

# Engineering Geophysics

## Imaging in Karst Terrain

- Imaging of sinkholes, caves and solution-widened joints. Mapping lithology, top-of-rock, seepage pathways and the water table.

## Bridge Decks and Pavements

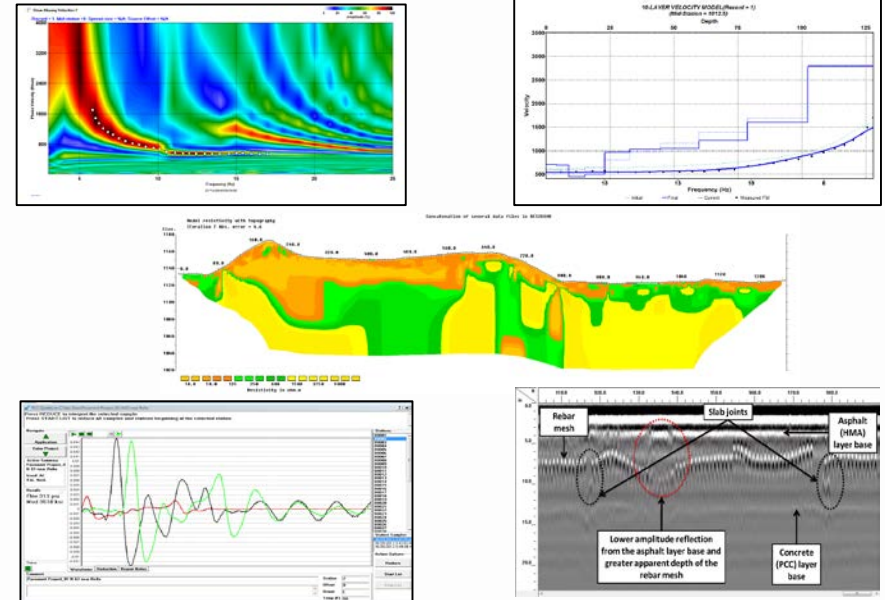
- Assessing condition of bridge decks and pavements

## Earthquake Engineering

- Determining in-situ engineering properties of soil/rock

## Mapping Landfills

- Locating abandoned landfills and mapping existing landfills



**Engineering applications of Geophysics**

**PoC: Neil Anderson**, Professor,  
nanders@mst.edu, 573 341 4852



## Funding

- Missouri Department of Transportation and other State Entities
- Engineering Firms in Missouri and Adjacent States
- Missouri Municipalities

## Keywords

Ground penetrating radar, multi-channel analyses of surface waves, electrical resistivity tomography, induced polarization, spontaneous potential, metal detectors, side-scan sonar, echo sounding, sub-bottom profiling,

## Recognitions

- Numerous Faculty Excellence Awards
- Numerous Outstanding Teaching Awards