

VDOT Infrared Bridge Deck Scanning

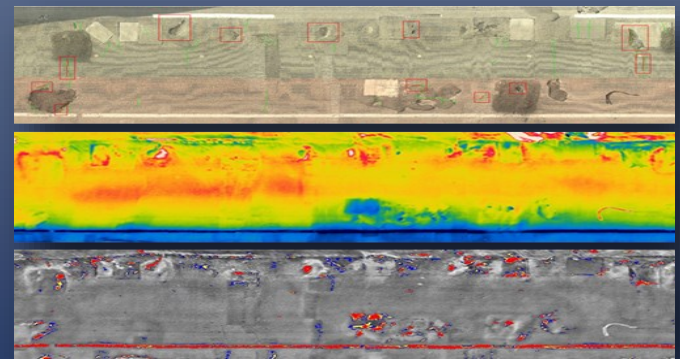
SUMMARY

In 2012, NEXCO West-USA worked with the Virginia Department of Transportation (VDOT) on a pilot project for the usage of mobile bridge deck scanning. The purpose of the project was primarily to identify cracks and delamination on the target bridge carrying I-64 over Shockoe Valley.

The technology proved effective in the identification and quantification of both cracks visual on the deck's surface, and sub-surface delamination detectable only by infrared.

Bridge owners can use this information to prioritize the bridge deck repair and/or adjust rehabilitation schedules to allocate limited budgets and obtain the maximum return on investment for network level bridge management.

	Insignificant	Moderate	Severe
Crack Size	< 1/16"	1/16" to 1/4"	>1/4"



OVERVIEW

Client: VDOT

Contact info: Claude S. Napier, Jr
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Quantity: 35,000 sqft

Project period: Nov. 2012



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