Registration Desk & Info Booth

Hall B, Third Floor
Sunday, October 04 8:00 - 19:00

Description:

Visit the **Registration Desk** to pick up your conference badge or register onsite.

The **Information Booth** is your go-to resource throughout the event. Stop by to collect your technical tour tickets, check tour availability, get answers to conference questions, learn more about TAC, or find information on local attractions and tourism in Winnipeg.

Presenter & Moderator Lounge/Ready Room

Room 15, First Floor
Sunday, October 04 12:00 - 16:00

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.

Women In Transportation - 3rd Annual Meet & Greet

Room: Pan Am, Second Floor
Sunday, October 04 15:00 - 16:00

Description:

Pre-registration required

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

Join us for a wine and cheese mixer designed to kick-start your TACConf networking experience.

Awards Ceremony

Hall A, Third Floor (Enter through Hall C)
Sunday, October 04 16:00 - 17:00

Description:

Business casual attire

The Transportation Association of Canada (TAC) is proud to host the Awards Ceremony during the 2026 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 honourees.

Welcome Reception

Hall C, Third Floor
Sunday, October 04 17:00 - 19:00

Description:

Business casual attire.

Bars will be available; cash, credit cards, debit cards, and mobile wallets will be accepted. Use one of your drink tickets or save them for the Monday Night Event. Drink tickets are not required for non-alcoholic beverages.

Kick off the 2026 TACConf at the Welcome Reception

Set in the exhibition space at the RBC Convention Centre Winnipeg, this year's Welcome Reception starts your TAC Conference experience.

Reconnect with colleagues, make new connections, and enjoy a drink and light hors d'oeuvres featuring local Manitoba 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

Hall C, Third Floor
Sunday, October 04 17:00 - 19:00

Description:

Business casual attire

The Exhibition is a central hub of activity at the 2026 TACConf, bringing together over 80 exhibiting organizations from across Canada. It opens during the Welcome Reception and continues throughout Monday and Tuesday.

Explore booths and connect with suppliers, consultants, and public sector organizations before the Exhibition closes at 16:00 on Tuesday.

The Exhibition Hall also offers:

- **Mobile phone charging station** – Borrow a portable battery
- **Continental breakfasts, coffee breaks, and desserts** – Enjoy refreshments throughout the day, including **dessert and coffee served after lunch.**
- **Lounges** – Take a break, catch up on notes, or connect with colleagues.

Registration Desk & Info Booth

Hall B, Third Floor
Monday, October 05 7:30 - 18:00

Description:

Visit the **Registration Desk** to pick up your conference badge or register onsite.

The **Information Booth** is your go-to resource throughout the event. Stop by to collect your technical tour tickets, check tour availability, get answers to conference questions, learn more about TAC, or find information on local attractions and tourism in Winnipeg.

Exhibition Open

Hall C, Third Floor
Monday, October 05 8:00 - 16:00

Description:

Business casual attire

The Exhibition is a central hub of activity at the 2026 TACConf, bringing together over 80 exhibiting organizations from across Canada. It opens during the Welcome Reception and continues throughout Monday and Tuesday.

Explore booths and connect with suppliers, consultants, and public sector organizations before the Exhibition closes at 16:00 on Tuesday.

The Exhibition Hall also offers:

- **Mobile phone charging station** – Borrow a portable battery
- **Continental breakfasts, coffee breaks, and desserts** – Enjoy refreshments throughout the day, including **dessert and coffee served after lunch.**
- **Lounges** – Take a break, catch up on notes, or connect with colleagues.

Continental Breakfast in the Exhibition Hall

Hall C, Third Floor
Monday, October 05 8:00 - 8:30

Description:

Presenter & Moderator Lounge/Ready Room

Room 15, First Floor
Monday, October 05 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

Hall A, Third Floor (Enter through Hall C)
Monday, October 05 8:30 - 10:00

Description:

Business casual attire

This year's Opening Plenary Session will begin with welcome remarks from conference dignitaries, followed by a fireside chat between Executive Director Dr. Sarah Wells and special guest, The Honourable Lisa Raitt, P.C.

Lisa Raitt brings deep and varied experience to the conversation on the conference theme, "**Transportation for a Strong Canada**". She represented the Conservative Party in Parliament and served in federal Cabinet for more than a decade, including as Minister of Transport from 2013 to 2015. Her current role is as vice chair of Global Investment Banking with CIBC.

The chat will focus on transportation's role in strengthening Canada's economic competitiveness and global relations, and how infrastructure connects communities, supports trade, and improves quality of life for Canadians. It will be followed by an audience Q&A.

Refreshment Break

Hall C, Third Floor
Monday, October 05 10:00 - 10:30

Description:

AM.1 Beyond Pavement and Bridges: Addressing Gaps in Asset Management

Room 11-12, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Leanne Whiteley-Lagace, Daniel Zhou, John Babineau, Sarah Gaib

Moderator

Kristen Tappenden

Description:

Organized by the Asset Management Committee

Development of a Sidewalk Condition Assessment Rating System for Municipalities
Leanne Whiteley-Lagace, Stantec Consulting

City of Toronto Electrical Maintenance Contract - Modernizing Maintenance Contracts to Support Asset Management
Daniel Zhou, Arcadis

Cariboo Road Recovery Projects - Owner's Approach to Permanent Alternative Access
John Babineau, British Columbia Ministry of Transportation and Transit
Sarah Gaib, British Columbia Ministry of Transportation and Transit

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AT.2 A Multi-Generational Approach to Project Planning and Delivery

Room 13, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Robert Cotnam, Scott Weisenberg, Dwayne Andrews, Paul Thoman

Moderator

Justin Jones

Description:

Organized by the Active Transportation Integrated Committee

Moving Forward by Building on the Past: Leveraging Experience and Fresh Perspectives
Robert Cotnam, Robinson Consultants
Scott Weisenberg, Robinson Consultants

Cultivating Exceptional Professionals: How a Multi-Generational Collaboration Strengthens Transportation Project Outcomes
Dwayne Andrews, Al-Terra Engineering
Paul Thoman, Al-Terra Engineering

MM.1 Digitizing the Mobility Space — A Data First Approach to Transportation

Room 2E, Second Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Robert MacGregor, Grace Mulcahy

Moderator

Jacob Malleau

Description:

Organized by the Mobility Management Committee

AI-Powered Transportation Networks for Connected Cities
Robert MacGregor, GeoMate

A Framework for Measuring Level of Service in Mixed-Use Bicycle and E-Scooter Environments
Grace Mulcahy, York University

ST.2 Precast Bridges and Accelerated Bridge Construction Strategies

Room 2F, Second Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Danielle-Magda Salem, Val Sylaj, Hugues Latulippe, David Donald, Drew Monnier

Moderator

Reza Erfani

Description:

Organized by the Structures Committee

This panel discussion highlights how bridge constructed soley through the use of pre-cast concrete can enhance project delivery with accelerated erection times, reduced traffic disruption and provide convenience in remote locations. Panelists representing the consulting industry, contractors, fabricators, and the Candian Precast Concrete Institue will share practical insights on system selection, plant Quality Assurance and Quality Control, field connections, lifecycle performance, guides and knowledge, and project delivery.

DA.5 Transportation Data and Analytics

Room 7-8, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Eric Petersen, Ken Yang, Dan Lu, Tavia Chow

Moderator

Kristen MacKay

Description:

Organized by the Digital Applications Committee

The Case of the Missing Travellers: University Students and Group Quarters' Residents
Eric Petersen, Mott MacDonald

Looking Past the Dashboard: Storytelling with Data for Transportation Professionals
Dan Lu, GFT Canada
Tavia Chow, GFT Canada

Arterial Corridor Evaluation Incorporating Both Mobility and Safety Performance
Ken Yang, AECOM

ED.1 New Frontiers in Transportation Engineering Education

Room 2H, Second Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Michael Chiu, Jonathan Regehr, Rayman Dhadda, Giuseppe Grande

Moderator

Xiomara Sanchez

Description:

Organized by the Education Committee

As artificial intelligence and rapid technological changes reshape the transportation industry, transportation engineering education must evolve. This panel session explores how educators and industry leaders can bridge the gap between academic instruction and modern workforce demands. Grounded in human-centric learning, hands-on experience, and foundational practical knowledge, the session brings together four distinct perspectives on preparing the next generation of transportation engineers.

SM.1 Road Safety and Speed Management Strategies for Strong Neighbourhoods

Room 4, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Matt Pinder, Pierre Bedard, Houssam Elokda

Moderator

Coenraad Fourie

Description:

Organized by the Small Municipalities Integrated Committee

Town-Wide, Rapid, Tactical: How Wolfville is Slowing all its Streets for a Strong Community
Matt Pinder, Mobycon
Houssam Elokda, Happy Cities

From Pilot to Program: Scaling Up Traffic Calming for Safer Streets in Whitehorse
Pierre Bedard, City of Whitehorse

TP.1 Complete Networks: Fitting into the Bigger Picture

Room 3, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

David Jalbert-Gagnier, Maggie Boeske

Moderator

Amelie Cosse

Description:

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

From Infrastructure to Experience: Governing for Human-Centred Mobility Outcomes
David Jalbert-Gagnier, Capgemini

Planning Complete Networks Through Space And Time
Maggie Boeske, City of Edmonton

RS.1 Challenges in Sustainable Implementation of Vision Zero Initiatives

Room 2G, Second Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Raheem Dilgir, David (Daveed) Osorio, Rebecca Peterniak, Jacquelyn Hayward

Moderator

Soroush Salek

Description:

Organized by the Road Safety Committee

Across Canada, many municipalities have adopted Vision Zero strategies, but putting these plans into action remains a challenge. This panel will explore the key barriers local governments face in moving from commitment to implementation, including limited funding and staff capacity, the need for political and public support, knowledge gaps, and inadequate collaboration across departments and partner organizations. Recent policy changes, such as the pause on Automated Speed Enforcement (ASE) programs in provinces like Ontario, have further strained municipal budgets. With one of the few dedicated funding sources for safety initiatives now uncertain, municipalities are under increasing pressure to find sustainable ways to advance their Vision Zero goals. This panel will discuss how federal and provincial governments can help bridge these gaps through consistent funding, training, and technical support.

EN.1 From Impact to Integrity: Emerging Topics in Environmental Assessment and Management

Room 1, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Luis Orantes, Nathan Farrell, Jennifer Cavanagh

Moderator

Jaime Smith

Description:

Organized by the Environment and Climate Change Council

Strengthening Municipal Infrastructure Delivery Through Planning, Preliminary Design, and Environmental Assessment in a Changing Regulatory Landscape
Luis Orantes, GFT Canada

From Impact to Integrity: Practical Strategies for Streamlining Environmental Assessment in Transportation Projects
Nathan Farrell, Egis
Jennifer Cavanagh, Egis

Using WSP's Nature Vista Platform to Better Integrate Nature into Transportation Decision Making
Kyle Knopff, WSP Canada
Peter Andrew-Mcbride, WSP Canada

IT.1 Innovations in Intelligent Transportation Systems

Room 9-10, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Edward Stubbing, Farah El-Moghrabi, Craig Milligan, Syed Latifi

Moderator

Andrew Wong

Description:

Organized by the Intelligent Transportation Systems Committee

The Potential Safety Benefits of a V2X-Enabled red Light Running ADAS
Craig Milligan, Fireseeds North Infrastructure

Traffic Evolution: From Point Detection to Operational Intelligence
Farah El-Moghrabi, GFT Canada
Syed Latifi, GFT Canada

Infrastructure Light Tolling - Are we ready?
Edward Stubbing, AECOM

SO.1 Innovation in Materials and Construction Methods for Pavement Sustainability

Room 2, First Floor
Monday, October 05 10:30 - 12:00

Presenter / Author

Pejoohan Tavassoti-Kheiry, Leila Hashemian, Ahmed Shalaby, Alan Carter

Moderator

Hassan Baaj, Vipin Sharma

Description:

Organized by the Soils and Materials Committee

This panel will showcase advancements in sustainable materials for pavement construction. Industry experts and researchers will present novel solutions, eco-friendly alternatives, recycled materials, and smart technologies that enhance durability while reducing environmental impact. The session will explore how these innovations contribute to lower carbon footprints, promote circular economy practices, and improve road infrastructure resilience. Attendees will gain insights into real-world applications, performance outcomes, and future opportunities for integrating sustainability into pavement construction.

Toward Environmentally Optimized Asphalt Mixtures: Mechanical Performance is Only Half the Story, ***Alan Carter***

Advancing the Circular Economy with High-Performance, High-RAP Asphalt for Resilient Cold-Climate Pavements, ***Leila Hashemian***

RAP Fractionation for Improved HMA Performance, ***Ahmed Shalaby***

Functional Design of Sustainable Paving Technologies: Balancing Performance, Environmental, and Societal Needs, ***Pejoohan Tavassoti***

AT.12 Raising the Bar: Exploring New Directions in Active Transportation Planning and Design

Room 5, First Floor
Monday, October 05 10:30 - 12:00

Facilitator

Marcia Eng, Kathryn Weicker, James Donnelly, Sarah Freigang

Presenter / Author

Brian Patterson, Nini Nytepchuk

Moderator

Samantha Langford

Description:

Organized by the Active Transportation Integrated Committee

British Columbia has released the long-anticipated second edition of its award-winning Active Transportation Planning and Design Guide. Since the 2019 edition, active transportation has evolved rapidly, with more people walking and rolling, growing adoption of e-bikes and micromobility devices, and increasing expectations for safety, comfort, and accessibility. In this workshop, the team will demonstrate how the Guide raises the bar for active transportation design led by a new comfort spectrum and facility selection tool. The update includes expanded guidance on accessibility, school neighbourhoods and roundabouts, multi-modal integration, micromobility, complex intersections, and designing in rural and constrained environments.

