

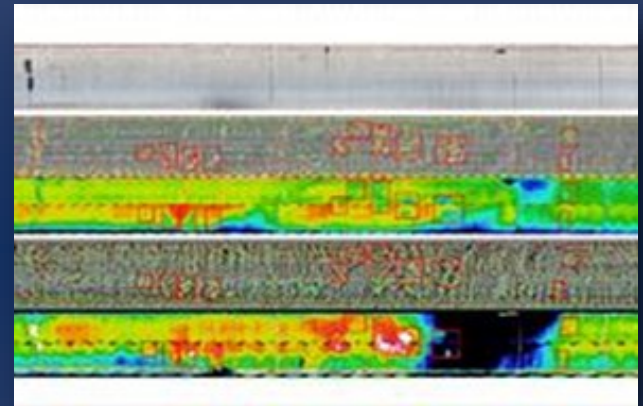


NYS DOT Infrared Bridge Deck Scanning

SUMMARY

In 2017, NEXCO-West USA worked with the New York State Department of Transportation (NYS DOT) to conduct mobile bridge deck scanning. This project was undertaken to demonstrate the capabilities of NEXCO's infrared thermography and line camera systems at two sites in New York. Using NEXCO's Deck Top Scanning System (DTSS), the bridges could be evaluated much faster than traditional methods.

The data successfully served as an insight into the advantages of using infrared as a means of identifying unsound concrete that may require repairs. The method's strengths lie in its ability to inspect large areas at an unprecedented speed while providing accurate information about the condition of concrete surfaces. Field data collection was performed at posted roadway speeds, and no lane closure of any kind was required. This type of scanning promotes more frequent, detailed monitoring of aging structures.



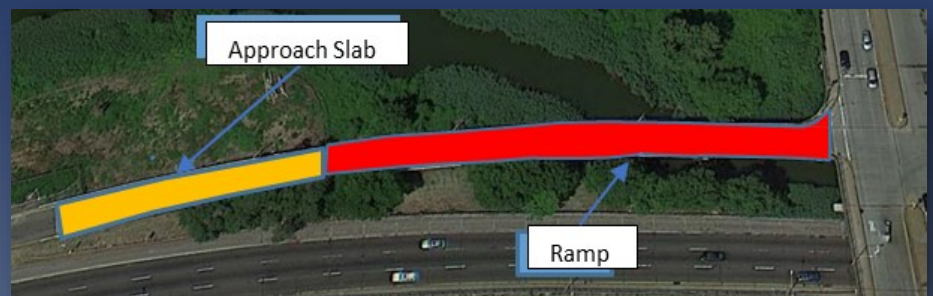
OVERVIEW

Client: NYS DOT

Contact info: Mr. Misbahuddin Mirza
(718-482-4686)

Quantity: The total length of the bridge is 312.3 ft

Project period: Jun. 2017



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