

# Parramatta Light Rail Stage 1 (Australia)



## Project description

The Parramatta Light Rail is one of the latest major infrastructure projects in the Greater Sydney area, which is expected to open in 2023. It will provide a modern, accessible and comfortable transport solution for travellers, and will operate 45-metre-long light rail vehicles which will have a capacity for up to 300 passengers. The \$2.4 billion project is also part of a larger \$93 billion infrastructure investment scheme of the Government of New South Wales.

The 12 km-long, double-track light rail will connect the suburbs of Sydney's Westmead and Carlingford area via Parramatta CBD and Camellia. Along the route there will be 16 stops, and in total, 12 bridges will either be built or modified in the Greater Parramatta area as part of the project.

It is expected that by 2026, approximately 28,000 people will use the Parramatta Light Rail every day and around 130,000 people will be living within walking distance of light rail stops.

The project is located in Sydney, Australia



## mageba scope

mageba supplied both, bearings and joints for the project.

For the James Ruse Drive Under-Bridge, which is the second longest steel arch bridge in NSW with its 64 m length, 4 RESTON®SPHERICAL bearings were supplied with a maximum load capacity of 9,800 kN, while another 132 LASTO®BLOCK bearings were supplied for all 6 new bridges.

Before installation, all bearings were tested at mageba's NATA-certified laboratory (ILAC MRA) in Sydney. During the works the local experts of mageba provided installation supervision.

Beyond the bearings, mageba also supplied a 7.76 meter-long TENSA®CRETE RE joint for the pedestrian area of James Ruse Drive Under-Bridge.

## Highlights & Facts

### mageba products:

Type: RESTON®SPHERICAL and LASTO®BLOCK bearings  
TENSA®CRETE RE joint

Completion: 2021

### Structure:

City: Sydney  
Country: Australia  
Type: Light rail  
Completion: 2023  
Length: 12 km  
Owner: Transport for New South Wales, NSW

Contractor: CPB Downer JV

Engineer: WSPA JV

A RESTON®SPHERICAL bearing after production



An installed RESTON®SPHERICAL bearing

