

# TOMSC VOLUNTEER PROJECTS

## October 2011

Project #	Name	Chair	Description/Status
196	Sign Letter Size	A. Smiley	The project scope is to investigate the current standards used for sign letter size for text signs. The working group is investigating the impact of requiring that regulatory and warning signs meet 30/30 standards. Project is closed.
213	Decision Sight Distance/ Longitudinal Sign Location	K. Baass	Project is closed.
214	Guidelines for STOP Signs at Railway Crossings	P. Rasoldier	Status: Dropped until RTD-10 At-Grade Crossing Regulations are approved.
217	All Way STOP Control Tab	D. McCusker	Status: Completed. The tab sign will be included in the Manual of Uniform Traffic Control Devices.
223	Do Not Stop on Track Sign	L. Belluz	Progress report was provided in October 2007. A survey was conducted including participants from various age categories. The preliminary results were presented to TOMSC. An additional survey was conducted to address the issues related to higher age driver groups. Status: Completed. The sign will be included in the Manual of Uniform Traffic Control Devices.
227	Guidance on Use of Chevrons	S. Trépanier	The project is to investigate the feasibility of adopting guidelines for the use and the installation of chevrons. Status: Completed. Approved as a sponsored project.
229	Public Information for New Traffic Control Devices or Measures	L. Belluz	The project scope is to determine how to disseminate the information about newly introduced traffic signs and rules of the road. Status: Completed. The recommendations were approved by TOMSC.

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234	Loading Zone Sign	D. Beaulieu	Status: Comprehension testing of the sign is in progress.
238	Design of Max Speed Ahead Sign (WB-9)	R. Chow	Status: Final report presented in April 2007. Project is closed.
241	Timing of RR-X-ing Sign (WB-6)	P. Rasoldier	Status: Dropped until RTD-10 At-Grade Crossing Regulations are approved.
242	Advance Yielding at Crosswalks	T. McLeod	Status: In progress. Awaiting results of the field studies.
243	Redesign of Graphics of WC-8, WC-12, WC-17	G. Cuthbertson	Status: In progress. The graphics have been developed, results pending comprehension testing.
246	Modern Roundabout Operations, Signs & Pavement Markings	M. Skene	The project objective is to prepare draft markings and signage for single lane roundabouts. Status: Completed. A sponsored project was approved to develop the signs and markings for multi-lane roundabouts.
248	Trans Canada Trail Sign (et. al.)	T. McLeod	The project objective is to develop a uniform traffic control device for Trans Canada Trail signage on road right-of-way sections of the trail. These signs are to be used when the Trans Canada Trail is routed along road rights-of-way, for trail crossings and to locate nearby trailheads. The results of the survey conducted among Canadian jurisdictions were presented to TOMSC. Status: Project is closed. Final report was presented in April 2007. TOMSC supported the use of Trans-Canada Trail sign. The sign will not be included in the MUTCDC.
251	Rules of the Road for Roundabouts	L. Belluz	Status: Completed. The updates to the TAC Canadian Model Rules of the Road (1996) will follow. See project #309.

<b>Project #</b>	<b>Name</b>	<b>Chair</b>	<b>Description/Status</b>
252	Computer Modeling System for Signal Safety Warrants	C. Blackwood	This project was initiated to evaluate a computer model to predict the effectiveness of geometric and traffic control improvements to intersections. The model was to be evaluated on several factors including practicality, ease of use and the accuracy of predictions. The major goals of the project are to identify any problems associated with the model and determine if the model could be incorporated into new signal warrant procedure. Status: Project is closed.
253	Optional Use of Pedestrian Countdown Timers	C. Lee	The project was conducted to investigate the feasibility of adopting guidelines for the "Optional Use of Pedestrian Countdown Timers" into the MUTCDC. The objectives were to identify conditions under which PSC are effective and recommend the preferred PSC configuration, layout and operation guidelines. Status: Completed. Report is available through the TAC library.
254	Vertical Visibility Constraint Sign	E. Switensky	The project scope is to review signing practices in Canadian and U.S. jurisdictions and to develop a sign for inclusion in the MUTCDC. A questionnaire was sent out and two signs were recommended for testing. Status : Completed. The sign will be included in the Manual of Uniform Traffic Control Devices.
255	Transit Priority Signal Sign	R. Stewart	The project scope is to consider the need for and design of a sign that would accompany a transit priority signal. Status: In progress.
257	Engine Brake Sign	R. King	The project objective is to develop a sign, warning of engine brake restrictions and determine under what circumstances such sign should be used. Status: Completed. The sign will be included in the MUTCDC.

