

Collision
Reconstruction

Personal Injury

Electrical

Mechanical

Metallurgical

Civil & Structural

Fire & Explosion

Structural
Reconstruction

352 Consumers Rd.
Toronto, ON
M2J 1P8

416.491.2525
888.272.6671

Shawn Jay, M.Eng., P.Eng., C.C.F.I.-C.

416-491-2525 (Ext. 18)
shawn.jay@arconforensics.com

EXECUTIVE SUMMARY

In addition to his role as President of Arcon Forensic Engineers, Shawn is an established specialist in civil & structural forensic engineering with over 20 years of experience and has been qualified as an expert to provide testimony in Ontario Superior Court. His specialization is the forensic assessment of residential, commercial and industrial building deficiencies and damages. In addition to the investigation of structural and infrastructure design failures, he is often called upon to provide repair reconstruction details for buildings damaged by collapse, vehicle impact and fire. Shawn's practice extends to the investigation of pedestrian slip and fall accidents and he is well-versed in the assessment of walkways and stairs for compliance with the Ontario Building Code.

AREAS OF SPECIALIZED EXPERTISE

- *Building failure and structural design analysis*
- *Building envelope failure investigations*
- *Review of building condition assessments*
- *Code compliance assessments of buildings*
- *Slip / trip / fall assessments of walkways and stairs*
- *Repair construction details for residential, commercial and industrial buildings*

EDUCATION

- M.Eng., Civil / Structural / Construction Management (1997) Univ. of Toronto
- B.Eng., Civil / Structural (1990) McMaster University

QUALIFICATIONS & CERTIFICATIONS

- *Professional Engineer (P.Eng.)*
- *Ontario Building Code Qualified Designer (BCIN)*

PROFESSIONAL ASSOCIATIONS

- *Professional Engineers of Ontario*
- *Canadian Society for Civil Engineers*
- *Ontario Building Envelope Council*
- *Canadian Association of Fire Investigators*
- *Roof Consultants Institute*
- *Canadian Institute of Steel Construction*
- *Greater Toronto Sewer & Watermain Contractors Association*
- *Ontario Sewer & Watermain Construction Association*

Collision
Reconstruction

Personal Injury

Electrical

Mechanical

Metallurgical

Civil & Structural

Fire & Explosion

Structural
Reconstruction

352 Consumers Rd.
Toronto, ON
M2J 1P8

416.491.2525
888.272.6671

Shawn Jay, M.Eng., P.Eng., C.C.F.I.-C.

416-491-2525 (Ext. 18)
shawn.jay@arconforensics.com

PROFESSIONAL EXPERIENCE

Senior Forensic Engineer, Arcon Forensic Engineers
(1996 – Present)

Provide consulting engineering services to a variety of clients including insurance companies, independent adjusters, lawyers, contractors, corporations, and private individuals. Examination, assessment, analysis, re-design, repair specification, and supervision of remedial work for buildings damaged by vehicular impact, wind, water, and fire. Investigation of building component failures and construction deficiencies for residential, commercial, and industrial buildings including building envelopes, foundation walls, concrete walls, slabs-on-grade, structural steel, concrete masonry walls, brick masonry walls, wood framing, and roof framing structures, including compliance with Building Codes and applicable Standards.

Building Code compliance investigations. Investigation of building damages related to construction and vehicular vibration. Investigation of roofing systems with regard to failures, design and construction defects and maintenance issues. Investigation of sewer and watermain failures relating to design, construction, and maintenance. Investigation of land drainage issues with regards to overland flow, swales and culverts. Investigation of pedestrian injuries relating to slip and falls on stairs, walkways, ramps, and balconies including conformance with Building Codes and applicable Standards. Sprinkler system design and failure investigation. Engineering equipment failure investigation. Qualified as an expert in civil and structural engineering providing expert court testimony in civil trials. Qualified as an expert in pedestrian slip and fall situations providing expert court testimony in civil trials.

Structural Engineer, Egberts Engineering Ltd.
(1996)

Responsible for structural audits and inspections of steel and concrete buildings under construction and restoration of existing buildings.

Structural Engineer (Contract), Yolles Building Science Services Ltd / Egberts Engineering Ltd. / Walters Consulting Corporation
(1995)

Assignments ranged from the inspection, assessment and design repairs and retrofit of the roof structure at a National Defense Wooden Aircraft Hanger to site structural audits and inspections of steel and concrete buildings under construction and restoration of existing buildings and structural inspection and assessment of damaged buildings for insurance industry clients.

Assistant Engineer, Ontario Hydro
(1990 - 1995)

Responsible for design, analysis, inspection, assessment and site inspection of steel and concrete structures at fossil generating stations.