

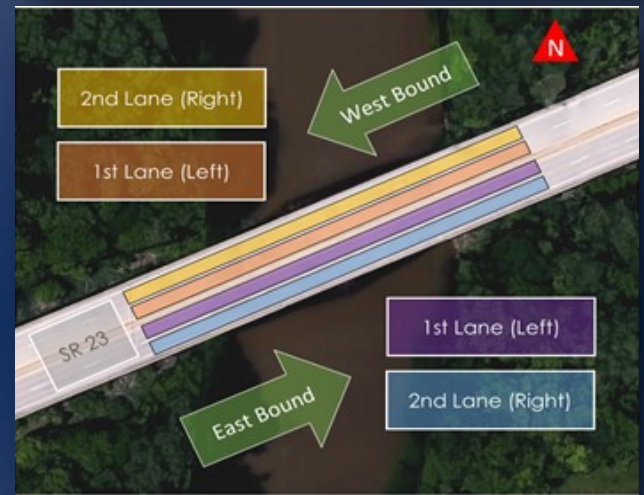


PennDOT Infrared Bridge Deck Scanning

SUMMARY

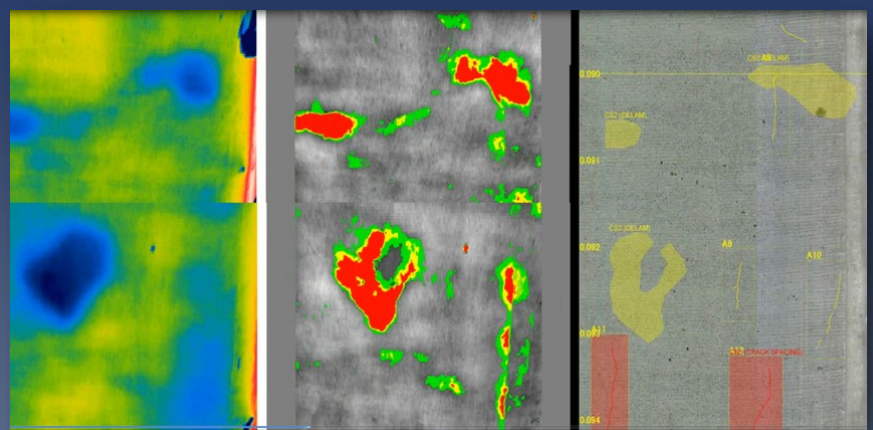
In 2016, NEXCO-West USA worked with Pennsylvania's Department of Transportation. The purpose of this project was to quantify and map rebar level delamination in the top of the bridge deck over the Conestoga River in Lancaster, PA. It primarily included non-destructive evaluation (NDE) of the bridge deck surface and near sub-surface condition using infrared thermography at, or near, highway speeds.

The work included site inspection, data collection/condition assessment, data analysis (quantification of delamination and/or overlay bonding), composition of thermal and visual imagery and final plan area map, composition of AutoCAD file, and submission of a final report.



OVERVIEW

Client:	PennDOT
Contact info:	Mr. Scott Stock sstock@mackinengineering.com (717-774-8900)
Contract amount:	\$ 4,000-\$6,000
Quantity:	The total deck area is 45,360 sqft.
Project period:	May 2016 - Apr.2017



Original infrared data Processed infrared data 2D visual scan

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