

Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

LANCE E. ROBSON, P.E.

PROFESSIONAL EXPERIENCE

- 1985 to present **Robson Forensic, Inc.** *Chairman of the Board, Engineer.* Provide technical services to attorneys, insurance companies, public authorities, road and street owners, trucking and railroad companies, and contractors for: highway engineering and traffic safety; reconstruction of motor vehicle, pedestrian and bicycle crashes; civil engineering; design; construction engineering, claims and safety.
- 1988 to 2009 **Howard Robson, Inc.** *Vice President.* Company performs competitively won heavy and electrical/mechanical construction work, primarily water and sewerage facilities. Contractors
- 1991 to present **Fournier, Robson & Associates, Inc.** *Principal.* Company provides planning, design and construction engineering services in the areas of roads, streets, structures, water and wastewater. Company provides safety engineering analysis & design, risk evaluations and safety auditing, training and workshops, and environmental contaminant monitoring for industry. Consulting Engineers
- 1968 to 1987 **Charles T. Main, Inc.** *Project Manager/Civil Engineer* for water resources projects. Responsibilities included: feasibility study preparation; master planning; detailed design; specification development; construction planning; bid document preparation; prequalification of bidders; bidding; evaluation of bids; recommendation of contract award; construction management; scheduling; safety during construction; field and factory inspection; specification interpretation; contract administration; change orders; claims avoidance; resolution of claims; office and field engineering; contract closeout; startup/turnover. Engineers and Contractors
- 1966 to 1968 **State University of New York at Buffalo** *Lecturer.* Taught undergraduate civil engineering courses and conducted graduate study related research.
- 1962 to 1964 **Peter Kiewit Sons' Co., General Contractor** *Estimator and Project Engineer* on highway, bridge, and marine construction projects.
- 1958 to 1962 *Surveyor* through Office Engineer on St. Lawrence River flow control dam, sewer construction, and pumped storage project.

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PROFESSIONAL REGISTRATIONS

Professional Engineer: New York, Pennsylvania, Maryland, Ohio, Delaware

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers - Member
Transportation Research Board - Associate
Institute of Traffic Engineers - Member
Society of Automotive Engineers - Member

EDUCATION

M.S., State University of New York at Buffalo, Civil Engineering, 1966
B.S., University of Buffalo, Civil Engineering, 1962

CONTINUING EDUCATION

- 1986-88 Graduate college courses in highway engineering and safety.
- 1987-11 Annual meetings: AAAM (92,93); ITE (88,89); NSC Traffic Records (87); SAE (90-00,02-04,06,10); STAPP (93,95). TRB (88-05,07,11)
- 1987-10 *Courses, workshops & special programs: Courses, workshops & special programs:* Traffic access for site development (87,90-TRB); Human Factors workshops (88-04-TRB); Traffic Signal Operation & Maintenance (88- ITE); Improving Traffic Safety - A Workshop On Positive Guidance (88-ITE); Asphalt Pavements (89-AI); Mechanics of Heavy Duty Trucks (89-UMTRI); Injuries, Anatomy, Biomechanics (90-SAE); Brakes-Design & Safety (90-SAE); Motor Vehicles Accident Reconstruction(91-SAE); Child Occupant Protection (93-SAE); Accidental Injury: Biomechanics & Prevention (95-USCD); Seminar: From Crash to Verdict (96-Limpert); Heavy Vehicle Underride Protection (97-SAE); Skip Barber Driving School (98); Enhancing Transportation Safety in the 21st Century (99- ITE); Road Safety Audits and Highway Safety (99-ITE); Managing Snow and Ice Control Operations (99); AASHTO Roadside Design Guide (08-FHWA); Work Zone Traffic Control (08-ASCE). *Seminars:* Local Road Safety Audits – Practical Applications (07-ITE); Safe Routes to School (07-ITE); The Arterial Highway System of the New York – New Jersey Region (10-Pratt). *Webinars:* Intersection Safety and Geometric Design (07-ITE); Traffic Calming (07-ASCE); Designing Bicycle Facilities (07-ASCE); Improving Pedestrian Crossing Safety at Uncontrolled Locations (07-ASCE); Roadside Delineation and Safety Systems (07-ASCE); Traffic Control Devices (07-ASCE); On-site Circulation and Access Design for Commercial Developments (08-ASCE); Traffic Signal Timing Fundamentals (08-ITE); Safety Aspects of Timing Traffic Signals (09-ASCE); Animal – Vehicle Collisions (09-TRB); Access Management Best Practices

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(09-ASCE); Designing Streets for Residential Subdivisions (09-ASCE); Sight Distance (09-ASCE); Accessible Pedestrian Signals (09-ITE); Reducing Collisions at High Crash Locations (09-ASCE); General Overview of the 2009 MUTCD (10-ATSSA); Improving Safety at Railroad Crossings (10-ASCE); Promoting Sustainable Transportation through Site Design (10-ITE); Fundamentals of Highway Safety Manual Predictive Method (10-ITE); 2009 MUTCD: Traffic Signs and Pavement Markings (10-ITE); Effects of Traffic Calming Measures on Pedestrians and Motorists (10-CED); 2009 MUTCD: Traffic Signs and Pavement Markings (10-ITE).

HIGHWAY ENGINEERING and CRASH RECONSTRUCTION EXPERIENCE

- 1962-64 Estimated highway construction for bidding. Constructed 2 multi-span freeway bridges and approaches, a freeway interchange and local streets.
- 1967,68 Taught undergraduate engineering surveying.
- 1978-82 Supervised design and construction of a concrete surfaced, mountain road and local street system to AASHTO standards; planned and maintained construction work zones for streets, rural roads and expressways.
- 1982,83 Supervised field engineering for 1 mile access road designed and constructed to PaDOT standards.
- 1986,87 Supervised field inspection for construction of a NJ county road and 180' bridge.
- 1985-10 Analysis, reports, and testimony for several hundred motor vehicle cases related to highway and street design, construction, operation and maintenance, including reconstruction of the collisions. Includes 300 pedestrian/bicycle, 90 utility pole and 70 construction work zone collisions and 10 wrong-way entry collisions.

PUBLICATIONS

Utility Poles – An Expert View – Plaintiff's Perspective, Lance E. Robson, P.E., **Litigating Automobile Accidents Involving Roadway Defects, 2007**, (Pennsylvania Bar Institute), Chapter Three

Single Vehicle Run Off the Road Incidents: Is the Highway the Cause? Joseph J. McHugh, P.E., C.E.T., Lance E. Robson, P.E., **Subrogator, Spring/Summer 2006** (National Association of Subrogation Professionals), page 87

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Defendants other than the Municipality and Is there Causation? Lance E. Robson, P.E., **Litigating Roadway Defects, PBI 2005-4003**, (Pennsylvania Bar Institute), Chapter Five

Bicycle Crash Reconstruction, Lance E. Robson, P.E., **Subrogator, Fall 2005** (National Association of Subrogation Professionals)

EXPERT NOT RETAINED