



Drexel University, FHWA Deck Top Scanning

SUMMARY

The Federal Highway Administration renews an Exploratory Advanced Research contract every ~5 years. As part of this ongoing research, the University of Drexel set out to evaluate the application of various NDE techniques to bridge decks. One of the target bridges selected for the project carries I-76 outside of Philadelphia, PA. NEXCO participated to provide a mobile infrared and high-definition visual deck top scan.

Of the various techniques applied during the research, the mobile infrared and visual scan was the only method which located the deficiencies in question without a lane closure. It proved an effective method for to making judgement calls on the overall condition of the deck.

The infrared data's accuracy was validated during a follow-up hands-on inspection of the deck top.



OVERVIEW

Clients:

Drexel University, FHWA

Contact info:

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Quantity:

47,000 sqft

Project period:

April 2017 - May 2017



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