday, October 07 14:00 - 16:30

Description:

Pre-registration required

Capacity: 12 Participants
Mode of Transportation: Public Transportation

Quebec City's Intelligent Mobility Management Centre (Centre de gestion de la mobilité intelligente – CGMI) manages traffic signals and intelligent transportation equipment in real time to facilitate mobility across the municipal road network.

The CGMI engineers and technicians use a state-of-the-art centralized traffic signal management system, the first of its kind in Canada. This system enables instantaneous intervention to reduce the frequency and duration of congestion events.

Tour: Pavement Laboratory – Research Complex

Tuesday, October 07 14:00 - 16:30

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

This tour includes a visit to the laboratory facilities, showcasing the equipment and tests used for research, development, and quality control of infrastructure materials.

Personal Protection Equipment (PPE) required:

- **Provided:** Safety glasses
- **Not provided:** Steel-toed footwear

CC.6 Decarbonizing the Transportation Sector

205A
Tuesday, October 07 14:00 - 15:30

Moderator

Amin Mneina

Presenter

David Shearon, Jonathan Cunningham, Jessica Desjardins, Marc-Alexandre Allard

Description:

Organized by the Climate Change Integrated Committee

Decarbonizing the Transportation Sector with digital twins
David Shearon, Bentley Canada Inc.
Jonathan Cunningham, Bentley Systems

Analyse des compilations d'émissions de gaz à effets de serre (GES) sur les projets d'infrastructures routières majeurs du ministère des Transports et de la Mobilité durable (MTMD) et leurs implications sur les étapes à venir
Jessica Desjardins, Ministère des Transports et de la Mobilité durable
Marc-Alexandre Allard, Ministère des Transports et de la Mobilité durable

---

SP.1 PIARC International Winter Service Workshop: Innovations and Environmental Solutions for Resilient Roads

306B
Tuesday, October 07 14:00 - 15:30

Moderator

Nadia Lappa, Martin Thibault

Presenter

Tae Kwon, Thorsten Cypra, Remi Reiff

Description:

Organized in collaboration with PIARC National Committees of Québec and Canada

Part 1: Smart, Sustainable, and Inclusive – Evolving Winter Service in Urban Areas
Urban winter service is evolving to meet the demands of smarter, more sustainable, and more inclusive cities. This session explores innovative approaches to winter service through three lenses: AI-driven road condition monitoring, inclusive design for bike lane winter maintenance, and environmental impacts of de-icing operations. Experts from Canada, Germany, and France share practical insights and research that point the way to more effective urban service delivery.

Enhancing Winter Road Condition Monitoring via Imagery: North American Case Studies
Tae Kwon, University of Alberta

Measures to Improve Road Safety for Cyclists in Winter in Germany
Thorsten Cypra, University of Applied Sciences - School of Architecture and Civil Engineering

Development of action plans as part of the implementation of a sustainable winter service program
Remi Reiff, CEREMA

PV.4 Pavement Sustainability and the Vehicles of Tomorrow

307B
Tuesday, October 07 14:00 - 15:30

Moderator

Carlos Leal

Presenter

Vince Aurilio, Mohammad Shafiee, Omran Maadani, Sajib Khan

Description:

Organized by the Pavements Committee

Analysis of Climatic Loading Parameters of Environment and Climate Change Canada for Climate-Resilient Pavement Design across Canada
Omran Maadani, National Research Council Canada / Conseil national de recherches Canada
Sajib Khan, Carleton University

PAVING THE WAY FOR SUSTAINBALE ROAD SURFACES
Vince Aurilio, VA Asphalt Pavement Technologies

Tracking GHG Emissions Across the Life Cycle of Asphalt Pavements under Climate Change Considering Quasi-Level 1 Inputs for PMED
Mohammad Shafiee, National Research Council Canada / Conseil national de recherches Canada

---

TP.12 Strategic Transportation and Land Use Planning

204B
Tuesday, October 07 14:00 - 15:30

Moderator

Kathryn Weicker

Presenter

Rita Hu, Barbara Gray, Mike van der Laan, Lisa Salsberg, Steven Kemp

Description:

Organized by the Transportation Planning Committee

Traffic Jams: Multi-Modal Congestion Management Strategies for Complete Communities in Durham Region
Rita Hu, Parsons
Steven Kemp, Region of Durham

The Value of Parking
Barbara Gray, City of Toronto
Lisa Salsberg, Access Planning

Streets Reimagined: Enhancing Mobility, Land Use, and Public Realm Integration
Mike van der Laan, City of Victoria

TP.5 Decision Making, Evaluation and Monitoring

2104AB
Tuesday, October 07 14:00 - 15:30

Moderator

Anika Muhammad

Presenter

Alfred Cheng, Bruno Penet, David Kriger, Joseph Arcaro, Sheryl Li

Description:

Organized by the Transportation Planning Committee

Effective Cost Management and Forecasting Solutions for Challenging Economic Times
Alfred Cheng, HDR Corporation
Bruno Penet, HDR Corporation

Measuring travel trends in uncertain conditions: Evidence from Canadian cities
David Kriger, David Kriger Consultants

Risk Based Budgeting - Incorporating Uncertainty in Transportation Projects
Joseph Arcaro, HDR Corporation
Sheryl Li, HHDR Corporation

AT.4 Bicycle Priority Roundabouts in Canada: A Friendly Debate

309A
Tuesday, October 07 14:00 - 15:30

Moderator

Matthew Pinder

Presenter

Lacey Hirtle, James Schofield, Suzanne Woo, Phil Weber

Description:

Organized by the Active Transportation Integrated Committee and in partnership with the Joint Roundabouts Subcommittee

Both roundabouts and protected cycling networks are growing in popularity – and where they overlap, practitioners face planning and design challenges. This panel discussion will feature some of Canada's leading design practitioners in a friendly debate format – two for, two against – to consider whether cyclists should receive priority over vehicles at roundabouts.

GD.3 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

306A
Tuesday, October 07 14:00 - 15:30

Moderator

Doug MacKay

Presenter

Félix-Antoine Tremblay, Daniel Morton, Tim Sorochinsky

Description:

Organized by the Geometric Design Committee

Improving Design Criteria of Jughandles for Cyclists on High-Speed Free-Flow Ramps
Félix-Antoine Tremblay, École de technologie supérieure

Autoroute 31/Autoroute 40 Overpass Replacement and Temporary Interchange Reconfiguration in Lavaltrie, Quebec
Daniel Morton, Parsons

Highways 413/401/407ETR — Creating Canada's first five-leg system interchange
Tim Sorochinsky, AECOM Canada ULC

GD.12 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets

202
Tuesday, October 07 14:00 - 15:30

Moderator

Ainsley Brown

Presenter

Robert Cotnam, Matthew Ivany, Teodor Karamelo, Jeremy Kearns

Description:

Organized by the Geometric Design Committee

Bank Street - Contrast in Challenges Between Urban and Suburban Active Transportation Design
Jeremy Kearns, Robinson Consultants
Robert Cotnam, Robinson Consultants

City of Edmonton: Complete Streets Design and Construction Standards
Matthew Ivany, City of Edmonton

Designing Versatile Bus Terminals for Multi-Agency Operations
Teodor Karamelo, GFT Canada

ST.4 Transportation Structures

207
Tuesday, October 07 14:00 - 15:30

Moderator

Mark Scanlon

Presenter

Vivian Yu, Mohamed Zawam, Greg Bajus, Angela Ho, Trevor Small

Description:

Organized by the Structures Committee

RAPID BRIDGE REPLACEMENT OF CONCRETE RIGID FRAME BRIDGES
Mohamed Zawam, Stantec Consulting Ltd.
Trevor Small, Stantec Consulting Ltd.

