

THIS IS EXHIBIT "A"
REFERRED TO IN THE AFFIDAVIT OF
DR. WILLIAM TAPE, P.E., P. ENG.
SWORN BEFORE ME THIS 24TH DAY
OF JULY, 2020.


.....
A Commissioner, etc.

WILLIAM TAPE, PH.D., P.E., P.ENG.

PROFESSIONAL ACCOMPLISHMENTS

- Professional Engineers Ontario, Professional Engineer
- Professional Engineers Ontario, Consulting Engineer
- Professional Engineers and Geoscientists British Columbia, Professional Engineer
- Professional Engineers and Geoscientists Alberta, Professional Engineer
- State of Michigan, Department of Licensing and Regulatory Affairs, Professional Engineer
- State of Tennessee, State of Board of Architectural and Engineering Examiners, Professional Engineer
- Canadian Welding Bureau, Recognized Welding Engineer

PROFESSIONAL EXPERIENCE

PROFESSOR, SCHOOL OF ENGINEERING TECHNOLOGY, ST. CLAIR COLLEGE
2018- Present

PRINCIPAL/ SENIOR ENGINEER, HADDAD, MORGAN AND ASSOCIATES LTD.

2007 - Present

- Senior Project Engineer
- Budget review and development for projects
- Budget management for company and clients
- Office and staff management
- Client liaison
- Board member
- Coordination of project approvals
- Design and construction review
- Report and document preparation for clients and Government Agencies
- Coordination of multi-disciplinary team
- Policy development
- Procurement for Company and Clients
- Tender preparation and administration
- Contract Administration
- Issue management for clients, inclusive of orders and site issues
- Project Management
- Design of Civil and Structural Systems
- Design of concrete repairs
- Assessment of concrete surfaces and structures

**SESSIONAL INSTRUCTOR, UNIVERSITY OF WINDSOR, CIVIL AND ENVIRONMENTAL
ENGINEERING DEPARTMENT**

2001-Present

- Teach courses at the undergraduate and graduate levels

ENGINEER, ALEO ASSOCIATES LTD.

2006 - 2006

- Project Engineer
- Design and construction management
- Preparation of bids and tenders
- Review of bids and tenders
- Contract Administration
- Structural analysis and design

STRUCTURAL ENGINEER, THE PRESTRESSED GROUP

2004 - 2006

- Design precast prestressed elements
- Field review of products
- Troubleshooting of site issues

PRODUCTION ENGINEER, CO-PIPE, TAYLOR MICHIGAN

2002-2002

- Project Take off and estimating
- Preparation of production documents
- Coordination of project shipments and project management

EDUCATION	UNIVERSITY OF WINDSOR, PH.D. IN STRUCTURAL (CIVIL) ENGINEERING 2004
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	UNIVERSITY OF WINDSOR, M.A.SC. IN OPEN CHANNEL HYDRAULICS (CIVIL) ENGINEERING 2001
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	UNIVERSITY OF WINDSOR, B.A.SC. IN CIVIL ENGINEERING 1999
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AFFILIATIONS/ MEMBERSHIPS	CIVIL AND ENVIRONMENTAL ENGINEERING, UNIVERSITY OF WINDSOR Adjunct Assistant Professor
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	CANADIAN INSTITUTE OF STEEL CONSTRUCTION Professional Member
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	AMERICAN INSTITUTE OF STEEL CONSTRUCTION Professional Member
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STEEL TUBE INSTITUTE

Professional Member

AWARDS AND ACCOMPLISHMENTS

- Working at Heights Training - Ministry of Labour Ontario
- Supervisor Health and Safety Awareness in 5 step program - Ministry of Labour
- Canadian Welding Bureau, Certification of Completion - Welding Supervisor Seminar
- Canadian Welding Bureau, Certification of Completion - Welding Fundamentals Certificate Program
- Canadian Welding Bureau, Certification of Completion - Procedures Engineer Certificate Program
- Canadian Welding Bureau, Certification of Completion - Fundamentals of Welding Technology Certificate Program
- Canadian Welding Bureau, Certification of Completion - Principles of Welding Design Certificate Program
- Canadian Welding Bureau, Certification of Completion- Aluminum Welding Certification Program
- Golden Apple Best First Year Instructor Award, University of Windsor Engineering Society
- Natural Sciences and Engineering Research Council, Graduate Scholarship, 2000-2004
- Ontario Graduate Scholarship for Science and Technology, 1999-2000

