

maeg

FOOTBRIDGE 01

BRIDGES AND VIADUCTS
- PEDESTRIAN BRIDGES

FOOTBRIDGE 01

Location

Dubai, United Arab Emirates

Client

Joint Venture Road & Transport Authority (RTA),
Meydan and Meraas

Contractor

Belhasa Six Construct LLC

Scope of work

Design, fabrication and installation of steel
structures

Period of execution

2016

Weight

510 tons

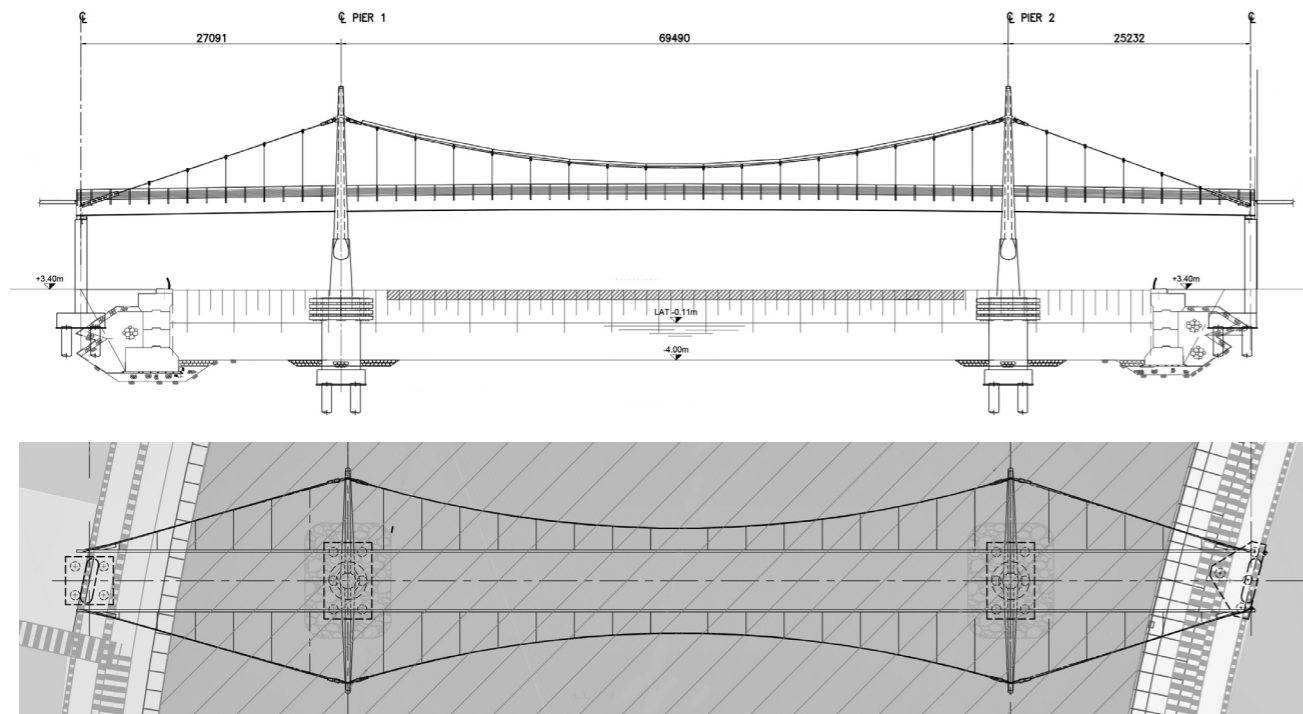
Length

122 meters

The design of the first of three steel footbridges crossing the Dubai Water Canal has been inspired by the Arab nomadic culture of trade and fishing history, recalling the structures of the tents used by the Bedouins in the Y-shaped pillars and suspension cables of the footbridge.

This project, also called Safa Bridge, connects the Al Wasl district to one of the green areas of the city, Safa Park. The structure is suspended at a height of 8.5 meters above the water level to allow the navigation space along the canal and it is supported by two Y-shaped antennas, installed from the inside of the canal before the flooding of the water, having a weight of 90 tons each and a height of 35 meters. The deck is 122 meters long, 6.2 meters wide and was dispatched from the factory in eleven segments then installed on temporary towers and

the completion of the welding. The structure could support its weight, proceeding then with the removal of temporary towers, only after the installation and tensioning of 252 meters of steel cables.









Ideas
shape
the
World

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