How to attend: If you'd like to attend the workshop but didn't pre-select this event on your registration form, show up at the room at the scheduled workshop time to check if space permits.

Monday Lunch

Hall A, Third Floor (Enter through Hall C)
Monday, October 05 12:00 - 13:00

Description:

Business casual attire.
Please arrive promptly, as lunch is served plated.

Join fellow delegates for a lively **Monday Lunch.** From noon until 12:40, enjoy lunch and network at your table. From 12:40 through 13:00, the conference emcee will recap and celebrate recipients of **TAC's 2026 Volunteer Recognition Awards** and **Technical Achievement Awards.**

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

Networking Dessert/Coffee in the Exhibition Hall

Hall C, Third Floor
Monday, October 05 13:00 - 14:00

Description:

Winnipeg Transit Tour — Control Centre, Hydrogen Generating Station and Electric Charging

Monday, October 05 14:00 - 16:30

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

Step inside Winnipeg Transit's headquarters. This tour features the Control Centre and offers an inside look at the future transition to zero-emission buses, including the newly operational Hydrogen Generating Station and electric charging infrastructure.

Focus Area: Mobility and Safety, Design & Operations and Technology

Accessibility notes: Tour participants should expect to take a 10 minute bus ride to the Winnipeg Transit building where the tour will begin. The tour will visit several buildings on the Transit campus and people should dress for indoors and outdoors. Portions of the tour involve using stairs without an alternative access (e.g. elevator or escalator).

AM.2 Innovative Planning Strategies Across Asset Management

Room 1, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Shahryar Niazi, Nikki Tan, Moe Family, Alexander Buttgereit

Moderator

Benoit Kroely

Description:

Organized by the Asset Management Committee

Preparing Canada for High-Speed Rail: Global Integration and Cold-Climate Operations
Shahryar Niazi, University of Toronto

From Design Decisions to Deep Excavations: Utility Design Management as a Risk Discipline on Urban Rail Projects
Nikki Tan, GFT Canada
Moe Family, GFT Canada

The Role of Roads in Asset Management - More Than Just Infrastructure
Alexander Buttgereit, Jade University of Applied Sciences

CC.1 Achieving Sustainable Decarbonization Goals in the Transportation Sector

Room 3, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Joseph Shacat, Ian Whitehead, Srikrishna Sai Chitakana, Donn Bernal

Moderator

Sunil Kothari

Description:

Organized by the Climate Change Integrated Committee

Using EPDs To Measure, Track, And Achieve Sustainable Decarbonization Goals For Transportation Agencies
Joseph Shacat, Eastern Research Group, Inc. (ERG)

Understanding and reducing the embodied carbon of underground transportation infrastructure
Ian Whitehead, Mott MacDonald

Regionalized Asphalt Mix Sustainability Benchmarking through EPDs and Industry Engagement
Donn Bernal, Ontario Road Builders Association (ORBA)
Srikrishna Sai Chitakana, WAP Sustainability

DA.6 Transportation Data and Analytics

Room 11-12, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Jonathan Silverberg, Catherine Labrecque-Piedboeuf, Lubna Obaid, Jean-Sébastien Lacombe

Moderator

Dan Lu

Description:

Organized by the Digital Applications Committee

Harnessing the Power of Big Data in Transportation Planning: A Comparative Analysis of High Accuracy Geolocation Data Sources
Jonathan Silverberg, AirSage

Data-Driven Pavement Rehabilitation on the Brun-Way Corridor
Catherine Labrecque-Piedboeuf, AtkinsRéalis
Jean-Sébastien Lacombe, AtkinsRéalis

Evaluating Vision-Based Traffic and Parking Signage Detection for Curbside Analytics: A Deep Learning Models Comparison
Lubna Obaid, University of Alberta

TP.2 Complete Networks: Fitting into the Bigger Picture

Room 2E, Second Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Matt Pinder, Nick Sully, Dorothy Kowpak, Cameron Matwie, Eddy Jarbeau

Moderator

Justin Jones

Description:

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

Edmonton Region Network Study: Advancing Regional Transportation Through Integrated Corridor Evaluation
Cameron Matwie, ISL Engineering and Land Services
Eddy Jarbeau, ISL Engineering and Land Services

Delivering More, Faster: A Multi-Corridor Approach to Active Transportation Implementation
Dorothy Kowpak, City of Vaughan

Defining Complete Networks using Canadian Case Studies: Lessons from a TAC Volunteer Project
Matt Pinder, Mobycon
Nick Sully, WSP Canada

TP.18 Strategic Transportation and Land Use Planning

Room 9-10, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Ilia Merkoulovitch, Mehemed Delibasic, Sina Shad (Semnarshad)

Moderator

Kathryn Weicker

Description:

Organized by the Transportation Planning Committee

Building Tomorrow's Small Towns: Integrating Policy, Density, and Transportation Planning, Lessons from the Town of Erin Transportation Master Plan
Mehemed Delibasic, 30 Forensic Engineering
Sina Shad, 30 Forensic Engineering

Strategic Transportation and Land Use Planning in the Toronto Port Lands
Ilia Merkoulovitch, AECOM

HR.1 Awareness to Impact: Reconciliation, EDI and Belonging in the Workplace

Room 2F, Second Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Guillermo Martinez Illas, Racheal Saunders P.Eng., Jason Bell, Richard Korczak

Moderator

Ashley Tull-Foster

Description:

Organized by the Human Resources and Professional Development Committee

Across the transportation industry, organizations are striving to transform awareness of equity, diversity, inclusion (EDI), belonging, and reconciliation into meaningful action. This panel explores how employers can move beyond data collection and quotas to implement practices that build trust, foster inclusion, and create workplaces where employees feel motivated, valued, and empowered to show up as their authentic selves. Panelists will share strategies for educating staff and embedding EDI principles into everyday operations to attract and retain a diverse workforce.

MM.2 Indigenous Communities and Transportation

Room 13, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Jeremiah Pariag, Dan Kuenstler, Andrew King, Katrine Levesque

Moderator

Elyse McCann

Description:

Organized by the Mobility Management Committee

From Projects to Patterns: Transportation Infrastructure and Cumulative Impacts Experienced by Indigenous Communities
Jeremiah Pariag, HDR Corporation

From Isolation to Sovereignty: The SKY Nations Corridor as a Model for Equitable Northern Access
Dan Kuenstler, Dillon Consulting
Katrine Levesque, Dillon Consulting

A Low Carbon Transportation Planning Guide for BC First Nations
Andrew King, Community Energy Association

NG.1 Automated Vehicles are Here: What Do We Do?

Room 2, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Edward Stubbing, Aisha Manderson, Jerry Yang

Moderator

Cameron Berko

Description:

Organized by the Next-Generation Transportation Integrated Committee

As the footprint of automated vehicles (AVs) continues to expand in North America in various forms, infrastructure owners and operators (IOOs) in Canada are considering what actions to take. The goal of this panel is to discuss the latest market trends in AV technology, what does “AV readiness” mean, what has been done to prepare Canada for AVs, IOO experiences to date, and how IOOs can effectively leverage AV technology to meet their mobility goals.

GD.8 Urban Design Challenges — Accessibility, Vision Zero and Complete Streets

Room 4, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Julian Vasquez P.Eng., Nataliya Pekar, Matt Taylor, Patrick Zerr P.Eng., RSP1

Moderator

Tim Murphy

Description:

Organized by the Geometric Design Committee

The many iterations of Toronto's protected intersections, lessons learned post implementation
Nataliya Pekar, City of Toronto

The Granville Bridge Connector: A Multidisciplinary Effort Resulting in Multimodal Accessibility
Julian Vasquez P.Eng., PBX Engineering
Patrick Zerr P.Eng., RSP1, McElhanney

Breaking the School "Snake Effect" through Improved Pedestrian, Bicycle, and Vehicle Circulation
Matt Taylor, ISL Engineering and Land Services

CO.4 Use of Existing Standards in Utility Coordination

Room 2H, Second Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Zahra Ashrafi, Pengcheng Ge, Claire Lukka, Lawrence Arcand, Richard Morales

Moderator

Ophir Wainer

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

Smart Test Pits, Better Roads/Corridors: A Risk-Based Approach for Transportation Projects
Zahra Ashrafi, Parsons

Utility Coordination in Highway Projects on Extended Hold: Insights from a New Interchange in Hamilton
Pengcheng Ge, Arcadis
Richard Morales, Arcadis

Reducing Risk Through Communication: Soft Skills in Utility Coordination
Claire Lukka, 4Sight

Utility Risk to Project Certainty: Why Transportation Projects Need a Project Utility Engineer
Lawrence Arcand, 4Sight

ST.3 Transportation Structures

Room 7-8, First Floor
Monday, October 05 14:00 - 15:30

Presenter / Author

Ray Wilcock, Siva Venugopalan, Ben Sadawi, Randel Sitepu

Moderator

Rob Simpson

Description:

Organized by the Structures Committee

Corrosion Protection Plan for Harry Nice/Middleton Bridge over Potomac River in Newburg, Maryland
Siva Venugopalan, Siva Corrosion Services, Inc.
Ben Sadawi, Siva Corrosion Services, Inc./DuraReinforce Dynamics, LLC

Corrosion Mitigation Strategies for Durable Bridge Infrastructure
Randel Sitepu, Vector Corrosion Technologies

Buried Bridges, More Resilient & Sustainable
Ray Wilcock, Corrugated Steel Pipe Institute (CSPI)

AT.9 Communicating Effectively with Diverse Audiences on Active Transportation Issues

Room 5, First Floor
Monday, October 05 14:00 - 17:30

Presenter / Author

Donovan Toews

Moderator

Walter Burdz

Description:

Organized by the Active Transportation Integrated Committee

This workshop will provide practical tools and strategies to support effective communication on active transportation topics, including demand, standards, facility types, and funding.

An introductory presentation will cover:

- Defining and understanding your target audience
- Considering your audience perspectives
- Tailoring key messages
- Gathering and integrating feedback
- Communicating outcomes and building consensus

Following a short break, participants will rotate through facilitated breakout discussions focused on communicating with politicians, planners/designers, end users, facility owners/operators, and stakeholder groups. The workshop will conclude with key takeaways, and participants will receive a workbook to use in their workplace.

How to attend: If you'd like to attend the workshop but didn't pre-select this event on your registration form, show up at the room at the scheduled workshop time to check if space permits.

PV.4 Roads to Resilience: Designing, Constructing, and Maintaining Tomorrow's Pavements

Room 2G, Second Floor
Monday, October 05 14:00 - 17:30

Presenter / Author

Aurangzeb Alamgir, David Smith, Jean-Martin Croteau

Moderator

Shawn Lapain

Description:

Organized by the Pavements Committee

This panel discussion will explore partnership approaches to the design, construction, and ongoing maintenance of pavement infrastructure in rural Indigenous communities.

Topics of discussion may include:

- Assessing local conditions, available resources, and community needs
- Applicable design standards and construction specifications
- Implementation of Indigenous Participation Plans (IPP)
- Contractor and contractor engagement
- Budget development, construction schedules, and available funding mechanisms
- Pavement performance requirements and thresholds

Active Transportation — Bike Tour

Monday, October 05 14:30 - 16:30

Description:

Pre-registration required

Capacity: 15 Participants
Mode of Transportation: Cycling

A guided cycling tour of Winnipeg’s active transportation infrastructure. Starting and ending in downtown, the tour will take you through recent projects that highlight new connections and remaining gaps.

Provided: Helmet and Bike

Focus Area: Mobility and Safety, Design & Operations and Technology

Accessibility notes: People should expect to cycle on public roads, bike lanes and bike paths (that are relatively flat) for the majority of the two hour tour. There will be lots of chances to stop and chat about projects and infrastructure. The bikes provided are standard bikes with a single gear.

Arlington Bridge Tour

Monday, October 05 14:30 - 17:00

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

After more then a century of connecting neighbourhoods the Arlington bridge was unexpectedly closed to all traffic in 2023 when structural issues could no longer be addressed with maintenance. Join this guided tour with the team that is removing the south spans of the bridge in the summer of 2026 and are working on decommissioning the remaining spans in 2027 as well as designing a replacement bridge that will re-establish the connection across the CPKC rail yards.

Focus Area: Infrastructure & Asset Management

Personal Protection Equipment (PPE) required:
Participants must bring: CSA approved steel toe boots
Provided: Vest and hard hats

Accessibility notes: Tour participants should expect to take a 15 minute bus ride to the bridge followed by around 90 minutes of a walking around the bridge site (including long stretches with a steep grade) before returning on the bus. The buses are all equipped with level boarding and the tour will be on a closed portion of the road. Some of the walking areas may be gravel or uneven. CSA approved steel toe boots are required.

Refreshment Break

Hall C, Third Floor
Monday, October 05 15:30 - 16:00

Description:

AT.1 A Debate on Mixing Zones, Sidewalks, Pathways and More

Room 2, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Maggie Boeske, Dorothy Kowpak, Alexander Bigazzi, Brian Patterson

Moderator

Nataliya Pekar

Description:

Organized by the Active Transportation Integrated Committee

A growing body of tools has been developed for separating facilities for pedestrians and people cycling. This conversation is heavily influenced by speeds, spatial need, operations, and, most prominently, accessibility. The latest toolbox includes such approaches as separating cyclists and pedestrians at intersections, using detectable and traversable separation between cycling and pedestrian facilities mid-block, and exploring different tools for providing positive guidance for users and clarifying expected behavior. At the same time, separating users can be challenging in space-constrained locations or where desire lines are complex. Mixing zones and combined-use facilities remain in the toolbox for most practitioners. The key question is: When should we use which approach? Are all facilities always needed? How do we effectively weigh the inevitable trade-offs?

