

# Transportation Association of Canada

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***Standing Committees***

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# Transportation Association of Canada

- ▶ National not-for-profit association with mission to promote the provision of safe, secure, efficient, effective and environmentally and financially sustainable transportation services in support of Canada's social and economic goals
- ▶ Neutral forum for gathering or exchanging ideas, information and knowledge on technical guidelines and best practices
- ▶ Corporate membership numbering ~ 550
  - Government transportation agencies (federal, provincial, territorial and municipal)
  - Consultants, academics, suppliers, manufacturers
  - Other industry associations

Transportation Association of Canada: Connecting Knowledge and People

[www.tac-atc.ca](http://www.tac-atc.ca)



# Chief Engineers' Council

- ▶ Forum for information exchange amongst chief engineers from the federal, provincial and territorial departments of transportation, ten of Canada's municipalities, and select national associations
- ▶ Responsible for the development, approval, and maintenance of national technical transportation guidelines and best practices for the design, construction, maintenance and operation of the road infrastructure in Canada
- ▶ Current priorities include:
  - Asset management
  - Risk management
  - Environmental and sustainability concepts



# Education and Human Resources Development Council

- ▶ Forum for the exchange of information about human resource and education issues in the transportation sector.
- ▶ Interests include:
  - Recruitment and retention of transportation professionals
  - Improving knowledge management within transportation agencies
  - Encouraging students to enter the profession
  - Promoting awareness of the importance of transportation to Canada's economy and society

# Environment Council

- ▶ Forum for discussion of environmental issues and concerns related to planning, design, construction, operation and maintenance of transportation infrastructure and services
- ▶ Interests include:
  - Environmentally sound business and management practices
  - Environmental impact avoidance and mitigation
  - Environmental legislation

# Urban Transportation Council

- ▶ Forum for discussion about planning, development, management and financing of sustainable transportation systems in Canadian urban areas
- ▶ Interests include:
  - Integration of land use and transportation planning
  - Influencing travel behaviour
  - Sustainability, climate change and energy
  - Transportation system optimization
  - Transportation finance
  - Transit-supportive development
  - Role of local governments in urban transportation

# Climate Change Task Force

- ▶ Coordinating group for TAC councils, committees, membership regarding climate change
  - Mandated until April 2012
- ▶ Five priorities:
  - Raising awareness among TAC groups
  - Providing leadership for TAC groups
  - Advancing understanding of the importance of high quality climate data
  - Highlighting economic implications of climate change
  - Addressing mitigation and adaptation in TAC products

# Small Municipalities Program

- ▶ Forum for discussion of issues and topics of interest to small municipalities
- ▶ Activities include:
  - Discussion board
  - Website listing of links and resources of interest
  - Annual forum in conjunction with TAC conference

# Geometric Design Standing Committee

Reporting to the Chief Engineers' Council

- ▶ Forum for discussion about geometric design of facilities for all modes of road transportation; including motor vehicles, bicycles and pedestrians, and its influence on capacity, operation, maintenance, safety, aesthetics and environmental and socio-economic impacts
- ▶ Goals include:
  - Developing and maintaining guidelines for geometric design practices for use in Canada, including the *Geometric Design Guide for Canadian Roads*
  - Encouraging implementation of recommended guidelines

# Maintenance & Construction Standing Committee

Reporting to the Chief Engineers' Council

- ▶ Forum for discussion about construction, rehabilitation, maintenance, operation and administration of transportation infrastructure
- ▶ Interests include:
  - Summer and winter maintenance practices
  - Construction issues, including contracting and alternative delivery models
  - Public utilities management

# Pavements Standing Committee

Reporting to the Chief Engineers' Council

- ▶ Forum for discussion about design, construction, maintenance, rehabilitation, monitoring, performance evaluation and management of pavements and all factors that influence their physical behaviour, service life, and impact on the environment and economy
- ▶ Interests include:
  - Sustainable practices, "green" roads, perpetual pavements
  - Evaluation of in-service pavements
  - Innovations in materials, sealants, partial depth repair
  - Life cycle costing
  - Low volume roads and surface treatments

# Road Safety Standing Committee

Reporting to the Chief Engineers' Council

- ▶ Concerned with raising awareness of road safety issues, identifying and prioritizing road safety issues and promoting safety conscious, knowledge-based road and street engineering and operations.
- ▶ Interests include:
  - Linkages of roadway factors with collision experience in the complex driver-vehicle-road inter-relationship
  - Integration of safety principles in all areas of road construction, operation and maintenance

# Soils and Materials Standing Committee

## Reporting to the Chief Engineers' Council

- ▶ Concerned with the design and engineering of foundations and all materials used in transportation infrastructure, concentrating on factors that influence their performance, durability, and economy
- ▶ Interests include:
  - Soils, materials, foundations and geotechnical issues
  - Sustainable materials and practices
  - Recycling materials and processes
  - Material durability and performance

