

Road Safety and Risk Management for Bicycle Facilities Workshop

September 19, 2019

The Bond Hotel
*65 Dundas Street East
Toronto, ON*

Register online at:
www.otc.org/events





WORKSHOP OVERVIEW

While the frequency of collisions on our road network has been trending downward, the number of collisions involving vulnerable road users has been on the rise in most urban areas across the province and throughout North America. This increase is not accidental and us, as transportation practitioners, have the knowledge and ability to reverse this undesirable trend. Vulnerable road user safety must be placed at the forefront through continuous improvements to the planning, design, operations, and maintenance of our infrastructure.

This comprehensive one-day course encompasses all aspects of on-road and off-road bicycle facility safety. The day will begin with an overview of the state-of-the-practice in road user safety, common bicycle facility safety issues, and potential contributory factors. The remainder of the course systematically walks the participants through modules on planning and designing on-road, shared use and rural bicycles facilities for safety, intersection and interchange treatments, delineation and access control, at-grade rail crossings, bridges, roundabouts, and roadside safety. Each module includes cases studies from actual in-service safety reviews, safety audits and/or legal cases in Ontario, and direct linkages to primary industry resources. Midday participants will walk to two nearby on-street bicycle facilities for a “hands on” bicycle safety review.

Learning Objectives

After successfully completing the workshops participants should be able to:

- Understand the state-of-the-practice in road safety engineering as it relates to bicycle facilities and operations.
- Identify common bicycle design, operations and maintenance safety concerns, and potential hazards on our facilities and networks, and select proven and low-cost countermeasures and remedial actions.
- Review and develop policies and practices to improve bicycle safety.
- Identify potential operational/safety issues and potential hazards of a proposed plan or design through a safety audit or preliminary risk assessment exercise.
- Locate readily available key resources related safety, design, operations, and maintenance.

Who Should Attend

- This course would be of benefit for the following staff involved in transportation planning, design, and operations, as well as maintenance of roads, sidewalks, trails, and paths:
- Transportation planners;
- Transportation engineers/technologists;
- AT managers and their staff;
- Public works and road maintenance personnel; and
- Others involved in the management, operations, and maintenance of roadways, sidewalks, and other pedestrian facilities.



COURSE INSTRUCTORS

RUSSELL BROWNLEE, M.A.SC., FITE, P.ENG.
President and Transportation Safety Engineer
True North Safety Group



Russell is the President and Transportation Safety Engineer at TNS Group, where he provides expert opinions in the areas of transportation system design, operations, and maintenance, primarily related to road and rail facilities. Russell is a recognized expert in undertaking in-service safety reviews of transportation facilities. He has completed safety reviews for the Ministry of Transportation of Ontario and many of regions and major municipalities in Ontario. He has completed preliminary risk assessments for proposed bicycle facilities and alternatives in the Region of Waterloo and the City of Ottawa. Russell has completed comprehensive pedestrian safety reviews along the Region of Durham corridors bordering the UOIT Durham College and Whitby GO train sites, and at a Metrolinx pedestrian at-grade railway crossing. Currently, Russell is part of project teams responsible for updating OTM Book 18, reviewing rural bicycle facilities in Burlington, and evaluating bicycle facilities through the Highway 400/Jane Street interchanges. Russell was invited to present at OTC's 2016 Annual Meeting on the topic of Safety and Risk Management of Our Active Transportation Systems, and had an article published in Municipal World Magazine titled: *Active Transportation: Is your municipality adequately responding to this revival?*

ALEX NOLET, M. ENG., P. ENG.
Vice-President
True North Safety Group



Alex has over eight years of experience in the transportation consulting industry where his focus has been road safety, traffic operations and collision analysis. Alex provides independent opinion to legal matters related to the design, construction, operations and maintenance of transportation facilities including intersections, interchanges, highways, walkways/trails, bike infrastructure, and railway crossings. Alex's project/file experience has included detailed examinations of the location, design, and operations of bicycle treatments including separated bike lanes and crossrides in multiple municipalities across Ontario. He is currently involved in the City of Burlington Rural Active Transportation Strategy project for which he is responsible for conducting safety reviews at trail crossings. He is the Vice President of the Canadian Association of Road Safety Professionals (CARSP). He recently led a CITE committee that published a report titled "*A Review of Public Right-of-way Accessibility Experiences in Canada*". He also developed and presented an annual one-day workshop at the Association québécoise des transports (AQTr) on the safety and risk management aspects for pedestrian facilities (December 2017).



REGISTRATION FORM

Register online at www.otc.org/events, or,
Return completed form to traffic@otc.org

Member: \$295 + HST Non Member: \$365 + HST	
First Name	
Last Name	
Organization	
Position	
Business Address	
Telephone	
Email	

PAYMENT INFORMATION

Payment can be fulfilled in the following ways -

1. *By Visa/MasterCard:* Please fill your credit card information on the attached invoice and return it via email at traffic@otc.org
2. *By Cheque:* Payable to Ontario Traffic Council and mailed to 47 Colborne St., Suite 204, Toronto, ON M5E 1P8, T: 647-346-4050 | F: 647-346-4060

VISA/MC #	
Exp. Date	
Name on Card	