iCAMM™
New Patented NDT Technology

Project Spotlight: Detailed Condition Assessment of Reinforcing Steel in a High Moisture Environment

Dam Inspection

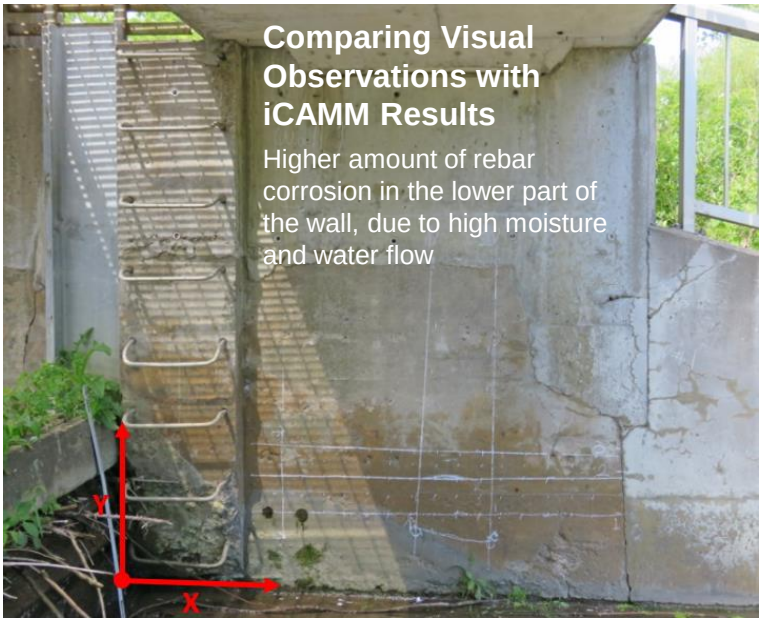
- Assessed the condition of the rebar in the main piers using InspecTerra's proprietary iCAMM scanning tool
- The piers are prone to electrochemical corrosion due to the wet environment

Highlights

- Inspected all ten walls in approximately 4 hours by a two person inspection crew
- **Quantified** the cross-sectional loss of steel reinforcement in each of the areas
- Results were well correlated with visual observations on the concrete surface

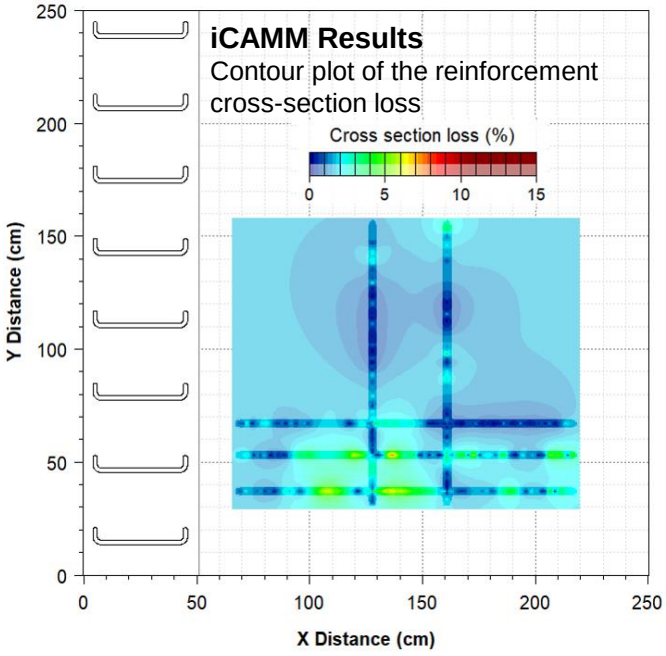
iCAMM scanner

- Unlike conventional NDT methods, such as the half-cell survey, which require physical access to the underlying rebar and are highly unreliable in wet conditions, iCAMM allows **quantitative** results to be obtained quickly and effectively
  - directly from the concrete surface,
  - without the need for any surface preparation, and
  - under adverse environmental conditions (e.g., high humidity and moisture, presence of salt/chlorides, etc.)



Comparing Visual Observations with iCAMM Results

Higher amount of rebar corrosion in the lower part of the wall, due to high moisture and water flow



InspecTerra
Infrastructure Condition Assessment

Contact Bijan to find out more:
bijan.mahbaz@inspecterra.com
+1-226-220-7987