



FREYSSINET
SUSTAINABLE TECHNOLOGY

Parallel Roads Project presents one of the most important RTA projects, including several interchanges and road works, in order to divert the traffic from congested Sheikh Zayed Road in Dubai.

In handover stage of the project, Freyssinet was appointed by contractor to perform design, supply and execution of bridge jacking works, required for pot bearings rectification works.

Project requirement was to replace damaged PTFE sliding sheets on 2 guided pot bearings. Due to significant lateral slope of the bridge, only vertical jacking could create damage on remaining guided pot bearings.

Freyssinet designed system and methodology of vertical/horizontal jacking in order to ensure proper load transfer and safe remedial action. Total 12 nos of 260 tons jacks for vertical jacking and 12 nos of 20 ton jacks for horizontal jacking have been used on the project.

Work have been executed under the live load on the bridge.

Repairs

Parallel Roads Bridge W3BPR1- Bearing Rectification Works Dubai, UAE



Client

Road & Transport Agency

Consultant

Parsons

Contractor

Al Naboodah Contracting

Construction

June 2013