Embedded Strain Gage

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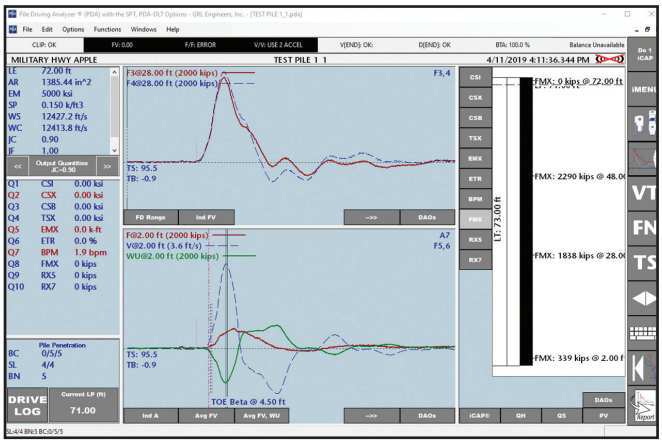
High strain dynamic load tests typically collect data using a strain gage at the top of the pile or shaft. The data collected from these tests offers estimated shaft toe resistance. PDI's Embedded Strain Gage offers data collection at the bottom of the shaft to see toe resistance measurements. With top of shaft and toe data collection, a refined assessment of full shaft resistance can be offered.

In non-uniform shafts, cost savings can be realized with quantifiable shaft toe resistance data. In instances where the shaft length exceeds what is needed for appropriate resistance strength, the quantifiable data can be used to determine an appropriate length for the drilled shafts.

Advantages Include:

- Quanifiable data at the pile toe
- Increased knowledge of resistance distribution
- Higher confidence in load distribution
- Cost savings when dynamic load tests are offered in place of static load tests



iCap® results using an embedded strain gage

Pile Dynamics, Inc. (PDI) is the world leader in developing, manufacturing and supplying state of the art QA/QC products and systems for the deep foundations industry. The company is headquartered in Cleveland, Ohio, USA, with offices and representatives worldwide. For additional information visit us at www.pile.com or contact info@pile.com.

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