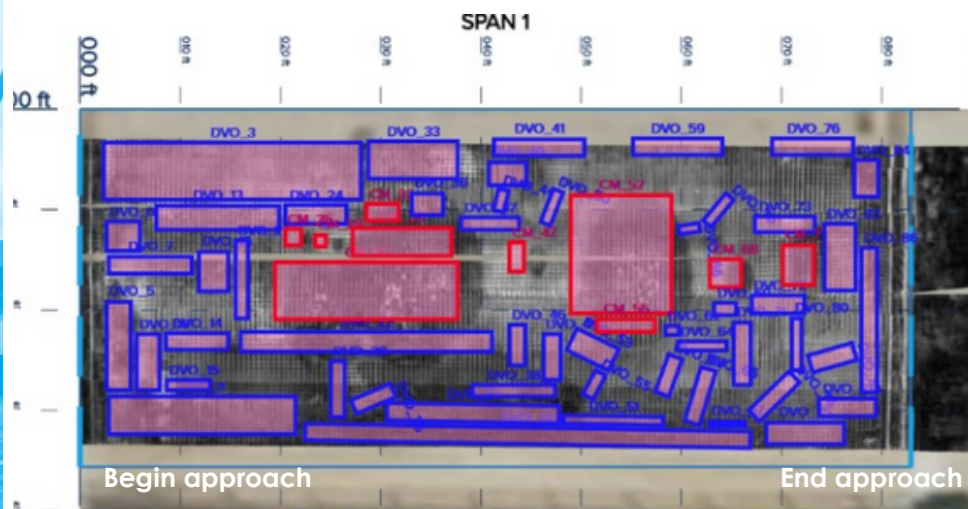


Deterioration Mapping for City Bridges

Maryland

A subset of other large-scale scanning efforts in the state of Maryland, three bridges in a downtown area were scanning using visual, infrared, and GPR sensors to quantify deficient findings.

The decks were concrete-filled steel grid type and featured advanced stages of water intrusion and steel corrosion. Through the combined effort of the owner, contracted engineering firms, and subcontracted NDE firms, the bridges were fully inspected and informed decisions were made based on a wealth of inspection data.



Heavy deterioration



Crack map

Project Details

- Client : Maryland Agency
- Reference : Mark Wolcott mark.wolcott@iseeusa.net
- Target Area : 11,000sqft
- Used Technologies: Deck Top Scanning System(Visual + Infrared) / Ground Penetrating Radar
- Project Period: October / 2024



Impression

These bridge decks were flagged as candidates for major rehabilitation or replacement. The extent of subsurface deterioration detected by GPR playing a significant role in strategizing maintenance. Although the bridges were situated in a very crowded neighborhood, the data collection by vehicle ensured that fieldwork time was limited and disruptions to the public were minimal.