

*something  
different*

# IGS News

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## Geotechnical Services

CPT & Piezocone

Dilatometer

Seismic Dilatometer

Vane Shear

Tee-Bar

Piston & Eziprobe Sampling

PPI Piston Sampling

Piezometer Installation

In Situ Permeability



## *Subgrade Testing & Sampling*

*a successful trial to test & sample "tough stuff"*



We have recently completed a trial, of testing and sampling a railway formation.

DMT was used to determine soil type, strength, modulus, etc.

Window sampling was used to take continuous samples right through the ballast and sub-ballast layers .

*the photos below show the trial was successful*



We took continuous samples to 2m depth - we could easily have gone deeper.

The DMT penetrated through ballast and below. We tested from immediately below the ballast.

Vibratory impact was used to drive in, and the rig hydraulics to extract.

*nice big samples for logging & lab  
in situ parameters for design*

*it makes  
sense to  
us at IGS*

## *reducing geotechnical uncertainty*