Rehabilitation of Royal Avenue Underpass Using SPMT
Greg Bajus, Hatch

Demolition Orchestra: Removing a bridge in a weekend
Vivian Yu, Mott MacDonald
Angela Ho, Mott MacDonald

EN.2 Designing for Fish Passage: Critical Insights

309B
Tuesday, October 07 14:00 - 15:30

Moderator

Stephen Legaree

Presenter

Nathan Farrell, Mitch Dender, Jean-Michel DeVink, Mathew Koprash

Description:

Organized by the Environment and Climate Change Council

Fish Passage & Population Viability - Culvert Length Issues
Jean-Michel DeVink, Aries Environmental Consulting

Just Passing Through - Lessons Learned in Developing Fish Passage Solutions
Mitch Dender, Parsons Inc.

From Barriers to Bridges: Innovative Solutions for Fish Passage Design
Nathan Farrell, Egis
Mathew Koprash, Egis

RS.7 Road Safety in Construction and Temporary Work Zones

203
Tuesday, October 07 14:00 - 15:30

Moderator

Andrew Northmore

Presenter

Denny Leung, Omar Tahmiscic, Jessica Tufenkjian

Description:

Organized by the Vision Zero & Safe System Subcommittee of the Road Safety Committee

Innovative Traffic Management Strategies - Trans-Canada Highway (Highway 1) Flood Emergency Response
Denny Leung, McElhanney

Non-Traditional Safety Measures on Highway construction site
Jessica Tufenkjian, AtkinsRéalis

Keep those Buses Moving! Empowering Bus Operations to Improve Safety during Mega Construction Projects
Omar Tahmiscic, TransLink

IT.3 Rural ITS Opportunities and Challenges

308A
Tuesday, October 07 14:00 - 15:30

Moderator

Shawna Boakes

Presenter

Geoff Knapp, Michael McGuire, Allan Bartman

Description:

Organized by the Intelligent Transportation Systems Committee

In rural areas, ITS solutions face many challenges and require different infrastructure and technologies than they do in urban environments. Panelists will discuss opportunities for ITS to improve user safety on rural roads, and key challenges for planning, designing, implementing and maintaining ITS solutions in rural areas across Canada.

CO.2 Cost-Effective Construction Solutions for an Aging and Underfunded Network

2101
Tuesday, October 07 14:00 - 15:30

Moderator

Ron Weatherburn

Presenter

Alexander Buttgereit, Ryan O'Connell, Lucie Parrot, Jack Ajrab

Description:

Organized by the Construction Committee

The Hull Causeway Widening and Devil's Hole Dilemma
Ryan O'Connell, Parsons Inc.
Jack Ajrab, Parsons Inc.

The stress resilient membrane (SRM bit) for concrete, paved and asphalt surfaces
Alexander Buttgereit, Department of Civil Engineering, Jade University, Germany

Value engineering for better roads and mobility
Lucie Parrot, VA Canada

Refreshment Break

Foyer and Room 2000
Tuesday, October 07 15:30 - 16:00

Description:

Student & Young Professionals Meet & Greet

Espace Urbain
Tuesday, October 07 15:45 - 17:15

Description:

Business Casual

Students and young professionals are invited to end the day at this casual reception. Network with peers and have the opportunity to learn more about getting involved with TAC's councils and committees. Canapés and refreshments will be available.

CV.1 Connected and Automated Vehicles: The Role of the Public Sector

309A
Tuesday, October 07 16:00 - 17:30

Moderator

Michael Collins

Presenter

Michael DeRuyter, Paul Avery, Omar Choudhry

Description:

Organized by the Connected & Automated Vehicles Integrated Committee

This session will feature a panel of experts from government, academia, consulting and the auto industry discussing the role of the public sector in CAV adoption, regulation and preparedness. Possible topics include new technologies, vehicle communications and processes, emerging applications for freight and personal mobility, global deployments, and implications for the auto industry.

AM.4 Incorporating Sustainability in Asset Management

204A
Tuesday, October 07 16:00 - 17:30

Moderator

Gabe Cimini

Presenter

Rafika Lassel, Joanderson Morais, Jessica Achebe, Glen Edwards, Jared McGinn

Description:

Organized by the Asset Management Committee

Towards Low-Carbon Road Infrastructure: Integrating Life Cycle Assessment (LCA) to Support Canada's Net-Zero Goals
Jessica Achebe, National Research Council Canada / Conseil national de recherches Canada

Incorporating Asset Management and Sustainability into the Design Process for Greater Community Benefit
Glen Edwards, GHD

La réduction de l'empreinte environnementale des projets d'infrastructures
Joanderson Morais, École Polytechnique de Montréal
Rafika Lassel, CERIU - Centre d'expertise et de recherche en infrastructures urbaines

Case Study: Connections in Resiliency, Transportation Asset Management, Performance Based Practical Design and Effective Maintenance
Jared McGinn, New Brunswick Department of Transportation and Infrastructure

---

PV.1 Designing, Building and Managing a Sustainable Pavement Network

307B
Tuesday, October 07 16:00 - 17:30

Moderator

Patrick St-Arnauld

Presenter

Jean-Pascal Cloutier, Uwe Reinhardt, Mbayang Kandji, Stephen Goodman

Description:

Organized by the Pavements Committee

Revue des modèles d'estimation du potentiel de ségrégation des sols
Jean-Pascal Cloutier, Ministère des Transports et de la Mobilité durable

Calculation of the condition development of urban roads using measurement data to improve asset management
Uwe Reinhardt, Institute of Urban and Pavement Engineering, TUD Dresden University of Technology, Germany

Skid resistance of pavement surface aggregates in Quebec: effect of polishing time, wear mechanisms, and aggregates properties.
Mbayang Kandji, Université Laval

Preliminary Insights from Multi-Year State-Level Pavement Friction Management Data
Stephen Goodman, Goodman Pavement and Materials Engineerin

TP.13 Strategic Transportation and Land Use Planning

204B
Tuesday, October 07 16:00 - 17:30

Moderator

Lachlan Fraser

Presenter

Mark Baker, Dale Bracewell, Austin Shih, Zoltan Mucsi

Description:

Organized by the Transportation Planning Committee

Scaling Up Mobility - Creating a Regional Transportation Service Through Engagement and Governance
Dale Bracewell, Mobility Foresight

Strategic Transportation Planning for Ottawa's Largest-Ever Healthcare Infrastructure Project
Austin Shih, Parsons Inc.
Mark Baker, Parsons Inc.