CC.2 Achieving Sustainable Decarbonization Goals in the Transportation Sector

Room 3, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Andrew King, Amin Fattahi, Danielle Wiess

Moderator

Ray Wilcock

Description:

Organized by the Climate Change Integrated Committee

A Regional Networks Approach to Achieving Decarbonization Goals in Semi-Urban Regions
Danielle Wiess, Community Energy Association

Assessing Awareness of Transport Emissions in Residential Location Decisions
Amin Fattahi, École Polytechnique de Montréal

DA.7 Transportation Data and Analytics

Room 11-12, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Chandler White, Qing Su, Winnie Lai, Clayton Clemens, Veronica Ayetan, Nick Leeb

Moderator

Maryam Bostani

Description:

Organized by the Digital Applications Committee

Turning Collision Narratives into Safety Insights: A Privacy Preserving AI Workflow
Chandler White, Parsons

An In-House Data Governance and Analytics Platform for Shared Micromobility Oversight
Qing Su, City of Vaughan
Winnie Lai, City of Vaughan

SmartShift: A Data-Driven Solution to Municipal Seasonal Scheduling
Clayton Clemens, City of Edmonton
Nick Leeb, City of Edmonton

Advancing Transportation Data Governance and Analytics Through Ontario's Highway Corridor Management System (HCMS)
Veronica Ayetan, Ontario Ministry of Transportation

TE.1 Transportation Technology — State of the Nation

Room 2F, Second Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Mara Bullock, Arif Rafiq, Brigid Canil

Moderator

Edward Stubbing

Description:

Organized by the Technology Council

As transportation technology continues to evolve and bring new opportunities and challenges to the sector, this panel will bring together leaders in the industry to discuss disruption, emerging trends and what is around the corner. Topics of discussion will include connected vehicles/automated vehicles, micro mobility, artificial intelligence, eVTOLs, drones and other emerging technologies.

ST.4 Transportation Structures

Room 7-8, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Chantal Cormier

Moderator

Rob Simpson

Description:

Organized by the Structures Committee

Sustainable Rehabilitation of the Hawkshaw Bridge Piers through Structural Overbuild and Galvanic Anode Technology
Chantal Cormier, Vector Corrosion Technologies

Periodic Ambient Vibration Testing to Evaluate Bridge Integrity: PR204 Red River Lift Span Bridge
Alexandre Darche, Sensequake

TP.19 Strategic Transportation and Land Use Planning

Room 9-10, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Matt Pinder, Zoltan Mucsi, Anyu Huang, Houssam Elokda

Moderator

Monique Beaudry

Description:

Organized by the Transportation Planning Committee

Improving the Effectiveness of Transportation Master Plans
Zoltan Mucsi, Arcadis

Land Use and Transportation Integration for Wildfire-Prone Communities: Existing Evidence and Current Research
Anyu Huang, University of Alberta

How to Design for People in a World that Still Needs Cars
Matt Pinder, Mobycon
Houssam Elokda, Happy Cities

TP.10 Health and Equity in Transportation

Room 2E, Second Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Matthieu Leveque, Eric Petersen, Shambel Esheti

Moderator

Mehemed Delibasic

Description:

Organized by the Transportation Planning Committee

Examining Tour Formation with a Focus on Gendered Differences
Eric Petersen, Mott MacDonald

A Realism-Driven Bicycling Simulator for Infrastructure Planning and Perception Analysis
Shambel Esheti, University of Alberta

De la conformité réglementaire à une plateforme IA de mobilité inclusive globale : repenser l'accessibilité comme projet collectif pour un Canada inclusife
Matthieu Leveque, Obsevatoire de la Mobilité et du develloppement des territoires (OMDT)

AM.3 Innovative Planning Strategies Across Asset Management

Room 1, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Niall O'Carroll, Abdul Mohammad, Staecey-Merveille Ngabire

Moderator

Nasir Mulk

Description:

Organized by the Asset Management Committee

Strategic Bridge Asset Management: Managing Critical Infrastructure
Niall O'Carroll, Associated Engineering

Renewing Critical Fire Protection Infrastructure in a Live Rail Yard: A Risk-Based Design Approach
Abdul Mohammad, GFT Canada

Capital Asset Planning for Bridge Infrastructure
Staecey-Merveille Ngabire, University of Windsor

MO.1 Public Engagement and Service Improvement

Room 13, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Nathan Farrell, Jennifer Cavanagh, Becky Katz, Heather McClintock

Moderator

Jeremy Harrison

Description:

Organized by the Maintenance and Operations Committee

Building Trust Through Clarity - Toronto's Service Delivery Review
Becky Katz, City of Toronto

City of Airdrie Alberta Snow and Ice Review
Heather McClintock, WSP Canada

Strengthening Public Trust through Effective Engagement and Service Delivery
Jennifer Cavanagh, Egis
Nathan Farrell, Egis

GD.9 Urban Design Challenges — Accessibility, Vision Zero and Complete Streets

Room 4, First Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Robert Cotnam, Scott Weisenberg, Matt Austin, Liraz Fridman, Mehdi Heidari, Shahram Karimi

Moderator

Laurel Richl

Description:

Organized by the Geometric Design Committee

From Contention to Consensus: A Civic Circle Rethinks Guelph's Traffic Calming Policy
Liraz Fridman, City of Guelph

Evolution of Protected Intersection Design in the City of Ottawa
Robert Cotnam, Robinson Consultants
Scott Weisenberg, Robinson Consultants

City of Vancouver Vision Zero Action Plan Update - Collision Modification Factor Development
Matt Austin, Parsons

Integrating Low Impact Development (LID) Features with Streetscaping as Best Practice for Stormwater Management in Municipal Roadway Projects
Shahram Karimi, Parsons
Mehdi Heidari, Parsons

TF.1 Alternative Finance and Delivery Models for Major Transportation Projects — Lessons Learned

Room 2H, Second Floor
Monday, October 05 16:00 - 17:30

Presenter / Author

Joel Carlson, Joshua Engel-Yan, Cynthia Ritchie

Moderator

Saloni Shah

Description:

Organized by the Transportation Finanace Committee

Delivery of major transportation capital projects is inherently challenging. High construction cost escalation, scarcity of labour, and a shifting tolerance in the market for risk has left governments and public agencies searching for new strategies to deliver effective projects. Knowledge sharing and learning will be essential to helping to ensure that the ambitious pipeline of major transportation projects can be delivered in the face of the present challenges. This panel will assemble speakers from different jurisdictions to share their experiences delivering major transportation projects. The discussion will focus on procurement model selection (including project financing strategies), risk management, and project governance.

Monday Night at the Museum for Human Rights

Monday, October 05 18:00 - 22:00

Description:

85 Israel Asper Way, Winnipeg; Business Casual

Bars will be available; cash, credit cards, debit cards, and mobile wallets will be accepted. Or use your remaining drink ticket(s). Drink tickets are not required for non-alcoholic beverages.

Experience an unforgettable evening at the Canadian Museum for Human Rights in Winnipeg, one of Canada's most striking and meaningful cultural landmarks.

Throughout the evening, attendees will have the opportunity to explore the museum's powerful exhibits and architectural spaces at their own pace. Exhibits will remain open until 21:00, and guests are encouraged to download the museum's mobile app for a guided tour experience: Visitors can also take the glass elevator up to the Israel Asper Tower of Hope observation platform for panoramic views of Winnipeg.

Adding to the atmosphere, the evening will feature a variety of entertainment surprises, including performances by dancers from the Royal Winnipeg Ballet Anna McCowan-Johnson Aspirant Program at 18:30, 19:30, and 20:30, live music and a unique photo opportunity with rescued wildlife.

The Museum Boutique will be open from 18:00 to 21:00.

Delegates are invited to walk or take the shuttle that is looping between hotels and the CMHR from 17:30 and 19:00 and again from 20:00 until around 21:30.
Shuttle Bus Route

Registration Desk & Info Booth

Hall B, Third Floor
Tuesday, October 06 7:30 - 17:30

Description:

Visit the **Registration Desk** to pick up your conference badge or register onsite.

The **Information Booth** is your go-to resource throughout the event. Stop by to collect your technical tour tickets, check tour availability, get answers to conference questions, learn more about TAC, or find information on local attractions and tourism in Winnipeg.

Exhibition Open

Hall C, Third Floor
Tuesday, October 06 8:00 - 16:00

Description:

Business casual attire

The Exhibition is a central hub of activity at the 2026 TACConf, bringing together over 80 exhibiting organizations from across Canada. It opens during the Welcome Reception and continues throughout Monday and Tuesday.

Explore booths and connect with suppliers, consultants, and public sector organizations before the Exhibition closes at 16:00 on Tuesday.

The Exhibition Hall also offers:

- **Mobile phone charging station** – Borrow a portable battery
- **Continental breakfasts, coffee breaks, and desserts** – Enjoy refreshments throughout the day, including **dessert and coffee served after lunch.**
- **Lounges** – Take a break, catch up on notes, or connect with colleagues.

Continental Breakfast in the Exhibition Hall

Hall C, Third Floor
Tuesday, October 06 8:00 - 8:30

Description:

Presenter & Moderator Lounge/Ready Room

Room 15, First Floor
Tuesday, 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.

Walking Tour — Downtown

Tuesday, October 06 8:30 - 11:00

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Walking

Join Winnipeg's Planning, Property and Development Department for a guided walking tour of the downtown. Discover the behind-the-scenes urban planning, innovative pilot projects, future streetscape designs, and building developments shaping the heart of our city, and discuss how planning, design, public transit, engineering, and community initiatives all help move us towards the future.

Focus Area: Mobility

Accessibility notes: Tour participants should expect to walk around 3km outdoors in the downtown with multiple stops along the way.

New Flyer Bus Manufacturing Facility Tour

Tuesday, October 06 8:30 - 11:30

Description:

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

The Winnipeg New Flyer factory visit provides a comprehensive understanding of how modern transit buses are engineered, assembled, and tested. It demonstrates the complexity of the manufacturing process, the importance of quality assurance, and the industry's shift toward cleaner propulsion technologies. This tour offers valuable insight into the operational and technological factors that shape today's public transportation systems.

Requirements: Closed-toe shoes are required.

Focus Area: Infrastructure & Asset Management and Mobility

AT.3 Active Transportation in Rural Areas, Small Municipalities, and Indigenous Communities

Room 1, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Nick Sully, Pénélope Lussier-Tomaszewski, Wayne Gong, Jamie Stuckless

Moderator

Katy Schram

Description:

Organized by the Active Transportation Integrated Committee

Planning and Evaluating a Small Town Neighbourhood Bikeway Pilot Project: Findings and Lessons Learned
Nick Sully, WSP Canada
Jamie Stuckless, Stuckless Consulting

Canmore Going Dutch - Lessons for Effective Cycling Policy Transfer in Small Canadian Municipalities
Wayne Gong, Arcadis

Planning safe infrastructure and improving accessibility: A multicriteria approach for a pedestrian-cycling overpass
Penelope Lussier-Tomaszewski, Intervia

CO.1 Engineering Services Procurement Practices for Mid-Level Capital Projects

Room 2H, Second Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Jason Stahl, Erika Varga, Ron Weatherburn

Moderator

Michelle Stainton

Description:

Organized by the Construction Committee

A lot of attention is (rightfully) paid to procurement methods and best practices for project delivery for major infrastructure projects. This panel discussion will discuss the practices across jurisdictions for procurement of engineering services for "mid-level" capital renewal projects. These "bread and butter" type road and bridge renewal projects generally require a consistent scope of services from Engineering Services Procurement (ESP), that can cost an agency much time and resources to procure. What are the options?

AT.13 Stories from the Juncture: Intersections and Crossings

Room 3, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Amelie Cosse, Nabila Chatur, Phil Weber, Narayan Donaldson, James Schofield, Ken Wimble, Josée Vautour, Keenan Patmore

Moderator

Nataliya Pekar

Description:

Organized by the Active Transportation Integrated Committee

Using construction phasing to deliver a pedestrian-focused public realm - an international example from London, UK
Amelie Cosse, Momentum Transport Consultancy

Innovations at a Roundabout in Thunder Bay
Phil Weber, CIMA+

Designing and Implementing a Two Stage Signalized Pedestrian Crossing on a High Volume Arterial
James Schofield, Iter Safety

Creating Connections at Bison and Waverley: Winnipeg's First Displaced Left-turn Intersection
Ken Wimble, WSP Canada

Safer Crossings at Signalized T-Intersections: Two Moncton Case Studies
Josée Vautour, City of Moncton

Main Street and Assiniboine Avenue Crossing Improvements
Keenan Patmore, City of Winnipeg

Selecting Crosswalk Types at Challenging Intersections
Narayan Donaldson, Mobycon

95 St/108A Avenue - Testing an Alternative to Signalization
Nabila Chatur, City of Edmonton

DA.4 From Vision to Reality: Operationalizing AI and Data in Transportation

Room 2F, Second Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Jacob Malleau, Brent Rogerson, Maryam Bostani, Muntasir Billah

Moderator

Benjamin Loucks

Description:

Organized by the Digital Applications Committee

Transportation agencies are moving beyond strategy to implementation—transforming AI and advanced data into practical solutions that deliver improvements in operations and decision-making. This panel will feature practitioners who have successfully deployed AI-driven tools and integrated new data sources to address real-world challenges. They will share how they identified opportunities for innovation, navigated the complexities of moving from concept to operational deployment, and overcame obstacles along the way.

