



# Ohio DOT Infrared Bridge Deck Scanning

## SUMMARY

In 2014, NEXCO-West USA worked with Ohio's DOT to evaluate numerous bridges using infrared and high-resolution cameras. The purpose of this project was to provide infrared thermography scanning in a project corridor at 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 even in highly trafficked areas without the use of a lane closure.

The data gathered was processed and interpreted by certified engineers to identify unsound concrete that would require potential repairs to extend the life of these 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 Google earth images describing the location of delaminated areas was delivered.



## OVERVIEW

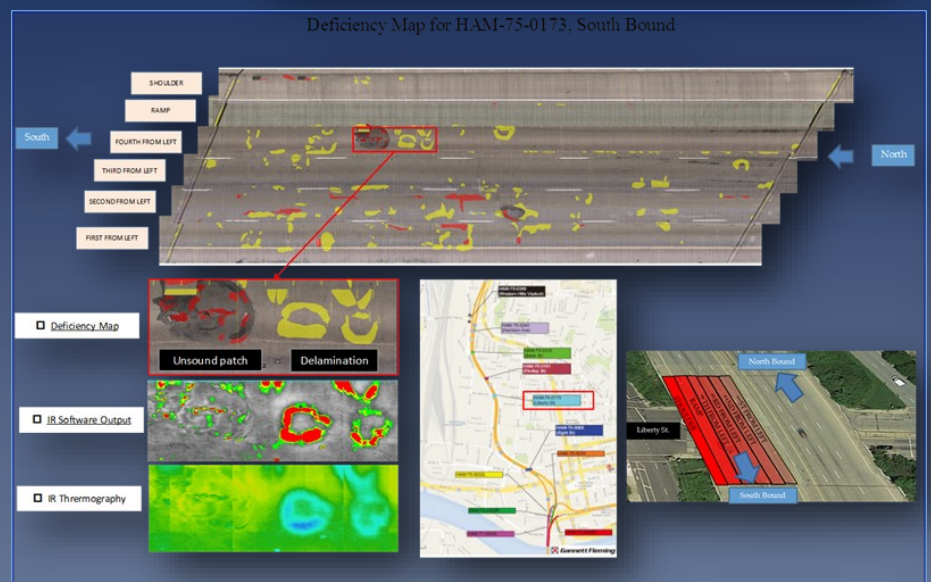
**Client:** Resource International, Inc.

**Contact info:** Mr. Chrif Amer-Yahia (614-823-4949)

**Contract amount:** \$ 30,000-\$50,000

**Quantity:** The total deck area is 267,365 sqft.

**Project period:** Aug. 2014



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