Lessons Learned from the Ottawa TMP
Zoltan Mucsi, Arcadis

TP.6 Decision Making, Evaluation and Monitoring

2104AB
Tuesday, October 07 16:00 - 17:30

Moderator

Dimantha De Silva

Presenter

Jermaine Smith, Lisa Salsberg, Michelle Kearns

Description:

Organized by the Transportation Planning Committee

It's A Governance Problem! Unlocking The Key To Better Transit Decisions and Outcomes
Lisa Salsberg, Access Planning

Building consensus: Strategies for multi-disciplinary stakeholder engagement and decision-making in transportation planning
Michelle Kearns, Arcadis

An Innovative Approach to Success at Ontario Line's Exhibition Station
Jermaine Smith, HDR Corporation

CC.7 Decarbonizing the Transportation Sector

205A
Tuesday, October 07 16:00 - 17:30

Moderator

Jennifer Niece

Presenter

Vahed Barzegari Bafghi, Ray Wilcock, Danial Faraji, Heather Kruger

Description:

Organized by the Climate Change Integrated Committee

Optimal Charger Deployment and Bus Electrification in Public Transportation
Vahed Barzegari Bafghi, York University

Underground Infrastructure—Getting to Net Zero
Ray Wilcock, Corrugated Steel Pipe Institute (CSPI)

Battery and Hydrogen Technologies for Decarbonizing Canadian Railways
Danial Faraji, Egis
Heather KRUGER, Egis

GD.4 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

306A
Tuesday, October 07 16:00 - 17:30

Moderator

Patrick Stancombe

Presenter

Nico Valenton, Riyaz Sheikh, Mark Gimpoli, Jonathan McGarry, Dominic Cheng, Andrew Paton

Description:

Organized by the Geometric Design Committee

The Bradford Bypass - Linking two of Canada's largest highways
Nico Valenton, AECOM Canada ULC
Riyaz Sheikh, AECOM Canada ULC

Highway 413 - Route Planning and Preliminary Design of a Major Facility
Mark Gimpoli, WSP Canada
Jonathan McGarry, Ontario Ministry of Transportation

Multi-Modal Transport Solution for the Pattullo Bridge Replacement Project
Dominic Cheng, Hatch
Andrew Paton, Hatch

ST.5 Transportation Structures

207
Tuesday, October 07 16:00 - 17:30

Moderator

Mark Scanlon

Presenter

François Beaurivage, Jean-Michel Lamy, Ieva Paegle, Salem Faza

Description:

Organized by the Structures Committee

Design of a new movable transfer bridge at the Souris Ferry Terminal
Jean-Michel Lamy, Parsons Inc.
Ieva Paegle, Parsons Inc.

Le nouveau pont Jacques Bizard situé à Montréal, une conception durable, axée sur l'intégration avec son milieu
François Beaurivage, AtkinsRéalis

Performance Comparison Steel Rebar vs GFRP in Reinforced Concrete Structures
Salem Faza, CMC

EN.3 Fish Habitat Offsetting: Strategies and Successes

309B
Tuesday, October 07 16:00 - 17:30

Moderator

Melissa Rutherford

Presenter

Richard Simpson, Ed Torenvliet, William Verge

Description:

Organized by the Environment and Climate Change Council

Successful Strategy for NBDTI Offsetting Projects - Getting Credit For What The Project Deserves
Ed Torenvliet, New Brunswick Department of Transportation and Infrastructure

Building the Offsetting Toolbox: Challenges and opportunities for achieving impactful fish habitat offsets. William Verge, Ducks Unlimited Canada Alternative Approach to DFO Authorization Processes for Transportation Projects Richard Simpson, Associated Engineering Group Ltd.ortunities for achieving impactful fish habitat offsets.
William Verge, Ducks Unlimited Canada

Alternative Approach to DFO Authorization Processes for Transportation Projects
Richard Simpson, Associated Engineering

RS.8 Road Safety in Construction and Temporary Work Zones

308A
Tuesday, October 07 16:00 - 17:30

Moderator

Jeffrey Holland

Presenter

Jeremy Kearns, Mélanie Beaulieu, Ali Alou, Alvin Tse

Description:

Organized by the Vision Zero & Safe System Subcommittee of the Road Safety Committee

La signalisation de travaux, bien plus que des panneaux!
Mélanie Beaulieu, Ministère des Transports et de la Mobilité durable

Creating Safe Work Zones: Balancing Construction Needs with Road User Safety
Jeremy Kearns, Robinson Consultants

City of Edmonton Safe and Accessible Traffic Accommodation Strategies
Ali Alou, City of Edmonton

Sustaining Special Events: Burnaby's Practical Intervention and Safety in Traffic Management
Alvin Tse, ISL Engineering and Land Services

GD.13 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets

202
Tuesday, October 07 16:00 - 17:30

Moderator

Laurel Richl

Presenter

Curtis Flack, Bartek Komorowski, Lacey Hirtle, Charan Lotey

Description:

Organized by the Geometric Design Committee

Overcoming Urban Design Challenges: Creating Safe, Accessible, Vision Zero-Aligned Streetscapes in Edmonton
Curtis Flack, Al-Terra Engineering
Charan Lotey, City of Edmonton

Street Design Consistent with Vision Zero
Bartek Komorowski, Ville de Montréal

Context Specific Design: Local Street Speed Management When Grades >8%
Lacey Hirtle, City of New Westminster

CO.3 Cost-Effective Construction Solutions for an Aging and Underfunded Network

2101
Tuesday, October 07 16:00 - 17:30

Moderator

Donald Maillet

Presenter

Ginette Bussière, Jedwin Mok, Alana Getty Somers, Parneet Dhillon

Description:

Organized by the Construction Committee

Understanding the Drivers of Transit Construction Costs in Canada: A Comparative Study
Jedwin Mok, University of Toronto

Projet pilote sur l'utilisation de remblai sans retrait pour l'enlèvement ou la reconstruction de ponceaux.
Ginette Bussière, Ministère des Transports et de la Mobilité durable

A Strategic Approach to LRT Station Reconstruction
Alana Getty Somers, ISL Engineering and Land Services Ltd.
Parneet Dhillon, City of Calgary

SO.2 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

203
Tuesday, October 07 16:00 - 17:30

Moderator

Xiomara Sanchez

Presenter

Yongxuan Gao, Masoumeh Mazandarani, Campbell Bryden

Description:

Organized by the Soils and Materials Committee

Evaluating Variations of Strains in Geocell under Freeze-Thaw Cycles Using Distributed Fiber Optic Sensors
Yongxuan Gao, University of Victoria

Use of Spray-Applied Geopolymer Mortar for Rehabilitation of Corrugated Steel Pipe Culverts: State-of-Art Review
Campbell Bryden, University of New Brunswick

Sustainable Low Impact Design (SLID) in Playground Pavement
Masoumeh Mazandarani, University of Windsor

SP.2 PIARC International Winter Service Workshop: Innovations and Environmental Solutions for Resilient Roads

306B
Tuesday, October 07 16:00 - 17:30

Moderator

Miguel Caso-florez

Presenter

Becky Katz, Peter Nutz, Anna Arvidsson, Philippe Veillette

Description:

Organized in collaboration with PIARC National Committees of Québec and Canada

Part 2: Greener Roads Ahead – Tackling Environmental Challenges in Winter Maintenance
How can winter service adapt to growing environmental pressures? This panel discussion brings together global and Canadian voices to examine emerging technologies that reduce environmental impact—from salt reduction strategies to sustainable materials and predictive weather tools—while maintaining high levels of service. Join the conversation on greener, smarter winter maintenance.

