



EDUCATION

Ph.D., Concrete Materials
University of Toronto, 2002

M.A.Sc., Civil Engineering (Structures
and Materials), University of Toronto,
1997

B.Eng., Civil Engineering (Structures)
McMaster University, 1995

REGISTRATIONS

SE – IL

PE – MI, IL, IN, MD, NC, TN, VA, WA,
WI

P.Eng. - BC

PROFESSIONAL ASSOCIATIONS

American Concrete Institute (Chair of
Service Life Prediction Committee,
Voting member of assorted other
committees)

International Concrete Repair Institute

PUBLICATIONS (Selected)

Stanish, K., 2016, "Impact on
Anticipated Service Life of Chloride
Thresholds," *ACI SP-308: Chloride
Thresholds and Limits for New
Construction*, D. Tepke, D. Trejo and
O.B. Isgor ed.

Stanish, K, Hooton, R.D., and Thomas,
M.D.A., 2004, "A Novel Method for
Describing Chloride Ion Transport due
to Electrical Gradient in Concrete: Part
1 & 2," *Cement and Concrete
Research*, Vol 34, No. 1, pp. 43-57.

Stanish, K. and Thomas, M.D.A., 2003,
"The Use of Bulk Diffusion Tests to
Establish Time-Dependent Concrete
Chloride Diffusion Coefficients,"
Cement and Concrete Research, Vol.
33, No. 1, pp. 55-62.

Stanish, K., Hooton, R.D. and
Pantazopoulou, S.J., 2000, "Corrosion
Effects on Bond Strength in Reinforced
Concrete," *ACI Structural Journal*, Vol.
96, No. 6, pp. 915-21.

Kyle has 15 years of experience working as a consulting structural engineer. His work has included the evaluation of existing structures, and the design of appropriate repairs and rehabilitation programs to extend the life of the structure and durability design for new structures with an extended service life. He has worked on a variety of structure types, including bridges, parking structures, plazas, façades, utility tunnels and miscellaneous structures.

Kyle has been interested and involved in durability of concrete structures since his work as a graduate student, studying transport properties within concrete and testing methods, as well as corrosion evaluation. He is currently the chair of the American Concrete Institute's committee 365 on Service Life Prediction and a member of 321 – Durability Code.

PROJECT EXPERIENCE

Mackinac Bridge, St Ignace, MI

Project manager for durability evaluation of existing bridge deck constructed in the 1960's. Project included field testing, durability evaluation of existing conditions and estimating remaining service life of bridge deck, including impact of rehabilitation programs to extend its life and conceptual durability design of replacement deck.

Broadway Subway Link Extension, Vancouver, BC

Project manager of durability design of new rapid transit extension, including new overhead guideway and tunnel system. The project is to achieve a 100-year service life.

Gordie Howe International Bridge, Detroit, MI/Windsor, ON

For construction of the new concrete bridge, reviewed materials and construction procedures for conformity with the desired 100-year service life and assisted in the resolution of variances as principal-in-charge.

Third Crossing Bridge, Kingston, ON

Supervised durability modeling and service life analyses for the new Third Crossing Bridge as principal-in-charge. This included development of a corrosion protection plan, strategies for design detailing, materials selection and prequalification testing, construction quality, inspection, QA/QC of materials and construction, operations and maintenance, and future repair to ensure the 100-year service life is met.

Federal Way Link Extension, King County, WA

Supervised durability study for the design and construction of the aerial guideway, bridges, cut-and-cover structures, and permanent retaining walls of the new Federal Way Link Extension project as principal-in-charge. This included development of a corrosion protection plan and developing strategies for design, materials selection and prequalification testing, QA/QC of materials and construction to achieve the 100-year service life target.

I-395 Bridge, Miami, FL

Owner's engineer for the service life and durability design of the I-395 Signature Bridge. Reviewed durability reports and proposed procedures from the Design/Build Contractor to achieve the specified 100-year service life on behalf of the Owner.