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

Room 4, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Gwen Coolidge, Jon Martin, Graeme Loeppky

Moderator

Gregg Cooke

Description:

Organized by the Geometric Design Committee

Pembina Highway Overpass Rehabilitation at Abinojii Mikanah - Realigning Eastbound to Northbound/Southbound Ramp
Gwen Coolidge, Stantec Consulting

Deerfoot Trail - Douglasdale to Calf Robe
Jon Martin, Stantec Consulting

Esker-Based Design for Resilient Northern Infrastructure
Graeme Loeppky, Dillon Consulting

TP.3 Decision Making, Evaluation and Monitoring

Room 2E, Second Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Mark Pollard, Chris Willett, Juliette Fèvre, Stephan Kellner, Christopher Dunbar

Moderator

Jonathan Chai

Description:

Organized by the Transportation Planning Committee

Decision-making in mobility and planning projects: methods and applications
Juliette Fèvre, EXP Services
Stephan Kellner, EXP Services

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

Decision-Making at Multiple Scales: Developing an Expansion Plan for Bike Share Toronto
Chris Willett, Mott MacDonald

MO.2 Resilient Winter Maintenance Practices

Room 9-10, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Staecey-Merveille Ngabire, Heather McClintock, Will Hume, Mike Smoljanovic, Jerry Liu

Moderator

Jean-Luc Lambert

Description:

Organized by the Maintenance and Operations Committee

Winter is Coming: Designing for Snow at Innovative Intersections and Interchanges
Will Hume, HDR Corporation

Modernizing Sidewalk and Pathway Snow Clearing Progress Reporting Using AVL Data
Mike Smoljanovic, City of Winnipeg
Jerry Liu, City of Winnipeg

Updated Findings from Pilot Testing of Calcium Chloride De-icer at Very Low Temperatures in Northern Ontario
Staecey-Merveille Ngabire, University of Windsor

TP.17 Learning from Failure

Room 7-8, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Robert Cotnam, Nabila Chatur, Blanka Bracic, Mathew Koprash

Presenter & Moderator

Brian Phillips

Description:

Organized by the Transportation Planning Committee

A tale of two sides of a neighbourhood in Edmonton, Alberta
Nabila Chatur, City of Edmonton

When Change Isn't Embraced: Lessons Learned from Public Resistance to Innovation
Robert Cotnam, Robinson Consultants

West Van Story: When the public doesn't like your project
Brian Phillips, Access Planning

Learning from Failure: Surviving Distressed Projects, Turnover, and the Unexpected
Mathew Koprash, Egis

Playing the long game in city-building through mobility
Blanka Bracic, Arcadis

PV.5 The Road Ahead: Analyzing Futuristic Vehicle Technologies and Changing Traffic Impact on Pavement Life

Room 13, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Stephen Goodman, Phillip Blankenship, M. Alauddin Ahammed

Moderator

Pejoohan Tavassoti-Kheiry

Description:

Organized by the Pavements Committee

Adequate Friction for the Road Ahead - Accelerated Performance of Aggregates after 1-million Polishing Cycles
Stephen Goodman, Goodman Pavement and Materials Engineering
Phillip Blankenship, Blankenship Asphalt Tech & Training

Effects of Traffic Loads and Asphalt Thickness on PMED Software Predicted Distresses in New Flexible Pavements
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure
Yasir Shah, Manitoba Transportation and Infrastructure

ST.5 Transportation Structures

Room 2, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

David MacLaggan, Mike Lyseyko, Michael Penner, Danielle-Magda Salem

Moderator

Azita Azarnejad

Description:

Organized by the Structures Committee

Bridging the North: Innovations, Lessons Learned, and Multi-Disciplinary Insights in Northern Bridge Design and Construction
David MacLaggan, Stantec Consulting

Major Structure Rehabilitation of Bridge over the Burntwood River on PR 391 in Thompson, MB
Mike Lyseyko, Tetra Tech Canada
Danielle-Magda Salem, Manitoba Transportation and Infrastructure

The Apex Bridge Replacement - Apex, Nunavut
Michael Penner, Dillon Consulting

SO.2 Innovation in Roadway/Embankment Materials and Geotechnical Engineering

Room 11-12, First Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

M. Alauddin Ahammed, Omran Maadani, Pejoohan Tavassoti-Kheiry, Marcus Wong, Mehran Kafi Farashah

Moderator

Nasir Mulk

Description:

Organized by the Soils and Materials Committee

Understanding Workability Behaviour of Multi-Layer Plastic Modified Asphalt Concrete with Temperature
Pejoohan Tavassoti-Kheiry, University of Waterloo

Design and Field Implementation of a Pavement Instrumentation System for Monitoring High-RAP Warm Mix Asphalt Performance
Omran Maadani, National Research Council Canada / Conseil national de recherches Canada
Mehran Kafi Farashah, Regional Municipality of York

Characterizing Asphalt Concrete Mixes for Balanced Mix Design (BMD) and Sustainable Pavement Structures in Manitoba
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure
Marcus Wong, Manitoba Transportation and Infrastructure

AM.10 Strategic Asset Management for a Strong and Resilient Canada

Room 2G, Second Floor
Tuesday, October 06 8:30 - 10:00

Presenter / Author

Becky Katz, Marta Juhasz, Sarah Soleimanifar, Tara Erwin

Presenter & Moderator

Sadegh Kazemi

Description:

Organized by the Asset Management Committee

Canada’s transportation networks are vital to economic growth, trade, community connectivity, and quality of life. However, aging assets, climate-related risks, increasing demand, constrained funding, and rapidly evolving technologies are changing how transportation infrastructure must be managed.

This panel will bring together public- and private-sector leaders to discuss how strategic asset management can support better investment decisions, improve network reliability and resilience, and deliver greater value throughout the infrastructure lifecycle. The panelists will share perspectives on balancing infrastructure renewal and expansion, applying risk-based decision-making, using emerging technologies, and strengthening collaboration between public agencies and industry to keep Canada moving.

Manitoba Legislative Building / Hermetic Code Tour

Tuesday, October 06 9:00 - 12:00

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Walking

A tour of the Manitoba Legislative Building takes you on a journey through the history and mystery of the design and architecture of this famous Manitoba landmark. See the Golden Boy, experience the Pool of the Black Star, and learn a bit of Manitoba history on this walking tour that starts just a few blocks from the conference.

CentrePort Canada Tour

Tuesday, October 06 9:00 - 11:30

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Walking

CentrePort Canada is one of North America's largest trimodal inland ports and Foreign Trade Zones. Strategically located at the hub of the international trading corridors, CentrePort Canada connects businesses to major markets around the globe. This off-site presentation will take place at the CentrePort Canada offices at Portage and Main. Learn more about CentrePort Canada at www.centreportcanada.ca

Focus Area: Mobility

Accessibility notes: Tour participants should expect to walk 15 minutes to the CentrePort Canada offices where the tour will be held in the main boardroom. Tour participants will walk back after the presentation.

City of Winnipeg — Transportation Management Centre Tour

Tuesday, October 06 9:00 - 11:00

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Bus

The Winnipeg Transportation Management Centre is a leading-edge facility that uses data to process and manage traffic incidents and keep the public aware of what's happening on the city streets. Join this tour to get a behind-the-scenes look at the technology used to monitor and manage the city's traffic flow and traffic signal systems.

Focus Area: Safety, Design & Operations and Technology

Accessibility notes: Tour participants should expect to take a 10 minute bus ride to the Transportation Management Centre where the tour will begin. The tour is indoors and will move around the main floor of the building. No stairs or steps are required and the bus is equipped with level boarding.

Refreshment Break

Hall C, Third Floor
Tuesday, October 06 10:00 - 10:30

Description:

AT.4 Active Transportation in Rural Areas, Small Municipalities, and Indigenous Communities

Room 1, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

Mathew Koprash, Jamie Hilland, Kari Fellows

Moderator

Katy Schram

Description:

Organized by the Active Transportation Integrated Committee

Advancing Active Transportation in Rural, Small Municipal, and Indigenous Community Contexts
Mathew Koprash, Egis

AT Planning in rural & small town Nova Scotia, Ontario, and Manitoba - opportunities abound!
Jamie Hilland, Urban Systems

Connecting Rural and Semi-Urban Communities: Inclusive and Context Sensitive Transportation Planning Across Ontario
Kari Fellows, Egis

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

Room 4, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

Shahram Karimi, Mary Lynn Smith, Jonathan Ho, Smith Siromaskul, Ava Li

Moderator

Marcia Eng

Description:

Organized by the Geometric Design Committee

Fortnight, Mario Cart, and…I-277? Traffic so bad it became a video game
Mary Lynn Smith, HDR Corporation
Smith Siromaskul, HDR Corporation

Highway 1/264th Street Interchange Project - Construction Staging of a DDI
Jonathan Ho, Kiewit Engineering
Ava Li, Kiewit Engineering

Urban Development Impacts on Highway Drainage (Case Study: Highway 400 and Highway 401)
Shahram Karimi, Parsons

TP.4 Decision Making, Evaluation and Monitoring

Room 3, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

David Jalbert-Gagnier, Bhavana Nelliparambil, Holly Parkis

Moderator

Jonathan Chai

Description:

Organized by the Transportation Planning Committee

Efficient risk in linear megaprojects with hierarchy based on risk drivers
Holly Parkis, SMA Consulting Ltd.

From Blurry Accountability to Clear Ownership: Delivery Partners, Partners in Delivery & the Interface Management
Bhavana Nelliparambil, Colliers Project Leaders

Mobility Projects as Governance Objects: Coordinating Long-term, Multi-Actor Delivery
David Jalbert-Gagnier, Capgemini

RS.3 Safe Road Design

Room 13, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

Aaron Giesbrecht, May Raad, Ariel McCance, Samira Hamiditehrani

Moderator

Amanda Pushka

Description:

Organized by the Road Safety Committee

Going Full Circle: Evaluating the Safety Impacts of Roundabouts
Aaron Giesbrecht, HDR Corporation
May Raad, HDR Corporation

Comparative Evaluation of Video Based Traffic Conflict Analysis to Support Guideline Development
Samira Hamiditehrani, CIMA+

Evaluating Safe Interchange Designs During Functional Planning
Ariel McCance, ISL Engineering and Land Services

AM.4 Innovative Planning Strategies Across Asset Management

Room 9-10, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

Alice Wong, Ryland Potter, Laura Thriftwood, Mark MacDonald, Roy Tal

Moderator

Ross McFarland

Description:

Organized by the Asset Management Committee

End-to-End Intelligence: AI-Powered Pavement Lifecycle Management and Operational Intelligence
Alice Wong, City of Markham
Roy Tal, CITYROVER

AI-Driven Analysis of Remaining Friction Service Life to Inform Asset and Pavement Management Decision Making
Ryland Potter, W.D.M. (USA) Limited
Laura Thriftwood, W.D.M. (USA) Limited

Why We Should Standardize Cost Tracking Now: Building the Foundation for More Affordable Transit
Mark MacDonald, Colliers Project Leaders

IT.2 Intelligent Transportation Systems and Climate Change **CANCELLED**

Room 2G, Second Floor
Tuesday, October 06 10:30 - 12:00

Description:

Organized by the Intelligent Transportation Systems Committee and in partnership with the Climate Change Integrated Committee

Climate change will have diverse implications for mobility, and technology can play a significant role in addressing these implications. Several examples illustrate how technology can be leveraged in this context:

- Real-time data collection systems, such as sensors and cameras to monitor and gather data, weather conditions, water levels, and traffic flow to anticipate and respond to flood events promptly.
- Deployment of traffic management systems enables rapid mitigation of flooding impacts, including remote gates and warning signs activation to close roads. This system can remotely detour vehicles, preventing access to flooded zones and reducing damage claims against municipalities or provinces while enhancing safety.
- Advanced traveler information systems, such as mobile apps and roadside technologies, enhance road authorities' ability to manage extreme weather conditions. These systems provide updated guidance to citizens for safe and efficient evacuation during events like wildfires, hurricanes, and snowstorms.

MM.3 Mobility Shout Outs, Gripes, and Hot Takes

Room 7-8, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

Jamie Stuckless, Blanka Bracic, Radya Rifaat, Arif Rafiq, Peter Richards, Monique Beaudry, Thomas Chhun

Moderator

Jacob Malleau

Description:

Organized by the Mobility Management Committee

Inspired from the infamous event at Mpact conference, this session gives us the opportunity to have some real chats about the mobility industry. Come here some opinions, lessons learned, and creative ideas about mobility in a fast-paced PechaKucha format. Prepare for a range of presentations, from lighthearted to dramatic performances - crowd participation also encouraged!

Traffic complaints in a small but growing Atlantic Canadian city
Radya Rifaat, City of Moncton

A Tale of Fiefdoms and Perspectives
Arif Rafiq, Esri Canada

What I Learned Pushing a Stroller
Jamie Stuckless, Stuckless Consulting

Why Don't We Plan for Transit Demand in the Same Way We Plan for Traffic Demand?
Monique Beaudry, Associated Engineering

Your Data Is Only as Good as the Story It Tells
Peter Richards, Parkalytics

Driven by passion: Why active transportation is more than infrastructure
Blanka Bracic, Arcadis

A Field Guide for the Vancouver SkyTrain Commuter
Thomas Chhun, GHD

AT.14 Traffic Circulation Plans: How to Engage on Big Traffic Changes

Room 5, First Floor
Tuesday, October 06 10:30 - 12:00

Facilitator

Mehemed Delibasic, Melcsi Tasnadi

Presenter / Author

Amelie Cosse, Marco Chitti, Jérémie Aubé

Moderator

Matt Pinder

Description:

Organized by the Active Transportation Integrated Committee

High traffic volumes in residential and community areas can create unsafe and unfriendly environments. Traffic circulation plans divert vehicles away from sensitive areas while maintaining smooth flow. While such approaches have delivered benefits in cities such as Barcelona's Superblocks, Groningen's car-free town centre, and London's low-traffic neighbourhoods, they can also generate public concern.

