IGS News

news

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Geotechnical Services

CPT & Piezocone

Dilatometer

Seismic Dilatometer

Vane Shear

Tee-Bar

Piston & Eziprobe Sampling

Piezometer Installation

In Situ Permeability

Field Fleet ("the girls")

Esme – 10-20t all-terrain

Beryl – 15t 4 wheel drive

Eunice – 20t 6x4 bogey

Baby Jayne – 15t portable

- *A dilapidated bridge with disintegrating piles.*
- *Load restriction prohibiting normal rig access.*
- *A site investigation is required for a new bridge?*
- *How best to do this?*

one of the bridge piles

The bridge, crossing to a river & creek bound island, had access from only one side. Nothing heavy was permitted to cross or work on the centre of the bridge.

Our multi-purpose rig Baby Jayne, trailer-mounted, was light enough to cross. She was then water-ballasted once set up at abutment locations near each end of the bridge. We ballasted with water we pumped from, then returned to, the creek.

We used Minnie, jacked up in the creek, for CPTs at two new bridge pier locations.

one of the new bridge abutments

Baby Jayne, trailer-mounted with water ballast, was able to test to 80+kN push force

The whole project took only two rig-days of site testing.

Minnie jacked-up in the creek at a new bridge pier location

We applaud Regional Geotechnical Solutions for their initiative with this job and we thank their client Port Macquarie - Hastings Council for permission to make this newsletter.

reducing geotechnical uncertainty

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