

SERVICES

Corrosion Protection Plan Review
Project Special Provisions Review
Concrete Mix Design Review
Mass Concrete Thermal Control Review
Engineering Consulting - Construction Phase

PROJECT SIZE

\$906,000,000

KEY PERSONNEL

Mark Dixon, Project Manager
Neal Berke, Vice President – Research
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REFERENCE

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Construction of Frederick Douglass Memorial Bridge

Tourney Consulting Group (TCG) was contracted through HNTB to represent the Owner (DDOT) as their materials service life and durability expert for the South Capitol Street Corridor Project Phase 1. The project consists of the new Frederick Douglass Memorial Bridge over the Anacostia River and landside structures including construction of two approach ovals east and west of the river, reconstruction of the I-295 interchange, and construction of several retaining wall structures.

TCG reviewed the design-build teams Corrosion Protection Plan for each element of each structure and worked closely together with the design-build team and Owner to resolve any durability related design issues so that the service life requirements of 100-years with a target confidence level of 90% were predicted to be met. In addition, mix designs, project special provisions, and thermal control plans were reviewed. During the construction phase, TCG reviewed the design-build team's durability-related issues that occurred during construction.