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# CHRISTOPHER A. TRAINI, P. Eng.

County Engineer  
Curriculum Vitae

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## EDUCATION

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McMaster University (1997)

- B. Eng. & Society
- Majored in Civil Engineering including:
  - Environmental Engineering
  - Highway Design
  - Foundation Design
  - Hydrological Design
  - Wastewater Management
  - Urban Geography

Western University (2008)

- Master of Public Administration
- Studies included:
  - Advanced Local Government
  - Organizational Behaviour
  - Local Government Management

## PROFESSIONAL ASSOCIATIONS

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Professional Engineers of Ontario

- Licensed December 2000

Municipal Engineers Association

- Member since July 2001

National Association of County Engineers

- Member since July 2001
- Ontario Director since 2006

IMSA (International Municipal Signal Association)

- Member since July 2001

## WORK HISTORY

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Following graduation, Mr. Traini accepted a position with the City of Hamilton in the Parks: Planning and Development department. In this position, he supervised the construction of several parks in the Hamilton area, including the development of the Red Hill Creek trail system.

In November of 1997, Monarch Construction Ltd. offered Mr. Traini a position with their company. During his tenure there, he performed many activities dealing with planning procedures involving the

Millcroft housing development in northern Burlington.

Mr. Traini joined Philips Planning and Engineering in June of 1998 and was accepted in the Municipal and Highway Engineering Group. His design work has included urban and rural road design, site development, and site servicing. Much of the design performed by Mr. Traini has been accomplished with the use of AutoCAD, Softdesk and HDS.

In addition, Mr. Traini has been responsible for the preparation of contract documents, including construction estimates and written specifications. Chris has also been responsible for the administration of several contracts involving private developments.

In July of 2001, Mr. Traini was accepted for the position of Transportation Engineer with the County of Middlesex, with the intention of replacing the existing County Engineer upon his retirement. His work with the County has included the design of several reconstruction projects on rural roads, the design of signalized intersections, bridge rehabilitation programs, construction cost estimating, and contract document preparation and administration.

In his current role as County Engineer, Mr. Traini acts as the administrator of the County of Middlesex Roads Department. He is responsible for the activities of this department, including design and engineering. Mr. Traini also plays an active role in the development of transportation policies and bylaws, as well as the preparation of capital and operating budgets. He also oversees the waste management, emergency planning and fire prevention activities of the County. As of mid-2010 Mr. Traini also serves a role as the Deputy Chief Administrative Officer of the County of Middlesex.

Mr. Traini has also prepared and presented many reports to Middlesex County Council and made comments with regards to the operation of the County road system and related subjects. He has also made recommendations on Municipal planning issues as well as subdivision and site plans. He has also participated in several committees dealing with such issues as long term transportation studies and reconstruction of maintenance facilities and long term health care facilities. Mr. Traini has represented the County of Middlesex at Ontario Municipal Board hearings regarding transportation engineering matters.

The following is a brief overview of some of the major projects in which Mr. Traini has been involved:

### **Municipal Development**

- County Road 28 (Nissouri Road), Thames Centre – rural road reconstruction. Oversaw design process, construction, and steering of land expropriation.
- County Road 7 (Ailsa Craig), North Middlesex – urban road reconstruction. Oversaw design process and construction for road works, as well as contract administration for sewer lining.
- County Road 49 (Catherine Street), Thames Centre – rural road reconstruction. Oversaw design and construction, including rehabilitation of several major outlet structures to the Thames River in coordination with the Upper Thames River Conservation Authority.
- County Road 81 (Centre Road), North Middlesex – rural road reconstruction. Oversaw design process, construction, and evaluated geotechnical proposal for suggested rehabilitation technique.
- County Road 41 (Adelaide Street North), Middlesex Centre – rural road reconstruction. Oversaw design process and construction.
- County Road 35 (Littlewoods Drive), Middlesex Centre – rural road reconstruction. Oversaw design process and construction.
- County Road 16 (Ilderton Road), Middlesex Centre – rural road reconstruction. Oversaw design process, prepared tender documents and administered construction contract.
- County Road 10 (Calvert Drive), Southwest Middlesex – rural road reconstruction. Oversaw design process and construction.
- County Road 39 (Albert Street), Strathroy-Caradoc – urban road reconstruction. Oversaw design process, prepared tender documents and administered construction contract.
- Churchill Estates, Town of Milton – rural estate subdivision. Design included rural road design, earthworks and grading. Administered contract and did site inspection.
- Gordon Groves, Town of Fergus – urban subdivision in former industrial area. Engineering of services and design of urban roads and lot grading.
- Dorchester Estates, Town of Grimsby – urban

subdivision design including road and services reconstruction to bring up to present day town standards.

- Orchard Community Phase I, City of Burlington – urban subdivision design including lot grading, road design and engineering of services.
- Garden Trail, City of Burlington – urban subdivision design including sanitary forcemain and pumping station.
- Sumac & Unsworth, City of Burlington – road reconstruction including upgrade to urban section and engineering of services. Retained soils system design at creek crossing.

### **Highway Development**

- Highway 402, Township of Plympton & Township of Warwick – 10 km. section reconstructed to facilitate lane widening. Extensive HDS design work.
- Highway 420, City of Niagara Falls – reconstruction and expansion from Q.E.W. highway. HDS and Land Development Desktop used for design.

### **Bridge Reconstruction**

- Completed and ongoing reconstruction projects including environmental assessments for the following structures:
  - Parkhill Creek Bridge, North Middlesex
  - Dorchester Bridge, Thames Centre
  - Albert Street Bridge, Strathroy-Caradoc

### **Bridge Rehabilitation**

- Prepared rehabilitation programs for the following structures:
  - Wardsville Bridge, Southwest Middlesex
  - Bothwell Bridge, Southwest Middlesex
  - Ausable River Bridge, North Middlesex
  - Simpsons Bridge, Southwest Middlesex
  - McAdams Bridge, North Middlesex

### **Other Projects**

- Ontario Hot Mix Asphalt Producers/Ontario Good Roads Association Liaison – member of the main committee and innovation sub-committee
- London Middlesex Road Safety Committee – member of multidisciplinary team dedicated to improving road safety in the region
- City of London Transportation Master Plan, City of London – member of review committee.