This workshop will:

- Provide an overview of traffic circulation plans in Europe and Canada
- Propose a traffic circulation plan for a Canadian community
- Task participants with developing a news headline and key talking points for the plan

How to attend: If you'd like to attend the workshop but didn't pre-select this event on your registration form, show up at the room at the scheduled workshop time to check if space permits.

CC.3 **CANCELLED** Adapting to Climate Change: The Role of Intelligent Transportation Systems in Highway Resilience

Room 2F, Second Floor
Tuesday, October 06 10:30 - 12:00

Description:

Organized by the Climate Change Integrated Committee and in partnership with the Intelligent Transportation Systems Committee

This panel will discuss how intelligent transportation systems (ITS) can enhance the resilience and adaptability of highway networks. Experts will discuss innovative technologies that support proactive responses to climate-related disruptions. The session will highlight case studies, policy implications, new technology and collaborative strategies for integrating ITS into climate adaptation planning. Attendees will learn how data-driven strategies and smart infrastructure are shaping the future of highway systems.

ST.6 Transportation Structures

Room 2E, Second Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

David Hubbell, Megan Duhig, Andrew Lehan, Alexi Menjivar

Moderator

Azita Azarnejad

Description:

Organized by the Structures Committee

Canada Drive - America Avenue Bridge: Ontario's First Post-Tensioned NU Girder Bridge
David Hubbell, Entuitive Corporation

Region of Durham utilizes Algonquin Modular Panel Temporary Bridge System to reconnect community of Beaverton, Ontario
Megan Duhig, Region of Durham
Alexi Menjivar, Algonquin Bridge

Making it Fit - Toronto's Lake Shore Boulevard Bridge Across the Don River
Andrew Lehan, Entuitive Corporation

SO.3 Innovation in Roadway/Embankment Materials and Geotechnical Engineering

Room 11-12, First Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

M. Alauddin Ahammed, Andre Dupuis, Hanaa Al-Bayati, Alexander Buttgereit, Fatemeh Bodaghi

Moderator

Karim Mohammad

Description:

Organized by the Soils and Materials Committee

Innovative Interlocking Concrete Pavement: Deflection Analysis and Urban Roadway Applications
Hanaa Al-Bayati, McMaster University

Performance of Geosynthetic-Reinforced Floating Roads under Cyclic Loading on Canadian Peatlands
Fatemeh Bodaghi, Hatch

Benchmarking AC Mixes for Stripping Potential and Establishing Required Measures for Ensuring Sustainable Pavement Structures
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure
Andre Dupuis, Manitoba Transportation and Infrastructure

Treatment of tar-containing asphalt granulate for sustainable recycling
Alexander Buttgereit, Jade University of Applied Sciences

IT.3 Intelligent Transportation Systems and Event Management

Room 2G, Second Floor
Tuesday, October 06 10:30 - 12:00

Presenter / Author

Andrea Lendak, Jerry Yang, Elizabeth Vieweg

Moderator

Brigid Canil

Description:

Organized by the Intelligent Transportation Systems Committee

Major events such as the FIFA World Cup, large-scale music festivals, and sold-out concerts like Taylor Swift's Eras Tour create extraordinary demands on transportation networks. These occasions require innovative and adaptive solutions for planning, logistics, and real-time operations. This session explores how intelligent transportation systems (ITS) can transform event management by optimizing traffic flow, enhancing real-time communication, and ensuring seamless coordination across multiple transportation modes. From integrating transit systems and implementing dynamic congestion management to supporting rapid emergency response, ITS technologies play a crucial role in maintaining safe, efficient, and responsive mobility during high-demand periods. The panel will feature 3 to 4 experts with direct experience in transportation logistics for major international and local events, sharing best practices, lessons learned, and forward-looking strategies for using ITS to keep the crowds — and cities — moving smoothly.

Tuesday Lunch

Hall A, Third Floor (Enter through Hall C)
Tuesday, October 06 12:00 - 13:00

Description:

Business casual attire.
Please arrive promptly, as lunch is served plated.

Tuesday's lunch spotlights the **next generation of transportation leaders.**

Lunch is again served plated from noon until 12:40, giving delegates the chance to eat and chat with colleagues at their table. From 12:40 to 13:00, recipients of **TAC's 2026 Young Professional Awards** and **Student Paper Prizes** will be celebrated. The **TAC Foundation** will also update us on its scholarships and programs that support 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. Enjoy this last opportunity to visit the booths, as the Exhibition wraps up at 16:00.

Networking Dessert/Coffee in the Exhibition Hall

Hall C, Third Floor
Tuesday, October 06 13:00 - 14:00

Description:

CN Training Facility Tour

Tuesday, October 06 14:00 - 17:00

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Bus

Opened in 2014, CN Campus is a state-of-the-art facility that offers induction and recertification programs for employees across Transportation, Engineering and Mechanical functions. The training team supports this mission through a blended learning experience that combines classroom instruction, laboratory work, and simulation-based training to integrate both theory and hands-on practice, all while maintaining an unwavering commitment to safety.

Focus Area: Workforce Development

Accessibility notes: Tour participants should expect to take a 20 minute bus ride to the CN Training facility where the tour will begin. The tour be about 90 minutes long where people will walk between different areas of the facility using ramps and elevators as necessary.

Province of Manitoba — St. Mary's Interchange and the Floodway Inlet Structure Tour

Tuesday, October 06 14:00 - 17:00

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

This bus tour explores south Winnipeg's major provincial infrastructure, featuring stops at the historic Red River Floodway Inlet Control Structure and the recently completed St. Mary's Road Interchange.

Focus Area: Infrastructure & Asset Management

Accessibility notes: Tour participants should expect to take a 30-40 minute bus ride to first tour stop. Each stop will involve light walking outside with some stairs.

AT.6 Creating Strong Communities through Active Mobility and Placemaking Projects

Room 2F, Second Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Karin Kliewer, Amy Schwartz, Michel Durand-Wood

Moderator

Eva Kwok, P.Eng.

Description:

Organized by the Active Transportation Integrated Committee

This panel explores how active transportation and placemaking can serve as powerful economic drivers, shaping healthier, more connected communities across Canada. Framed within the conference theme “Transportation for a Strong Canada”, the discussion would aim at contrasting bottom-up, community-led approaches to creating vibrant, people-centered places with top-down, large-scale infrastructure planning. Panelists could include a mix of economists, transport planners, and local advocacy leaders to debate how local perspectives on walkability, cycling, and public space design can complement or even outperform centralized strategies in achieving sustainable mobility, economic vitality, and social resilience.

CC.6 Reducing Embodied Carbon in Transportation Infrastructure Projects

Room 2G, Second Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Joseph Shacat, Ian Whitehead, Jessica Achebe, Prabh Banga

Moderator

Andrew Harkness

Description:

Organized by the Climate Change Integrated Committee

Transportation infrastructure is a significant contributor to global greenhouse gas emissions, and achieving net zero emissions is crucial for a sustainable future. This panel discussion session will explore what agencies, organizations and industry are doing to move along the path to net zero, with a focus on how we can collectively reduce embodied carbon in transportation infrastructure projects that also contribute to nation-building through enhanced mobility, resilience and a strong Canadian economy.

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

Room 4, First Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Smith Siromaskul, Tim Sorochinsky, Jacob Pacheco-Phillips, Ellen Simpson, Joseph Arcaro, Larysa Hyzka

Moderator

Dave Dulay

Description:

Organized by the Geometric Design Committee

Innovative Design Solutions for Urban Interchanges: A Case Study of a Signalized Turbine Interchange in Chicago
Ellie Simpson, HDR Corporation
Smith Siromaskul, HDR Corporation

Gordie Howe International Bridge Project - Identifying the location, configuration, geometrics and design challenges.
Tim Sorochinsky, AECOM
Larysa Hyzka, AECOM

From Research to Recommendations: Developing Design Standards for Select 140 km/h Design Speed Design Parameters
Jacob Pacheco-Phillips, HDR Corporation
Joseph Arcaro, HDR Corporation

RS.4 Safe Road Design

Room 3, First Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Mehemed Delibasic, Jason Kumagai, Kanny Chow

Presenter & Moderator

Thomas Smahel

Description:

Organized by the Road Safety Committee

Creating Safer School Connections: A Vision Zero Road Safety Review in New Westminster
Kanny Chow, City of New Westminster

Human factors evaluation of dynamic multi-train warning sign design concepts
Thomas Smahel, Human Factors North

Considering Human Behaviour and Roadway Design: Where Human Factors and Traffic Engineering Converge
Mehemed Delibasic, 30 Forensic Engineering
Jason Kumagai, 30 Forensic Engineering

TP.20 The Great Canadian Transportation Debate: Listening and Understanding Opposing Views

Room 2H, Second Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Guillermo Martinez Illas, Sergio Fernandez Aguilar, Paul Lee, Zeeshan Haider, David Kriger, Francesco Ciari

Moderator

Radya Rifaat

Description:

Organized by the Transportation Planning Committee

In a world of increasing polarization, transportation professionals can still hear opposing views to challenge our thinking and create understanding. The transportation debates will provide a forum for hearing opposing views in a fun and interactive setting.

Two debates will be presented:

1. **Bus Rapid Transit versus Light Rail Transit**
   Resolution: Since it is often more economical and easier to implement, Bus Rapid Transit (BRT) should be considered over Light Rail Transit (LRT).
2. **Sustainable Mobility Goalsversus Traditional Modelling**
   Resolution: Transportation planning should move away from reliance on vehicle demand forecasting models, focusing instead on prioritizing non-automobile modes to achieve sustainable mobility goals.

AM.5 Innovative Planning Strategies Across Asset Management

Room 7-8, First Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Showaib Ahmed Chowdhury, Yassine Bennani, Aleks Kivi

Moderator

Benoit Kroely

Description:

Organized by the Asset Management Committee

Stakeholders' Perception on Pavement Life Cycle Assessment (LCA) in Canada
Showaib Ahmed Chowdhury, GEMTEC

Dual iPAVe Deployment Strategy: Managing Large-Scale Pavement Surveys in Texas
Yassine Bennani, ARRB Systems

Managing Pavement Performance Measures on Highway Concessions
Aleks Kivi, Applied Research Associates

TP.8 Doing More with the Space We Have

Room 2E, Second Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

John Grieve, Éric Taylor, Matthew Chan

Moderator

Brian Phillips

Description:

Organized by the Transportation Planning Committee

Groundside Improvements: Relieving Curbside Congestion at the Airport
John Grieve, TYLin International Canada

City of Burnaby Bus Speed and Reliability Program - Canada Way Corridor Study
Matthew Chan, Parsons

From Curb to Curb: How the VivaCité Corridors Team Delivers Active Mobility Infrastructure Quickly, Efficiently, and Without Major Reconstruction
Éric Taylor, Ville de Québec

PV.1 A Changing Climate: Pavement Resilience in the Era of a Changing Global Landscape

Room 9-10, First Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

M. Alauddin Ahammed, Shivpal Yadav, Sam Esfandiarpour, Yasir Shah

Moderator

Mick Prieur

Description:

Organized by the Pavements Committee

Benchmarking Pavement Mechanistic-Empirical Design Sensitivity Using Typical Meteorological Year Climate Data
Sam Esfandiarpour, EXP Services

Sensitivity of PMED Software Predicted Distresses in New Flexible Pavements for Changes in Granular Materials
Shivpal Yadav, Thurber Engineering

Establishing Trends and Quantifying the Changes in Climatic Parameters to Support Climate Resilient Pavement Structures
M. Alauddin Ahammed, Manitoba Transportation and Infrastructure
Yasir Shah, Manitoba Transportation and Infrastructure

CO.3 Use of ASCE 38 on Major Transportation Projects Strategies and Innovation on Risk Mitigation

Room 5, First Floor
Tuesday, October 06 14:00 - 17:30

Presenter / Author

Claire Lukka, Lawrence Arcand, Tylor Bottorff

Presenter & Moderator

Ophir Wainer

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

This interactive workshop will introduce ASCE 38 and its application in managing utility-related risks on major transportation projects. Participants will learn how to collect, document, and communicate subsurface utility information to support risk-informed design.

Key topics include:

- Overview and purpose of ASCE 38
- Application in project planning and design
- Data collection and quality levels
- Documentation and information exchange

How to attend: If you'd like to attend the workshop but didn't pre-select this event on your registration form, show up at the room at the scheduled workshop time to check if space permits.

HR.2 Mental Health, Wellbeing and Belonging in the Transportation Industry

Room 2, First Floor
Tuesday, October 06 14:00 - 15:30

Presenter / Author

Kinzie McGillivary, Ashley Tull-Foster, Kenedee Ludwar, Kathryn Weicker

Moderator

Tara Erwin

Description:

Organized by the People, Experience and Development Committee (formerly Human Resources and Professional Development Committee)

Building on the important focus on recruitment and retention this session highlights some critical elements that are no longer optional for the transportation sector. What are the tools to supporting a psychological, healthy and safe environment that fosters employee mental health, well-being and belonging. What are the current best practices across Canada in creating great work environments that support organizations and employees thriving. In what ways is the transportation sector leading the way and what are the opportunities to growth and improvement.

Refreshment Break

Hall C, Third Floor
Tuesday, October 06 15:30 - 16:00

Description:

Student & Young Professionals Meet & Greet

Room: Pan Am, Second Floor
Tuesday, October 06 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.