Registration

Hall 2000
Wednesday, October 08 8:00 - 15:30

Description:

Continental Breakfast

Room 2000
Wednesday, October 08 8:00 - 8:30

Description:

Prayer Room

Prayer Room - 305
Wednesday, October 08 8:00 - 17:00

Description:

Presenter & Moderator Lounge/Ready Room

205B
Wednesday, October 08 8:00 - 15:00

Description:

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

Tour: Rue de la Faune Construction Site

Wednesday, October 08 8:30 - 11:00

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Bus

This tour focuses on work underway on bridges P-20178E/W, including:

- - Backfilling in progress with observation of techniques and materials
- - Exposed deck slab (uncovered), underside visible
- - Formwork and reinforcement for transition slabs (possible)

1. **Personal Protection Equipment (PPE) required:**
   - **Provided:** Hard hat, safety vest and safety glasses
   - **Not provided:** Steel-toed footwear

Tour: Québec Government Air Service (SAG)

Wednesday, October 08 8:30 - 11:30

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This tour includes a presentation of SAG’s services, a visit to the Quebec City hangar, and a talk by Lynda Roy, General Manager. Topics will include:

- - Forest fire fighting (SOFEU)
- - Search and Rescue (SQ)
- - Medical transport (ÉVAQ)
- - Charter services for government departments and agencies

DA.5 Transportation Data and Analytics

307B
Wednesday, October 08 8:30 - 10:00

Moderator

Kristen MacKay

Presenter

Jesse Coleman, Dan Lu, Jenny Albers, Jacob Malleau, Ghazaleh Mohseni

Description:

Organized by the Digital Applications Committee

Catching a Ride on Data: Understanding the Impact of Vehicles-for-Hire on Toronto's Transportation Network
Dan Lu, GFT Canada
Jesse Coleman, City of Toronto

Optimizing Snow Clearing Operations: A Tactical Decision-Making Algorithm
Ghazaleh Mohseni, York University

Municipal Paid Parking: Lessons from a Digital Transformation
Jenny Albers, City of Edmonton

Real-Time Parking Maps: Enhancing Transportation Efficiency Through Digital Integration
Jacob Malleau, Arcadis
Jenny Albers, City of Edmonton

AM.3 Fostering a Culture of Asset Management: Lessons Learned

306B
Wednesday, October 08 8:30 - 10:00

Moderator

Didi Shatil

Presenter

Tom Greaves, Chris Yang, Étienne Grégoire, Brian Titherington

Description:

Organized by the Asset Management Committee and in partnership with the Professional Development Committee

Training and developing staff across different parts of an organization is critical to the successful management of transportation assets. In this session, experienced panelists will offer lessons learned from their journeys toward a broad, integrated culture of asset management in their organizations.

Fostering a Staff-focused Culture of Asset Management
Étienne Grégoire, Ministère des Transports et de la Mobilité durable

Asset Management and Utility Coordination on Infrastructure Projects
Tom Greaves, WSP

3D Asset Management Culture Model
Chris Yang, Tetra Tech Canada

Fostering a Culture of Asset Management - The York Region Experience
Brian Titherington, Regional Municipality of York

AT.6 Low-Speed Corridors as Complete Streets

203
Wednesday, October 08 8:30 - 10:00

Moderator

Nataliya Pekar

Presenter

Patrick McDonough, Scott Mensink, Nabila Chatur, James Schofield

Description:

Organized by the Active Transportation Integrated Committee and in partnership with the Road Safety Committee

Low-Speed Roads Synthesis of Practice Project
James Schofield, WSP Canada

Jasper Avenue Streetscape - Implementing 40 km/h on a Downtown Arterial
Patrick McDonough, City of Edmonton
Scott Mensink, ISL Engineering and Land Services

107 Ave Contraflow Cycling Pilot
Nabila Chatur, City of Edmonton

TP.7 Health and Equity in Transportation

204B
Wednesday, October 08 8:30 - 10:00

Moderator

Maria King

Presenter

Sabrina Lau Texier, Karen Laberee, Meghan Winters, Katie De Palma

Description:

Organized by the Transportation Planning Committee

Monitoring where new bicycle infrastructure is built across Canada: Implications for health and equity
Meghan Winters, Simon Fraser University
Karen Laberee, Simon Fraser University

Catalyser le changement systémique pour des villes plus saines: Un parc d'éducation cycliste à Burnaby
Sabrina Lau Texier, TransLink
Meghan Winters, Simon Fraser University

Transportation Equity at MTO
Katie De Palma, Ontario Ministry of Transportation

RS.4 Road Safety Analysis

202
Wednesday, October 08 8:30 - 10:00

Moderator

Stephen Chapman

Presenter

Tom Li, Omar Kilani, Yutaka Tabata, Laurel Richl, Monique Beaudry

Description:

Organized by the Road Safety Committee

Evaluation of High Tension Cable Barriers in the Urban Context
Tom Li, City of Calgary
Stephen Chapman, KGS Group

Enhancing Safety on the Alaska Highway: A Comprehensive Engineering Analysis and Improvement Strategy
Omar Kilani, Tetra Tech Canada
Yutaka Tabata, Tetra Tech Canada

Safety Evaluation of Canada's first Restricted Crossing U-Turn on Highway 16 in Saskatchewan
Laurel Richl, Associated Engineering
Monique Beaudry, Associated Engineering

TP.14 Strategic Transportation and Land Use Planning

309B
Wednesday, October 08 8:30 - 10:00

Moderator

Kinan Bahbouh

Presenter

Catherine Morency, Loïc Miara, Samar Saadi Nejad

Description:

Organized by the Transportation Planning Committee

Conception d'une plateforme d'aide au choix des localisations
Catherine Morency, École Polytechnique de Montréal

Synergize, or Takes as Much Time: Lessons from a Co-Proponent Municipal Class Environmental Assessment, Vaughan
Samar SaadiNejad, City of Vaughan

Croissance algorithmique de réseaux cyclables
Loïc Miara, École Polytechnique de Montréal

CC.4 Climate Vulnerability and Resilience: Getting Out in Front

207
Wednesday, October 08 8:30 - 10:00

Moderator

Mani Rajendran

Presenter

Leanne Whiteley-Lagace, Carly Madge, Molivann Panot

Description:

Organized by the Climate Change Integrated Committee

Incorporating Climate Change Risk Assessment into Pavement Asset Management Plans: A Case Study for York Region
Leanne Whiteley-Lagace, Stantec Consulting

Impacts des changements hydrologiques sur le trafic maritime dans le bassin du Saint-Laurent : une approche par jumeau numérique
Molivann Panot, Cirano

ClimateData.ca: Datasets, tools, and guidance for integrating climate resilience into the transportation sector
Carly Madge, Canadian Center for Climate Services

ST.6 Transportation Structures

205A
Wednesday, October 08 8:30 - 10:00

Moderator

Azita Azarnejad

Presenter

Meckkey El-Sharnouby, Alex Stuart, Campbell Bryden

Description:

Organized by the Structures Committee

Analysis and design of steel buried bridges in high seismic zone - CHBDC vs. non-linear time history analysis
Meckkey El-Sharnouby, Atlantic Industries Limited

Early Deterioration of a Critical Highway Asset: Assessment and Monitoring of a Large Cast-in-Place Box Culvert Beneath 25m of Fill on a Key New Brunswick Highway
Campbell Bryden, EXP Services

Design and Implementation of Continuous Flight Auger Piles for the Highway 400 Dunlop Street Underpass
Alex Stuart, Egis

EN.5 Integrating Environmental Gains into Project Design

2104AB
Wednesday, October 08 8:30 - 10:00

Moderator

Trevor Kinley

Presenter

Curtis Flack, Nick Guaran, Melissa Raffoul, Amin Owrangi, Dwayne Andrews, Jori Brownlow, Joy Liang

Description:

