

Association of Professional Engineers and Geoscientists

of the
Province of Manitoba

Early Achievement Award

Presented to

W. R. (RICK) HALDANE-WILSONE

B.Sc. C.E., P.Eng.

Mr. Haldane-Wilson received his Bachelor of Science in Civil Engineering from the University of Manitoba in 1991. Upon graduation he worked for the Manitoba Department of Highways as a survey assistant. From 1992 to 1994, he conducted Master's level research into the effects of imperfections and perforations on the compressive resistance of cold-formed steel z-sections at the Structural Engineering and Construction Research and Development Facility at the University of Manitoba.

In 1994, Rick Haldane-Wilson joined Wardrop Engineering Inc. Rick has been recognized for his technical capability and leadership, and became a Principal of the firm in 2001. He has extensive experience in applications using advanced composite materials. This is exemplified by his participation and leadership in the design of girders and bridge deck for the Taylor Bridge in Headingly, Manitoba, the project management and design development of a patented composite material bridge deck, and various other advanced composite materials reinforcing applications. Rick has also worked on other projects such as the design of the substructures and superstructures for the new Provencher Paired Bridges Project, load rating and conceptual design and research with ISIS Canada into rehabilitation of the grade separation at PTH 101 and PTH 59 North using composite materials, the reinforcing of a rural timber bridge using composite materials, the design of substructure for the Charleswood Bridge in Winnipeg, and the emergency strengthening of the Provencher Bridge during the flood of 1997. Other projects include the marine engineering of a wharf stabilization program in Churchill, Manitoba, and studies, reports, and design of new structures and repairs of older structures for a large variety of industrial, commercial, and institutional buildings and other facilities.

Rick worked as a mentor for the Civil Engineering Department's Capstone Project – design portion of the assignment. Rick worked closely with the University of Manitoba Engineering Department in getting the four 4th year students through a bridge design process. Rick was also involved in the "shadow" program to bring a high school student to work with you for a day.

Rick has been involved in the organization of the CEM golf tournament for a number of years, and has sponsored a student at the APEGM Student Dinner Night yearly since graduation. He presented a paper at an Intelligent Sensing for Innovative Structures (ISIS) conference, and co-authored a paper on a patented GFRP bridge deck. He has presented papers on the Provencher Pedestrian Bridge project and on Structural Health Monitoring for Bridges.

Rick spent two years coaching at the A1 level of hockey, then two years at the AA level. He is also a hockey goalie and coaches net minding to various teams. He was the Wardrop Chairperson for the United Way Campaign for five years, is also involved in church activities, organizes and prepares (with friends) yearly Christmas hampers for two less fortunate families, and has been involved in the "Ride for Life" event for juvenile diabetes.

In awarding the Early Achievement Award to Rick Haldane-Wilson, the Association acknowledges his significant contributions as an engineer, to society and the engineering profession, in the early stages of a promising career.

March 4, 2003