



AFT-Cell® Bi-Directional Load Testing

Introduction:

Applied Foundation Testing is proud to offer the AFT-Cell® for Bi-Directional static load testing of deep foundations. Its design is based on over 25 years of AFT's deep foundation load testing experience.

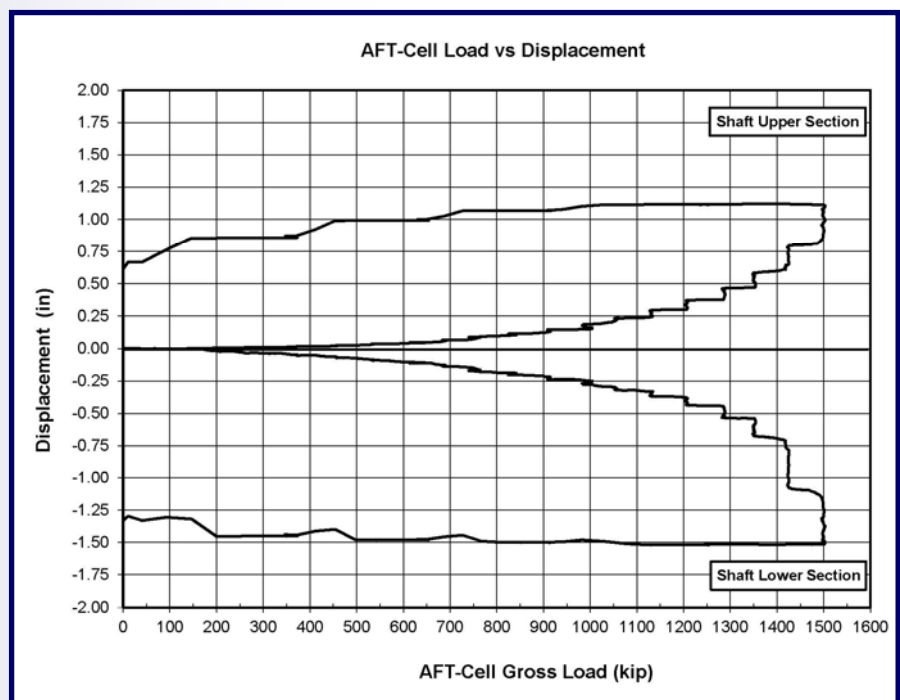
AFT's mission is to provide our clients with the best solution to their foundation testing needs. We are the only firm that offers all load testing methods under a single source. Whether a Bi-Directional (AFT-Cell®), conventional Static (ASTM D1143), Statnamic (ASTM D7383) or Dynamic (ASTM D4945) test, AFT will bring our expertise in load testing to you and your project.



Dependable Results:

During each test program, AFT Engineers collect high quality data from a multitude of state-of-the-art instruments using our proprietary testing and analysis software and hardware. Thousands of data points from each AFT-Cell® test are analyzed by our team of engineers to develop results that give our clients the confidence they need to keep a competitive edge:

- Load and displacement
- Load distribution
- Segmental unit side shear (tz curves)
- Unit end bearing (qz curve)
- Equivalent top load-displacement
- Creep limit



Applied Foundation Testing



AFT-Cell® Bi-Directional Load Testing

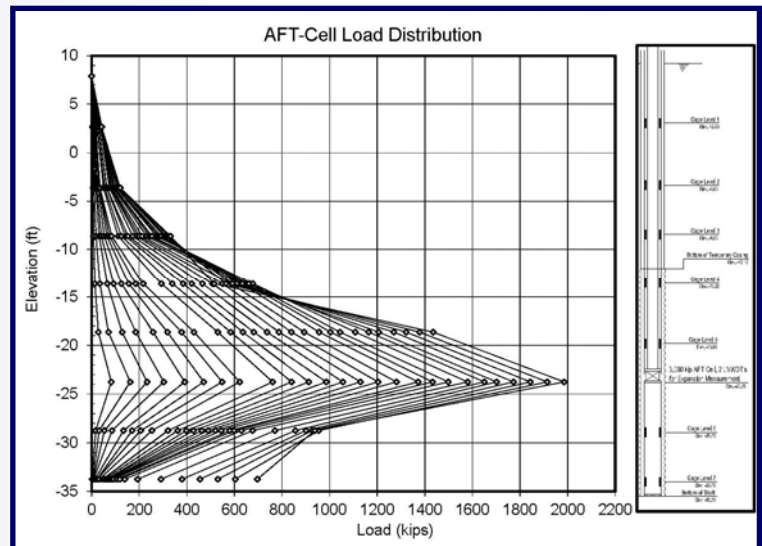
Segmental Strain Analysis is accomplished with embedded strain gages and made more robust with the use of Thermal Integrity Profiling (TIP) to develop shaft shape with the inherent benefit of shaft integrity assessment.

To complete the circle, AFT offers Mini-SID inspection services to assure each shaft is up to its full end bearing potential.

AFT-Cell® Design:

The AFT-Cell® is a high pressure hydraulic jack installed on the rebar cage and embedded into the foundation under test. The shaft above and below the AFT-Cell provides reaction for loading. The hydraulic working fluid is water for simplicity and environmental safety. If used in production foundations, the AFT-Cell® is easily grouted after test completion.

- Multiple sizes and capacities available
- Standard 10 inch stroke
- Operating pressures 10,000-15,000 psi
- **Each AFT-Cell® is proudly made in the USA and calibrated in-house for quality and reliability**



1500 Ton AFT-Cell® shown above

Contact **APPLIED FOUNDATION TESTING** for further information

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