



# Pearl Harbor Memorial Bridge Comprehensive Crack Mapping

## SUMMARY

Crack mapping for large or complex bridges is a massive undertaking, especially when done by hand. This was the case for the Pearl Harbor Memorial Bridge in New Haven, CT, but owners were interested in cutting the time and cost of crack detection through automation.

NEXCO undertook this task and provided the owners with a comprehensive visual and infrared scan of each surface type, including deck top, underside, box girder interior/exterior, and pier tower interior/exterior. Cracks with widths greater than 0.3mm in all areas, 0.1mm in some areas, were reported on in visual deficiency maps and numerical summary tables.



## OVERVIEW

**Client:**

AI Engineers, ConnDOT

**Contact info:**

Muhammad Asif

**Contract amount:**

\$300,000—\$500,000

**Total Area Scanned:**

Approximately 1,500,000sf of exterior surfaces and 2,000,000sf of interior surfaces

**Project period:**

Aug. 2019 - Nov. 2019



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