OTC Symposium

26-27 April 2021

Register online at:
www.otc.org/events

Ontario Traffic Council
www.otc.org

SYMPOSIUM SPONSOR

MOBYCON

VIRTUAL SYMPOSIUM PROGRAM

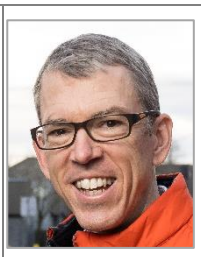
SYMPOSIUM MC – Day 1

Erica Warsh
Vision Zero Program Lead
City of Mississauga

SYMPOSIUM MC – Day 2

David Ferguson, C.E.T.
Superintendent of Roadway Safety
City of Hamilton

Monday, April 26, 2021	
8:25–8:30 AM	Welcome/Opening Remarks
8:30–9:10 AM	**Vision Zero: From Concept to Practice**  Eli Cooper *Transportation Program Manager* *City of Ann Arbor*  Stacey Meekins, AICP *Principal* *Sam Schwartz Engineering DPC* *Vision Zero as a concept is growing internationally – more and more cities are recognizing the needs and the benefits of this safety-focused approach. To eliminate fatalities and serious injuries from traffic crashes is bold goal, but is it achievable? What does it mean for practitioners? Learn how the City of Ann Arbor used Vision Zero as the anchor for its long-range transportation plan and how Vision Zero principles align with other community goals. Hear about experiences of cities across the US on successful ways they've been making immediate changes that have a big impact, from policies to education to infrastructure.*

9:10–9:50 AM	 **Vision Zero at Traffic Signals: From Concepts to Practice** Peter Koonce *Transportation Engineer* *In this presentation, participants will learn about how policies are used to set principles for traffic engineering design expectations. The concepts of traffic signal design and traffic engineering will be on trail during this session with examples of geometric changes that have been implemented to prioritize multimodal users. Specific traffic signal timing settings that are found in the National Association of City Transportation Official (NACTO) Urban Street Design Guide will be used as a framework to encourage participants to encourage their own local traffic engineer to seek changes that make signalized intersections meet the goal of Vision Zero.*
9:50–10:00 AM	Break (10 mins)
10:00–10:40 AM	 **Community Safety and Wellbeing/Vision Zero** Allan Villers *Detective Sergeant #2003* *Peel Regional Police Service* *This presentation will discuss the Peel Regional Police and its approach to Improve road safety through education, enforcement and proactive strategies and focus on the Community Safety and Well-Being Vision Zero goal.*
10:40–11:20 AM	 **Kicking Off the Second Decade of Action for Road Safety by Protecting Youth** Natalie Draisin *Director, North American Office & United Nations Representative, FIA Foundation* *This presentation will include low-cost solutions to preventing road traffic injuries, particularly among youth, including the CDC's Traffic Conflict Technique Toolkit, iRAP Star Ratings for Schools, UNICEF Guidance for Safe and Healthy Journeys to School During the Pandemic and Beyond, Vision Zero for Youth. Additionally, Natalie will discuss the Second Decade of Action for Road Safety and the upcoming Call to Action for low speeds during United Nations Global Road Safety Week from May 17-23.*

11:20–12:20 PM	**Panel Session:** Bringing Together Vision Zero Panel Moderator:  **Lennart Nout** Manager of International Strategy Mobycon Panelists:  **Teresa Di Felice** AVP of Government and Community Relations *CAA South Central Ontario*  **Laura Zeglen** Program Manager-School Travel Planning *Green Communities Canada*  **Thomas Barakat** Manager of Public Policy & Government Relations *Ontario Good Roads Association (OGRA)*  **Geoff Wilkinson** Executive Director *Ontario Traffic Council (OTC)*  **Valerie Smith** Director of Solutions *Parachute Canada*