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260	Identification of Left Turn Signal Sign	D. McCusker	The project objective is to test whether or not a sign is needed to accompany the left turn signal head(s) and, if so what that sign should be. Status : Completed. The sign will be included in the Manual of Uniform Traffic Control Devices.
262	Appropriate Use of Florescent Pink Colour	R. Chow	The project scope was to establish the meaning and appropriate use of the fluorescent pink colour in conveying traffic control information and its inclusion in the MUTCDC. The objective is to determine if the florescent pink would be an appropriate colour for incident management and/or other temporary signing applications. Status: Completed.
264	Emergency Detour Route Sign	R. Chow	The project objective was to develop a standard trailblazer Emergency Detour Route sign along with the criteria for sign application for inclusion in the MUTCDC. Status: Completed. See MUTCDC.
266	Cross Other Side Sign	D. McCusker	The project objective is to develop a sign that legally "overrides" universal cross walk presence in specific locations. The sign should also strive to give positive guidance to pedestrians on where they should cross. Status: Completed. The sign will be included in the MUTCDC.
267	Transit Priority Signal Guidelines	J.F. Robert	The project objective is to comment the Strategies for Implementing Transit Priority Practice document, published by the National Guide to Sustainable Municipal Infrastrucutre (InfraGuide). The document contains the best examples of how to implement transit priority on urban roads. Status: Completed. Development of the Guidelines was approved as a sponsored project.
268	Pavement Markings for Multiple Left Turn Lanes	D. Banks	The project objective is to review pavement marking practices in Canadian and U.S. jurisdictions and to develop standards for inclusion in the MUTCDC. After second surrvey is completed the comprehension testing will follow. Status: Completed.

Project #	Name	Chair	Description/Status
270	Load Restrictions Sign	R. Chow	The project scope is to develop a standard load restrictions sign along with the criteria for its application and inclusion in the MUTCDC. Due to nature of the trucking industry in North America, consideration will also be given to the load restriction signs and regulations in the United States to encourage uniformity. Recommendations for the sign were approved by TOMSC in September and were sent to the Chief Engineers' Council for letter balloting. Status: Completed. See MUTCDC.
271	Signing for Non-Hospital Emergency Health Facilities	R. Chow	The project scope is to develop sign arrangements for non-hospital emergency health service facilities that operate during variable hours (less than 24 hours per day and continuous 24 hours a day, 7 days per week) and its inclusion in the MUTCDC. Status: Completed. The sign will be included in the Manual of Uniform Traffic Control Devices.
272	Integration of Road Safety into MUTCDC	L. Belluz/ G. Forbes	The scope of this project is to prepare an official companion document to the MUTCDC that deals with the safety impacts of traffic control devices. The project team is preparing a summary of scenarios/issues that could be included in the document. Status: Project is deferred pending results of a sponsored project in development.
273	Canadian Capacity Guide	M. Skene	On going discussion regarding an approach to formalize a relationship between CITE and TOMSC to provide continued support and promotion of the Canadian Capacity Guide. Status: Task Force was formed between TOMSC and CITE to give continued technical support to the Canadian Capacity Guide. The Task Force reports to TOMSC.
274	Enhancing the Conspicuity of Traffic Signal Displays	J. Keefe	Project objective is to define parameters and design of signals for improved conspicuity and therefore reduce accidents. Further research is recommended to determine best practices. Status: Completed. Approved as a sponsored project.

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276	Review of Transport Canada Report on Passing Sight Distances	L. Belluz	Status: Work is in progress.
278	Recreational Vehicle (RV) Sign	J.F. Robert	The project objectives are: to investigate the need to develop a RV- friendly symbol on highways in Canada, to determine under what circumstances such signage should be used, to establish the meaning and appropriate use of the RV- friendly symbol and to discuss its inclusion in the MUTCDC. Status: Completed. A letter will be sent to the Canadian Recreational Vehicle Association indicating TOMSC's position on RV sign use.
279	Position Paper on Volatile Organic Compounds (VOC)	C. Blackwood	Environment Canada is currently developing regulations to limit the content of volatile organic compounds (VOC) in Architectural and Industrial maintenance (AIM) coatings under the Canadian Environmental Protection Act (1999). The project goal was to develop a submission for Environment Canada that represented the position of TOMSC and TAC with respect to this legislation, given the potential impact on transportation industry and application of pavement markings. Status: Completed.
280	Alternative Merge Warning Sign at Signalized Intersection	S. Beale	The project objective is to determine the need for a standard Merge Alternately/Alternative Merge sign for inclusion in the MUTCDC along with the criteria for sign application. Status: In progress.
284	Clarification of MUTCDC Wording with Respect to 85th Percentile Speed	B. McKinney	The project objective is to provide a rationale for proposed clarification of MUTCDC wording. Status: Completed. The MUTCDC revisions will follow.

