

# Ohio DOT Infrared Bridge Deck Scanning

## SUMMARY

In 2014, NEXCO-West USA worked with the Ohio Department of Transportation (ODOT) to evaluate numerous bridges using infrared and high-resolution cameras. The purpose of this project was to provide infrared thermography scanning in a corridor including six bridge decks on IR-75 in Hamilton County, Ohio (between Brent Spence Bridge and the Western Hills Viaduct Interchange). In addition, this project demonstrated NEXCO's ability to scan in highly trafficked areas without the use of a lane closure.

The data gathered was processed and interpreted by experienced engineers to identify unsound concrete that would require repairs to extend the life of the structures for an additional ten years. A summary table of delaminated area and AASHTO element level condition states for each span/line of the bridges, as well as geolocated images describing the location of delaminated areas was delivered.



## OVERVIEW

### Client:

Gannett Fleming, Inc.  
Resource International, Inc.

### Contact info:

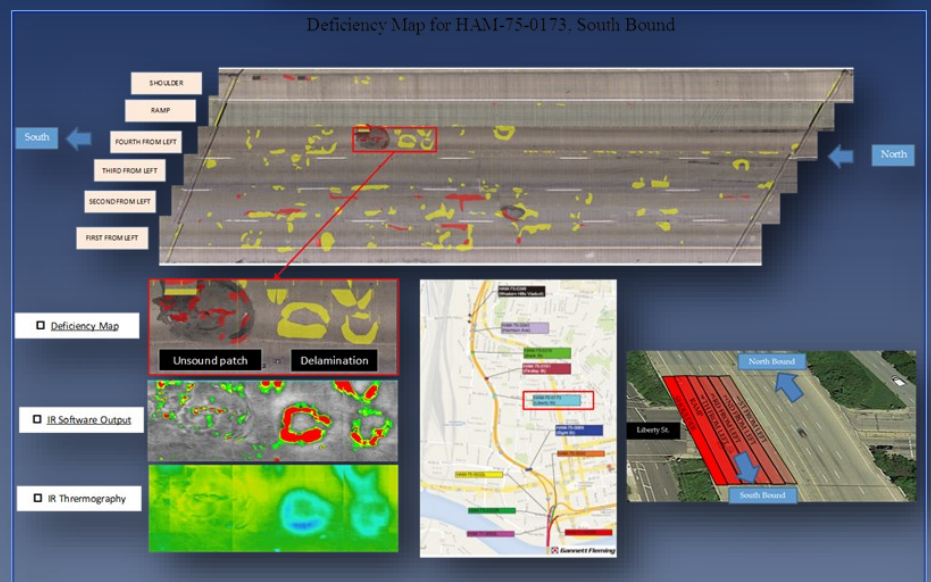
Cherif Amer-Yahia  
(614-823-4949)

### Quantity:

Total deck area: 267,365 sqft

### Project period:

August, 2014



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