

Responsible Committee	Volunteer Project	Project Objective / Description
Active Transportation Integrated Committee	Unsignalized crossings for pedestrians and cyclists	Synthesize emerging practices for safe road crossings other than at traffic signals
	Sidewalk/Cycle track delineation methods	Summarize research on midblock delineation methods between bicycle paths and adjacent sidewalks. Key considerations include: <ul style="list-style-type: none"> • Detectability by people using guidance tools such as white canes or guide dogs • Subconscious detectability by sighted people • Impacts on maintenance (e.g. snow clearance) • Tripping hazards (for both pedestrians and cyclists)
	Regulatory approaches to enabling adoption of e-bikes	Summarize issues related to regulations and e-bike adoption in several jurisdictions.
	Dutch-style roadway features	Identify Dutch-style road features that could be adopted or adapted in Canada, e.g. protected lanes and intersections, continuous sidewalks and bike paths
Asset Management Committee	Guide for creating transportation asset management plans	Develop a report that outlines steps to create a transportation asset management plan
	Asset practitioners registry	Survey jurisdictions to identify asset classes and asset class owners from other jurisdictions
Construction Committee	Utility coordination guidelines update	Update of the two utility coordination guides to align with new ASCE 38-22 and ASCE 75-22
	Underground utility installations crossing highways	Review guidelines for underground utility installations crossing highways
Digital Applications Committee	Digital twinning	Information on structural and governance issues around digital twins
Education Committee	Lab assignments for big data and analytics	Compilation of practical assignments to help students learn about the management of large data streams and advanced software tools
Environmental Issues Committee	Invasive species management	Develop a synthesis of best practices resource for prevention activities that are viable and realistic to implement by transportation agencies
	Standardizing the measurement of wildlife crossing structures	Assess and create uniformity of methods to measure wildlife crossing structures. Create inventory of wildlife crossings in Canada.
Geometric Design Committee	Update to <i>Geometric Design Guide for Canadian Roads - Chapter 10, Interchanges</i>	Update to address interchange types and evaluation, low-cost access management, urban interchanges, ramp terminals and active modes
	Over-dimensional/special vehicles	Jurisdictional scan of practices for planning and design phases related to over-dimensional/special vehicles
	Design for pedestrians and cyclists	Joint work with various committees to address multi-disciplinary challenges related to pedestrian and cycling design
ITS Committee	Rural ITS primer	Provide insights into the planning, design, implementation and management of rural ITS, including case studies

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Maintenance & Operations Committee	Benchmarking winter maintenance practices	Survey of jurisdictions
Pavements Committee	Pavement condition benchmarking	In progress
Road Safety Committee	Application of traffic conflict technique for in-service road safety reviews	Work is ongoing
	Effects of aging and gender on fatal and injury crashes	A primer on the effects of age and gender on crash patterns, injury severities, and other outcomes from the literature review to share with municipalities and/or to be considered while implementing countermeasures and the Safe System approach
	Micromobility and road safety	Explore practices related to micromobility, and identify safety risks and mitigation measures
	Pedestrian safety at signalized intersections	Primer outlining primary pedestrian safety concerns and strategies at intersections
Soils and Materials Committee	Use of warm mix asphalt in Canada	Prepare a discussion paper on current practices for use of warm mix asphalt
Technology Council	Data harmonization framework for road authorities	Discussion paper on challenges and opportunities for harmonizing parameters of key road authority datasets
Traffic Operations & Management Committee	Active mode signal timing – Accommodation of skateboard, scooter, mobility devices & in-line rollerskates	Review practices for incorporation of guidance into the MUTCDC
	Active mode symbols – Skateboard, scooter, mobility devices and in-line rollerskates	Review options for comprehension testing for incorporation into the MUTCDC
	Anti-whistling sign for railway crossings with a whistling cessation	A report will be completed shortly.
	Application of post mounted delineators	A report will be compiled from a literature review and scan of agency practices
	Automated enforcement – supporting signs	Jurisdictional survey and literature review. Based on the results, subsequent steps may include development of recommendations for new devices and comprehension testing.
	Automated shuttle deployments – supporting signs	Jurisdictional survey, literature review, development of recommendations and comprehension testing for incorporation into MUTCDC
	Best practice guide for street name signing	Prepare a best practice guide for street name signing based on the <i>Guide de bonnes pratiques – Panneaux de signalisation odonymique</i> (AQTR, 2010)

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	Enhanced RB-11S2 tab sign	Develop a proper design for enhancement of time-defined regulatory signs. Revise Section A2.4.2 of the MUTCDC to include an optional active signal enhancement to the supplementary tabs to enable quicker and more effective sign comprehension by road users, resulting in safer school zones.
	Guidance on crosswalk flasher timing	Develop flasher timing guidelines for both Overhead Flasher and RRFB pedestrian crossings to promote uniformity across Canada
	Red and green arrow signal display	Investigate the need for the Red Arrow display at existing signalized intersections and review the guidance for application of the Green Arrow display
	Review of traffic signal spacing requirements	Review both the <i>Geometric Design Guide</i> and <i>Manual of Uniform Traffic Control Devices</i> to determine intersection spacing considerations and traffic control signals installation references in both documents
	Right turn crossrides	Review the feasibility of including crossrides at channelized turn lanes in the MUTCDC, as well as recommending associated changes to the TAC Model Rules of the Road
	Share the Road sign	Review options for comprehension testing for incorporation into the MUTCDC
	Use of traffic signals for speed management	Examine applicability of traffic control signals for the purpose of speed management
	Non-standard crosswalk pavement markings guidance	Provide clear direction in the MUTCDC for practitioners with respect to the use of non-standard colours/shapes for pavement markings at crosswalks
	Warrant for traffic signals at intersections in close proximity to railroad grade crossings	Review practices for incorporation of guidance into the MUTCDC