

*LA 1 Statnamic Pile Test –  
A first for DOTD’s highways!*



A **Statnamic Test** set-up prior to running the load test on a 54” pile near the new alignment. The blue weights inside the black guide frame are the reaction mass for the test.

*Click the photo for video of the test*

**Statnamic testing** is an electronic explosive method used to measure pile capacity, combining “static” and “dynamic” loading. An explosive charge is positioned over a pile, and a reaction mass is positioned over the charge. The explosion is contained so that it pushes the reaction mass up and the pile downward. When the explosion occurs it produces a “controlled-duration” pulse, and the stress wave in the pile is measured along with the pile’s reaction to it. Records of force and acceleration during the testing are analyzed to measure the pile’s behavior. The LA 1 test is shown in the photo and video at right.

