Supplementing our geotechnical engineering expertise, TRC offers a unique set of skills that is fully capable of implementing the latest advancements in Pile Dynamic Analysis (PDA) testing. With 20 years of test methodology and test plan development experience, we can quickly interpret and implement a comprehensive and realistic PDA test sequence that fully meets a project’s requirements.

Once deployed in the field, TRC staff quickly obtain the driving profile as a function of the depth penetrated versus the blow count. Our staff will then provide a summary of measured stresses, hammer efficiency and pile capacity. A final review of the measured pile parameters versus the predicted Wave Equation Analysis of Piles (WEAP) values is then performed for your field team so that fast and reliable pile driving correlations can be determined in ‘real-time’. Once the field test data is obtained, it is modeled in CAPWAP to produce a comprehensive drive and measured stress summary that ensures pile integrity.

Additionally, TRC offers preconstruction WEAP to satisfy your project’s pile driving needs. Through implementation of the WEAP analysis program, TRC staff can provide guidance and sound geotechnical predictions regarding the ‘drivability’ of your pile/hammer/soil system. We can also provide predictions of pile static compressive capacity using the DRIVEN program and lateral pile capacity using the L-Pile program.
Why TRC?

• Dependable service and results supported with expert geotechnical guidance.
• Fast response to support your project schedule.

For more information, please contact:
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