TO.1 #Innovative Traffic Control

Room 1, First Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Ron Weiss, Jordan Belovski, Amy Hunter, Natalie Chui

Moderator

Daniel Beaulieu

Description:

Organized by the Traffic Operations and Management Committee

Advancing Regional Signal Connectivity: Halton Region's ATMS Integration Journey and Lessons Learned
Ron Weiss, Regional Municipality of Halton
Natalie Chui, Arcadis

Turbo Roundabouts: Are They an Effective Solution and How Complex Is Their Design?
Jordan Belovski, WSP Canada

BC Active Transportation Guide Updates: Rethinking Signal Control
Amy Hunter P.Eng., PTOE, PBX Engineering

DA.3 Digital Twinning for Transportation Assets

Room 11-12, First Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Ken Yang, Jacob Malleau, Florent Deloy, Jonathan Cunningham, David Shearon

Moderator

Kristen MacKay

Description:

Organized by the Digital Applications Committee

Enhancing Traffic Signal Operations by Digital Twin Technologies with ATSPM Data
Ken Yang, AECOM

From Static Maps to Living Systems: Operationalizing Digital Twins for the Right of Way
Jacob Malleau, Arcadis

Digital twin applied to urban mobility
Florent Deloy, Egis

Digital Twinning for Transportation Assets with iTwins
David Shearon, Bentley Systems
Jonathan Cunningham, Bentley Systems

GD.10 Unconventional Intersections and Roundabouts

Room 4, First Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Jake Ganter, Narayan Donaldson, Allison Kruger

Moderator

Phil Weber

Description:

Organized by the Geometric Design Committee

Applying Channelized Right Turns Beyond Conventional Contexts: Manitoba's Rural Approach
Jake Ganter, Manitoba Transportation and Infrastructure

The Kidney Bean Intersection, a pedestrian-friendly freeflow intersection design
Narayan Donaldson, Mobycon

Highway 1 & Grand Coulee Access: Offset Left Intersection and Roundabout
Allison Kruger, KGS Group

RS.7 Safe System Implementation in Canada — Continuing the Conversation

Room 2H, Second Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Liraz Fridman, Pedram Izadpanah, Hannah Barrett, Mark Hearson, Valerie Smith

Moderator

Raheem Dilgir, Tony Churchill

Description:

Organized by the Road Safety Committee

Building on discussions from the 2021 and 2023 TAC Conferences, representatives from national knowledge-sharing NGOs (TAC, Transport Canada, CCMTA, CARSP, Parachute, ITE Canada, and TIRF) will share updates on their activities supporting Vision Zero and the Safe System Approach.

This panel will:

- Summarize key activities since 2023
- Highlight ongoing challenges, successes, and new resources
- Identify opportunities for collaboration to advance shared goals

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PV.2 A Changing Climate: Pavement Resilience in the Era of a Changing Global Landscape

Room 9-10, First Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Showaib Ahmed Chowdhury, Boluwatife Afolabi, Sam Esfandiarpour

Moderator

Karim Mohammad

Description:

Organized by the Pavements Committee

Smart Pavement Maintenance: Machine Learning-Enhanced Life Cycle Cost Analysis for Freeze-Thaw Cycles
Boluwatife Afolabi, University of Windsor

Influence of Subgrade Material Type and Stiffness on Predicted Distresses Using the PMED Software for New Flexible Pavement Design
Sam Esfandiarpour, EXP Services

An LCA-Based Approach for Reducing GHG Emissions from Asphalt Pavements: An Ontario Study
Showaib Ahmed Chowdhury, GEMTEC

TP.11 Innovations in Transportation Modelling

Room 2F, Second Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Eric Miller, Kinan Bahbouh, Erika Brière, Amir Ghods, Sandrine Ducharme

Moderator

Hamzeh Alizadeh

Description:

Organized by the Transportation Planning Committee

Moving Beyond Single-Day Activity/Travel Models
Eric Miller, University of Toronto

Intégration des données massives dans les matrices O-D des modèles de simulation routière
Kinan Bahbouh, Ministère des Transports et de la Mobilité durable
Amir Ghods, SMATS Traffic Solutions

Reevaluating Trip Generation for Mixed-Use Developments to Avoid Overdesign
Erika Brière, EXP Services
Sandrine Ducharme, EXP Services

EN.4 Stream Simulation: Ecological Necessity or Engineering Challenge?

Room 2G, Second Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Cameron Robertson, Antóin O'Sullivan, Ed Torenvliet

Moderator

Presenter & Moderator

Michael Chiu

Description:

Organized by the Environment and Climate Change Council

This CBC Debaters-style session will explore whether stream simulation design should be considered the gold standard for fish passage in transportation projects.

Panellists will examine the role of stream simulation design in supporting ecological integrity and climate resilience, and will discuss key considerations such as cost, technical challenges, and regulatory requirements.

NG.2 Lessons Learned from Next-Generation Transportation Projects

Room 13, First Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Mike Smoljanovic, Jerry Liu, Maryam Moshiri, Cassidy Zrobek, Danial Faraji

Moderator

Jerry Yang

Description:

Organized by the Next-Generation Transportation Integrated Committee

From Complaints to Intelligence: Improving Pothole Patching Through Data-Driven Asset Planning
Jerry Liu, City of Winnipeg
Mike Smoljanovic, City of Winnipeg

Regulatory Issues and Best Practices for Micromobility in Canada and Internationally
Maryam Moshiri, KGS Group

Beyond "More Cars": Risk-Informed Sourcing for Longer LRVs and Re-Optimized Train Consists in Legacy Canadian LRTs
Danial Faraji, WSP Canada

Implementing Emergency Vehicle Preemption in Winnipeg: From Pilot to City-Wide Expansion
Cassidy Zrobek, City of Winnipeg

AT.7 Do All Streets Really Need Sidewalks?

Room 2, First Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Chris Redden, Samantha Langford, Vivi Dabee

Moderator

Bartek Komorowski

Description:

Organized by the Active Transportation Integrated Committee

Streets without sidewalks are common in low-density suburban residential areas across Canada. Some municipalities have policies that require the construction of sidewalks along all streets in new developments and mandate retrofits where they are missing. This panel will examine whether these policies are effective and appropriate, considering capital and operating costs, pedestrian safety and comfort, and alternative approaches. The discussion will also explore whether concepts such as the Dutch “living street” (woonerf) could offer a viable alternative in certain contexts.

TP.9 Doing More with the Space We Have

Room 2E, Second Floor
Tuesday, October 06 16:00 - 17:30

Presenter / Author

Wayne Gong, Rowaidah Chaudhry, Niloufar Ghaffari, Jordan Talker, Klassen Mok

Presenter & Moderator

Brian Phillips

Description:

Organized by the Transportation Planning Committee

One Street, Many Users: Brampton's MMLOS Framework
Rowaidah Chaudhry, City of Brampton

Emerging Dutch Complete Streets - Achieving More with Less Space
Wayne Gong, Arcadis

Reimagining Streets for Active Mobility in a Transit-Rich Future
Niloufar Ghaffari, HDR Corporation
Jordan Talker, HDR Corporation

Prioritizing Transit, and Everything Else, in Surrey BC
Brian Phillips, Access Planning
Klassen Mok, TransLink

Registration Desk & Info Booth

Hall B, Third Floor
Wednesday, October 07 7:30 - 15:30

Description:

Visit the **Registration Desk** to pick up your conference badge or register onsite.

The **Information Booth** is your go-to resource throughout the event. Stop by to collect your technical tour tickets, check tour availability, get answers to conference questions, learn more about TAC, or find information on local attractions and tourism in Winnipeg.

Presenter & Moderator Lounge/Ready Room

Room 15, First Floor
Wednesday, October 07 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.

Continental Breakfast

Hall B, Third Floor
Wednesday, October 07 8:00 - 8:30

Description:

EN.2 Growing Roots and Routes: Lessons learned from Terrestrial and Wetland Mitigation and Offsetting Efforts

Room 9-10, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Bryana Nicolas, Mitch Dender, Geoffrey Sherman, Geoffrey Sherman

Moderator

Blair McMahon

Description:

Organized by the Environmental Legislation Committee

How to make the "right" green grass grow. Bridging the gap between ecology and economy.
Bryana Nicolas, Manitoba Transportation and Infrastructure

Lesson Learned: Mitigating and Off-Setting Species at Risk Impacts in Peatland Dominated Northwestern Ontario Wetland Ecosystems
Geoffrey Sherman, AtkinsRéalis

Design and Implementation Challenges of Multi-Species Habitat Compensation in a Sensitive Wetland: The Long Point Causeway Rehabilitation
Mitch Dender, Parsons

AT.8 Emerging Ideas from Emerging Leaders

Room 7-8, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Scott Weisenberg, Anyu Huang, Florent Le Gac, Melcsi Tasnadi, Harouna Ly, Shambel Esheti

Moderator

Justin Jones

Description:

Organized by the Active Transportation Integrated Committee

The Road Safety Narrative: Communicating Infrastructure Upgrades Effectively
Scott Weisenberg, Robinson Consultants

Academic railway initiatives Development with the creation of the first student X scale locomotive competition
Florent Le Gac, CDPQ Infra

A view from 85cm off the ground
Melcsi Tasnadi, Other

From Theory to Traffic: A Trip Gen Reality Check
Harouna Ly, Intervia

A Realism-Driven Bicycling Simulator for Infrastructure Planning and Perception Analysis
Shambel Esheti, University of Alberta

Land Use and Transportation Integration for Wildfire-Prone Communities: Existing Evidence and Current Research
Anyu Huang, University of Alberta

GD.6 Confined Corridors and Intersections

Room 3, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Joseph Gowrie, Ben Haeusler, Éric Taylor, Gordon Foy

Moderator

Patrick Stancombe

Description:

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

Woodland Avenue Corridor and Rail Crossing Review, Beaconsfield QC
Joseph Gowrie, Shellex Consulting Group

Kelowna - Clement Crosstown Connector
Ben Haeusler, Stantec Consulting
Gordon Foy, City of Kelowna

Take it Slow, Let Green Grow
Éric Taylor, Ville de Québec

MO.3 Technology-Driven Improvements in Transportation Operations

Room 13, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Edward Stubbing, Denis Lambert, Suzzette Mellado

Moderator

Jean-Luc Lambert

Description:

Organized by the Maintenance and Operations Committee

Technology Applications for Intrusion Detection at Work Zones
Edward Stubbing, AECOM

RTLS: Transforming Transit Yard Efficiency, Safety, and Fleet Performance
Denis Lambert, Artelia Canada

Edmonton's paid parking transition to a mobile-only payment system
Suzzette Mellado, City of Edmonton

TP.5 Decision Making, Evaluation and Monitoring

Room 2E, Second Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Matthieu Leveque, David Forsey, Joel Carlson, Jyoti Nair

Moderator

Ahsan Habib

Description:

Organized by the Transportation Planning Committee

Measuring Transportation Benefits and Costs for Integrated Mobility Planning
David Forsey, Left Turn Right Turn
Jyoti Nair, Regional Municipality of Waterloo

Methodology for systematic identification of province-wide grade crossing needs
Joel Carlson, CPCS Transcom

Infrastructures d'arrêt légères et modulaires : un dispositif innovant pour la réactivation progressive des corridors ferroviaires
Matthieu Leveque, Obsevatoire de la Mobilité et du develloppement des territoires (OMDT)

TP.12 Innovations in Transportation Modelling

Room 1, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Alexander Bigazzi, Adam Harmon, Jérémy Gelb, Hamzeh Alizadeh

Moderator

Kinan Bahbouh

Description:

Organized by the Transportation Planning Committee

BC to ML-based calibration of Person Travel Model of Edmonton, AB
Adam Harmon, Bentley Systems

Methodological Advancements to Capture Mode-Specific Variations in Greenhouse Gas Emissions from Travel
Alexander Bigazzi, University of British Columbia

Measuring What Matters: Quality and Diversity of Public Transport Route Alternatives
Jérémy Gelb, Autorité régionale de transport métropolitain
Hamzeh Alizadeh, Autorité régionale de transport métropolitain

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SP.1 Highlights from the Canadian National Committee to the World Road Association

Room 2G, Second Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Leila Hashemian, Cory Wilson, Gary St.Michel

Moderator

Michael Pearson

Description:

Organized by the Canadian National Committee to the World Road Association

The Canadian National Committee to the World Road Association (PIARC) and its Canadian members will present highlights of their work from 2024 to 2027 in advance of the World Road Congress to be held in Vancouver in October 2027.

AM.8 Innovative Technologies in Asset Management

Room 11-12, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Niall O'Carroll, Roy Tal, Shreoshi Anika, Rachel Loboda, Haithem Soliman

Moderator

Ross McFarland

Description:

Organized by the Asset Management Committee

Municipal Pavement Management in Canada: A Comparative Overview of Monitoring and Decision-making Approaches.
Shreoshi Anika, University of Saskatchewan
Haithem Soliman, University of Saskatchewan

Leveraging Drone Photogrammetry and AI for Comprehensive Bridge Management
Niall O'Carroll, Associated Engineering
Rachel Loboda, Niricson

Eyes on Everything : AI for Modern Infrastructure Management
Roy Tal, CITYROVER

SO.4 Innovation in Roadway/Embankment Materials and Geotechnical Engineering

Room 4, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Berjees Anisa Ikra, Reza Manoochehri, Cynthia Xiong, Rielle Haichert, Sanat Pokharel

Moderator

Lindsay Johnston

Description:

Organized by the Soils and Materials Committee

Freeze-Thaw Performance of Geosynthetics-Reinforced Pavements: Field Tests After Four-Year Operation
Berjees Anisa Ikra, University of Victoria
Sanat Pokharel, Stratum Logics.com

A Coupled Hydrogeological-Geotechnical Framework for Sustainable Road Design in Northern Peatlands - Northern Road Link
Reza Manoochehri, AtkinsRéalis
Cynthia Xiong, AtkinsRéalis

Comparison of Triaxial Characterization of Road Materials for Highway Structural Modelling
Rielle Haichert, PSI Technologies

ST.1 Bridges on Low-Volume Roads

Room 5, First Floor
Wednesday, October 07 8:30 - 12:00

Presenter / Author

Salim Sarwar, Claire Spriggs

Presenter & Moderator

Reza Erfani

Description:

Organized by the Structures Committee

Low-Volume Road Bridges make up approximately 40% of Canada’s bridge inventory, yet no national guide exists. Join us to explore industry needs and put our developing risk-based framework to the test using real-world risk registers. Bring your project experience and help shape TAC’s future guide.

