

## STRUCTURAL HEALTH MONITORING SYSTEM OF A CONCRETE CABLE-STAYED BRIDGE

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### Abstract

**In this paper a system of the Rędziński bridge will be described. The Rędziński bridge is the biggest object along the A8 motorway around the city of Wrocław and the biggest concrete cable-stayed bridge in Poland. For the purposes of the bridge monitoring a system of 222 sensors was installed. Results from the first 5 years of work of the SHM will be presented below.**

**Keywords: Bridges; Structural health monitoring; Durability assessment; Maintenance.**