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Michael Ropret, P.Eng.

Civil/Structural Engineer, Managing Partner

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Education

UNIVERSITY OF WATERLOO

1988

Bachelor of Applied Science
Civil Engineering with Management Science Option

Experience

ROAR ENGINEERING

2015 – PRESENT

Civil/Structural Engineer, Managing Partner

Assess damage to buildings and infrastructure for insurance industry stakeholders.

Design and review the restoration of property damage.

Determine the cause of damage to building structural elements and systems.

Prepare engineering reports to document damage and identify cause of damage.

Promptly respond to emergency conditions that require structural engineering assessment and preservation of property.

Experience as an expert witness in Province of Ontario.

PARIO ENGINEERING (formerly Rochon Engineering Inc.)

2009 – 2015

Manager, Structural Engineering Department (2012 – 2015)

Structural Engineer (2009 – 2012)

Assessed building damage attributed to wind, fire, impact, ground movement, vibration, water escape or other peril (for insurers and claims adjusters).

Prepared scope of work and repair drawings for restoration of property damage.

Determined cause of damage to foundations, dwellings, commercial and industrial buildings, as well as farm structures.

Evaluated building envelope deficiencies and failures.

Provided support to legal clients regarding damage to structural building frames, retaining walls, infrastructure, docks, barns, as well as temporary structures such as shoring and scaffolding.

Well versed in building code requirements and compliance (Ontario and National Building Codes).

Assisted with building permit process for building restoration projects.

Peer reviewed work performed by department members.

REINFORCED EARTH COMPANY LTD.

1994 – 2009

Director of Marketing (2002 – 2009)

Regional Manager, Central Canada (1998 – 2001)

Project Supervisor (1994 – 1997)

Participated in the design and construction of mechanically stabilized earth (MSE) retaining wall and precast concrete arch systems for highway and industrial projects.

Structure design included soil and structural analysis.

Broad experience with core building materials such as steel, concrete and structural backfill.

Extensive experience with foundation preparation and evaluation.

Familiar with Canadian Highway Bridge Design Code.

WATER BOARD, Sydney, Australia

1991

Technical Support Engineer

Temporary contract position.

Technical support for water and waste-water operations staff.

ELLIS-DON CONSTRUCTION LTD.

1988 – 1990

Project Coordinator/Field Engineer

Co-ordinated and compiled sub-trade price quotations for project bids.

Provided technical support (surveying and drawing interpretation) for concrete forming operations.

Liaised with project architect and resolved project design issues.

Professional Associations & Memberships

Professional Engineers of Ontario (PEO)

Designated Consulting Engineer, 2012

Professional Engineers of Ontario (PEO)

Licensed Professional Engineer, 1990



Canadian Society for Civil Engineering (CSCE)
Toronto Chapter Executive Member

Canadian Geotechnical Society (CGS)
Southern Ontario Section Executive Member, 2007 – 2009

Ontario Road Builders' Association (ORBA)
Structures Committee Member, 2008 – 2009

Publications

AUTHOR OR CO-AUTHOR

Innovative Backfill for Mechanically Stabilized Earth (MSE) Wall,
CSCE Conference (2009)

Up-Grading Mechanically Stabilized Earth (MSE) Walls,
CSCE Conference (2008)

Mechanically Stabilized Earth (MSE) for Snider Diamond Rail to Rail Grade Separation,
CSCE Conference (2007)

Rosland Road Grade Separation,
CSCE Conference (2005)

Cost Effective Alternative Bridge Replacement in Ontario,
CSCE Conference (2003)

Advanced Loading Aspects of Reinforced Earth on Mechanically Stabilized Earth (MSE) Design,
Canadian Geotechnical Society Conference (2002)

INSTRUCTOR

Mechanically Stabilized Earth (MSE) Walls Course,
EPIC (2003)

Courses

Canadian Society for Civil Engineering
CSA-S850
Design and Assessment of Buildings Subjected to Blast Loads, 2013

Insurance Institute of Canada
Anatomy of a Claim, 2011
The Lost Art of Subrogation, 2011

Canadian Geotechnical Society – Southern Ontario Section
Enhanced In-Situ Testing for Geotechnical Site Characterization, 2009
Introduction to Instrumentation & Monitoring in Geotechnical Engineering, 2008

