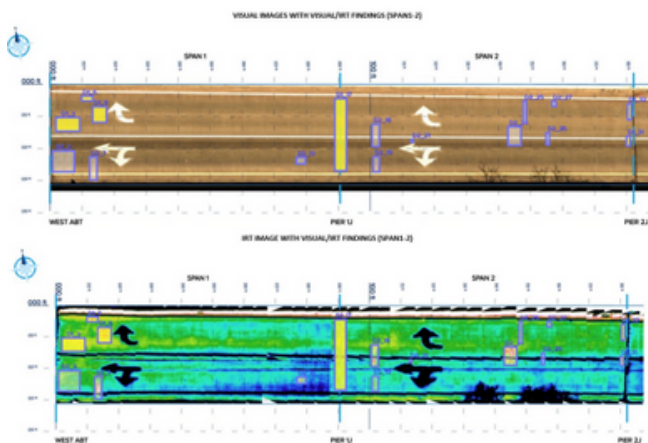


Innovation Demonstrations Pilot Project

Minnesota

As part of the Transportation System Preservation Technical Services Program (TSP2)'s Innovation Demonstration's Group, NEXCO has offered, free of cost, to produce condition reports for upwards of seven bridge decks in the state of Minnesota. Data collection methods for the bridge decks was visual, infrared, and groundpenetrating radar.

This pilot project offered a rare and productive opportunity to directly confirm the accuracy of NDE scanning, because the target decks were scheduled to either be milled or completely re-placed.




HD Visual/IR Image



Geo Stitched GPR

Project Details

- Client : Minnesota Agency
- Reference : [withheld until publication of reviewed reports]
- Target Lengths: 1 city block+ intersection (~500ft)
- Used Technologies: Deck Top Scanning System(Visual + Infrared) / Ground Penetrating Radar 
- Project Period: April - July / 2025

Impression

With the removal of the top overlay, the actual quantities of poor concrete and rebar condition can be confirmed and compared to the estimated quantities found by NDE. The study will aid in the use of NDE by showcasing capabilities to the owner agency and helping NDE users further hone their analysis skills.