PUBLICATIONS

J. Grossi, W. Tape: Enhancement of Structural Capacity for Existing in Service Steel Flexural Members: A Theoretical Discussion, AISC Engineering Journal, (Submitted)

J. Grossi, W. Tape: Forensics and Integrated Design of Architecture and Structure in and onto Heritage Buildings, 4th International Conference on Structures and Architecture (ICSA) 2019, Lisbon, Portugal (Accepted)

Robitaille, S., Bartlett, F.M., Youssef M.A. and Tape, W (2009). Evaluating Prestress Losses During Pre-tensioning. CD-ROM Proceedings, 2nd Canadian Society for Civil Engineering (CSCE) International Construction Specialty Conference, St. John's, 10 pp.

W.D. Tape: Short-Term Performance of a Newly Developed Connection for Use in Precast Double Tee Systems, Ph.D. Thesis, University of Windsor, Ontario, Canada, 2001

W.D. Tape, J.B. Kennedy, M.K.S. Madugula: Proposed Design of CFRP Flange to Flange Connection for Precast Prestressed Double Tee Systems, ASCE Journal of Composites for Construction, Vol. 11, No. 1, January/February 2007

W.D. Tape, J.B. Kennedy, M. Madugula, L. Collavino: Bearing Capacity of Grouted and Ungrouted Recessed Ends of Hollow-Core Slabs, pci Journal, Vol 50, No. 6, November-December 2005

W.D. Tape: Experimental Investigation of Flow Patterns in Meandering Channels of Moderate Sinuosity, M.A.Sc. Thesis, University of Windsor, Ontario, Canada, 2001

A.M.F. da Silva, M.S. Yalin, T.H. El-Tahawy, W.D. Tape: Patterns of Flow in Meandering Channels of Varying Sinuosity. XXIX IAHR Congress Conference, Beijing China, 2001

A.M.F. da Silva, W.D. Tape, T.H. El-Tahawy: Mechanics of Turbulent Flow in Meandering Channels of Varying Sinuosity: an Experimental Study. CSCE Conference, British Columbia, 2001

W.D. Tape, T. H. El-Tahawy, A.M.F. da Silva: Experimental Investigation of Turbulent Flow in Meandering Channels. Abstract, CSCE Conference, London, 2000

W.D. Tape, A.M.F. da Silva: Experimental Investigation of Turbulent Boundary Layer Growth in Open Channel Flow. Abstract, CSCE Conference, London, 2000

COURSES TAUGHT

- Prestressed Concrete Design (Graduate), University of Windsor
 - Bridge Design (Graduate), University of Windsor
 - Design, Deterioration and Repair of Concrete(Graduate), University of Windsor
 - Engineering Project Management (Graduate), University of Windsor
 - Construction Management, St. Clair College
 - Finite Element for Analysis and Design, University of Windsor
 - Engineering Mechanics (Statics) I, University of Windsor
 - Mechanics of Deformable Bodies II, University of Windsor
 - Concrete Design II, University of Windsor
 - Hydraulics and Fluid Mechanics I, University of Windsor
 - Structural Steel Design I, University of Windsor
 - Water Distribution and Wastewater Collection Systems, University of Windsor
 - Fluid Mechanics, St. Clair College
 - Structural Analysis and Design, St. Clair College
 - Environmental Engineering, St. Clair College
 - Drafting and Design 2 (ARC 209), St. Clair College
 - Statics, St. Clair College
 - Estimating and Specifications, St. Clair College
 - Computer Estimating, St. Clair College.
 - Concrete and Masonry Design, St. Clair College
 - Drafting and Design 1, St. Clair College
 - Drafting and Design 2, St. Clair College
 - Structural Analysis and Design, St. Clair College
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