



John A. Bickley, P.Eng

Summary

John Bickley holds diploma in Civil Engineering from the U.K. He is a registered professional engineer in the Canadian Province of Ontario as well as a consulting engineer.

Mr. Bickley is a Fellow of the Institution of Civil Engineers in England, a Fellow of the Canadian Society for Civil Engineering and a Fellow of the American Concrete Institute.

Mr. Bickley has specialised in concrete technology since 1955. Site and/or laboratory experience on projects in UK, Canada, USA, Bahamas, Jamaica, Malta, Jordan, Saudi Arabia, Abu Dhabi, India, Pakistan and New Zealand.

From 1990 to 2002, a Principal Investigator with Concrete Canada (CC), the Network of Centres of Excellence on High-Performance Concrete (HPC).

Mr. Bickley has administered research on HPC, and participated on many occasions in Canada, the USA, and abroad in the technology transfer of HPC technology to the Construction Industry through seminars and conferences.

As Implementation Manager of Concrete Canada, Mr. Bickley managed the many demonstration projects carried out with financial and technical support by CC. Included in these projects were a number of prototype bridges using HPC in Ontario, and Nova Scotia. Cast-in-place and Pre-cast concrete were included in this programme.

Mr. Bickley participated in the drafting of a specification for HPC adopted in 1998 by The Ontario Ministry of Transportation as their preferred concrete for bridge construction and has provided similar input to Transportation Agencies in Newfoundland, Manitoba and Alberta.

Mr. Bickley was a Member of the Independent Engineer team on the re-decking of the Jacques Cartier Bridge.

Awards

- Fellow Institution of Civil Engineers, 1979.
- Fellow Institution of Highway Engineers
- Fellow American Concrete Institute, 1980.
- Construction Practice Award, American Concrete Institute, 1980.
- Engineering News Record Citation, 1981.
- Award of Merit, Canadian Standards Association, 1988.

- Principal, Network of Centres of Excellence on High Performance Concrete; (Concrete Canada), 1990 to 2002
- Appointed Adjunct Professor, Department of Civil Engineering, University of Toronto, 1993-2003.
- Fellow Canadian Society for Civil Engineering, 1996.
- Delmar Bloem Award, American Concrete Institute, 1997.
- Ted Seeberg Award, Canadian Parking Foundation, 1999.

Publications

Mr. Bickley has published numerous papers on the specification and application of HPC for structures, including over 50 papers published in Canada, US, UK, Norway, Denmark, India and China.

Committees

American Concrete Institute (ACI)

1987-90	Board of Direction
1982-88	Education Activities
1982-88	Convention
1979-90	362 Parking Structures
1982-to date	214 Evaluation of Test Results
1982-94	228 Non Destructive Testing of Concrete (Chairman 1988-90)
1990-94	231 Properties of Concrete at Early Ages
1990-to date	363 High Strength Concrete (Chairman 1994-1998)
1994-98	Concrete Research Council
1979-81	Ontario Chapter Committee, The Investigation and Repair of Parking Structures (Chairman)

Canadian Standards Association (CSA)

1967-00	A23 Concrete Materials and Methods of Construction
1983-90	S413 Durable Parking Structures (Chairman)
1988-90	Task Force on Repair of Concrete
1994-00	A438 Concrete Construction for Housing and Small Buildings

American Society for Testing and Materials (ASTM)

1977-00	C9 Concrete and Concrete Aggregates
1977-92	C9.02.05 Non Destructive Testing
1990-00	C9.61 Methods of Testing of Concrete for Strength

Transportation Research Board (TRB)

1983-88	A2E03 Mechanical Properties of Concrete
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