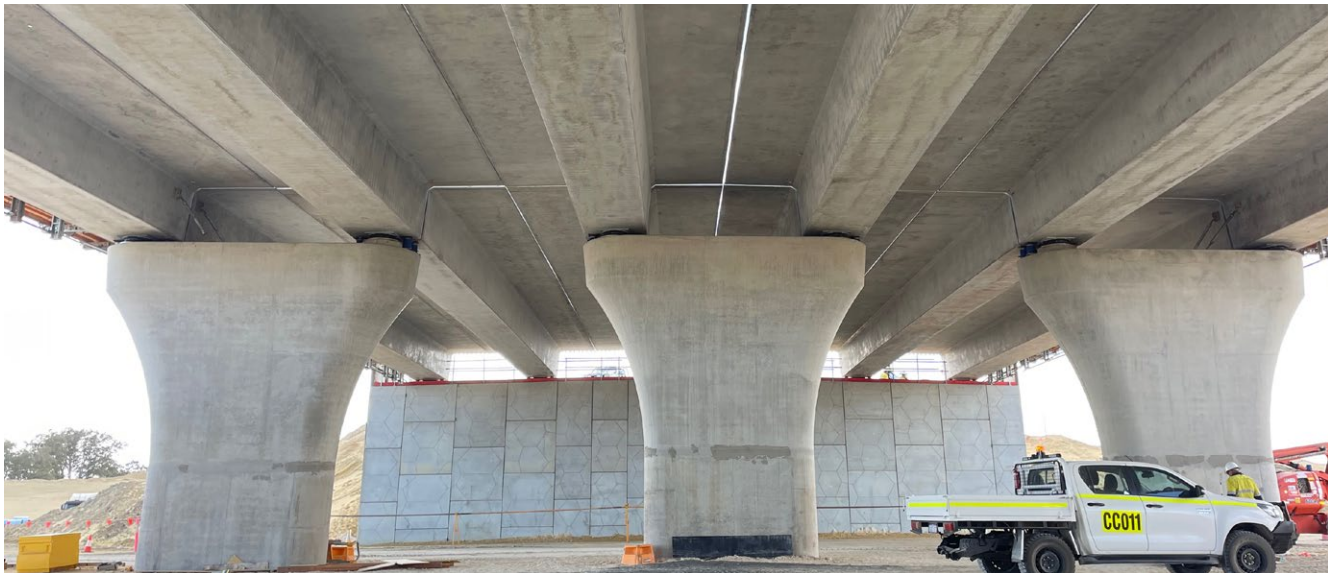
Bunbury Outer Ring Road (Australia)



Project description

The city of Bunbury on Australia's south-western coast is currently being provided with a new four-lane, high-standard road of length 27 kilometres – the Bunbury Outer Ring Road – that will do away with 13 sets of traffic lights and a railway level crossing.

The new ring road will reduce travelling time and the bridge structures along the route will minimise traffic disruption.

The road is scheduled to open for traffic in 2024.

mageba scope

The 234 bearings ordered for the structure were RESTON®POT bearings. But rather than selecting the "standard" version of this bearing type, the project's engineers opted for the HP ("High Performance") version, which offers several distinct advantages.

For example, the characteristic strength of the rubber pad at the heart of the bearing is 120 N/mm² – double the value defined by the relevant European code EN 1337-5, resulting in much reduced bearing size and weight and thus easier installation, while also improving feasibility in many bridge design situations.

Beyond the bearings, 50 m of TENSA® FINGER RSFD cantilever finger joints, 108 m of TENSA®GRIP RS-LS single-gap joints with noise-reducing surfacing, 79 m of TENSA®POLYFLEX®Advanced PU plug expansion joints and 127 m of TENSA®GRIP AU-SA expansion joints were also delivered.

Highlights & facts

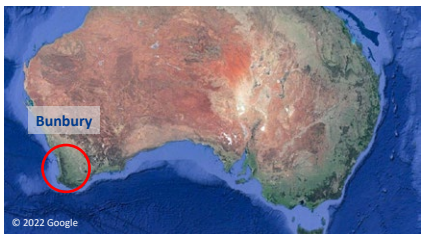
mageba products:

Type:	RESTON®POT HP bearings, TENSA®FINGER RSFD, TENSA®GRIP of tyes RS-LS and AU-SA and TENSA®POLYFLEX® Advanced PU expansion joints
Installed:	2023

Structure:

City:	Bunbury
Country:	Australia
Owner:	Mainroads Western Australia
Contractor:	South West Gateway Alliance
Designer:	SWGA

The structure is located in the city of Bunbury on Australia's south-western coast



Assembly of a RESTON®POT HP bearing at mageba's Chinese factory

A TENSA®FINGER RSFD joint installed

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