Deep analysis
Tablet-thin device aids dynamic load testing

The Pile Driving Analyzer (PDA) model 8G is the culmination of Pile Dynamics’ complete redesign of the widely employed system for dynamic load tests of deep foundations.

These tests, normalized by ASTM D4945, are specified by multiple state DOTs for monitoring and load testing of bridge foundations. The tests are conducted during pile driving or, for non-driven piles, during the impact of a substantial drop weight. PDA systems use measurements obtained by sensors attached to the pile to calculate capacity and other important quantities.

The tablet-like PDA-8G is thin, light and responds to gesture controls like swiping and pinch-to-zoom. It is much faster than previous models, better suited to test piles driven by hydraulic hammers with high blow rates, and has new features for testing drilled shafts. The PDA-S software includes extensive help and output customization and two real-time capacity calculation methods. A new version of the well-respected data analysis CAPWAP software also is being released, and a license is included with the PDA-8G. CAPWAP simulates static load tests. The PDA-8G offers the tester the option of being on location or of using SiteLink technology to have test data transmitted in real time to an office. R&B

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