

PEDESTRIAN & ROAD BRIDGES & BEAMS



**WILL
NOT
ROT, RUST
OR CORRODE**

WAGNERS



*Australian owned,
developed and operated*

FLYASH | CEMENT | TRANSPORT | CONTRACT CRUSHING, HAULAGE & SCREENING | MOBILE CONCRETE | PRECAST CONCRETE | EARTH FRIENDLY CONCRETE | COMPOSITE FIBRE TECHNOLOGIES | REINFORCING STEEL | PROJECT SERVICES

Wagners CFT have been designing and manufacturing innovative composite products for several years. Wagners have installed bridges at sites throughout Australia and the United States.

At a fraction of the weight of traditional building materials, composite fibres are up to six times stronger than steel or concrete. Made from polymers (plastics) and reinforced glass fibres, composite products are easy to assemble and extremely durable. Composite materials are increasingly being used in government and industry infrastructure projects to increase reliability and reduce whole of life costs.

Wagners bridges are being used in all environments and all load conditions. Wagners composite structures have been designed to suit requirements from large dump trucks to pedestrian traffic. TO date, Wagners CFT have designed bridges in accordance with Australian standards (Austroads '92 and AS5100) as well as those from overseas (AASHTO and British Standards). Wagners pedestrian structures give lightweight alternatives that not only allow easy installation but contain no materials that corrode.

In addition to complete superstructures, Wagners offer high strength beams suitable for replacement of timber beams in road bridges as a maintenance strategy. These beams can be used to replace timber girders one for one allowing aging timber assets to be utilised well past their original 'use by date' without requiring the large investment of complete replacement.

Other composite products from Wagners...

Other composite products commercially produced by Wagners include boardwalks, fishing platforms and electrical cross arms. Prototypes of additional products including semi-trailers and conveyors are currently being tested.

Timber Bridge Replacement

In October 2012 Wagners designed and supplied the largest full composite bridge refurbishment in Australasia. Spanning five full sections at a total length of 35 metres this fully supported composite structure is designed to axial loads of heavily laden Cane Trucks and Agricultural Equipment as well as the day to day access for locals living in this remote area. Set in the pristine steps of the Daintree subjected to torrential rain and flood effects a suitable solution to keeping this infrastructure open had to be found that did not upset this fragile eco system.

The light weight nature and its respective draw on less impactful light-weight equipment to erect the structure was a driving force found suitable to the risk and affordability of the project."



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