Organized by the Environmental Issues Committee

Highways And Habitats: Balancing Environmental and Transportation Considerations to Determine Wildlife Crossing Opportunities for the Future Four-Laned Highway 69
Melissa Raffoul, Parsons

Integrating Low Impact Design and Advanced Modeling to Address Stormwater Management in Expanding Road Networks
Amin Owrangi, AtkinsRéalis
Joy Liang, AtkinsRéalis

Beyond Riprap: Sustainable Solutions for Road Embankment Protection - The Othello Road Case Study
Nick Guaran, McElhanney
Jori Brownlow, McElhanney

Greener Streetscapes: Integrating Environmental Gains Through LID and Sustainable Urban Infrastructure Design
Dwayne Andrews, Al-Terra Engineering
Curtis Flack, Al-Terra Engineering

MM.5 TDM Strategies in a Post-Pandemic World

309A
Wednesday, October 08 8:30 - 10:00

Moderator

Dale Bracewell

Presenter

Benita van Miltenburg, Shawn Smith, Eric Petersen

Description:

Organized by the Mobility Management Committee

This panel discussion will explore how transportation demand management (TDM) strategies have evolved as workers return to the office, with a focus on strategies that promote public transit and micromobility use.

GD.14 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets

306A
Wednesday, October 08 8:30 - 10:00

Moderator

Bruno Marquis

Presenter

Karine Chalifoux, Narayan Donaldson, Nicolas Maltais-Tariant, Nicholas Phan

Description:

Organized by the Geometric Design Committee

Portrait et retour d'expérience sur les pistes cyclables à mi-niveau à Montréal
Nicolas Maltais-Tariant, Ville de Montréal
Nicholas Phan, Ville de Montréal

Réaménagement de la 4e Avenue à Québec: les trottoirs traversants
Karine Chalifoux, Ville de Québec

Supporting Active Transportation with Protected Roundabouts
Narayan Donaldson, Mobycon

SO.3 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

2101
Wednesday, October 08 8:30 - 10:00

Moderator

Vipin Sharma

Presenter

Farshad Kamran, Bernie Mills, Arghya Chatterjee, Ania Anthony

Description:

Organized by the Soils and Materials Committee

Tire Derived Aggregate Embankment Design and Construction for Saskatchewan Highway 39
Bernie Mills, Stantec Consulting Ltd.
Ania Anthony, Saskatchewan Ministry of Highways

Significance of dynamic modulus of geocell for reinforcing rail embankments
Arghya Chatterjee, Stratum Logics Inc.

Mechanical Response of Road Embankments Built on Permafrost located at Inuvik-Tuktoyaktuk Highway
Farshad Kamran, Université Laval

CV.2 Connected Vehicle Technologies: Improving Safety for Other Modes

308A
Wednesday, October 08 8:30 - 12:00

Moderator

Edward Stubbing, Cameron Berko

Presenter

Bobin Wang, Paul Avery, Brent Rogerson

Description:

Organized by the Connected & Automated Vehicles Integrated Committee

Advancements in connected vehicle technologies can help create safer, more enjoyable spaces and places for other modes in the right-of-way. In this session, panelists will share recent and emerging applications, what objectives they have achieved, and what new opportunities they have created in public rights-of-way.

AT.5 Connecting Active Transportation Networks by Connecting People

308B
Wednesday, October 08 8:30 - 12:00

Moderator

Kevin Larrivée, Amélie Cossé

Presenter

Justin Jones, Peter Topalovic, Sarah LeBlanc

Description:

Organized by the Active Transportation Integrated Committee and in partnership with the Professional Development Committee

In this workshop, practitioners will learn to better connect and communicate with people by experiencing what it feels like to be a member of the public during a consultation process or event. The workshop will explore the “Liberating Structures” framework (www.liberatingstructures.com) which offers an alternative to conventional engagement. It will apply two different structures – “User Experience Fishbowl” will focus plenary presentations and discussion around one topic, and “Wise Crowds” will allow participants to raise their own challenges (solicited in advance) for discussion in small groups. By practising these two structures, workshop participants will be introduced to an innovative tool they can use in their own practice.

Refreshment Break

Room 2000
Wednesday, October 08 10:00 - 10:30

Description:

TP.1 Complete Networks: Fitting into the Bigger Picture

306A
Wednesday, October 08 10:30 - 12:00

Moderator

Monique Beaudry

Presenter

Matthew Pinder, Adam Rosenfield, Winnie Lai, Karen Laberee, Meghan Winters

Description:

Organized by the Transportation Planning Committee and in partnership with the Active Transportation Integrated Committee

Building Complete Micromobility Networks: Lessons for Long-Term Success
Winnie Lai, City of Vaughan
Matthew Pinder, Mobycon

The CapaCITY/É research team's pursuit of defining an All Ages & Abilities cycling network
Karen Laberee, Simon Fraser University
Meghan Winters, Simon Fraser University

Regulating Micromobility for Success: How Canadian Suburbs can Harness the Benefits of E-Bikes and E-Scooters
Adam Rosenfield, WSP Canada Inc.

SO.4 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

2101
Wednesday, October 08 10:30 - 12:00

Moderator

Jessica Achebe

Presenter

Thang Ho, Barry Blus, Allan Bradley

Description:

Organized by the Soils and Materials Committee

Optimizing Geosynthetic Interlayer Systems for Reflective Cracking Mitigation: Mechanical Performance, Economic Analysis, and Environmental Benefits
Thang Ho, École de technologie supérieure

Assessing the risks and mitigating the impact of Mid-Winter Thaws on Canadian Winter Weight Policies
Allan Bradley, FPInnovations

Development of a Novel Lightweight Asphalt Concrete Mixture with Improved Insulation and Strength Characteristics
Barry Blus, University of Waterloo

CO.7 Utility Coordination on Projects

2104AB
Wednesday, October 08 10:30 - 12:00

Moderator

Claire Lukka

Presenter

Dominic Cheng, Masum Rahman, Malika Ali, Dominic Dion, Nicole Rose

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

Utility Relocations on the Pattullo Bridge Project: New Westminster and Surrey, BC
Dominic Cheng, Hatch
Nicole Rose, Hatch

Stormwater Management and Erosion & Sediment Control challenges - Highway 401 Expansion Project case study
Masum Rahman, Parsons

50st Grade Separation Project _Utilities Work
Malika Ali, City of Edmonton

Utility Relocations along Edmonton's Yellowhead Trail Freeway Conversion: St. Albert Trail to 97 Street
Dominic Dion, Al-Terra Engineering

ED.1 Tackling Today’s Challenges in Transportation: An Intergenerational Discussion

306B
Wednesday, October 08 10:30 - 12:00

Moderator

Sean Nix

Presenter

Alejandro Romero-Torres, David Hein, Florent Le Gac, Manon Bomy, Crystal Trang

Description:

Organized by the Education Committee

This panel discussion will feature a dialogue between current transportation leaders and the “next generation” of post-secondary, students, focusing on topics such as climate change, artificial intelligence, and active transportation. Audience members will hear how generational views may (or may not) contrast and will be invited to participate in the discussion by raising their own perspectives. Conference attendees of all ages are welcome!

