

MOLISSON STREET BRIDGE- AUSTRALIA

The Molisson Street Bridge is situated 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 treated 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 May 2007.
Note the increased beam corrosion.**



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



Site Visit: Supplier – Contractor Technical Support



Photo Shows ZINGA “Liquid Galvanising”.
Scratched with coin.
Note: the pure zinc exposed.



System:

ZINGA	1 x 80 µm
Alufer N	1 x 80 µm
Alufer WR Alu	1 x 80 µm

As this coating 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 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 pure zinc content of ZINGA will extend the service life by some 30+ years.

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

