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## Title

NEW TYPES OF BIKEWAYS – ACHIEVABLE FOR EVERY COMMUNITY

## Abstract

Make it safe! Make it comfortable! Make it convenient! Around the country, more cities are hearing the call for more and better quality bikeways. New Complete Street policies are demanding balanced design for all people on the street – pedestrians, cyclists and motorists alike. More communities are building bike lanes, cycle tracks and more in our streets. Transportation professionals are asking themselves: How can it work in my community? Every city and every street is different. The answer is.... Design Innovation. Learn about the latest design guidance for cycling in North American, learn from other cities trying those new types of bikeways, and learn directly from the experts.

This session is an overview of modern approaches to bikeway design, with a particular focus on cycle tracks. The session will appeal to engineers, planners, decision makers and other municipal staff – all whom are interested in learning which innovative bikeways can fit with their communities. Led by Norma Moores, a recognized expert in active transportation, this technical panel will guide you through a three part session as outlined below.

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**90 mins THE TRACK TO CYCLE TRACKS AND MORE – ACHIEVABLE BIKEWAYS FOR EVERY COMMUNITY**

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**Part 1: Design Guidance for Cycle Tracks in North American**

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- 30 mins. Review innovative bikeway design (Norma Moores):
- Overview of new types of bike facilities and a clearer definition for cycle tracks
  - A glance at the design guidance: an evolution of guidance from Europe and Australia to North America
  - A review of selection criteria from *Ontario Traffic Manual Book 18 Cycling Facilities*
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**Part 2: Fitting It In**

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- 25 mins. See examples of cycle tracks from communities in different contexts. Project synopses will provide a “quick peek” through Pecha Kucha-style (6 to 10 minute photo heavy) presentations that focus on what these cycle tracks look like: corridor characteristics, key constraints and final design outcomes.
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York Region: From buffered bike lanes to cycle tracks on the VivaNEXT corridors (Shawn Smith)

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City of Calgary: Centre City cycle track network phase 1: 7th St SW (Syed Atif Ali)

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City of Toronto: Downtown bikeway upgrades: Sherbourne cycle tracks and Richmond / Adelaide pilot projects (Lukasz Pawlowski)

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Waterloo Region: Planning for cyclists in Uptown Waterloo (Eric Saunderson)

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**Part 3: Hear from the experts**

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- 30 mins. In-depth panel discussion (all panel speakers): Q&A from the audience to the panellists plus a focus on the following questions (facilitated by Marian Saavedra and Norma Moores):

1. *What are the best context for cycle tracks and the factors for success?*
  2. *We’re not a big city: what new ideas can small and mid-sized cities try?*
  3. *What lessons have been learned and what’s designs need testing?*
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## **Panel Facilitators:**

### **Norma Moores, P.Eng., Associate, IBI Group**

Norma has more than 25 years of planning and design experience with much of the last decade focusing on active transportation. She has been involved in trail, bikeway and pedestrian master plans in numerous cities across Ontario as well as in Edmonton, Regina, Cape Breton, Charlottetown and upstate New York. Norma has been providing planning and design services to several cycle tack projects in Ontario including in the VivaNEXT corridors, York Region; Richmond / Adelaide corridors, Toronto; King Streets, Waterloo and Cambridge; and Cannon Street, Hamilton. She is a fellow of the Institute of Transportation Engineers and on the Board of the Association of Pedestrian and Bicycle Professionals (APBP).

### **Marian Saavedra, M.ASc., IBI Group**

Marian has experience in all aspects of active transportation planning for municipalities in Ontario such as policy development, funding strategies, public consultation, preparation of route selection criteria and network development. She played a lead role in the development of the cycling and pedestrian networks for the Region of Waterloo's and Halton Region's Active Transportation Plans, along with developing trails and cycling networks for the Cities of Sarnia and Brantford. Through these projects, Marian has gained a diverse understanding of different frameworks for development and implementation strategies. Marian has facilitated a number of workshops focused on gaining stakeholder insight on active transportation.

## **Panel Speakers:**

### **Shawn Smith, P.Eng., M.Eng., Program Manager of Active and Sustainable Transportation, York Region**

Shawn is a professional engineer with eleven years of experience in the transportation sector. In his current role, he is working to improve mobility and change travel behaviour through planning, design, implementation, education, and encouragement of sustainable transportation. Shawn has a keen interest in active transportation, Transportation Demand Management, low impact development, sustainability, and innovation, and is a voice for a happier and healthier planet. He is a member of PEO and the Association of Pedestrian and Bicycle Professionals.

### **Syed Atif Ali, M.Eng., P.Eng., Traffic Leader, Traffic Engineering, City of Calgary**

Syed is a professional engineer with nine years of experience in the transportation sector. His exposure to planning, design, construction, operations, maintenance and public consultation allows him to design streets that accommodate all users. He played a lead role in the City of Red Deer's award winning project - Commuter Bike Pilot Program, which included the design and implementation of a 16 km on-street bike network. He was the lead Traffic Engineer of the 7 Street SW Cycle Track project, which is the first cycle track for the City of Calgary. He is a fellow of APEGA and Institute of Transportation Engineers.

### **Lukasz Pawlowski, M.Eng., P.Eng., Senior Engineer, Cycling Infrastructure & Programs, City of Toronto**

Lukasz is a professional engineer with fifteen years of experience in the transportation sector. He is responsible for co-ordinating the design and installation of on-street bikeway projects (e.g. separated bicycle lanes, traditional bicycle lane, sharrows and signed routes). He is currently leading a pilot project initiative for separated bicycle lanes along the Richmond Street and Adelaide Street corridors in downtown Toronto, and was involved in the design of the Sherbourne Street cycle tracks and other downtown bikeway upgrades. Lukasz was on the Technical Committee that developed the Ontario Traffic Manual Book 18 Cycling Facilities.

**Eric Saunderson, PMP CET EIT, Project Manager, Design and Construction, Region of Waterloo**

Eric has been in municipal construction for 22 years holding various roles with the City of Kitchener and for the last two years with the Region of Waterloo. Some of his award winning projects include: Urban Form Case Study (Places to Grow) , King Street Reconstruction and King Street Master Plan (Downtown Kitchener). Eric received his Project Management Professional designation in 2009 and he is currently completing his experience requirement for his Professional Engineering Designation. Eric is currently the Project Manager for King Street re-design project in Uptown Waterloo that is considering how to fit cycle tracks into the mix of wider sidewalks, parking and travel lanes.