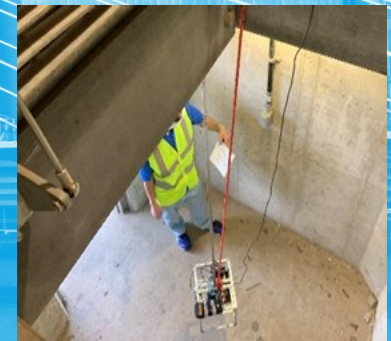
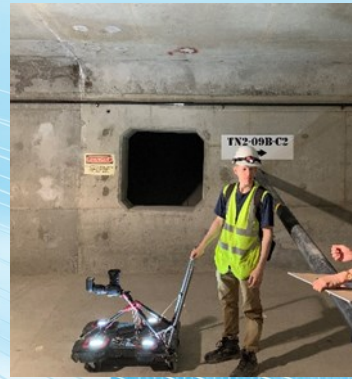


Entire Box Girder Bridge Scanning



Five distinct methods of visual and infrared imaging were utilized capture all structural surface types. To capture the deck top, our vehicle-mounted DTSS system was used. To capture box girder and pier tower exteriors, hand-held, and tripod mounted sensors were used. To capture box girder and pier tower interiors, cart-mounted and cable-suspended sensors were used.

The resulting data allowed imagery to be built into scaled plans of each bridge segment. Analysts reviewed the plans sheets and notated cracks, delamination, efflorescence, and spalls.



Project Details

Client	[Connecticut Agency]
Reference	Asif Iqbal miqbal@aiengineers.com
Surface Area	1,156,830 sqft
Project Period	08/2019 - 12/2019

Impression

The most important goal of this project was to develop the capability of comparing crack width and length in 2-year increments. The deliverables needed to be accessible to differing vendors selected by the agency's public procurement process. Given the measurement of findings is accurate and the imagery could be saved in high-resolution format, this information could be transmitted to the next vendor. NEXCO was proud to assist the agency in establishing this process.