Ali N. Inceefe
Engineer II

EDUCATION

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

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

PUBLICATIONS & PRESENTATIONS

Berke, N. and Inceefe, A. (2021). Modeling the Service Life Performance of Bridge Deck Overlays, American Concrete Institute (ACI) Special Publication for Durability, Service Life, and Long-Term Integrity of Concrete Materials, Bridges, and Structures, ACI 2021 Fall Convention, Atlanta, Georgia.

Berke, N., Inceefe, A., and Tourney, P. (2020). Comparison of Various Service Life Models and Their Input Parameter Testing, Benchmarking of Codes, Specifications, and Models for Service Life, Presentation for American Concrete Institute (ACI) 2020 Fall Virtual Convention.

Inceefe, A., Attanayake, U. and Aktan, H. (2020). Eliminating Deck Overhang Issues during Deck Placement on Steel I-Girder Bridges, Tenth International Conference on Bridge Maintenance, Safety, and Management (IABMAS), Sapporo, Japan.

Inceefe, A., Attanayake, U. and Aktan, H. (2020). Systematic Evaluation of Steel I-Girder Bridge Constructability, Tenth International Conference on Bridge Maintenance, Safety, and Management (IABMAS), Sapporo, Japan.

Berke, N. and Inceefe, A. (2019). Modeling the Effects of Cracks on Chloride Ingress and Corrosion, Presentation for American Concrete Institute (ACI) 2019 Fall Convention, Cincinnati, Ohio.

Ali provides project management as well as condition assessments and design for new and existing structures. He performs service life analysis, develops and optimizes materials durability systems, and conducts corrosion testing. He is a member of ACI committee 365 on Service Life Prediction.

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.

While attending Western Michigan University, Ali involved in various positions including senior research associate, research engineer, and graduate research and teaching assistant. His responsibilities included developing a construction research laboratory containing state-of-the-practice equipment and designing experiments, conducting research related to highway bridge constructability and design, and giving graduate-level lectures and developing course materials.

PROJECT EXPERIENCE (Selected)

Federal Way Link Extension Project, *Washington*
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. Develop 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 meet.

Third Crossing Bridge, *Kingston, Ontario*
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. Develop 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 meet.

Union Station Parking Garage, *Washington, DC*
Performed laboratory testing on cores taken from the structure. Conducted service life analyses to compare various restoration and corrosion control programs and their effects on the service life of the structure. Developed three different restoration programs and performed service life analysis for each considering new and past laboratory test results.

Mackinac Bridge, *St. Ignace, Michigan*
Project engineer for durability evaluation of existing bridge deck. Involved in field testing, durability evaluation of existing conditions and estimating remaining service life of the bridge deck, and conceptual durability design of replacement deck.

Broadway Subway Link Extension, *Vancouver, British Columbia*
Project engineer for durability design of new rapid transit extension, including new overhead guideway and tunnel system. The project is to achieve a 100- year service life.

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