How to attend: If you’d like to attend the workshop but didn’t pre-select this event on your registration form, show up at the room at the scheduled workshop time to check if space permits.

CO.5 Utility Coordination: Are We finally seeing a Light at the End of the Tunnel?

Room 2, First Floor
Wednesday, October 07 8:30 - 10:00

Presenter / Author

Lawrence Arcand, Ophir Wainer, Kristen Tappenden

Presenter & Moderator

Tom Greaves

Description:

Organized by the Utilities Management Subcommittee of the Construction Committee

This panel discussion will explore current challenges and emerging practices in utility coordination from the perspectives of owners, consultants, design engineers, and subsurface utility engineering professionals. Discussion will include the application of TAC guidelines for utility coordination and relocation across delivery models such as design-bid-build and P3.

Winnipeg Bridge & Interchange Grand Tour (Sponsor-Organized)

Wednesday, October 07 9:00 - 11:30

Description:

Pre-registration required

Capacity: 52 Participants
Mode of Transportation: Bus

Sponsor-Organized Tour: M. D. Steele

This bus tour overviews some of the major transportation infrastructure projects completed by M. D. Steele over its 33-year history. At least 8 sites will be visited along with a brief description of the project, unique design and construction considerations, challenges, successes, and the relevance of each to Winnipeg's transportation network. If you've never been to Winnipeg, this is a great opportunity to see some of the main transportation corridors in the city!

Focus Area: Infrastructure & Asset Management

St. Vital Bridge, Road and Active Transportation Rehabilitation Project

Wednesday, October 07 9:00 - 11:30

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

The revitalized St. Vital Bridge—a major thoroughfare over the Red River—has been completely transformed alongside its surrounding road network and active transportation corridors. The project replaced the bridge decks to create dedicated pedestrian and cycling space, stabilized the riverbanks, updated the road network configuration, and extended the structure's lifespan by 50 years. As part of this tour, you will walk through the project site and hear directly from the design team on how they integrated modern active transportation facilities while maintaining essential bridge operations.

Focus Area: Infrastructure & Asset Management

Accessibility notes: Tour participants should expect to take a 15 minute bus ride to the bridge followed by around 90 minutes of a walking around the bridge and active transportation facilities before returning on the bus. The buses are all equipped with level boarding and the tour will take place on the public right-of-way utilizing sidewalks and curb ramps to navigate the area.

Winnipeg Transit — Southwest Transitway Bus Tour

Wednesday, October 07 9:00 - 11:30

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

A ride along the dedicated rapid transit corridor to observe its design, stations, and operational benefits.

Focus Area: Mobility

Accessibility notes: Tour participants should expect to take a bus ride along the Transitway with several stops to get out and see the stops and amenities along the way.

City of Winnipeg — Transportation Management Centre Tour

Wednesday, October 07 9:30 - 11:30

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Bus

The Winnipeg Transportation Management Centre is a leading-edge facility that uses data to process and manage traffic incidents and keep the public aware of what's happening on the city streets. Join this tour to get a behind-the-scenes look at the technology used to monitor and manage the city's traffic flow and traffic signal systems.

Focus Area: Safety, Design & Operations and Technology

Accessibility notes: Tour participants should expect to take a 10 minute bus ride to the Transportation Management Centre where the tour will begin. The tour is indoors and will move around the main floor of the building. No stairs or steps are required and the bus is equipped with level boarding.

Refreshment Break

Hall B, Third Floor
Wednesday, October 07 10:00 - 10:30

Description:

EN.3 Growing Roots and Routes: Lessons learned from Terrestrial and Wetland Mitigation and Offsetting Efforts

Room 9-10, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Mitch Dender, Alison Forde, Blair McMahon

Description:

Organized by the Environmental Legislation Committee

Nesting Habitat Creation for Blanding's Turtles: Effectiveness, Challenges, and Lessons Learned
Alison Forde, AtkinsRéalis

Wetland Offsetting in Prairie Transportation and Infrastructure Projects
Blair McMahon, Manitoba Transportation and Infrastructure

AT.5 Addressing Universal Accessibility at Unsignalized Roadway and Bikeway Crossings

Room 7-8, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Alexander Bigazzi, Narayan Donaldson, Omotunde (Tunde) Adeniran

Moderator

Bartek Komorowski

Description:

Organized by the Active Transportation Integrated Committee

A Novel Low-tech System to Provide Auditory Cues for Unsighted Pedestrians at Bikeway Crossings
Alexander Bigazzi, University of British Columbia

Analyzing Field-Collected Sensor Data to Evaluate Accessibility and Safety at Roundabouts
Omotunde (Tunde) Adeniran, Lakehead University

Improving Pedestrian Comfort and Navigation at Roundabout Crossings
Narayan Donaldson, Mobycon

CO.2 Successes and Lessons Learned from Alternative Delivery Models for Design and/or Construction

Room 2, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Jeremy Landry, Bernard James, Carla Ciepliski, Jesse Kostelyk

Moderator

Donald Maillet

Description:

Organized by the Construction Committee

An opportunity to hear from various jurisdictions on their experiences in development and/or implementation of alternative delivery models for construction and/or design. This may include Progressive Design Build, Construction Manager General Contractor (CMGC), or other Major Project delivery models in development or implemented.

DA.1 Artificial Intelligence to Enhance Digital Applications

Room 3, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Amy Hunter, Daniel Eng, Khaled Belhedi, Louis-Martin Losier

Moderator

Dan Lu

Description:

Organized by the Digital Applications Committee

Intelligent Infrastructure: Integrating AI, CAD, and Geospatial Workflows
Daniel Eng, Bentley Systems
Louis-Martin Losier, Bentley Systems

From SOPs to Smart Operations: Applying Agentic AI to Reduce Workload and Improve Reliability in Traffic Operations Centers
Khaled Belhedi, GFT Canada

AI-Based Animal Detection System
Amy Hunter P.Eng., PTOE, PBX Engineering

RS.6 Safe Speeds

Room 1, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Raheem Dilgir, Lubna Obaid, Soroush Salek, Jennifer Chapman

Moderator

Rebecca Peterniak

Description:

Organized by the Road Safety Committee

Application of Connected Vehicle Data in Road Safety
Soroush Salek, CIMA+

Winter Conditions, Surface States, and Speed: Spatiotemporal Patterns of Traffic Collision Severity in Edmonton
Lubna Obaid, University of Alberta

Rural Highway Speed Management through Major Intersections and Transition Zones in Manitoba
Raheem Dilgir, TranSafe Consulting
Jennifer Chapman, Manitoba Transportation and Infrastructure

TP.14 Integrated Transit and Multimodal Corridor Planning: Advancing Transit Implementation in Canadian Cities

Room 13, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Mahia Anhara, Adam Budowski, Borg Chan

Moderator

Mehemed Delibasic

Description:

Organized by the Transportation Planning Committee

City of Burnaby Bus Speed and Reliability Program - Hot Spot Study
Borg Chan, ISL Engineering and Land Services

In With the New Routes! How Winnipeg Changed it's Entire Transit Network in One Night
Adam Budowski, City of Winnipeg

Planning for Flexibility: Corridor Protection as a Tool for Transit-Supportive Growth in Kelowna
Mahia Anhara, HDR Corporation

GD.7 Confined Corridors and Intersections

Room 2E, Second Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Joseph Gowrie, Sydni Heckenberg, Robert Politano, Ellen Simpson

Moderator

Jack Mason

Description:

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

County Road 3 (Prince Street) / County Road 34 (King Street) intersection (Lansdowne) Operations Review
Joseph Gowrie, Shellex Consulting Group

Balancing Access, Mobility, and Safety in Confined Urban Corridors
Robert Politano, GFT Canada

Designing in an Everchanging Box
Sydni Heckenberg, HDR Corporation
Ellen Simpson, HDR Corporation

AM.9 Innovative Technologies in Asset Management

Room 11-12, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Haithem Soliman, Taofeek Mustapha, Mohammadmahdi Shahidi

Moderator

Sadegh Kazemi

Description:

Organized by the Asset Management Committee

Performance of Rehabilitation Treatments for Rigid Pavements Affected by Durability Cracking
Taofeek Mustapha, University of Manitoba

Using Machine Learning to Forecast Pavement Condition and Roughness Based on Climate Zone
Mohammadmahdi Shahidi , University of Saskatchewan
Haithem Soliman, University of Saskatchewan

PV.3 A Changing Climate: Pavement Resilience in the Era of a Changing Global Landscape

Room 2H, Second Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Malik Awan, Rielle Haichert

Moderator

Sukhwinder Dhanoa

Description:

Organized by the Pavements Committee

Interpretable Empirical Modelling of Subsurface Pavement Temperatures for an Instrumented Test Section in Edmonton, Alberta Using Gene Expression and Multiple Expression Programming
Malik Awan, University of Alberta

Northern Resource Road Strengthening with Engineered Polyurethane Systems
Curtis Berthelot, PSI Technologies

TP.13 Innovations in Transportation Modelling

Room 4, First Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Eric Miller, Daniel Olejarz, Kevin Ye

Moderator

Katy Schram

Description:

Organized by the Transportation Planning Committee

Modernizing York Region's Approach to Delivering Travel Demand Modelling Results with Python
Daniel Olejarz, Arcadis
Kevin Ye, Regional Municipality of York

The Case for Tour-based Mode Choice Modelling
Eric Miller, University of Toronto

SO.5 Innovation in Roadway/Embankment Materials and Geotechnical Engineering

Room 2F, Second Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Wilson Wellington Biney, Steve Oteng-Owusu, Mustapha Abdellaziz

Moderator

Arash Ghahremani

Description:

Organized by the Soils and Materials Committee

Water Absorption Comparison of Silane Treated and Untreated Recycled Concrete Aggregate
Steve Oteng-Owusu, University of Windsor

Optimizing Chemical Pretreatment of Recycled Concrete Aggregate: Microscopic Insights into Acetic Acid Effects
Wilson Wellington Biney, University of Windsor

Étude de cas du soulèvement au gel d'une chaussée au Québec
Mustapha Abdellaziz, Ministère des Transports et de la Mobilité durable

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RS.2 Indigenous Perspectives on Road Safety

Room 2G, Second Floor
Wednesday, October 07 10:30 - 12:00

Presenter / Author

Chief Gordon Bluesky, Councillor Evan Roberts, Councillor Arlene Pinay, Jackie Brass

Moderator

David Smith

Description:

Organized by the Truth and Reconciliation Working Group of the Road Safety Committee

Join Indigenous leaders for a discussion on their unique Indigenous personal experiences and community perspectives on transportation and road safety. The panelists will share their experiences, issues and engagement expectations for transportation and road safety-related projects in their communities and how transportation professionals can assist. This panel will provide practical insights to help transportation professionals build stronger partnerships with Indigenous communities and support safer, more collaborative transportation outcomes.

Wednesday Lunch

Hall A, Third Floor (Enter through Hall B)
Wednesday, October 07 12:00 - 13:00

Description:

Business casual attire.

Enjoy a **buffet-style lunch.** Short programming starts at 12:30, comprising a series of short conference highlights and messages of appreciation for the many individuals and organizations who contributed to this year's event, including our Local Organizing Committee and its representatives. Get a sneak peek into the 2027 TAC Conference & Exhibition, taking place in Halifax from November 28 to December 1.

Walking Tour — The Forks

Wednesday, October 07 13:00 - 15:30

Description:

Pre-registration required

Capacity: 20 Participants
Mode of Transportation: Walking

Explore Winnipeg's historic meeting place, tracing its incredible transformation from an ancient gathering site and major rail hub into a premier urban destination. This tour highlights how centuries of history intersect with modern public space and transportation networks.

Focus Area: Mobility

Accessibility notes: Tour participants should expect to walk around 3km outdoors in the downtown with multiple stops along the way.

MM.4 State of the Industry for Electric Vehicles

Room 2, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Danielle Wiess, Jason Cruickshank

Presenter & Moderator

Edward Stubbing

Description:

Organized by the Mobility Management Committee

The adoption of electric vehicles (EV) has faced a series of challenges including changes to funding programs, charging infrastructure location and availability, policy mandates and public concerns, amongst others. Adoption figures across the country continue to fluctuate and the vehicle manufacturing industry continues to give mixed messaging regarding direction and level of commitment. This panel will feature experts in the field of EV infrastructure and adoption and discuss the challenges facing the sector in the short- and long-term adoption of electric vehicle technology.

