

FOUNDATION ENGINEERING

Palm Jumeirah Design & Build of Reinforced Concrete Spine Underpass

INFRASTRUCTURE & TRANSPORT - BRIDGES & TUNNELS • ROADS & INTERCHANGES • DIAPHRAGM WALLS



Client
Nakheel PJSC

Consultant
Parsons De Leuw Cather

Main Contractor
NSCC - SBF JV

Location
Dubai, UAE

Start Date
20 September 2005

Completion Date
30 November 2006

Project Details

The Project involves the building of an open underpass 400 m long with two overhead bridge decks.

Diaphragm Walls (1000 - 1200 mm thick)

Shoring depth : 20.2 m
Shoring length : 180 - 225 m

T-sections (800 mm thick)

Shoring depth : 21.2 m
Shoring length : 60 m

Barrette (for monorail foundations) : 33 nos.

Size : 1.0 x 2.8 m
Length : 20.9 m

807 mm dia. piles, 19.2 m length : 172 nos.

670 mm dia. piles, 18.5 m length : 88 nos.