Location

Richmond, British Columbia

Client

AECOM

Project Description

GeoVerra partnered with AECOM to conduct a thorough assessment of an aging bridge. The objective was to measure the topographical features of the bridge and its surrounding area. This comprehensive study aimed to provide the engineering team with essential data for a detailed analysis. The ultimate goal was to offer the bridge owner informed recommendations regarding potential rehabilitation or replacement options. Additionally, the project included a bathymetric survey of a section of the riverbed and a drone survey of the concrete piers, ensuring a comprehensive evaluation of the bridge's condition.

Why GeoVerra – Trusted, Responsive, Reliable Solutions

As one of Canada's largest surveying and geomatics firms, GeoVerra has in-house experts and the tools in place to work with highly regulated and process-driven municipalities. GeoVerra delivered state-of-the-art geomatics solutions while collaborating with AECOM. With a primary focus on safety, rigorous quality assurance and control processes, along with tailored solutions and innovative tools, GeoVerra ensured the provision of top-notch service and streamlined project management efficiency.

Primary Services and Deliverables

- Topographic Survey of Rail Bridge over the Fraser River, M4.88 on CN's Lulu Island Subdivision.
- Full 3D scanned model of the bridge.
- A drawing detailing crack mapping on the bridge's concrete piers, along with a detailed set of drawings showing key components of the bridge.