



Construction Solutions

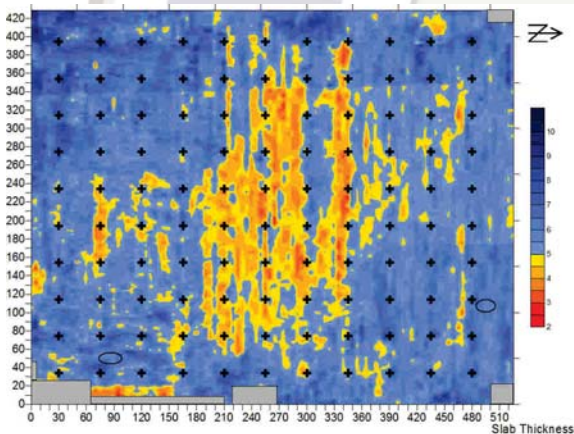
Ground Penetrating Radar & Engineer Consulting

GPR Inspections

Inspections, Investigations, Site Assessments

Ground Penetrating Radar can be used to perform inspections when not properly performed on a job site. The ability to “look” into concrete or other mediums can save the contractor when inspections were not performed.

- Locate Rebar
- Perform Depth of Cover surveys
- Locate concrete pipe weights
- Phase II Environmental Site Assessments
- Cell phone Tower Base analysis
- Steel Reinforcement Corrosion



Customer's Challenge:

The purchase of a new building or remodel of an existing building can pose problems when you don't know how it was built.

- How much rebar is in a concrete structure?
- Is the concrete thick enough to support machinery?
- Is an Underground Storage Tank still present on property?
- Is the steel in a bridge deck corroded?

Our Solution:

Ground Penetrating Radar, or GPR for short, accurately images rebar within concrete.

- No Radiation so no evacuation perimeters
- One side access
- Instant results, no developing x-ray films
- Approximately 5 minutes per hole
- Faster coredrilling by avoiding cutting rebar

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