Topic 1 - Artificial Intelligence: *Craig Milligan and Florent Le Gac*
Topic 2 - Communication: *David Hein and Crystal Trang*
Topic 3- Project Management: *Alejandro Romero-Torres and Manon Bomy*

CC.5 Climate Vulnerability and Resilience: Getting Out in Front

207
Wednesday, October 08 10:30 - 12:00

Moderator

Jennifer Niece

Presenter

Mohsen Yazdi, Payman Yousefi Mojir, Mehdi Heidari, Stéphane Martel, Val Sylaj

Description:

Organized by the Climate Change Integrated Committee

Investigation of Mechanical Performance for Railway Tracks Elastic Components in Extreme weather Conditions: A Literature Review
Mohsen Yazdi, WSP Canada
Payman Yousefi Mojir, WSP Canada

Edmonton LRT Stormwater Management Constraints: An Integrated Streetscaping and LID Approach as a Unified Solution
Mehdi Heidari, Parsons

Modern Methods of Construction in Infrastructure
Stéphane Martel, Canadian Precast/Prestressed Concrete Institute
Val Sylaj, Canadian Precast/Prestressed Concrete Institute

TP.8 Health and Equity in Transportation

204B
Wednesday, October 08 10:30 - 12:00

Moderator

Mehemed Delibasic

Presenter

Ahmed El-Geneidy, Eric Petersen, Hisham Negm, Lee Caragiale, Mike Washington

Description:

Organized by the Transportation Planning Committee

The Gender Divide in Transit Use
Eric Petersen, Mott MacDonald

Building long-lasting change in a short-sighted world: strategies to advance and sustain transportation equity.
Lee Caragiale, HDR Engineering, Inc
Mike Washington, HDR Engineering, Inc

The impact of daily travel and transit use on quality of life in Canada
Hisham Negm, McGill University
Ahmed El-Geneidy, McGill University

GD.7 Unconventional Intersections and Roundabouts

202
Wednesday, October 08 10:30 - 12:00

Moderator

Phil Weber

Presenter

Robert Cotnam, Jeremy Javier, Smith Siromaskul, José Pinto

Description:

Organized by the Geometric Design Committee

Turbo Roundabouts: Features, Benefits, and Lessons Learned Designing for Canadian Contexts
Jeremy Javier, McElhanney
José Pinto, McElhanney

Jeanne d'Arc Boulevard Transit Priority Roundabout
Robert Cotnam, Robinson Consultants

When Everything is Connected, Success Can Mean Failure
Smith Siromaskul, HDR Corporation

MO.5 Sustainable Road Maintenance

203
Wednesday, October 08 10:30 - 12:00

Moderator

Jean-Luc Lambert

Presenter

Bow Sanderson, Éric Lachance-Tremblay, Noura Sajjad

Description:

Organized by the Maintenance and Operations Committee

Evaluation of Elastic Modulus Evolution of Cold In-place Recycling during early curing
Éric Lachance-Tremblay, École de technologie supérieure

Full-Depth Reclamation : Evaluation of Mechanical Stabilization (FDR-MS) on a Low-Traffic Road in Prévost, Québec
Éric Lachance-Tremblay, École de technologie supérieure

Optimizing Volumetric Properties of Bitumen Stabilized Materials for Sustainable Pavement Rehabilitation
Noura Sajjad, École de technologie supérieure

The Transformation of Maintenance & Operations Culture
Bow Sanderson, City of Edmonton

RS.13 Safety for Young Road Users

309A
Wednesday, October 08 10:30 - 12:00

Moderator

Andrew Northmore

Presenter

Zahra Tavakoli, Marian Mithani, Jamie Stuckless, Paul Mackey

Description:

Organized by the Road Safety Committee

This panel discussion will explore what it means to have a road network that is safe for users up to 15 years of age, who are considered vulnerable roads users in almost all situations – whether they are walking, cycling, or needing extra protection in a vehicle designed for adults (e.g. car seat or booster). Panelists will explore this subject from different perspectives to illustrate how we can make roads safer for everyone when we make them safer for young users.

Wednesday Lunch

Room 200
Wednesday, October 08 12:00 - 13:00

Description:

Business casual attire.

As the 2025 TACConf draws to a close, join us for the **Wednesday Lunch** to reflect on the week's connections, insights, and accomplishments.

Lunch is served plated at the tables promptly at noon. At 12:35 ET, **Sarah Wells** , TAC's Executive Director, will thank the many individuals and organizations who contributed to this year's successful event, including our Local Organizing Committee and its representatives. We'll also take a look ahead to the **2026 TAC Conference & Exhibition** being held in Winnipeg from October 4 to 7.

Enjoy this final opportunity to gather with colleagues and celebrate the community that powers Canada's transportation sector.

Tour: 40 Construction Site (Masson / l’Ormière)

Wednesday, October 08 13:15 - 15:45

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Bus

This tour will showcase roadway and bridge rehabilitation work on Autoroute Félix-Leclerc (A-40), in the areas of Rivière Saint-Charles and Masson / L’Ormière boulevards. Highlights include:

- - Reconstruction of four roadway bridges
- - Refurbishment of concrete pavement, lighting and fibre optics
- - Construction of two temporary bridges and road segment to maintain traffic flow
- - Recovery of materials and invasive plant management

1. **Personal Protection Equipment (PPE) required:**
    - **Provided:** Hard hat and safety vest
    - **Not provided:** Steel-toed footwear

Tour: Pierre-Laporte Bridge

Wednesday, October 08 13:15 - 16:00

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This tour will explore the Pierre-Laporte Bridge, Canada’s longest suspension bridge, and will include visits to the steel deck structure and anchor chambers.

Personal Protection Equipment (PPE) required:

- **Provided:** Hard hat with chinstrap, class 2 orange safety vest, gloves and safety glasses
- **Not provided:** Eight-inch steel-toed safety boots

PD.2 Empowering the Next Generation: Building Impactful Young Professional Programs

308A
Wednesday, October 08 13:15 - 14:45

Moderator

Sarah Riginiano

Presenter

Asal Rahbari, Jamie Black, Jacob Pacheco-Phillips, Wiem Rjeb

Description:

Organized by the Professional Development Committee

This session will feature panelists under the age of 35 who will share their perspectives on development programs for young professionals. It will explore how different organizations are helping early-career practitioners to learn, grow and network. Panelists will discuss needs and challenges, share their experiences, and identify what works. Attendees will gain valuable insights, allowing them to inspire change and help their organizations support younger staff.

AT.2 Active Transportation in Small Municipalities and Rural Areas

2104AB
Wednesday, October 08 13:15 - 14:45

Moderator

Katy Schram

Presenter

Matt Zilinski, Brandon Quigley, Joëlle Rompré

Description:

Organized by the Active Transportation Integrated Committee

Active Transportation Design Guide for Yukon Highways
Matt Zilinski, Urban Systems

Active Transportation Master Planning in Rural Ontario communities - lessons from three case studies
Brandon Quigley, CIMA+

Défis des petites municipalités pour favoriser la mobilité active aux abords des routes numérotées
Joëlle Rompré, EXP Services

AM.7 New Technologies in Asset Management

204B
Wednesday, October 08 13:15 - 14:45

Moderator

Shabani Kachua

Presenter

Alexander Buttgereit, Marc Ta-ala, Seunghyun Choi, Salim Sarwar

Description:

Organized by the Asset Management Committee

City of Edmonton Drone Inspection Program for Bridges - Growth and Next Steps
Marc Ta-ala, City of Edmonton
Seunghyun Choi, City of Edmonton

Asset information management as part of resource protection
Alexander Buttgereit, Jade University, Germany

Government of the Northwest Territories Bridge Asst Management Plan
Salim Sarwar, Government of the Northwest Territories Department of Infrastructure

---

CC.8 Decarbonizing the Transportation Sector

2101
Wednesday, October 08 13:15 - 14:45

Moderator

Andrew Harkness

Presenter

Michael DeRuyter, Heather Kruger, Cyril Balitbit, Anna Sluis, Kate Aglitsky, Danial Faraji, Tyler Graham

Description:

Organized by the Climate Change Integrated Committee

Advancing Electric Vehicle (EV) Charging Infrastructure and Supporting Policies in Ontario
Michael DeRuyter, Ontario Ministry of Transportation
Tyler Graham, Ontario Ministry of Transportation

Driving Decarbonization: Neighbourhood Renewals for Sustainable, Net-Zero, and Resilient Urban Transportation Systems
Cyril Balitbit, Al-Terra Engineering (Edmonton) Ltd.

