

## Kings Bridge bearings – TRAFIKVÄRKET – Fagersta, SWEDEN

The purpose for this project was to do a test for **Trafikverket (The Swedish Road Authorities)** to show them the performance of **ZINGA** for rehabilitation of different complicated structures. In this case 4 bridge bearings of the **Kungsbron (Kings Bridge)** in Fagersta, a municipality in the North of the **STORA ASPEN Lake**.

A bridge bearing is a component of a bridge which typically provides a resting surface between bridge piers and the bridge deck. The purpose of a bearing is to allow controlled movement and thereby reduce the stresses involved.

The work was carried out by **Plast & Målningsteknik AB** in November 2016 with the technical assistance of **Mr. Björn STAM** of **ProChroma AB**.



Before cleaning  
and blasting



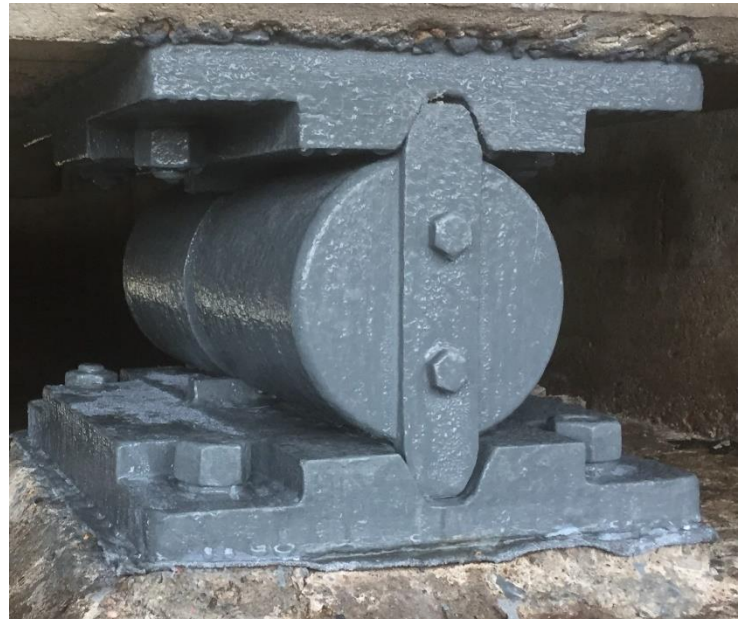
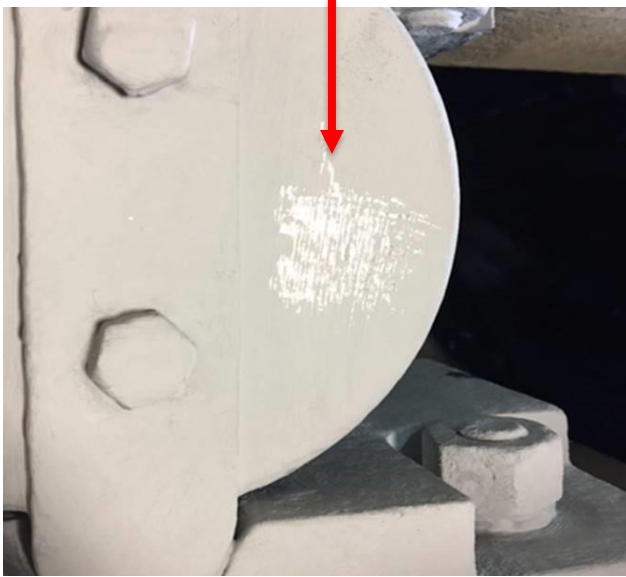
After cleaning  
and blasting



After  
application  
of **ZINGA**  
180 µm DFT



After application of **ZINGA**.  
This picture shows the shiny metallic zinc  
after a coin rub test was performed.



### System:

Surface preparation:  
High pressure cleaning 180 bar  
Gritblasting to degree SA 2.5  
ZINGA 3 x 60 µm DFT by brush

An inspection was carried out **2 years after the original application**, in October 2018, showing the **ZINGA** in perfect condition !



The Kungsbron (Kings bridge)  
in Fagersta