



■ Bridges



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Bridge to the King Fahd International Airport Dammam post-tensioned using the DYWIDAG Multistrand System

Reference Details:

Owner Kingdom of Saudi Arabia, Ministry of Communications, Saudi Arabia +++ **General Contractor** Al-Owaidah Co., Riyadh, Saudi Arabia **DSI Unit** DSI Group HQ Operations

DSI Services Systems type MA with 9-, 12- and 15-0.62"; Rental of special equipment; Technical support.

Construction of the Pipeline Corridor Bridge in Saudi Arabia

The access road to the King Fahd International Airport in Dammam crosses the so-called Pipeline Corridor. To protect the pipelines placed in the area, the road connection to the airport had to be a bridge.

The total length of the bridge is 625 m, its width 2 x 20.5 m. The superstructure was using precast prestressed concrete girders. A total of 324 girders were fabricated in various lengths: 72 girders with a length of 28 m, 54 girders with a length of 32.5 m and 198 girders with a length of 37.5 m.

For post-tensioning the DYWIDAG Post-Tensioning System type MA with 9-, 12- and 15-0.62" was used.

The contract included material supply, rental of special equipment and provision of a specialist for the technical support on site. The bridge structure was completed in the course of 2001.