AT.10 Pedestrian-Centered Design

Room 7-8, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Stanley Truong, Florent Deloy, Tiffany Yae P.Eng., Sonia Yu

Moderator

Patrick Zerr P.Eng., RSP1

Description:

Organized by the Active Transportation Integrated Committee

Pedestrian-Centered Lighting Design for Mixed-Use and Pedestrian-Only Corridors
Tiffany Yae P.Eng., PBX Engineering

Urban Design Challenges: Accessibility and Wayfinding to complement intersection constraints.
Stanley Truong, GFT Canada
Sonia Yu, GFT Canada

Modeling of complex interactions between vehicles and passengers
Florent Deloy, Egis

DA.2 Artificial Intelligence to Enhance Digital Applications

Room 3, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Lubna Obaid, Olivia Babcock, Jonathan Cunningham, David Shearon

Moderator

Benoit Kroely

Description:

Organized by the Digital Applications Committee

A Mobile Vision-GPS Based Framework for Segmenting Curbside Infrastructure Constraints Affecting Parking Utilization
Lubna Obaid, University of Alberta

Supercharge your team with an AI-powered Virtual Traffic Operations Agent
Olivia Babcock, Miovision

Operationalizing Artificial Intelligence in Transportation Design Tools: Challenges, Methods, and Outcomes
Jonathan Cunningham, Bentley Systems
David Shearon, Bentley Systems

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

Room 13, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Sharonjit Mandair, Stephen Wong, Brian Thompson, Sarah Gaib

Moderator

Michael Pearson

Description:

Organized by the Climate Change Integrated Committee

Method and Metrics for Quantifying Transit System Disruptions using Real-Time General Transit Feed Specification (GTFS) Data
Stephen Wong, University of Alberta

Building Back Better: Embedding Climate Resilience in the Cariboo Road Recovery Projects
Sharonjit Mandair, Stantec Consulting
Sarah Gaib, British Columbia Ministry of Transportation and Transit

Coastal Highway Resilience and Shoreline Restoration at Souris Causeway, PEI
Brian Thompson, P.E.I. Transportation, Infrastructure & Energy

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

Room 9-10, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Alana Getty Somers, Kerra Mruss, Jiwanjot Bariyar, Nathan Bakker, Brad Hewton

Moderator

John Maree

Description:

Organized by the Geometric Design Committee

North Perimeter Highway Design Study
Kerra Mruss, WSP Canada

Delivering Network Value and Safety on Calgary's 144 Avenue NW
Jiwanjot Bariyar, ISL Engineering and Land Services
Alana Getty Somers, ISL Engineering and Land Services

Mobile Work Zone Barriers and Accelerated Bridge Rehabilitation on Highway 401
Nathan Bakker, Stantec Consulting
Brad Hewton, Stantec Consulting

ST.7 Transportation Structures

Room 2E, Second Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Reza Erfani, Garrett Smith, Kyler Allard, Ahmed Mohamed

Moderator

Mark Scanlon

Description:

Organized by the Structures Committee

Enhancing Low-Volume Road Bridge Optimization: Hybrid AI Approaches from Expert Systems to LLM Prompts
Majid-Reza Erfani, Ministère des Transports et de la Mobilité durable

Galway Overpass: a Case Study in Bridge Superstructure Type Decision Making
Garrett Smith, Atlantic Industries Limited

The reconstruction of the PTH 1/1A Interchange Portage West Bypass
Kyler Allard, Dillon Consulting
Ahmed Mohamed, Manitoba Transportation and Infrastructure

TP.6 Decision Making, Evaluation and Monitoring

Room 2F, Second Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Matthieu Leveque, Anna Wallin, Danial Faraji, Afridee Islam Alif

Moderator

Ali Hadayeghi

Description:

Organized by the Transportation Planning Committee

Diridon Station Preliminary Business Case - Using the Business Case as a Consensus-Building Tool in Complex Projects
Anna Wallin, Mott MacDonald

Seating Rules Increase Evacuation Risk in Light Rail Vehicles: Lessons Learned from Recent Canadian LRV Procurements
Danial Faraji, WSP Canada
Afridee Islam Alif, WSP Canada

Médiation et tiers-lieux : repenser l'engagement du public et l'acceptabilité sociale des projets de mobilité
Matthieu Leveque, Obsevatoire de la Mobilité et du devellopement des territoires (OMDT)

RS.5 Safe Road Users

Room 2G, Second Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Raheem Dilgir, Christine Wickens, Robert Colonna, Ryan Martinson

Moderator

Soroush Salek

Description:

Organized by the Road Safety Committee

Exploring Challenges and Opportunities in Post-Crash Care Across Canada
Raheem Dilgir, TranSafe Consulting

Developing a Traffic Safety Culture Transformation Framework at the Municipal Scale
Ryan Martinson, Martinson Golly

An Overlooked Dimension in Road Safety: Considering Sex and Gender in Impaired Driving Remedial Programming
Christine Wickens, Centre for Addiction and Mental Health
Robert Colonna, Centre for Addiction and Mental Health

HR.3 Two Roads to Retention: Career Pathing for Technical Talent

Room 5, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Marta Juhasz, Ashley Tull-Foster, Michelle Mcgrath, Eric Yao

Moderator

Alain Beaulieu

Description:

Organized by the Human Resources and Professional Development Committee

This workshop will explore approaches to attracting and retaining technical staff through two potential career streams: one focused on technical expertise without moving into management, and another centred on management or business development.

Participants will discuss:

- Advantages and challenges of the dual career path approach
- Organizational structures that support both technical and managerial roles
- Factors influencing career path choices
- Skills and attributes associated with each pathway
- Strategies to recognize technical expertise alongside management roles

How to attend: If you'd like to attend the workshop but didn't pre-select this event on your registration form, show up at the room at the scheduled workshop time to check if space permits.

TP.15 Integrated Transit and Multimodal Corridor Planning: Advancing Transit Implementation in Canadian Cities

Room 11-12, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Liming Sun, Joseph Arcaro, Nick Shaw, Khawar Ashraf, Marisa Espinosa, Eric Laksmono

Moderator

Nico Malfara

Description:

Organized by the Transportation Planning Committee

Advancing Calgary's RouteAhead through the Planning and Design of BRT Route
Liming Sun, City of Calgary
Eric Laksmono, WSP Canada

Corridors that Deliver: Proven Tools for High-Performing BRT Networks
Khawar Ashraf, AECOM
Marisa Espinosa, AECOM

Building for Today, Planning for Tomorrow: The Power of Value Planning in Complex Multi-modal Corridors
Joseph Arcaro, HDR Corporation
Nick Shaw, HDR Corporation

AM.6 Innovative Planning Strategies Across Asset Management

Room 4, First Floor
Wednesday, October 07 13:15 - 14:45

Presenter / Author

Leanne Whiteley-Lagace, Shajib Guha, Luke Zhao

Moderator

Joyce Marchand

Description:

Organized by the Asset Management Committee

Development of a Risk Module for Enhancing Pavement Management Analysis
Leanne Whiteley-Lagace, Stantec Consulting

A Descriptive Analysis on Canadian Municipal Road Networks: Challenges and Opportunities
Shajib Guha, McMaster University

Strategic Funding Allocation for Road Networks Using Multi-Criteria Scenario Evaluation
Luke Zhao, AECOM

Active Transportation — Bike Tour

Wednesday, October 07 13:30 - 15:30

Description:

Pre-registration required

Capacity: 15 Participants
Mode of Transportation: Cycling

A guided cycling tour of Winnipeg's active transportation infrastructure. Starting and ending in downtown, the tour will take you through recent projects that highlight new connections and remaining gaps.

Provided: Helmet and Bike

Focus Area: Mobility and Safety, Design & Operations and Technology

Accessibility notes: People should expect to cycle on public roads, bike lanes and bike paths (that are relatively flat) for the majority of the two hour tour. There will be lots of chances to stop and chat about projects and infrastructure. The bikes provided are standard bikes with a single gear.

Manitoba Legislative Building / Hermetic Code Tour

Wednesday, October 07 13:30 - 15:30

Description:

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Walking

A tour of the Manitoba Legislative Building takes you on a journey through the history and mystery of the design and architecture of this famous Manitoba landmark. See the Golden Boy, experience the Pool of the Black Star, and learn a bit of Manitoba history on this walking tour that starts just a few blocks from the conference.

Refreshment Break

Hall B, Third Floor
Wednesday, October 07 14:45 - 15:15

Description:

AM.11 Unlocking the Power of Asset Management Data for a Strong Canada

Room 2G, Second Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Arif Rafiq, David Firbank, Shabani Kachua, Colin Schut

Moderator

Chris Yang

Description:

Organized by the Asset Management Committee and in partnership with the GIS-T Subcommittee

asset inventories that serve operational, financial, and strategic needs. Panelists will examine appropriate levels of condition-data detail and highlighting trade-offs between cost, accuracy, and usability. Case studies will illustrate GIS integration, data governance, and workflows that convert inventory and condition information into actionable decisions to improve safety, resilience, service delivery, and long-term investment planning across Canadian transportation networks.

AT.11 Pedestrian-Centered Design

Room 7-8, First Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Amelie Cosse, Jon van Heyst, Mike Keating, Kat Hamilton

Moderator

Eva Kwok, P.Eng.

Description:

Organized by the Active Transportation Integrated Committee

An inclusive transit system for users with visual impairements : Lessons learned from the Canada-wide pilot project for CNIB
Kat Hamilton, Canadian National Institute for the Blind (CNIB)

"Meet me at the PetXina": How a School-Centred Superblock Goes Beyond the Pedestrian
Jon van Heyst, Urban Systems

Development of a New Tactile Delineator Plate Solution for Sidewalk-Cycle Track Separation on the Mackenzie King Bridge, Ottawa
Mike Keating, Parsons

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

Room 13, First Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Sharonjit Mandair, Nick Shaw, Erin Vedam, Kyler Allard

Moderator

Michael Pearson

Description:

Organized by the Climate Change Integrated Committee

From Washout to Resilience: Expedited Bridge Replacements in Duck Mountain Provincial Park
Kyler Allard, Dillon Consulting

From Risk to Resilience: A GIS-Driven framework for Measuring Community Connectivity
Erin Vedam, HDR Corporation
Nick Shaw, HDR Corporation

Interactive Decision Economic Analysis System (IDEAS) - Building the economic case for climate resilience investments
Sharon Mandair, Stantec Consulting

GD.5 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

Room 9-10, First Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Sarah Gaib, Mathew Koprash, Julia Maloney, Leanne Garand, John Babineau

Moderator

Doug MacKay

Description:

Organized by the Geometric Design Committee

Implementation of Innovative Traffic Conflict-Based Safety Assessment on Highway 11 Interchange Design Build Procurement
Sarah Gaib, British Columbia Ministry of Transportation and Transit

Delivering Complex Landslide Solutions in BC's Cariboo
Leanne Garand, Stantec Consulting
John Babineau, British Columbia Ministry of Transportation and Transit

Design Challenges and Lessons Learned from Great and Small Highways in Northern Ontario
Mathew Koprash, Egis

Gardiner Section 2 : Urban Expressway Rehabilitation Through Design-Build Delivery
Julia Maloney, Parsons

ST.8 Transportation Structures

Room 2E, Second Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Mike Boissonneault, Rhys Laffin, Graeme Loeppky, Evageline Murison

Moderator

Mark Scanlon

Description:

Organized by the Structures Committee

Rehabilitation of the Red River Bridge on PR 305
Rhys Laffin, Tetra Tech Canada
Evageline Murison, Manitoba Transportation and Infrastructure

The emergency replacement of the bridge over Manning Canal on PR 311
Graeme Loeppky, Dillon Consulting

Decommissioning Arlington Street Bridge
Mike Boissonneault, Tetra Tech Canada

TP.16 Integrated Transit and Multimodal Corridor Planning: Advancing Transit Implementation in Canadian Cities

Room 11-12, First Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

David Kriger, Florent Deloy

Moderator

Nico Malfara

Description:

Organized by the Transportation Planning Committee

Integrating Goods Movement into Transit and Multimodal Corridor Planning: Making It Happen
David Kriger, David Kriger Consultants

Integrating bicycles into LRT projects
Florent Deloy, Egis

AM.7 Innovative Planning Strategies Across Asset Management

Room 4, First Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Amin Mneina, Mildred Ojirika

Moderator

Ross McFarland

Description:

Organized by the Asset Management Committee

Benchmarking Municipal Paving Investment Using Tax Levy and Paving Tonnage Data
Amin Mneina, Ontario Good Roads Association

State of Practice and Gaps in Pavement Friction Management
Mildred Ojirika, McMaster University

NG.3 Next-Generation Transportation in Academia

Room 5, First Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Nasim Deljouyi, Wenjie Zhou, Bita Esmaeili Jamakani, Mustafa Alhassan, Yin Fang

Moderator

Cameron Berko

Description:

Organized by the Next-Generation Transportation Integrated Committee

The goal of this session is for students to present their research on next generation transportation projects in Canada. Key themes include cutting-edge technologies, unique methods, and transferability to other parts of Canada.

Planning in Reverse? Applying Artificial Neural Networks to Model Truck Trip Exchanges Between Freight Origins and Destinations Using Observed Link Flows in the Canadian Prairies
Nasim Deljouyi, University of Manitoba

Control Barrier Function-Based Safe Obstacle Avoidance for Wheeled and Leg-Wheeled Robots
Wenjie Zhou, University of Manitoba

Charging While Driving: Dynamic Wireless EV Charging - Introduction, Challenges, and Opportunities
Bita Esmaeili Jamakani, University of Manitoba

BEYOND THE LAST CELL TOWER: Non-Terrestrial Networks for Vehicle-to-Everything (V2X) in Canada
Mustafa Alhassan, University of Manitoba

Real-Time Simulation of an Electric Truck: A Case Study of the Winnipeg-Thompson Route
Yin Fang, University of Manitoba

TP.7 Decision Making, Evaluation and Monitoring

Room 2F, Second Floor
Wednesday, October 07 15:15 - 16:45

Presenter / Author

Stephen Wong, Syed Imam, Mohammad Babaei, Thayanne Ciriaco

Moderator

Ali Hadayeghi

Description:

Organized by the Transportation Planning Committee

Decision Support for Emergency Evacuations: From Planning Assumptions to Real-Time Traffic Operations
Syed Imam, Parsons

Electric Vehicles and Emergency Evacuations: Infrastructure Challenges and Behavioral Insights from an Agent-Based Model
Stephen Wong, University of Alberta
Mohammad Babaei, Transportation Association of Canada

Human Behaviour in Wildfire Emergencies: Insights from Evacuation Decision-Making and Timing across Canada, Australia, and the United States
Thayanne Ciriaco, University of Alberta
