



## Craig Lyon

### Senior Research Scientist Traffic Injury Research Foundation

Craig Lyon is a Senior Research Scientist at the Traffic Injury Research Foundation (TIRF), a charitable, independent road safety institute. TIRF is a world leader in research, safety programs, and policy development.

Craig has a background in transportation engineering with a focus on the quantitative analysis of road safety, including the development and evaluation of road safety improvement programs; investigating the safety effects of planning and design decisions; before-after collision investigation studies; and, the investigation of vehicle-pedestrian collisions. Craig is well-known internationally in the field of road safety.

#### Career and research highlights:

Craig's research interests are in the application of advanced statistical analysis methods to analyze data related to the effects of roadway infrastructure, drivers and administrative policies on safety.

Craig has contributed through research projects to material included in the American Association of State Highway and Transportation Officials' (AASHTO) Highway Safety Manual 1<sup>st</sup> edition. Recent projects include:

- > Proposed Macro-Level Safety Planning Analysis Chapter for the Highway Safety Manual
- > Pedestrian Countermeasure Crash Modification Factor Study
- > Understanding and Communicating Reliability of Crash Prediction Models
- > Guidance for the Development and Application of Crash Modification Factors
- > Review of Ministry of Transportation Driver Sanction and Remediation Programs
- > Safety Evaluation of Access Management Policies and Techniques
- > Automated Enforcement for Speeding and Red Light Running
- > Road Safety Audit Case Study Evaluations
- > Evaluation of the Effectiveness of Intersection Safety Cameras
- > A National Guideline for Collision-Prone Location Screening

Craig has authored many reports and publications in peer-reviewed journals including Accident Analysis & Prevention and the Transportation Research Record.

Craig has twice received the D. Grant Mickle Award for the best paper at the Transportation Research Board Annual Meeting in the area of Operation, Safety and Maintenance of Transportation Facilities.

#### Academic highlights:

- > Craig received his Masters of Applied Science in Transportation Engineering from the University of Toronto in 1999.
- > Craig has a Bachelors degree in Civil Engineering from Ryerson University in 1997.

#### Professional memberships and affiliations:

- > Member of the Committee on Safety Data, Analysis and Evaluation of the Transportation Research Board (TRB) of the National Academies.
- > Member, Professional Engineers of Ontario.