



# HDR - VDOT Bridge Deck Scanning

## SUMMARY

NEXCO evaluated a target bridge in Alexandria, VA, which is owned and managed by the Virginia Department of Transportation (VDOT). This bridge, carrying 34th St over I-395, was selected as a subject for close examination using non-destructive evaluation (NDE) technology. The main forms of NDE chosen for this application were high-definition (HD) visual, infrared thermography (IRT), and ground-penetrating radar (GPR).

Based on the findings exhibited in the deliverables, NEXCO provided recommendations that aided the comprehensive evaluation of the bridge. It also performed validation testing of the IR results, which showed a near-perfect match with the sounding tests.

In addition to a report document, the data for this bridge was prepared in an online portal with flexible layer views, allowing the client to switch between the different NDT results seamlessly.



## OVERVIEW

### Clients:

HDR Inc.

### Contact info:

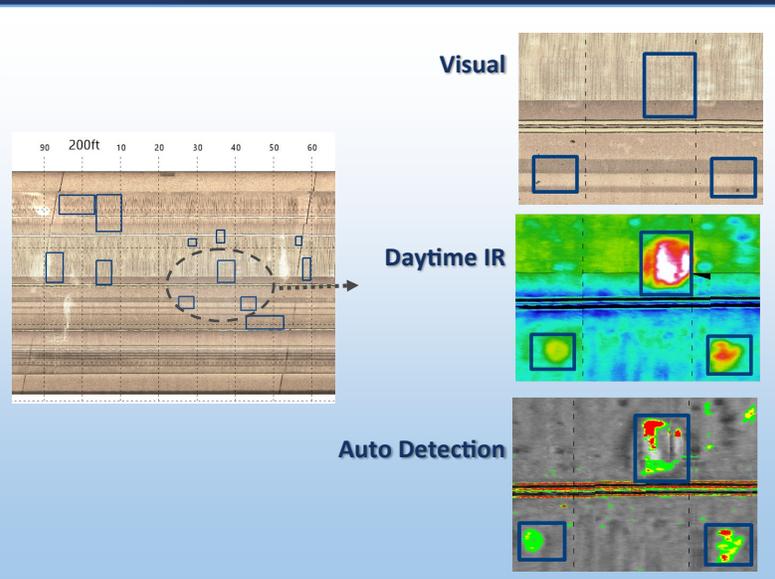
Mr. Modi Vijay, PE  
vijay.modi@hdrinc.com

### Quantity:

Deck Area 21,785 ft<sup>2</sup>

### Project period:

Mar. 2021



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