Tuesday, April 27, 2021	
8:25–8:30 AM	Welcome/Opening Remarks
8:30–9:10 AM	**Prioritizing a Vision Zero Road Safety Strategy Within the City of Toronto Transportation Services Division and Across External Partners** Keynote Speaker:  **Barbara Gray** *General Manager, Transportation Services* *City of Toronto* *Cultivating and prioritizing a Vision Zero Road Safety Plan in the City of Toronto requires the support and leadership from senior management to align corporate values and vision. The Transportation Services Directors team, led by General Manager Barbara Gray, exemplifies this mindset with continued support and vision for an equitable data driven strategy to improve Toronto for its inhabitants focusing on the most vulnerable road users.*
9:10–9:50 AM	 **Hey, Watch Where You're Going! Driver Inattention and Vulnerable Road User Safety** Birsen Donmez *Professor-Department of Mechanical & Industrial Engineering* *University of Toronto* *A major reason for collisions between motor vehicles and vulnerable road users is driver attentional errors. These errors may arise from drivers misallocating their attention on the road or engaging in distractions that are not part of the driving task. In this talk, I will argue that inattention and distraction engagement are inherent to driving, and therefore we need better infrastructure solutions to protect vulnerable road users as training can only go so far to address the issue and vehicle technologies are not yet mature enough to provide timely warnings to drivers.*

9:50–10:00 AM	Break (10 mins)
10:00–10:40 AM	 **Vision Zero Surrey: A Safe Systems Approach to Road Safety - Taking Stock** Shabnem Afzal, BA, M.Sc. *Manager of Road Safety & Vision Zero Lead* *City of Surrey* *On January 30, 2019, City of Surrey Council approved the Vision Zero Surrey Safe Mobility Plan 2019–2023. The plan outlines the overarching approach of the City to move towards the concept of zero people killed and seriously injured ("KSIs") within the transportation network.* *Through advanced use of data analytics, strong multi-sectoral partnerships, and a commitment to being a Provincial and National leader in road safety, Surrey has started to see reductions in KSIs within the city. This presentation will demonstrate how these underlying principles have contributed to success on a variety of projects:* • *Data Analytics* • *Leading Pedestrian Intervals* • *Fully Protected Left Turn Phases* • *Surrey Slow Streets Pilot Project* • *Operation Double Take* • *Embedding Vision Zero* *The necessity for cultural & organisational change will be explored within the context of the transportation systems objectives.*
10:40–11:20 AM	 **New Advances in Transportation Safety Analysis** Dr. Tarek Sayed, P.Eng., FCAE, FEIC, FCSCE *Professor and Distinguished University Scholar* *University of British Columbia* *Most current research on road safety focuses on statistical techniques to model crashes and evaluate safety countermeasures. Less attention has been devoted to improving our understanding of the complex interaction of crash factors, how safety measures work, and how they affect road user behavior. The application of innovations that are both progressing and disrupting the status quo represents an opportunity for improved transportation safety. However, with the introduction of new modes of mobility and the complex interactions created by these different technologies within the transportation system, governments will need to rely on advanced research and analysis techniques to support policies towards the transition to these new forms of mobility. Several methods and techniques developed in this area will be described with example projects from several agencies worldwide.*

11:20 AM–12 PM	**Panel Session:** Data Technology to Track Vision Zero Panel Moderator:  **Ray Sayyadi, EIT** Traffic Engineer County of Essex Panelists:  **Pedram Izadpanah, Ph.D., P.Eng.** Partner TES Information Technology *Analytical Tools for the Development and Implementation of Vision Zero* *With the advancements in telecommunication and the Internet of Things (IoT) in the recent years, data has become ubiquitous. The challenge of transportation professional has changed from the lack of data to manage and analyze the large amounts of data to as a decision-making support tool. This challenge is more pronounced in the development, implementation, and monitoring of Vision Zero and safe systems plan which are intrinsically data driven. This presentation introduces a variety of novel data sources and analytical tools which can be used by road authorities to develop and implement Vision Zero plan and further utilize these tools to monitor their plans to ensure that they meet the goals and objectives of their plans.*  **Laura Schewel** Co-founder and CEO Streetlight Data *Informing Safety Initiatives with Big Data Analytics: A Technology-Driven Approach* *Vehicle crash volume doesn't fully inform bicycle and pedestrian safety, nor do measuring bike or pedestrian crashes per capita. For data-driven, impactful prioritization you need to know up-to-date exposure (crashes per bicycle trip, pedestrian trip and car trip) on a neighborhood and even road-by-road basis. This is especially important after COVID - as walking has increased but infrastructure hasn't changed in many areas. In this session, Laura Schewel, CEO of StreetLight Data, will share how you can evaluate risk effectively with transportation analytics for safety applications.*