

Viaduct Grande Ravine (La Réunion)



Project description

The Viaduc de la Grande Ravine is located on the east coast of the Island La Reunion in the Indian Ocean. La Réunion counts 800,000 inhabitants and is about 200 km south west of its nearest neighbour, Mauritius.

The bridge construction is a part of the 34 km long Route des Tamarins, a highway connecting the city of Saint-Paul an l'Etay-Sale. The structure consists of a 288 meter long steel deck with an orthotropic slab. The 3,500 ton heavy steel viaduct is based on concreted abutments and 50 m long braces.

The bridge was built from April 2006 to March 2009 by the consortium Dodin/Vinci/Eiffel.

mageba scope

mageba delivered 4 RESTON®POT free sliding bearings with a load capacity of 5000 kN installed at the abutments underneath the bridge deck.

Furthermore, mageba equipped the bridge with 4 RESTON®POT KF fixed bearings with a load capacity of 60,000 kN, located on the top of the bracing members. These 4 big bearings are equipped with a load cell that allows measurements of actual load, and have a lifting capacity of 25 mm.

Highlights & facts

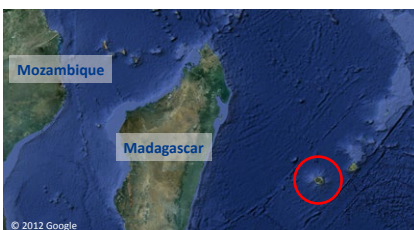
mageba products:

Type:	4 RESTON®POT bearing 4 RESTON®POT bearing
Features:	Vmax 5,000 kN / 60,000 kN
Installed:	2010

Structure:

City:	Trois-Bassins
Country:	La Réunion / Frankreich
Type:	Steel viaduct
Length:	288 m
Built:	2006–2009
Contractor:	Dodin/Vinci/Eiffel

La Réunion is a French island and located in the Indian Ocean, east of Madagascar



Bridge under construction



RESTON®POT load measuring and injection bearing with load capacity 60,000 kN

