

Mersey Bridge - an unique multi-span cable stayed bridge

Dienstag, 22. Oktober 2019

17:00 Uhr

Auditorium HIL E 1 (Lehrgebäude Bauwesen)
ETH Zürich, Hönggerberg, 8093 Zürich

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Mersey Bridge

Mersey Bridge is a continuous structure 2248 m long without intermediate expansion joints. The central section (around 1000 m) is a 4 spans cable stayed structure. The Mersey estuary has two main flow channels located at the edges of the river bed. For environment conditions the two lateral pylons are outside of those channels. The location of the central pylon was also limited due to environmental conditions. As a result of these conditions, the central section of the bridge has 4 spans (181 m, 294 m, 318 m and 205 m length) and 3 masts of different height. The layout of the bridge is completely unusual and governed by the site constraints and the construction system. The bridge has become a reference in the landscape of northwest England.

Anschliessend an den Vortrag ist ein gemeinsames Nachtessen mit dem Referenten im Restaurant Die Waid, Waidbadstrasse 45, 8037 Zürich vorgesehen.

Nächster Vortrag: Dienstag, 26. November 2019, 17:00 Uhr, HIL E 1
Stefan Nievergelt und Matthias Siemon, Gruner Wepf AG, Zürich
"Um- und Neubau Mettler Toledo, Nänikon"