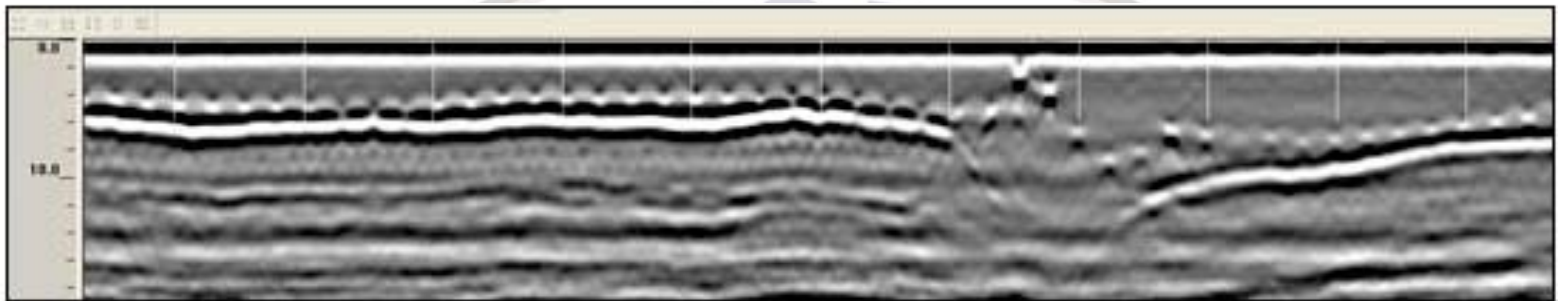




Construction Solutions

Ground Penetrating Radar & Engineer Consulting

Locating Voids & Sinkholes



Customer's Challenge:

A sinking parking lot or a office complex with settling floors and doors that don't close are indicators that you have voids underneath the ground.

- What extent of voiding is occurring underground?
- Where to direct injection to raise floors?
- Are vehicles safe to drive or park in area?
- Voids around concrete pipes?
- Karst Environment?

Our Solution:

Using Ground Penetrating Radar, or GPR for short, the ability to pinpoint the extent of voids under concrete or extent of sinkholes has never been more precise.

- Identify location of voids under concrete
- Locate utilities prior to injecting material
- Determine sinkhole limits
- Locate poorly compacted soils

Ground Penetrating Radar Applications:

Concrete Locates:

- Rebar
- Tension Cables
- Conduits
- Voids
- Delaminations
- Depth of Cover Analysis

Environmental Locates:

- Utilities
- Underground Storage Tanks
- Voids/Sinkholes
- Unmarked Graves
- Water Leaks
- Soil Layer Mapping

Transportation Uses

- Bridge Deck Corrosion
- Railroad Ballast Fouling
- Asphalt Overlay Thickness
- Pavement Thickness