Project #	Name	Chair	Description/Status
285	Evaluation of the Benefits and Impacts of Clearview Lettering	R. Chow	<p>The project objective is to review the existing research and literature on the ClearviewHwy font and investigate the benefits and impacts (ie. cost) of amending the MUTCDC to include this font. The experience of jurisdictions which have used the ClearviewHwy font will be examined.</p> <p>Status: Completed. See MUTCDC.</p>
289	Standardizing Supplementary Advance Warning Devices	R. Chow	<p>The project objective is to provide recommendations for the possible standardization of a sign for each relevant application using the principles of signing. The recommendations will be based on a review of NCHRP Synthesis 186 - Supplemental Advance Warning Devices. Subsequently, the projects will be initiated where possible to include those standardized signs in the MUTCDC along with the guideline for their use.</p> <p>Status: Completed. New projects were initiated to standardize a number of signs (see projects 296-304).</p>
290	End of School and Playground Zone Signs	H. Schlegl	<p>The project objective is to develop standard "End School Zone" and "End Playground Zone" signs for inclusion in the MUTCDC along with the criteria for sign application.</p> <p>Status: In progress.</p>
291	Review of Sign Sheeting Considering Aging Drivers	A. Beal / J. Keefe	<p>The project objective is to re-evaluate the minimum sheeting requirements for the different sign classifications taking into consideration the need of aging drivers as well as the high performance prismatic sign sheeting products. Some recommendations will be provided on updates to MUTCDC in regards to minimum sheeting requirements for different sign classifications or if necessary, identify some additional testing.</p> <p>Status: Completed. Development of a synthesis of practice was approved as a sponsored project.</p>

<b>Project #</b>	<b>Name</b>	<b>Chair</b>	<b>Description/Status</b>
292	Update to Trans-Canada Highway Route Marker Sign	R. Chow	The project objective is to modify the existing Trans-Canada route marker design to make it generic and allow highway numbers other than 1 to be used on the route marker sign. Status: Completed. The MUTCDC will be updated accordingly.
295	Passing/Climbing Lane Length Sign	R. Chow	The project objective is to review the need and placement of a passing/climbing lane length sign. A sign will be developed and figures A3-3 and A3-4 (MUTCDC) will be amended if deemed necessary. Status : Completed. The sign will be included in the Manual of Uniform Traffic Control Devices.
296	Water Flooding on Roadway Sign	S. Trépanier	The project objective is to develop a clear, concise and easily recognizable symbol that accurately depicts the condition the sign is designed to represent. Status: In progress.
297	Strong Wind Warning Sign	T. McLeod	The project objective is to develop a clear, concise and easily recognizable symbol that accurately depicts the condition the sign is designed to represent. Status: Completed. The sign will be included in the MUTCDC.
299	Animal Warning Sign	E. Miska	Project is closed.
300	Low Clearance Warning Sign	S. Trépanier	The project objective is to develop a clear, concise and easily recognizable symbol that accurately depicts the condition the sign is designed to represent. Status: In progress.
301	Tipping Truck Sign	T. McLeod	The project objective is to develop a clear, concise and easily recognizable symbol that accurately depicts the condition the sign is designed to represent. Status: Completed. The sign will be included in the MUTCDC.

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302	Permanent Grooved Pavement Warning Sign	G. Cutchbertson	The project objective is to develop a clear, concise and easily recognizable symbol that accurately depicts the condition the sign is designed to represent. Status: In progress.
303	Multi-Use Trail Crossing Sign	D. Beaulieu	The project objective is to develop a clear, concise and easily recognizable symbol that accurately depicts the condition the sign is designed to represent. Status: In progress.
304	Logging Trucks Warning Sign	E. Miska	Project is closed.
306	Traffic Signal Spacing Requirements	D. Beaulieu	The project objective is to review both the GDG and MUTCDC and undertake the follow-up discussions with the Geometric Design Standing Committee in regard to intersection spacing considerations and traffic control signals installation references in these documents. Status: In progress.
309	Update to the Canadian Model Rules of the Road	M. Skene	The project objective is to review the TAC Canadian Model Rules of the Road (1996) and identify the elements required to update the document accordingly. Status: Completed. Sponsored project was initiated to update the Canadian Model Rules of the Road.
311	Stop Sign Usage in Conjunction with Railway Crossing Sign	R. Chow	The project objective is to develop a comprehensive guideline for possible use of the stop sign at railway crossings, where a stop condition is necessary. Status: In progress.
314	Review of Signing Colours for Off-Road Facilities	P. Hunt	The project objective is to review and determine if white on blue colours are preferred choice over white on brown colours for off-road facility signing. Status: Completed. It has been recommended that the background colour for off-road facility signs change from brown to blue. The changes will be made in the Manual of Uniform Traffic Control Devices.

Project #	Name	Chair	Description/Status
316	Review of Centreline Pavement Marking	P. Hunt	The project objective is to review centreline pavement marking standards in Canada, specifically for flared/bypass intersection/junctions and acceleration lane intersection/junctions. Status: In progress.
317	Update to TAC Guide for the Design of Roadway Lighting	R. Chow	The project objective is to review the current Guide for the Design of Roadway Lighting in relation to the current research and IESNA documents and identify areas where updates to reflect new technology and processes are required. Status: In progress.
318	Review of Walking Pedestrian Signal Indication	D. Beaulieu R. Chow	The project objective is to review the appropriateness of the current walking pedestrian and flashing hand signal indications in the MUTCDC.
319	Electric Vehicle Charging Stations Sign	D. Beaulieu	The project objective is to develop a national traffic sign for electric vehicle charging stations. Status: In progress.