Description of realized project:

Stress tests of Výtoň Bridge (Prague).

Customer
ČVÚT Praha

Implementation
2020/11

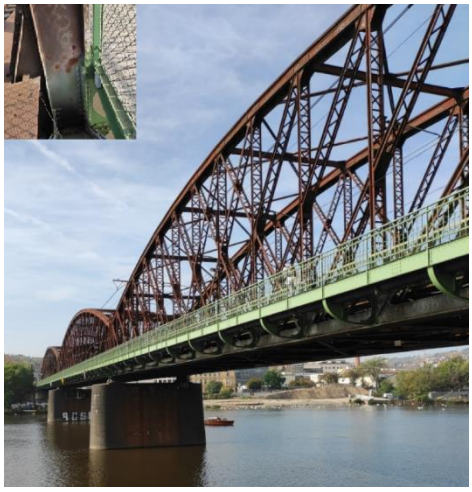
Constant and dynamic loading tests at important Prague communication – Výtoň Bridge were implemented on November 20, 2020. We were invited by doc. Ing. Pavel Ryjáček to cooperate in this technically and time consuming action.

Tests were executed together with ČVUT and other subjects by using of several technologies during night hours. Strain gauges, accelerometers, inclination sensors, geodetic lasers and acoustic emision meters were used. Two locomotives Škoda 363-ESO (87 tons each) were traveling on the bridge according to prepared schedule.

Results will be compared to 3D final elements method of bridge model.

Our solution:

Two wireless accelerometer sensors (g measurements) were attached to the bridge for long term monitoring. Ten inclination sensors were attached to each arch of the bridge for purpose of this stress measurements.



Advantages of this solution:

- **Simple mounting (magnets)**
- **Low operating costs**
- **Online data diagrams**
- **Express evaluation**

Ask for more information about this project and our cooperation - info@statotest.com

Your team STATOTEST

Motto: No other building collapse!

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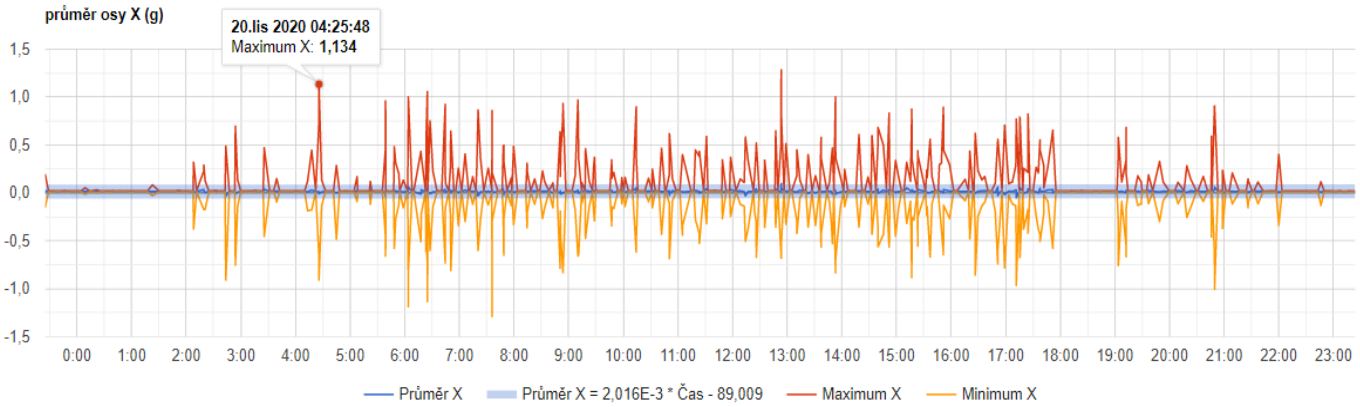
Daily chart x axis.



Long term record of train passing - five days chart

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