

Dammam is the capital of Eastern province of Saudi Arabia.

Freyssinet Saudi Arabia in JV with Freyssinet Grand Projects were working together on segmental bridge in Dammam.

The project is a 4.2km viaduct, inclusive of 48 spans made up of 714 segments. The post-tensioning system used is external C system consisting of 995 tons of 15.24mm bonded strands.

The bridge is constructed above a vital tunnel and railway line which both lead to the Dammam port. The viaduct is the main access to the port facilities which in turn eliminates traffic congestion.

Freyssinet scope of work was design and supply of the moulds and supervision of the precast activity and design, supply and the full operation of the launching gantry and post-tensioning.

The project was a challenging in regards to the installation of 55 spans with double cell segments. Due to the size of the spans, gantry used was one of the largest in our global operations.

New structures

Bridge along Coastal road Dammam - KSA



Client

Port authority – King Abdul Aziz

Consultant

Saudi Consolidated

Contractor

Al Yamama

Construction

October 2012