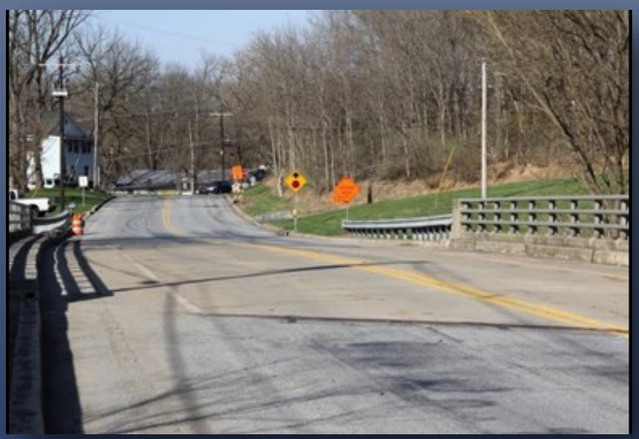
Rutgers University
Infrared System Development

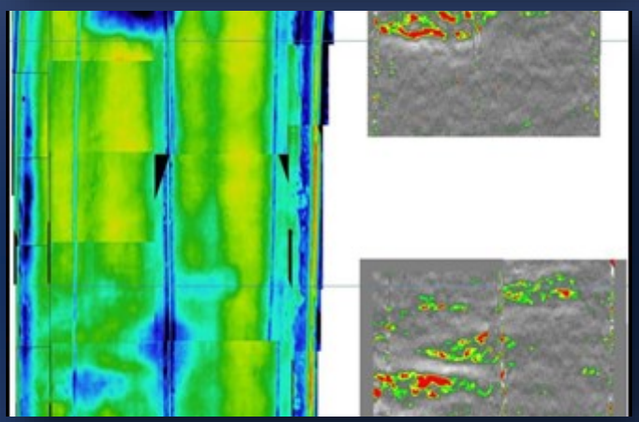
SUMMARY

In 2015, NEXCO-West USA worked with Rutgers University to combine non-destructive testing (NDT) technologies to introduce a highly effective means of automatically collecting and analyzing bridge deck condition. The purpose of this project was to provide NEXCO's infrared bridge deck condition assessment technology and, in addition, to support more efficient long-term bridge condition monitoring by supplementing collection via the Robot Assisted Bridge Inspection Tool (RABITTM).

RABIT was a research conducted by FHWA and Rutgers University which selected the best performing non-destructive inspection technologies of each manufacturer one by one and brought them together into a "non-destructive inspection robot."

For network and corridor level inspections, NEXCO's IRT technology provides bridge owners with useful information to prioritize specific bridge decks, enabling the best allocation of their limited budgets.





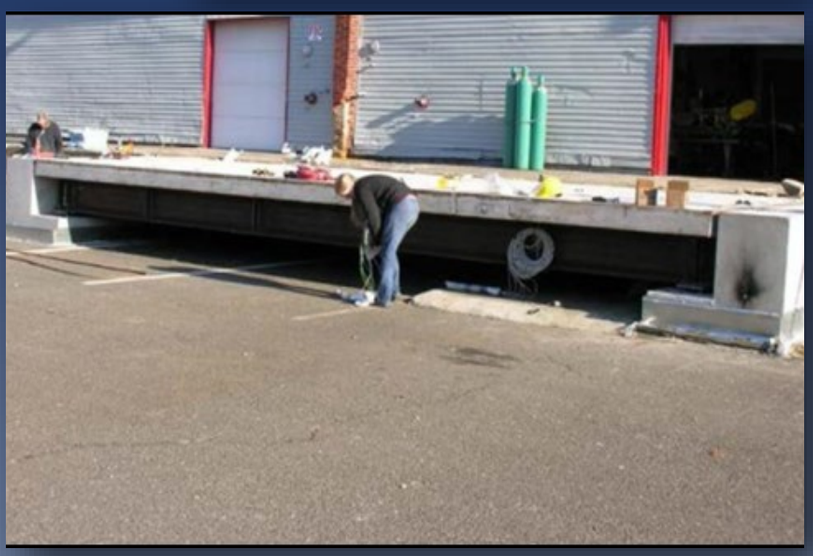
OVERVIEW

Client:
Rutgers University

Contact info:
Dr. Nenad Gucunski
(848-445-2957)

Quantity:
20,000 sqft

Project period:
Aug. 2015 – Feb. 2017



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