

OBJECTIVE: To demonstrate the life cycle costing of Goldseal anticorrosive coating in a severe Marine situation unwashed by natural rainfall.

BACKGROUND: In January of 1996 the Buller District Council accepted a tender for Canterbury Goldseal to coat 3 bridges on the West Coast of the South Island of New Zealand between Bulla and Karamea.

The Captains Creek , Mossey Burn and Oparara bridges are part of the National Highway system , facing the prevailing South Westerly weather patterns ,only 50 meters from the Tasman Sea

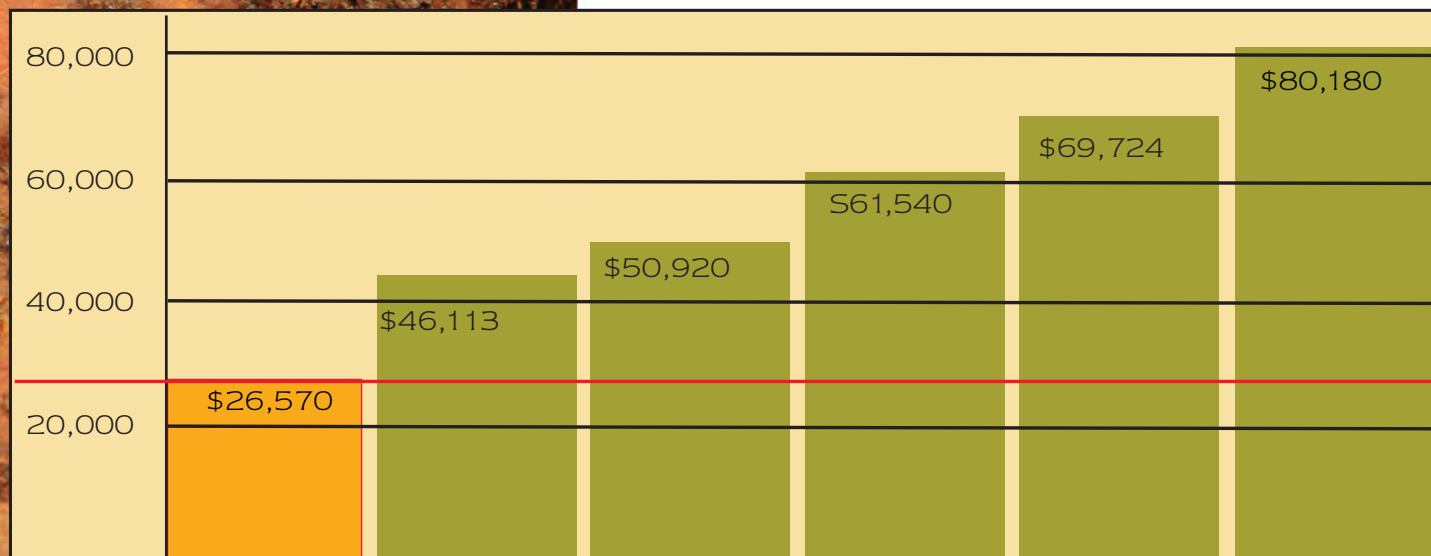
COMMERCIAL INFORMATION: The attached contract document 96/bd/1 was let in Jan 1996 and coated in February of that year

Canterbury Goldseal was the successful tender at \$26570 for the above 3 bridges

There were 5 unsuccessful tenders ranging from \$46113 to \$80180 for the same 3 bridges

At this time Goldseal Industrial Rustproofing compound had been applied commercially for over 20 years with a solid reputation for cost effective corrosion control.

Graph shows the comparative costs between tenders for three bridges in 1996. The competitive costs were for sand blasting and paint finish. Contract acceptance documents are available for inspection.



INFORMATION BULLETIN

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PERFORMANCE REVIEW IN 2010: Fourteen years after the above work was completed, Canterbury Goldseal was asked to inspect and retender for maintenance on the same 3 bridges.

After 14 full years performance Goldseal protected the steel structural I beams, with little corrosion and no loss of steel mass. The coating is losing its flexibility but will require minimal preparation before re coating. There is no cracking or peeling.

The 2010 tender for this contract has again been awarded to Canterbury Goldseal, At \$46000 the cost in 2010 is less than the lowest paint tender provided 14 years ago. This price included all additional hand rail maintenance painting.

LIFE CYCLE COSTING: The Mossey Burn Bridge coated in Goldseal in 1996 cost \$2960 and has resulted in a 14 year service life with no maintenance. (Average cost is \$211 pa over 14 years)

To recoat this bridge in 2010 will cost \$4960 or an average cost of \$354 pa over the next 14 years.

In 1996 the total cost of the 3 bridges coated in Goldseal was \$26570 (average cost was \$1897 pa) vs the next lowest paint tender of \$46113 (average cost \$3293 pa) and the highest paint tender in 1996 was \$80,180. (average cost \$5727 pa.)

ADDING VALUE: Goldseal is manufactured and applied by Goldseal Group Licensees who have delivered cost effective, reliable corrosion control for over 40 years in Australia, New Zealand and the Pacific.

With some district councils having up to 450 bridges to monitor and maintain the value and consistency of cost effective corrosion control is paramount.

In this example Goldseal has resulted in Budget savings of 40% with a longer service life than alternative coatings in a severe marine environment.



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verifies
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GOLDSEAL GROUP

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