

# Robert Miner Dynamic Testing, Inc.

Dynamic Measurements and Analyses for Deep Foundations

## Hammer and Pile Data Sheet

The information requested in this form will assist RMDT in performance of wave equation analyses addressing aspects of hammer approval and pile driveability. Missing information may cause delays in the completion of a wave equation analysis.

### Project Information

Project Title: \_\_\_\_\_

Location: \_\_\_\_\_

### Hammer Information:

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

Type: \_\_\_\_\_

Rated Energy: \_\_\_\_\_ (kip-ft, kJ)

Ram Weight: \_\_\_\_\_ (kip, kN)

Max Stroke: \_\_\_\_\_ (ft, m)

### Drive System Information:

Striker Plate Weight: \_\_\_\_\_ (kip, kN)

Hammer Cushion Properties

Material: \_\_\_\_\_

Total Thickness: \_\_\_\_\_ (in, mm)

Cross Sectional Area: \_\_\_\_\_ (in<sup>2</sup>, cm<sup>2</sup>)

Elastic Modulus (E): \_\_\_\_\_ (ksi, mPa)

Coefficient of Restitution: \_\_\_\_\_

Helmet Weight: \_\_\_\_\_ (kip, kN)

Pile Insert Weight: \_\_\_\_\_ (kip, kN)

Pile Cushion Properties (if applicable)

Material: \_\_\_\_\_

Total Thickness: \_\_\_\_\_ (in, mm)

Cross Sectional Area: \_\_\_\_\_ (in<sup>2</sup>, cm<sup>2</sup>)

### Pile Information:

Pile Material: \_\_\_\_\_

Material Specification/Grade: \_\_\_\_\_

Pile Dimensions

Diameter: \_\_\_\_\_ (in, mm)

Wall Thickness: \_\_\_\_\_ (in, mm)

Driven open/closed: \_\_\_\_\_

Estimated Final Driven Length: \_\_\_\_\_ (ft, m)

Estimated Final Embedment: \_\_\_\_\_ (ft, m)

Required Soil Resistance

Allowable (Service): \_\_\_\_\_ (kip, kN)

Ultimate (Nominal): \_\_\_\_\_ (kip, kN)

In addition to the information above, we request the project drawings and project special specifications pertaining to foundation design and construction; especially any addressing requirements for pile installation and hammer approval. We also request any site specific geotechnical information you have.

If there are any questions regarding the information requested above, please do not hesitate to contact us. We always enjoy a good discussion!