

# Charleyong Bridge Replacement



## Charleyong Bridge Reimagined with Precast Precision

The replacement of the historic Charleyong Bridge marks a significant investment in safer, more efficient infrastructure for regional New South Wales. Positioned on Main Road 92 over the Mongarlowe River, the new structure strengthens the transport link between Braidwood and Nowra via Nerriga. The project, delivered under the NSW Government's Bridges for the Bush program, replaces the original single-span timber truss bridge built in 1901. After more than a century in service, the old bridge no longer met modern safety or load requirements.

### Replacing the past, building the future

Jointly funded with \$18 million from the NSW Government and \$5 million from the Australian Government, the upgrade was designed to enhance safety, durability and freight efficiency. The new bridge offers wider lanes, smoother alignment and the structural capacity to accommodate Higher Mass Limit (HML) vehicles. As part of the works, a kilometre of sealed approach roads was constructed, addressing the region's previous challenges with unsealed surfaces and tight road geometry.

### Precast precision from a trusted manufacturer

National Precast Precaster member Ozcast was engaged to manufacture and supply 300 linear metres of precast parapets — key structural elements that contribute to the bridge's safety and form. Their role was pivotal in delivering a modern solution that aligned with both the engineering requirements and visual integrity of the bridge.

**Master Precaster**  
Ozcast

**Client**  
Transport for NSW

**Project**  
Charleyong Bridge Replacement

**Location**  
Charleyong, NSW

[www.nationalprecast.com.au](http://www.nationalprecast.com.au)



“Ozcast is a good example of the calibre of members we have at National Precast,” said CEO Sarah Bachmann. “Their work on the Charleyong Bridge showcases the benefits of engaging experienced, quality-driven manufacturers — members who add real, lasting value to Australia’s built environment.”

Production progressed smoothly under factory-controlled conditions, with Ozcast applying its rigorous quality assurance processes. However, severe bushfires in the region disrupted delivery schedules and added complexity to the on-site installation process. In response, Ozcast worked closely with the broader project team, demonstrating flexibility and a problem-solving mindset that helped keep the project on track.

### **A more sustainable way to build**

In addition to modernising infrastructure, the Charleyong Bridge project embraced sustainable practices. The timber from the original bridge was salvaged, treated and repurposed — preserving part of the region’s heritage while reducing waste.

Equally, the use of precast concrete offered environmental and practical advantages. Manufactured off-site in a controlled environment, precast minimises construction waste, improves resource efficiency and shortens time on site. Fewer truck movements, lower embodied energy, and long-term durability all contribute to reduced environmental impact.

“Precast concrete is increasingly recognised as a smart and sustainable construction method,” Ms Bachmann noted. “It supports faster delivery, safer worksites, and long-term asset resilience—all while contributing to Australia’s carbon reduction goals.”

She added: “When government agencies and contractors choose precast manufacturers like Ozcast, they’re not only getting precision and reliability, they’re also investing in solutions that reduce environmental and social risks across the project lifecycle.”

### **Delivering value through collaboration**

Despite natural setbacks, the Charleyong Bridge was completed to a high standard and now offers a modern, accessible and resilient crossing for all road users. Ozcast’s contribution exemplified its reputation for consistency, quality and collaboration... even under pressure.

“It’s these kinds of projects that highlight the value of working with National Precast members,” Ms Bachmann said. “Our members aren’t just suppliers. They’re expert partners helping shape a stronger, smarter and more sustainable built environment.”



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