

Characterization of Voids and Other Subsurface Deficiencies by Geophysical Methods

Principal Investigator:

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Project Sponsor:

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Need:

Economical and non-invasive method to locate subsurface voids and other buried anomalies.

Objective:

Identify the optimum geophysical measurement technique for detecting subsurface flaws, purchase a system based on this technique, and calibrate it for local use.

Duration:

Started November 15, 2006

Cost:

\$288,839

Update:

- A literature search has been initiated that is focusing on experiences by FHWA and other agencies with geophysical survey procedures. Past work in Hawaii using some of these methods is being reviewed to identify the three or four most promising techniques.
- Planning has begun on designing a test bed with buried cavities of different characteristics for surveying by a contractor using a variety of geophysical systems.