



HDR - VDOT Bridge Deck Scanning

SUMMARY

NEXCO evaluated one target bridge structure 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. This allowed the client to overlap and consider all of the data formats at once.



OVERVIEW

Clients:

HDR Inc.

Contact info:

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

Contract amount:

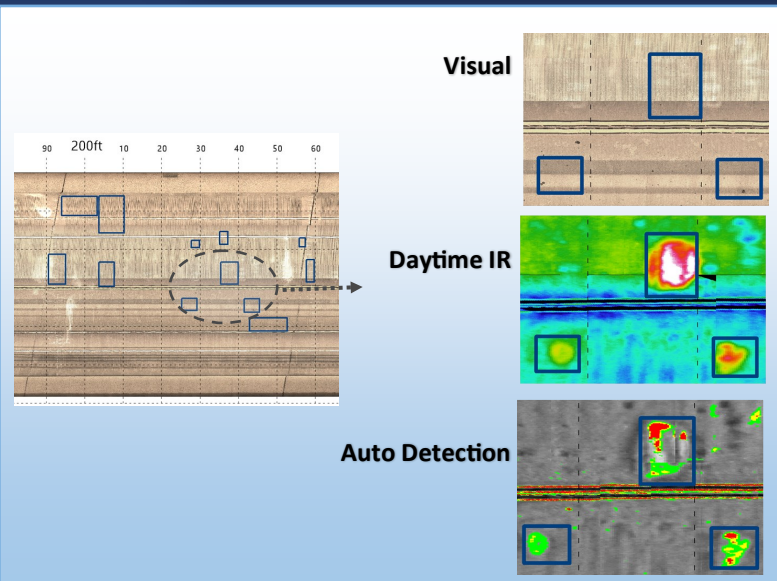
\$4,000—\$5,000

Quantity:

Deck Area 21,785 ft²

Project period:

Mar. 2021



NEXCO - West USA

8300 Boone Blvd. Suite 260

Vienna, VA 22182

+1 (703) 734 - 0281

info@w-nexco-usa.com

www.w-nexco-usa.com