

CENTRAL EASTERN EUROPE



## Pile load testing

MAIN CONTRACTOR UVATERV RT HAS USED PILE DYNAMICS' PILE DRIVING ANALYZER to conduct pile load tests for bridge foundations along Hungary's M7 and M9 motorways. The section of the M7 highway stretching from Ordacsehi to Balatonkeresztúr includes more than 50 new bridges. In 2004 Dynatest performed dynamic load tests on piles on 16 of them, and calibrated seven of the tests with static load tests on the same piles. These were cylindrical concrete piles manufactured by Folyami Hídalapozó Kft., with diameters of 800 and 1000 mm. A steel pipe was placed on the top of the pile and the concrete pile was extended to the top of the steel pipe. Strain transducers and accelerometers were mounted on two opposite sides of the pile through "windows" on the steel pipe (inset picture). A 100 kN drop weight was used to impact the pile head from 2 to 2,5 m drop height. The load was lifted and released by a hydraulic jack.