

JEFF TOWERS
Traffic Analyst

Mr. Towers is in the process of completing his Transportation Engineering Technology and Civil Engineering Technician diploma programs. Once complete, Jeff will be designated a Certified Engineering Technologist (C.E.T.) Mr. Towers specializes in transportation engineering, planning, operations, research and collision statistics.

Mr. Towers has been in the engineering industry for over 10 years; the last 5 in traffic engineering. He has gained valuable knowledge of how drivers react to their surrounding environment by reviewing, researching and analyzing collision trends, causation factors, environmental factors and understanding the potential contributory driver behavior that lead to the collision.

Mr. Towers has attended numerous seminars and conferences within the Transportation Engineering and Accident Reconstruction industries. Most recently, Jeff completed the Analysis of Low Speed Collisions 40-hour course offered by the Collision Safety Institute (CSI).

Mr. Towers belongs to several organizations within the Traffic Engineering and Accident Reconstruction industries such as the Institute of Transportation Engineers (ITE), Ontario Association of Engineering Technicians and Technologists (OACETT), Canadian Association of Technical Accident Investigators and Reconstructionists (CATAIR) and the Michigan Association of Traffic Accident Investigators (MATAI).

Mr. Towers has several years of experience researching, reviewing and analyzing motor vehicle collision reports and collision statistics. Jeff has undertaken numerous engineering studies that have involved the investigation and analyses of large and small collision databases. Mr. Towers' knowledge of traffic systems and collision trends is very valuable in collision reconstruction.

ACADEMIC BACKGROUND

- Transportation Engineering Technology, Mohawk College, Hamilton, Ontario
- Civil Engineering Technician, Mohawk College, Hamilton, Ontario

ADDITIONAL COURSES AND SEMINARS

- Overview of Project Management (People, Methods, Software), Brock University, November 2005
- Synchro/SimTraffic Version 6 Advanced Training, Electromega Limited Training Services, April 2004
- Analysis of Low Speed Collisions, Collision Safety Institute, Aurora, Ontario, March 2004
- Michigan Association of Traffic Accident Investigators Fall Training Conference, Michigan, USA, October 2003
- Canadian Association of Technical Accident Investigators and Reconstructionists Conference, Burlington, Ontario, August 2003
- Geographical Information Systems (Level II), Mohawk College, July 2003

PROFESSIONAL SOCIETIES

- Institute of Transportation Engineers (ITE)
- Ontario Association of Certified Engineering Technicians and Technologists (OACETT)
- Canadian Association of Technical Accident Investigators and Reconstructionists (CATAIR)
- Michigan Association of Traffic Accident Investigators (MATAI)

SPECIALIZED PROFESSIONAL COMPETENCE

Mr. Towers has performed in many different capacities involving: roadway and intersection operations, driver expectations and reviews of historical collision databases to determine solutions to the occurrence and severity of collisions. Some examples of the varying work he has conducted have been posted below.

Loss at Unprotected Railway Crossing

Reviewed warning signs at an unprotected railway crossing in response to a fatal collision. Researched and recommended requirements for warning and additional railway crossing protection.

Run-off-the-Road Collision Loss at Curve

Investigated if “curve warning and slippery when wet signs” at a curve subject to preferential icing should be installed.

Manufacturing Plant Entrance Traffic Study:

Investigated the incident rate and impacts at the main entrance of a manufacturing plant. Researched and recommended the countermeasures to improve the safety for drivers.

City of Cranbrook Access Management Strategy:

Investigated the incident rate of various modes of travel in regards to conflicts and collisions along a 5 km stretch of highway. Researched and recommended design modifications to pedestrian and bicycling facilities and access/egress to/from private property to road authority property.

Highway 401 Study: Investigated the historical occurrences of collisions on a 25 km stretch of highway to determine trends, causation factors, severity, types and environmental conditions. These investigations lead to extensive research into past collisions, which assisted in producing recommendations to decrease both the occurrences and the severities of collisions.

EMPLOYMENT BACKGROUND***Kodsi Engineering Incorporated (Mississauga) 2006 to Present***

- Traffic Analyst specializing in collision scene documentation, AutoCAD drawings, research and analysis

Delcan Corporation (Niagara Falls) 2003 to Present

- Project Manager, Assistant Project Manager and Traffic Technologist specializing in traffic operations, planning, research, collision statistics and traffic modeling

Totten Sims Hubicki Associates/Synecotics Transportation Consultants

(St. Catharines) 1998 – 2003

- Construction Inspector for various municipal road improvements previous to moving into the position of a Transportation Safety Technologist specializing in safety, research and analysis

Urban Systems Limited (Kelowna) May 2002 – August 2002

- Traffic Technologist specializing in traffic operations and safety

Mountainview Geotechnical Limited/Terraprobe Limited

(Stoney Creek) 1995 – 1998

- Asphalt, Concrete and Soils Technician specializing in the design and laboratory testing of asphalted cement mix designs and analysis of the properties of various types of concrete and soils.