



Pile recording

A NEW MODEL OF THE PILE INSTALLATION RECORDER (PIR)

– for monitoring installation of augered cast-in-place, continuous flight auger and drilled displacement piles – has been launched by Pile Dynamics Inc (PDI).

It said it had kept all the features that make the PIR compliant with the Geotechnical Circular number 8 from the US Federal Highway Administration (FHWA GEC 8), while introducing several improvements.

The new PIR displays the incremental grout volume and other variables that are essential for QA/QC on a much more visible screen – it is larger, in colour, sunlight readable and back lit.

A red/green indicator makes it easier for the operator of the drilling rig to maintain the target auger withdrawal rate. The grout volume data comes from a magnetic flow meter and depth readings from a depth measurement unit that is now wireless and much smaller and lighter.

Auger rotation data is also sent to the PIR via a wireless transmitter. The absence of cables makes installation quicker and simpler. Data retrieval from the PIR is via USB memory stick. The PIR still maintains the ability to print an installation record in the field.