

Extension of the Roads in Arriyadh Old Airport Project (ERAOAP)

Country
Kingdom of Saudi Arabia

Project Owners
High Commission for the Development
of Arriyadh
Arriyadh Development Authority (ADA)

Client
Almabani General C.

Main Project Cost
US\$400 Million

Services Provided by DAHNT
Structural Review & Design
Water Management System Review &
Design

Other Project Trades
Road Design
Civil & Structural Works
Water Management
Electro-Mechanical
Landscaping

Project Time Frame
2009 – 2012



Narrative Description

In view of the anticipated fast development of Arriyadh City in the coming 20 years and as a preventive measure to mitigate the expected traffic congestions in the City's main arteries, the High Commission for the Development of Arriyadh and Arriyadh Development Authority (ADA) launched a project to upgrade the infrastructure network which would improve the traffic flow within old Arriyadh airport area.

In 2009, The Arriyadh Development Authority awarded the Project to Almabani General Contractors who at a later stage would commission Dar Al Handasah Nazih Taleb & Partners (DAHNT) to provide comprehensive engineering services comprising the structural review & design and the water management system review & design.

The project's first package included the construction of three tunnels consisting of a combined length totaling 2.2km with the addition of the King Abdul Aziz underpass.

The project's second package consisted of reviewing and updating the project's water management plan.

The original works, which evolved in the course of the project, included the implementation of: the hydraulic designs of the collection and conveying systems of the underground water, storm water drainage systems for the Oruba and Abu Bakr Roads, the construction of four pumping stations, two wells in relation to the pumping stations, a water treatment plant, firefighting systems and irrigation systems and landscaping.