

Toowoomba Second Range Crossing (AU)



Project description

The Toowoomba Second Range Crossing Project involved the construction of a new bypass route to the north of Toowoomba, approximately 43 km in length, running from the Warrego Highway at Helidon in the east to the Gore Highway at Athol in the west through Charlton.

Along with the new highway, the upgrade works also included the construction of a 800 m long viaduct built over the existing Queensland Rail line.

The 1.6 Billion Dollar project's main aim was to reduce the travel time and improve network efficiency.

mageba scope

mageba provided in total 1,308 LASTO®BLOCK elastomeric bearings and 60 RESTON®POT bearings to the newly constructed viaduct, as well as to 25 other bridges of the project.

The maximum vertical load capacity of the installed bearings is 14,700 kN, while their maximum horizontal load capacity is 1,400 kN.

Beyond the design and the supply of the bearings, mageba also supervised the installation of these products during the construction of the viaduct.

Highlights & facts

mageba products:

Type: LASTO®BLOCK elastomeric bearings and RESTON® POT bearings

Installed: 2018

Structure:

City: Toowoomba, Queensland

Country: Australia

Type: Highway viaducts

Completion: 2019

Owner: Department of Main Roads

Contractor: Nexus Infrastructure

Engineer: Aurecon

The project is situated to the north of Toowoomba, 60 km from Brisbane in Queensland



Installed LASTO®BLOCK bearings on Pier 10



Aerial view of the viaduct

