



# Construction Solutions

Ground Penetrating Radar & Engineer Consulting

## Road n' Rail Inspections

The new standard of inspection lies in Ground Penetrating Radar. AASHTO Bridge & Highway Grand Challenges:

- Improve Credibility of current inspection
- Improve Uniformity of data
- Assess Long-Term Performance



Proper Railroad Ballast maintenance is essential for proper draining. Inspections are limited to visual inspections.

- Continuous monitoring of ballast fouling
- Non-Destructive inspections

## Customer's Challenge:



## Our Solution:

### 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