

## HAUSMANN'S BRIDGE – OSLO – NORWAY

The Hausmann's bridge goes over the Aker River in Oslo center. The bridge is an extension of Hausmanns street until the intersection Lakke-gata and Nylands-veien and connects the districts Vaterland and Greenland. It was named after Hausmanns gate, which in turn is named after Lieutenant General Frederick Ferdinand Hausmann (1693-1757).



Hausmann Bridge in 1961

The bridge was built in 1892 by the Christiania Municipal Road Administration, in cast iron with detailed decorations. The bridge was rebuilt (extended double-wide) in 1982. The new bridge was completed in similar style as the original, including copies of original details in cast iron construction and the old railing was retained.



Before renovation

By 2014, the bridge was showing signs of corrosion, and it has been listed by the **SVV (Road Authorities)** for renovation. As with other road bridges, the ironwork has to be protected from aggressive attack from chlorides that are present each winter with salt-gritting of the roads, sulphurous emissions from vehicles that produce acidic residues via condensation and rain, hot and cold conditions that create thermal expansion in the hot summer months and freezing water that can expand inside any micro-cracking on the surface of the iron in the winter months.



Before renovation



Before renovation

In November 2014, **ZINGA** was applied on the Hausmann's Bridge, followed by a complete Zingametall system of **ZINGALUFER** and **ZINGACERAM PU** in an original white colour.



Surface preparation:  
Blasting to SA 2.5

System:

ZINGA	80 µm DFT
ZINGALUFER	140 µm DFT
ZINGACERAM PU	80 µm DFT