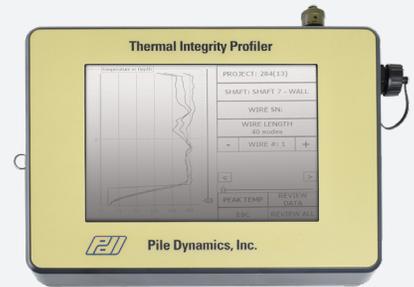
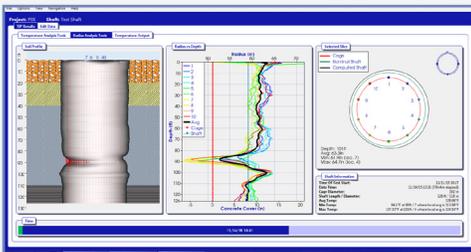


TIP™ testing evaluates the entire cross-section and the entire length of the deep foundation element measuring heat generated by hydrating cement to assess the quality of drilled shafts/bored piles, augered cast in place (ACIP)/continuous flight auger (CFA), drilled displacement piles, slurry walls, barrettes, soil nails, and jet grouted columns.



Conforms with ASTM D7949

- ✓ Evaluates concrete quality inside and outside the cage
- ✓ Accelerates construction with tests conducted during initial concrete curing
- ✓ Reveals necking or inclusions, bulges, and concrete cover variations
- ✓ Thermal Wire® cables can replace access tubes
- ✓ All Thermal Wire Cable temperature sensors are NIST traceable



### TIP Reporter Software:

- Displays measured temperatures vs depth to identify areas of concern
- Profiling data illustrated by mapped cross sections of the shaft
- Estimates concrete cover along length of shaft
- 3-D visualizations of the pile's shape against a soil profile

### PDI's Atlas Secure Cloud Services

- Data can be sent from the site to the office for review via a secure Cloud server
- Allows the engineer, designer, and contractor to evaluate data from any location
- Saves construction time and money with earlier shaft evaluation

