

# Spirit of Progress Bridge (Australia)



## Project description

Australia's M31 motorway (also known as the Hume Highway) connects the country's two biggest cities, Sydney and Melbourne, and passes the country's capital, Canberra, on the way.

The Spirit of Progress Bridge has a special location on this important road, crossing the Murray River where it forms the border between the states of Victoria and New South Wales.

The incrementally-launched bridge was opened in 2007, but the small-movement expansion joints used in its construction (aluminium saw-tooth joints) proved problematic and too expensive to maintain, so a superior alternative was sought to replace them.

## mageba scope

To replace the existing joints, mageba supplied TENSA®GRIP single-gap ("nosing") joints.

The required products were designed and manufactured by mageba's team in Australia, and have a service life that can rightfully be expected to last many years longer, with far less maintenance required, than the expansion joints they replaced.

Despite of the product's impressive track record and the extensive testing carried out in the past to obtaining various national and international certifications, the Transport for New South Wales required independent third-party testing of the installed products in accordance with AS 5100.4.

## Highlights & facts

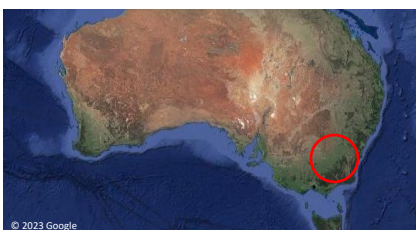
### mageba products:

Type: TENSA®GRIP RS expansion joints  
Installed: 2023

### Structure:

Region: Between the states of Victoria and New South Wales  
Country: Australia  
Length:  
Owner: TfNSW  
Contractor: TfNSW projects team  
Designer: TfNSW design team

The project is located on the Murray River where it forms the border between the states of Victoria and New South Wales



A TENSA®GRIP expansion joint during installation



Installed TENSA®GRIP expansion joint on the Spirit of Progress Bridge

