

## Olszewskiego street

Kielce

Construction of extension of Olszewskiego Street in Kielce towards the intersection of Zagnańska and Witosa Streets. The project will improve public transport for residents through the construction of a new section of the road with a traffic circle intersection, construction of a viaduct with sidewalks and bike paths.



### The project

GEO-Instruments Polska has designed and executed a comprehensive programme of load testing of deep foundations made in the technology of driven prefabricated piles with cross-section 400x400 mm.

### The challenge

Verification of design assumptions for the performed foundation of the viaduct over the railroad line no. 8 within the extension of Olszewskiego street in Kielce.

## The solution

We performed 6 static test loads and 6 dynamic test loads. Interpretation of the obtained results of the loads allowed us to perform an analysis of compliance with the ultimate limit state according to PN-83/B-02482, and thus confirm the correctness of the adopted design assumptions.

## Project facts

### Owner(s)

Commune Kielce

### Keller business unit(s)

GEO-Instruments Polska

### Main contractor(s)

STRABAG Sp. z o.o.

### Engineer(s)

Marta Szczepańska - Asystentka Projektanta  
Marek Zych - Inżynier Budowy

### Services

Deep foundations testing

### Markets

Infrastructure

### Technologies

Deep foundation load tests