Environmental Management Systems (EMS) as a Framework for Advancing Sustainability in Public Transit
Anna Sluis, TransLink
Yekaterina Aglitsky, New York City Transit

Decarbonizing Australia's Rolling Stock: Insights for the Canadian Railway Sector
Danial Faraji, Egis
Heather Kruger, Egis

PV.2 Designing, Building and Managing a Sustainable Pavement Network

203
Wednesday, October 08 13:15 - 14:45

Moderator

Shawn Lapain

Presenter

Syrine Chabchoub, Alyssa Bernier, Julie Roby

Description:

Organized by the Pavements Committee

Calibration of AASHTOWare Pavement ME Design Performance Prediction Models for flexible Pavements in Québec
Syrine Chabchoub, Université Laval

An Investigation of the Impact of Asphalt Mix Types on Predicted Distresses Using the PMED Software
Julie Roby, Ministère des Transports et de la Mobilité durable

The Impact of Heat Waves on Predicted Ontario Pavement Performance using Pavement Mechanistic Empirical Design Software
Alyssa Bernier, GEMTEC Limited

DA.6 Transportation Data and Analytics

207
Wednesday, October 08 13:15 - 14:45

Moderator

Benoit Kroely

Presenter

Yan Turgeon, Ion Cojoc

Description:

Organized by the Digital Applications Committee

Évaluation des coûts socio-économiques des déplacements autoroutiers
Yan Turgeon, Ministère des Transports et de la Mobilité durable

Outils pour la gestion des réseaux multi-horizons dans les modèles de transport à grande échelle
Ion Cojoc, Ministère des Transports et de la Mobilité durable

---

IT.1 Innovations in Intelligent Transportation Systems

309A
Wednesday, October 08 13:15 - 14:45

Moderator

Richard Chylinski

Presenter

Othmane Tikito, Ryan Saville, Hughes Michaud

Description:

Organized by the Intelligent Transportation Systems Committee

Centralized Emergency Vehicle Preemption - a smarter solution to improve safety
Ryan Saville, TransCore ITS

QEW Innovation Corridor - Moving into Implementation
Bahar Namaki Araghi, WSP Canada

Optimisation du trafic sur la route 300 à YUL
Othmane Tikito, Stantec Consulting
Hughes Michaud, Orange Traffic

TP.2 Complete Networks: Fitting into the Bigger Picture

307B
Wednesday, October 08 13:15 - 14:45

Moderator

Ahsan Habib

Presenter

Marian Mithani, Richa Dave, Jonathan Chai

Description:

Organized by the Transportation Planning Committee and in partnership with the Active Transportation Integrated Committee

In Your Backyard: Lessons in Talking about Neighbourhood Traffic
Marian Mithani, City of Toronto

The Brampton Mobility Plan: A 2051 Vision for Complete Streets and Sustainable Mobility
Richa Dave, City of Brampton
Jonathan Chai, HDR Corporation

CANCELLED
Integrating Land Use and Multimodal Transportation: The Young District's Complete Network Vision
Jake Berube, Parsons
Leen Romaneh, Halifax Regional Municipality

EN.6 Integrating Environmental Gains into Project Design

309B
Wednesday, October 08 13:15 - 14:45

Moderator

Marie-Michelle Vézina

Presenter

Monica Gallego, Isabelle Falardeau, Bernard Hétu, Samuel Trottier

Description:

Organized by the Environmental Issues Committee

La nouvelle Politique de gestion du bruit routier du ministère des Transports et de la Mobilité durable du Québec : plus d'efforts pour moins de bruit
Bernard Hétu, Ministère des Transports et de la Mobilité durable

Identifier les gains environnementaux potentiels dans la conception des projets de moyenne et grande envergure
Samuel Trottier, WSP Canada

Présentation du projet de construction du nouveau pont de l'Île d'Orléans
Monica Gallego, Ministère des Transports et de la Mobilité durable
Isabelle Falardeau, Ministère des Transports et de la Mobilité durable

---

GD.8 Unconventional Intersections and Roundabouts

306A
Wednesday, October 08 13:15 - 14:45

Moderator

Mark Mascioli

Presenter

Charan Lotey, Lacey Hirtle, Monique Beaudry, Dwayne Andrews, Jon Medori

Description:

Organized by the Geometric Design Committee

Highway 16 Reduced Collision U-Turn at Dalmeny Access Road
Jon Medori, Associated Engineering
Monique Beaudry, Associated Engineering

Unconventional: A Case Study in Retrofitting Uncommon Intersection Types for Vulnerable Users
Dwayne Andrews, Al-Terra Engineering
Charan Lotey, City of Edmonton

Star Diverter: Prioritizing Pedestrian and Cyclist Safety at Local Street Bikeway Intersections
Lacey Hirtle, City of New Westminster

CO.8 Utility Coordination on Projects

205A
Wednesday, October 08 13:15 - 14:45

Moderator

Claire Lukka

Presenter

Alejandro Romero-Torres, Ophir Wainer, Alain Basakay, Janelle Pawluk

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

Améliorer la gouvernance collaborative des projets d'infrastructure : un projet de transport public en Amérique du Nord
Alejandro Romero-Torres, Université du Québec à Montréal

La création de SUE et un petit historique - Sa définition aujourd'hui
Ophir wainer, T2 Utility Engineers
Alain Basakay, T2 Utility Engineers

Utility Considerations in the Design of Transportation Renewal Projects
Janelle Pawluk, City of Edmonton

RS.5 Road Safety Analysis

202
Wednesday, October 08 13:15 - 14:45

Moderator

Hervé Chapon

Presenter

Maryam Hasanpour, Craig Milligan, Sepideh E. Tabrizi

Description:

Organized by the Road Safety Committee

Lesson learned from Video-Driven Safety Analysis using Vehicle-to-Pedestrian and Vehicle-to-Vehicle Conflicts
Maryam Hasanpour, 30 Forensic Engineering

New Techniques to Accurately Predict Pedestrian Crashes using Intelligent Transportation Systems
Craig Milligan, Fireseeds North Infrastructure Corporation

Real-Time Grip Monitoring and Predictive Modeling for Optimized Winter Road Maintenance
Sepideh E. Tabrizi, University of Guelph

TF.1 Effective and Efficient Requests for Proposals

306B
Wednesday, October 08 13:15 - 14:45

Moderator

Heather Templeton

Presenter

Lisa Salsberg, Fernanda Rodrigues, Ryan Teplitsky

Description:

Organized by the Transportation Finance Committee

Each year, public-sector organizations across Canada issue thousands of procurement opportunities for goods, services and construction work. This panel discussion will explore how effective and efficient requests for proposals (RFPs), requests for quotations (RFQs) and tenders can contribute to the success and benefits of transportation projects.

