



Dynamic Pile Testing

WBE certified company

Deep foundation systems comprised of driven piles typically require load testing to verify the ultimate bearing capacity. Traditional static load tests are time consuming and expensive, limiting the number of piles or shafts that can be tested on a project.

Dynamic Pile Testing (DPT) was developed in response to the needs of the market for an economical and comprehensive method to analyze driven piles.

DPT Provides

Timely decisions - Dynamic pile testing can be performed on several piles in one day. Bearing capacity estimates can be provided at the time of testing, minimizing delays and reducing costs, which aids in timely project completion. Delays and the expense of static testing are leading reasons why dynamic testing is often a replacement for or supplement to static testing.

Hammer efficiencies - Transferred hammer energy is measured during driving to confirm adequate and consistent hammer performance for improved quality control.

Driving stresses - During driving, compression and tension stresses are measured in the pile to determine if driving stresses are below the specified limits and if driving adjustments are warranted.

Pile integrity - Detects the extent and location of pile damage and identifies potential problems related to the pile hammer or soil conditions.

ATL Services

Our qualified Engineers can provide the following deep foundation services:

- ♦ Dynamic Pile Testing (DPT) utilizing the Pile Driving Analyzer®.
- ♦ Testing in general accordance with ASTM D 4945 entitles “Standard Test Method for High Strain Dynamic Testing of Piles”.
- ♦ Wave equation analysis, utilizing GRLWEAP® prior to pile driving activities.
- ♦ Perform CAPWAP® analysis on collected data to verify field bearing capacity estimates.



Why ATL?

ATL has a long history of being responsive to meeting the field schedules of pile driving contractors.

Our certified Engineers have been performing DPT services since 2003, and have dynamically tested thousands of piles on hundreds of projects.

Our staff of qualified Engineers have extensive experience with the many types of piles in various field conditions throughout New England, New York, and Pennsylvania., thus providing a better understanding of project conditions



*To Request a Quote or
For More Information*

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