Separating a road corridor through the park

Upgrade of Al Khawaneej Road and Mushrif Park Corridor Dubai, UAE

CLIENT'S CHALLENGE

Mushrif Park is a 5.25 square kilometer family-oriented park close to the suburb of Khawaneej. The client wanted a solution providing grade separation in the limited space available between Mushrif Park road corridor and the elevated parkland that would minimise impact on the park. The solution needed to complement the local environment and be attractive to road users and other local residents.

TENSAR SOLUTION

Tensar proposed the TensarTech TW1 ME wall system. This system is suitable for construction in the tight space available. Earth coloured textured blocks were selected for the wall facing. This has created a visually attractive retaining wall that supports the parkland above the road corridor. Site-won granular fill material was used as the structural fill, minimising haulage costs and construction carbon footprint.

BENEFITS

- **Reduced construction cost and time** compared to alternative options
- **Visually attractive solution** - suited to local environment
- **Lower carbon emissions** - using site won fill
- **Minimised land take** - constructed within tight constraints

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PROJECT DETAILS

Constructed in
2022

Client
Roads & Transport Authority (RTA)

Consultant
KEO International Consultants (KEO)

Contractor
Tristar Engineering & Construction LLC

Tensar Distributor
Pioneers of the Middle East & Tunnels Maintenance L.L.C-O.P.C

The coloured textured blocks create an attractive finish on this Tensar Tech TW1 ME structure

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