Tour: Bike Tour – Pedaling for Safety: Exploring Vision Zero Improvements in Old Quebec (Lower Town and along the Saint-Charles River Corridor)

Wednesday, October 08 14:00 - 16:00

Description:

Pre-registration required

Capacity: 15 Participants
Mode of Transportation: Self-service electric bike

The bike tour showcases some of the city's greatest advances in safe cycling and school corridors, as well as iconic views, while allowing you to stop and chat.

Personal Protection Equipment (PPE) required:

- **Provided:** Electric bike and helmet

Refreshment Break

Room 2000
Wednesday, October 08 14:45 - 15:15

Description:

IT.2 Innovations in Intelligent Transportation Systems

2101
Wednesday, October 08 15:15 - 16:45

Moderator

Richard Chylinski

Presenter

Elham Boozarjomehri, Basse Clement, David Kelly, Bahar Namaki Araghi

Description:

Organized by the Intelligent Transportation Systems Committee

Leveraging Technology to support Equity and Accessibility in and around Construction Zones: A Case Study of the City of Toronto, ON
Bahar Namaki Araghi, WSP Canada

Utilising Artificial Intelligence to Address the Fatal Five
David Kelly, Acusensus

Demand forecasting for an Urban Air Mobility (UAM) transit service in Metro Vancouver
Elham Boozarjomehri, Grey Jay
Basse Clement, McElhanney Ltd.

AT.10 Technology, Signals and Active Transportation

306A
Wednesday, October 08 15:15 - 16:45

Moderator

James Schofield

Presenter

Craig Milligan, Pierre Longtin, Dan Zeggelaar, Michael Vaudan

Description:

Organized by the Active Transportation Integrated Committee and in partnership with the Intelligent Transportation Systems and Traffic Operations & Management Committee

200,000 Hours of Continuous Pedestrian Near-Miss Data: Lessons From a New Signal Cabinet Application
Craig Milligan, Fireseeds North Infrastructure Corporation

City of Edmonton Traffic Signal Program Review
Dan Zeggelaar, ISL Engineering and Land Services
Michael Vaudan, City of Edmonton

How an Intelligent Lighting System Transformed the Coexistence of Motorists, Pedestrians, and Cyclists in a Tunnel
Pierre Longtin, Nyx Hemera Technologies

AM.8 New Technologies in Asset Management

204B
Wednesday, October 08 15:15 - 16:45

Moderator

Gabe Cimini

Presenter

Leanne Whiteley-Lagace, John Laurent, Rachel Loboda

Description:

Organized by the Asset Management Committee

Évolution des indices de condition des routes à l'ère de l'inspection 3D des chaussées
John Laurent, Pavemetrics Systems inc.

How Curbs and Sidewalks can be Incorporated into a Pavement Management System: City of Edmonton Case Study
Leanne Whiteley-Lagace, Stantec Consulting Ltd.

Transforming Bridge and Railway Asset Management: A Case Study of the Rideau River Railway Bridge Inspection, Using Advanced Drone Technology and AI
Rachel Loboda, Niricson

AT.3 Active Transportation in Small Municipalities and Rural Areas

2104AB
Wednesday, October 08 15:15 - 16:45

Moderator

Elizabeth Pugh

Presenter

Artem Zaporozhets, Tim Aucott, David Breu, Andy Kading

Description:

Organized by the Active Transportation Integrated Committee

Sharing is Caring: Insights from Cumberland's Shared Street Network
Andy Kading, City of Victoria

Connecting Teepee Town; A Canmore-Style Conversion of Rural Roadways to an Urban Complete Street
David Breu, ISL Engineering and Land Services

Tailoring Active Transportation Design to Local Context - St.Johns Street Port Moody
Artem Zaporozhets, Associated Engineering
Tim Aucott, City of Port Moody

PV.3 Designing, Building and Managing a Sustainable Pavement Network

203
Wednesday, October 08 15:15 - 16:45

Moderator

Shawn Lapain

Presenter

M. Alauddin Ahammed

Description:

Organized by the Pavements Committee

A Comparative Analysis of PMED Software Predicted Distresses Using Level 1 and Level 3 Inputs of Asphalt Mix Properties
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure

Impact of Asphalt Binder Grades on PMED Software Predicted Distresses in New Flexible Pavements
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure

---

RS.6 Road Safety Analysis

202
Wednesday, October 08 15:15 - 16:45

Moderator

Hugo Bertrand

Presenter

Rene Lagace, Trevor Jones, Amir Gholds

Description:

Organized by the Road Safety Committee

Traffic Calming at the City of Moncton: A deep dive in the warrant matrix
Rene Lagace, City of Moncton

Guidance for Posted Speed Limit Reductions in Support of Vision Zero
Amir Ghods, SMATS Traffic Solutions

Analyzing the relationship between on-street parking demand and illegal parking
Trevor Jones, University of Toronto

TP.3 Complete Networks: Fitting into the Bigger Picture

307B
Wednesday, October 08 15:15 - 16:45

Moderator

Amélie Cossé

Presenter

Arianne Robillard, Francesco Febres Caceres, Thomas Harvey-Gasse

Description:

Organized by the Transportation Planning Committee and in partnership with the Active Transportation Integrated Committee

Des communautés sans voitures complètement intégrées et connectées pour s'attaquer à la crise immobilière
Arianne Robillard, Mobycon

La planification des Corridors VivaCité à Québec
Thomas Harvey-Gasse, Ville de Québec

Les verrous et leviers d'acceptabilité des projets de rues conviviales au Québec et en Ontario
Francesco Febres Caceres, L'OBSERVATOIRE DE LA GESTION INTÉGRÉE DE L'ESPACE PUBLIC URBAIN du Centre d'expertise et de recherche en infrastructure urbaines

---

EN.7 Integrating Environmental Gains into Project Design

309B
Wednesday, October 08 15:15 - 16:45

Moderator

Isabel Bernier-Bourgault

Presenter

Ariane Bouffard, Marilou Hayes, Pierre-Paul Tremblay, Cécile Pérés

Description:

Organized by the Environmental Issues Committee

Impacts environnementaux de la construction de routes en tourbière
Ariane Bouffard, Ministère des Transports et de la Mobilité durable

Intégration de l'enjeu de la connectivité écologique à l'exploitation du réseau routier du Ministère
Marilou Hayes, Ministère des Transports et de la Mobilité durable

Projet de compensation du prolongement de l'autoroute 35
Pierre-Paul Tremblay, Stantec Consulting
Cécile Pérés, Stantec Consulting

DA.7 Transportation Data and Analytics

207
Wednesday, October 08 15:15 - 16:45

Moderator

Benjamin Loucks

Presenter

Samina Bergeron-Zaidi, Ryan Saville, Lamia Anjum, Yannick Brosseau, Claire Goldring

Description:

Organized by the Digital Applications Committee

Hidden Gems: Mobility Diagnostic Based on Existing Data
Samina Bergeron-Zaidi, Intervia

Smarter ITS Applications using existing data sources
Ryan Saville, TransCore ITS

Using Data Analytics to Measure Workload of Transportation Control Room Operators
Lamia Anjum, AtkinsRéalis
Claire Goldring, AtkinsRéalis

Open-source tools for mobility data collection and analysis
Yannick Brosseau, École Polytechnique de Montréal