



EDUCATION

M.Sc., Structural Engineering, Western Michigan University, 2018

B.S., Civil Engineering, Middle East Technical University, 2016

REGISTRATIONS & CERTIFICATIONS

Professional Engineer – Michigan

AMPP CP2 – Cathodic Protection Technician

PUBLICATIONS & PRESENTATIONS (SELECTED)

Berke, N., Stanish, K., and Inceefe, A. (2025). The Effects of Cations on Chloride Ingress and Hydroxide Levels in Concrete. ACI Special Publication SP-366.

Inceefe, A. (speaker) and Stanish, K. (2025). Use of Statistics with Large Datasets in Evaluation of the Remaining Service Life of an Existing Structure – A Case Study. Presentation for ACI 2025 Fall Convention, Baltimore, Maryland.

Berke, N., Inceefe, A., and Stanish, K. (2024). Long-Term Conductivity Studies of Low Permeability Concrete Containing Fly Ash. 2024 World of Coal Ash Proceedings (WOCA).

Berke, N. and Inceefe, A. (2022). Modeling the Service Life Performance of Bridge Deck Overlays, ACI Special Publication SP-351.

Berke, N., Inceefe, A., Kramer, A., and Antommattei, O. (2022). Durability of Portland Limestone Cement Concrete. ACI Concrete International, 44(1).

PROFESSIONAL ASSOCIATIONS

ACI 329 – Performance Criteria for Ready Mixed Concrete (Associate)

ACI 353 – Statistically Based Assessment of Existing Concrete Structures (Voting)

ACI 365 – Service Life Prediction (Associate)

Ali performs condition assessments and designs for new and existing structures. He is an experienced consulting engineer who provides project management and performs service life analysis, develops and optimizes materials durability systems, and conducts corrosion testing. He is a certified Cathodic Protection Technician (CP2) by AMPP. Ali's areas of expertise include materials engineering services, durability assessments, construction materials development and optimization, and service life analysis of new and existing structures.

PROJECT EXPERIENCE (Selected)

BNSF Rail Bridges, Carthage, TX, USA

Engineer for corrosion assessment of existing railway bridges. The work included field observations, field testing, and laboratory testing to quantify the existing corrosion damage on steel piles and to investigate the likelihood of corrosion being the root cause of concrete walkway failures.

Brooklyn-Queens Expressway, Brooklyn, NY, USA

Project manager for using the extensive testing (performed by TCG and others) results to evaluate the remaining service life of the various BQE structures and developing rehabilitation concepts for the triple cantilever portion of the expressway.

Etihad Rail Maintenance Facilities, United Arab Emirates

Project manager of the team providing durability design to obtain the 60- and 100-year service lives for non-replaceable elements of two Maintenance Facilities located in Rahayel and Sharjah. This included both concrete and steel elements. Provided detailing strategies, materials selection and prequalification requirements, and construction quality reviews.

Federal Way Link Extension Project, Federal Way, WA, USA

As the project manager, performed a durability study for the design and construction of the aerial guideway, bridges, cut-and-cover structures, and permanent retaining walls of the Federal Way Link Extension project. Developed a corrosion protection plan for the concrete and steel elements using a holistic and deterministic approach. Developed and managed a concrete prequalification testing program to ensure the 100-year service life is met based on performance-based requirements.

Newark Bay Bridge Replacement, Newark, NJ, USA

Part of the team responsible for evaluating the service life of different alternatives and developing a corrosion protection plan for the new Newark Bay Bridge.

Taylor Bridge, British Columbia, Canada

As the project engineer, established and performed laboratory thickness measurement testing on steel samples obtained from the structure to calculate corrosion losses, analyzed the provided in-situ steel thickness and coating degradation data for various superstructure elements, and performed statistical analysis to estimate representative corrosion rates for the analyzed elements to be used in the structural assessments.

Waaban (Third) Crossing Bridge, Kingston, Ontario, Canada

As the project manager, conducted durability modeling and service life analyses for the design of the concrete and steel elements of the Third Crossing Bridge. Developed a corrosion protection plan for the concrete and steel elements using a holistic and probabilistic analysis approach. Developed strategies for design detailing, materials selection and prequalification testing, construction quality, inspection, QA/QC of materials and construction, operations and maintenance, and repair to ensure the 100-year service life is met.