



FREYSSINET
SUSTAINABLE TECHNOLOGY

The Project consists of 11 bridges extending about 2.5 kilometers, in addition to 1 underpass and involves widening of Umm Suqeim Road and Al Qudran Road from two to four lanes in each direction in a sector extending 5 kilometers from the interchange of Dubai Bypass Road, and erecting two light signals to serve Auto City and Dubai Studio City.

The bridges System is the largest interchange ever constructed in UAE.

Freyssinet Gulf was approached by the contractor to carry out inspection of mechanical pot bearings, design verification for damaged bearings and replacement with newly designed. Due to the fact that unforeseen horizontal force damaged steel guide on guided pot bearings located on the abutments of the bridge, they should be replaced with newly designed, enabled to receive such horizontal force.

Freyssinet Gulf has successfully completed the design of new bearings (total 2 pcs) according to new design criteria, production, and supply of products and replacement operation inclusive the lifting of the bridge by hydraulic jacks. Replacement operation took not more that 1 day without interruption of the traffic.

Repairs

Arabian Ranches Interchange Dubai, UAE



Client

Road & Transport Agency

Consultant

Parsons International

Contractor

Taisei Contracting

Construction

July 2012