

701-B-189 PDA TESTING ON LOCAL PUBLIC AGENCY CONTRACTS

(Adopted 05-15-14)

The Standard Specifications are revised as follows:

SECTION 701, BEGIN LINE 376, DELETE AS FOLLOWS:

(b) Dynamic Pile Load Test

Dynamic monitoring will be performed for the purpose of obtaining the nominal driving resistance, pile driving stresses, pile integrity, and pile driving system performance. Dynamic monitoring will be conducted by PDA in accordance with ASTM D 4945. PDA will be performed on the first pile driven. The length of the pile used in the dynamic pile load test shall be a minimum of 10 ft greater than the estimated length of production piles in order to provide for variation in soil conditions. The Contractor shall assist the Department in obtaining dynamic measurements with the PDA during initial pile driving and during pile restrikes. If a static load test is required, the dynamic pile load test shall be performed on the same pile as the pile used in the static load test. The restrike for the dynamic pile load test on a static load test pile shall be performed within 48 h of completion of the static load test. ~~If the contract is a local public agency contract, the Contractor shall perform the pile driving analysis in accordance with ASTM D 4945.~~

SECTION 701, AFTER LINE 443, INSERT AS FOLLOWS:

4. PDA on Local Public Agency Contract

The Contractor shall perform the PDA in accordance with ASTM D 4945. The firm conducting the PDA shall have at least one geotechnical engineer who shall have achieved one of the following certification levels: intermediate, advanced, master, or expert, within the last three years through the Dynamic Measurement and Analyses Proficiency Test conducted by Pile Dynamics, Inc., and the Pile Driving Contractors Association. An engineer with a lower certification level can provide services so long as this individual is under the direct supervision of an engineer with intermediate certification level or higher. The Case Pile Wave Analysis Program, CAPWAP, shall be utilized to determine the as-built pile capacity from the PDA data. The first pile driven for each substructure unit shall be a PDA test pile. The pile driving criteria with the PDA and CAPWAP results shall be submitted to the Department's Office of Geotechnical Services for approval.
