

PART 1 - GENERAL

1.1 MEASUREMENT PROCEDURES

- .1 Measure pile tests by number of piles tested.
- .2 Unit price is to include supply and removal of all apparatus and equipment required for testing procedure, costs for specialist required for testing and cost of temporary protective structures and lighting.

1.2 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
 - .1 ASTM D1143/D1143M-07e1, Standard Test Methods for Deep Foundations Under Static Axial Compressive Load.

1.3 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00.
- .2 Submit 2 weeks before testing, outline of test method to be employed as specified and include drawings showing details of test set up.
- .3 Quality assurance submittals:
 - .1 Test reports: submit 3 copies of compression pile test reports for piles from approved independent testing laboratories, indicating compliance with specifications for specified performance characteristics and physical properties.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Not Used.

PART 3 - EXECUTION

3.1 GENERAL

- .1 Load capacity of pile for factored load is indicated on the drawings.

3.1 GENERAL
(Cont'd)

- .2 (Cont'd)
 - .1 Include drawings showing details of test set up.
- .3 Supply and erect equipment and temporary structures necessary for making tests.
- .4 Departmental Representative to select piles for testing at beginning of Work.
- .5 Test to be performed in presence of Departmental Representative.
- .6 Provide shelter, enclosures and lighting for observation, testing and recording of data.

3.2 TESTING

- .1 Do compression pile tests and prepare reports in accordance with ASTM D1143/D1143 except as specified.
- .2 Maintain ground water at relatively constant elevation.
- .3 Remove apparatus and equipment on completion of test.
 - .1 Redrive and cut off anchor piles as directed by Departmental Representative.
- .4 Provide copies of test report as stipulated in ASTM D1143/D1143M.
 - .1 Include particulars relative to lateral movement to accuracy stipulated in ASTM D1143/D1143M.

3.3 TEST EVALUATION

- .1 Qualified geotechnical engineer to interpret results for predicting pile performance and capacity.

3.4 CLEANING

- .1 Proceed in accordance with Section 01 74 11.
- .2 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.