

Piedras Moras Bridge (Argentina)



Project description

This cable stayed bridge crosses one end of the Piedras Moras Lake in northern Argentina, approximately 50 km south of the city of Cordoba.

It has a length of 200 m, and was built as part of an ambitious project to construct 200 km of new highway (route no. 36) between the cities of Cordoba and Rio Cuarto. Construction was completed in late 2017.

mageba scope

For this construction project, mageba supplied 232 structural bearings:

- 184 units of LASTO®BLOCK elastomeric bearings
- 48 units of LASTO®FLONBLOCK elastomeric bearings.

The LASTO®FLONBLOCK bearings which have a 1.5 mm-thick PTFE sliding sheet vulcanized into one surface, allow sliding movements, while the LASTO®BLOCK bearings do not, but can accommodate some movement by distortion of their rubber mass.

Most of the bearings were used to carry the bridge's deck, oriented horizontally in the conventional way, some were oriented vertically, at the end surfaces of deck sections, to prevent longitudinal deck movements.

Highlights & Facts

mageba Products:

Type: LASTO®FLONBLOCK and LASTO®BLOCK elastomeric bearings

Installation: 2017

Structure:

City: Cordoba

Country: Argentina

Type: Cable stayed bridge

Main span: 60 m

Length: 200 m

Built: 2018

Contractor: Chediack Jose J Saica, Boetto and Buttigliengo

The bridge crosses the Piedras Moras Lake in Cordoba, Argentina



An installed LASTO®BLOCK elastomeric bearing



Horizontally and vertically oriented bearings as installed at end of deck section

