

## MOLISSON STREET BRIDGE – AUSTRALIA

The **Molisson Street Bridge** is in Kyneton, Northern Victoria, Australia and has served the past 100 years for traffic over the Compaspe River.

It is the first steel bridge structure protected with **ZINGA** for **VicRoads Design**.

In the last decade it was showing rapid deterioration caused by corrosion.

Therefore it was decided to treat this bridge in May 2007.

The old coating had to be removed completely because of this rapid advancement of corrosion.



Site inspection in May 2007.  
(before **ZINGA** application)  
Note the increased beam corrosion.

Typical view of **ZINGA** coated steelwork.  
All rivets, edges and bolts were stripe coated.

Site Visit:  
ZINGA supplier + Contractor Technical Support



Photo Shows ZINGA "Film Galvanising".  
Scratched with a coin to show the  
pure active zinc exposed.



### System:

ZINGA	1 x 80 µm DFT
ZINGALUFER	1 x 80 µm DFT
Alufer WR Alu	1 x 80 µm DFT

As previous coating system was lead based,  
the complete bridge had to be encapsulated.

The ZINGA Coating system used on this bridge will provide exceptional long term protection for this "National Heritage" structure, including excellent UV resistance and weathering properties. The distinct advantage of using ZINGA as primer coat is that in many years to come the high volume of 96% pure zinc content of ZINGA will extend the service life by some 30 years.

All steel bridges flex. When using this ZINGA system, the coating will never become brittle and will remain flexible throughout the service life of the coating system, thus preventing possible coating failures.



After ZINGA application