

WADE ENMAN,
B. Sc. Eng., P. Eng.



Area of Expertise:
Civil/Structural
Engineer

MEMBERSHIPS

- Association of Professional Engineers of Prince Edward Island.
- Association of Professional Engineers and Geoscientists of New Brunswick.

EDUCATION

1996 - 1998 University of New Brunswick - Fredericton, NB
Bachelor of Science in Civil Engineering

Specialized Courses:

- Reinforced Concrete Design
- Structural Steel Design
- Embankment Design
- Structural Masonry Design
- Transportation Engineering

1992 - 1995 University of Prince Edward Island - Charlottetown, PE
Diploma in Engineering

PROFESSIONAL EXPERIENCE

2006 **Delcom Engineering Ltd.**
Senior Structural Engineer

- ***Dorchester Avenue Condominiums - South Boston, MA***
Design of prestressed hollow core floor slabs and precast concrete balcony slabs for a 65,000 square foot, six storey condominium complex in South Boston, MA.
- ***Andersons Bridge - Cavendish, PEI***
Design of a new single-span reinforced concrete bridge utilizing prestressed box beams in Cavendish, PEI.
- ***Salmon River No. 3 - New Denmark, NB***
Design of a new three span reinforced concrete bridge in New Denmark, NB. Project also includes the relocation of approximately 300 metres of the Salmon River to prevent erosion of property in the area and eliminate future scour problems at the bridge.
- ***Parkside School - Summerside, PEI***
Design of a 15,000 square foot expansion to Parkside Elementary School in Summerside, PEI for a new gymnasium and theatre.



195 MacEwen Road
Summerside, P.E.I.
C1N 5Y4
Tel: (902) 436-2669
Fax: (902) 436-8601

email:
wenman@delcompei.com

Continued

- ***Home Depot Precast Design - Dartmouth, NS***
Design and detailing of precast, prestressed insulated wall panels for a new 100,000 square foot Home Depot store in Dartmouth, NS
- 2002-2006 **New Brunswick Department of Transportation
Bridge Design Engineer**
- ***Baker Brook Bridge No. 2 - Baker Brook, NB***
Design of a new single-span reinforced concrete bridge to replace an existing covered bridge in Baker Brook, NB. Project also included moving the covered bridge approximately 300 metres downstream to preserve as a tourist attraction.
 - ***Iroquois River Bridge No. 4 - Edmundston, NB***
Design of a new single span integral abutment bridge and approximately 500 metres of road realignment in Edmundston, NB
 - ***Hugh John Flemming Bridge Rehabilitation -Hartland, NB***
In May 2005, a transport truck collided with the traffic rail destroying approximately 150 metres of railing on a major structure on Route 2, Trans-Canada Highway, in Hartland, NB. Responsible for a structural assessment of damage to the bridge, design of repair procedures for the concrete deck and design of a new traffic rail for the structure.
 - ***Mackay Highway Interchange - Saint John, NB***
Completed a structural assessment of twin 268 metre long bridges crossing Rothesay Avenue on Route 1 in Saint John, NB built in 1975. Design of rehabilitation work required for a new concrete deck and asphalt paving for both structures.
 - ***Bartibog Bridge Deck Rehabilitation - Bartibog Bridge, NB***
Completed a structural assessment of a 275 metre long bridge in Bartibog Bridge, NB built in 1974. Design of rehabilitation work required for a concrete deck, sidewalk replacement and a new traffic rail for this structure.
 - ***Mersereau Stream Bridge No. 1 - Blissville, NB***
Design of a new single span integral abutment bridge in Blissville, NB. Bridge deck structure was designed using glass fiber reinforced polymer (GFRP) reinforcing bars. This is a pilot project in New Brunswick to determine the long-term performance of a “corrosion-free” bridge deck.
 - ***Pabineau River Bridge No. 2 - Bathurst, NB***
Design of a new single span steel structure on Route 430 in Bathurst, NB.

Continued

- ***Bathurst Village Bridge Removal - Bathurst, NB***
Design and co-ordination of specifications required for the removal of an approximately 210 metre long, seven span steel arch truss bridge and associated river channel upgrades.
- ***Sign Structure Review, Province of New Brunswick***
Responsible for the co-ordination and review of new detailed design drawings and the creation of new specifications for standard aluminum overhead sign structures for use in the Province of New Brunswick.

1999-2002

Strescon Limited
Precast Design Engineer

- ***Strescon Concrete Pipe Plant - Saint John, NB***
Structural design of an expansion to a precast concrete pipe plant for Strescon Limited, Saint John, NB. Design incorporated the use of prestressed concrete double tees, prestressed concrete beams, and load bearing concrete wall panels.
- ***Goff's Bridge - Cascumpec, PEI***
Design of precast, prestressed concrete girders for a four span bridge in Cascumpec, PEI.
- ***York County Jail - Alfred, ME***
Structural design of precast components for a new 100,000 square foot jail facility for York County, ME. Design incorporated the use of prestressed concrete double tees, prestressed concrete beams, precast columns and load bearing concrete wall panels.
- ***Home Depot - Dartmouth and Halifax, NS***
Design of precast architectural cladding and steel connection designs for two new Home Depot stores in Nova Scotia.
- ***Cliffside Apartments Parking Structure - Boston, MA***
Design of a two level precast concrete parking structure for an apartment complex in Boston, MA.
- ***Technology Square Office Complex - Cambridge, MA***
Design of precast architectural cladding and steel connection designs for three medium rise office buildings in Cambridge, MA.

WADE ENMAN
Civil/Structural
Engineer

Continued

ENGINEERING CREDENTIALS

Design experience with the following design codes and standards:

- CAN/CSA S6.00: Canadian Highway Bridge Design Code
- TAC - Geometric Design Guide for Canadian Roads
- National Building Code of Canada 1995
- CAN/CSA A23.3-94: Design of Concrete Structures
- CAN/CSA S16.1-01: Limit States Design of Steel Structures
- CAN/CSA O86-01: Engineering Design in Wood
- CAN/CSA S304.1-94: Masonry Design for Buildings