



#### NEW INTERCHANGE

The tower cranes are working at the Mall's building site in the background.

The new 42m span pre-stressed bridge is nearly completed and in the forefront the approach road to a new bridge is in progress.



#### DECORATIVE PATTERN

Muscat Municipality specified the pattern to be repeated on retaining walls.

This choice is in harmony with other models used on the Southern Expressway.



#### ROAD WORKS

Sub base materials, aggregate base course were produced and placed on site using modern aggregate spreaders.

Bituminous courses were carried out by Rawasi, our specialist sister Company.

#### SCAFFOLDING AND SHUTTERING

A system shuttering (PERI) was used as falsework.

It was designed as a standalone structure accessible to workers, shaped like the bridge and capable of carrying safely the loads.



#### MALL OF OMAN - ENABLING AND HIGHWAY WORKS

The client for the Mall of Oman is Majid Al Futtaim (MAF).

It has been their policy to ease vehicular access to their malls and to provide sufficient parking space for customer vehicles, particularly in the case of this prestigious project, the Mall of Oman.

The works covered the construction of underpasses, bridges and flyovers with all related works such as retaining walls, guard rails, surface water drainage system, concrete barriers and pedestrian walkways.

They also covered street lighting, road signs (portal and cantilevered), road marking, rumbling strips and road stud reflectors.

The approach roads to bridges are retained by mechanically stabilized precast elements and reinforced soil.

Another part of the SOW was the provision/ protection of utilities.

Widening of intersection and improvement of traffic light are also included.

Furthermore, a dedicated cyclist lane is provided for the lone customer.

#### RETAINING WALLS

The presence of sand dunes in the vicinity necessitated the construction of in situ reinforced concrete walls to retain the sand.

A decorative pattern was adopted to break the monotony of the plain surface.