# Structures Standing Committee

Reporting to the Chief Engineers' Council

- ▶ Forum for discussion about the design, construction and maintenance of transportation structures, including bridges, tunnels and retaining walls and all factors that influence their performance, service life and economy
- ▶ Interests include:
  - Sustainable structures
  - Structure service life review and assessment
  - Structural health monitoring
  - Advanced composite materials
  - Construction inspection practices
  - In-service inspector training

# Traffic Operations & Management Standing Committee

Reporting to the Chief Engineers' Council

- ▶ Concerned with organizing, stimulating and coordinating research for the improvement of traffic control devices and practices in Canada
- ▶ Goals include:
  - Developing manuals, guidelines, and syntheses of practices for traffic control devices and practices
  - Maintaining the *Manual of Uniform Traffic Control Devices for Canada*
  - Encouraging implementation of recommended guidelines for traffic control devices and practices
  - Developing educational and public information material about new and existing traffic control devices



# Asset Management Task Force

Reporting to the Chief Engineers' Council

- ▶ Forum for discussion about transportation infrastructure asset management
- ▶ Interests include:
  - Asset management business practices
  - Engineering science and tools to support asset management
  - Asset valuation
  - Condition reporting
  - Sustainable planning and practices
  - Asset risk management used in transportation infrastructure asset management

# Knowledge Management Committee

Reporting to the Education & Human Resources Development Council

- ▶ Forum for discussion about strategies to ensure orderly planning for renewal, upgrading, and continuity of an organization's intellectual capital
- ▶ Interests include:
  - Identifying and sharing knowledge management practices
  - Identifying and pursuing special projects about knowledge management

# Skills Development and Awareness Committee

Reporting to the Education & Human Resources Development Council

- ▶ Forum for reviewing existing and forecasted labour and skills needed within the transportation industry
- ▶ Concerned with assisting TAC and its member agencies in raising public awareness about the value of transportation
- ▶ Interests include:
  - Existing and potential labour/skills shortages, specific geographic requirements and trends
  - Barriers and solutions to fully utilizing existing available intellectual resources
  - Practices for attracting and integrating foreign trained professionals
  - Public awareness issues related to transportation infrastructure planning, design, construction, maintenance, operation and rehabilitation



# Student Outreach Committee

Reporting to the Education & Human Resources Development Council

- ▶ Forum for discussion about strategies related to encouraging students to pursue transportation careers
- ▶ Interested in proposing different approaches to addressing recruitment challenges in transportation sectors, for implementation by transportation organizations

# Environmental Advisory & Legislation Standing Committee

Reporting to the Environment Council

- ▶ Forum for discussion about environmental legislation with respect to transportation infrastructure and operations
- ▶ Interests include:
  - Effects of environmental legislation and activities of relevant agencies
  - Evolving environmental legislation potentially impacting the transportation field
  - Promoting awareness and understanding of key legislative developments
  - Monitoring issues with respect to current and future legislation

# Environmental Issues Management Standing Committee

Reporting to the Environment Council

- ▶ Forum for discussion about the environment and transportation infrastructure and operations
- ▶ Interests include:
  - Environmental issues and related management practices
  - Environmental management practices during planning, design, construction, operation and maintenance of transportation infrastructure
  - Pollution prevention practices and avoidance of adverse environmental impacts

# Sustainable Transportation Standing Committee

Reporting to the Urban Transportation Council

- ▶ Forum for discussing and promoting research, analysis, development and application of sustainable transportation strategies, policies, tools and best practices in urban areas
- ▶ Interests include:
  - Sustainable transportation practices
  - Integration of sustainable transportation planning and decision-making with other transportation and land use planning practices and procedures
  - Maintaining a database of urban transportation indicators for Canadian municipalities

# Transportation Finance Standing Committee

Reporting to the Urban Transportation Council

- ▶ Forum for discussion about financing of urban transportation infrastructure and operations
- ▶ Interests include:
  - Collecting information and providing analysis concerning current issues and initiatives pertaining to innovative and sustainable financing of urban and regional transportation infrastructure and operations
  - Maintaining the Innovative Transportation Finance Resource with information about related TAC publications, government legislation and regulation in the federal, provincial and local context, related projects in Canada and abroad, and current events

# Transportation Planning & Research Standing Committee

Reporting to the Urban Transportation Council

- ▶ Forum for discussion of best practices in transportation planning
- ▶ Interests include:
  - Best practices, data sources, analytical tools and decision making techniques for transportation planning for moving people and goods in urban and interurban areas
  - Economically viable, socially desirable and environmentally responsible transportation systems
  - Establishing and maintaining transportation databases for major urban centres and providing guidelines for collection and updating of key transportation information

# Transportation Association of Canada: Connecting Knowledge and People

