Val Freghizia Bridge (Italy)

Project description

Autostrade per L'Italia is a leader organisation in Europe in managing and constructing toll highways with a network of around 3,020 km across Italy.

As part of its annual maintenance schedule, the company replaces those expansion joints that have reached the end of their life span.

The project involves the replacement of two joints of the Val Freghizia Bridge near Rome on Highway A1, which is the most important route linking North and South Italy.

mageba scope

mageba supplied two units of TENSA®MODULAR expansion joints of type LR2-FE.

Each of these joints allow 620 mm seismic movement and feature 160 mm service movement.

They are equipped with central fuses, which make the required movements possible even during an earthquake.

In order to avoid the full closure of the highway, the joints were installed in two sections. These sections then were connected by butt-weldings.

Due to the new joints, driving comfort and road safety have been improved significantly.

Highlights & Facts

mageba Products:

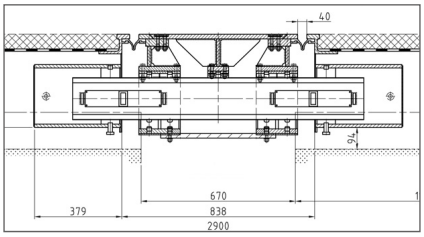
Type:	TENSA®MODULAR expansion joint of type LR2-FE
Installation:	2017

Structure:

City:	Rome
Country:	Italy
Type:	Highway bridge
Length:	777 m
Built:	1988
Contractor:	Autostrade per L'Italia S.p.A.
Engineer:	Spea Engineering S.p.A.

The bridge is located on Highway A1, near Rome

A cross section of the installed TENSA®MODULAR expansion joints



One of the expansion joints before concreting

mageba sa - Solistrasse 68 - 8180 Bülach - Switzerland - T +41 44 872 40 50 - info@mageba.ch