



PRESIDENT/MANAGING PRINCIPAL

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, AL, DC, FL, IL, IN, LA, MD, ME,
NC, NJ, TN, VA, WA, WI

P.Eng. – BC, ON

PROFESSIONAL ASSOCIATIONS

American Concrete Institute:

Fellow since 2023

Delmar L. Bloem Service Award 2025

321 – Durability Code

364 – Rehabilitation

365 – Service Life Prediction

562 – Repair Code

563 – Repair Specifications (Chair)

ITG 93-11 – Statistical Techniques

International Concrete Repair Institute

American Society of Civil Engineers

Kyle has 22 years of experience working as a consulting engineer. His work has included durability design for new structures with an extended service life, the evaluation of existing structures, and the design of appropriate repairs and rehabilitation programs to extend the structure's 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 current chair of the American Concrete Institute's committee 563 on Repair Specifications, former chair of committee 365 -Service Life Prediction and a member of committee 321 – Durability Code, among other involvement. He was awarded the ACI Bloem Distinguished Service Award in 2025.

REPRESENTATIVE PROJECT EXPERIENCE

P209 – Dry Dock 5 Replacement, Honolulu, HI

Part of Design-Bid-Build team for new Dry Dock. Responsibilities include service life modeling for 100 year life, setting performance requirements for Contractor to meet, preparation of concrete specification and review of submittals.

Etihad Rail Stage 2, United Arab Emirates

Project Executive of team providing durability design to obtain the 100-year service life for non-replaceable elements of a freight and passenger railway network. This included both concrete and steel elements and we looked at detailing strategies, materials selection and prequalification and construction quality reviews.

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, part of the design-build team. Reviewed materials and construction procedures for conformity with the desired 125-year service life and assisted in the resolution of variances as principal-in-charge.

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.

Bataan-Cavite Interlink Bridge, Manila, Philippines

Part of the design team for a new crossing at the mouth of Manila Bay. This 26 km long crossing consists of two cable-stayed bridges and connecting elevated marine viaducts. TCG performed the service life modeling and durability design to achieve a 100-year service life for the project in its aggressive marine environment.