

maeg

SIDI MAÂROUF BRIDGE

BRIDGES AND VIADUCTS

- **CABLE-STAYED BRIDGE**

SIDI MAÂROUF BRIDGE

Location

Casablanca, Morocco

Client

DRETL

Contractor

Société d'Exploitation des Procédés Boussiron
(SEPROB SA)

Scope of work

Design, fabrication and installation of steel
structures

Period of execution

2016-2018

Weight

3.500 tons

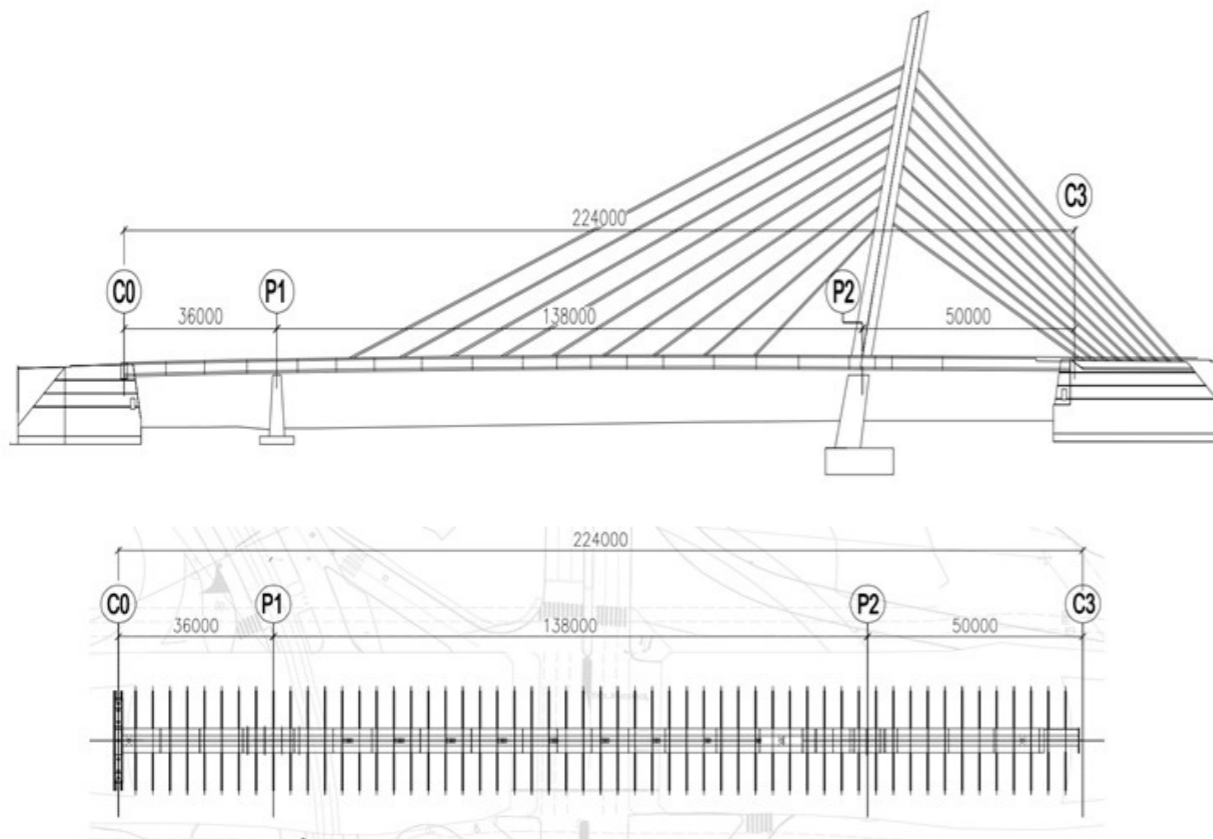
Length

224 meters (36+138+50)

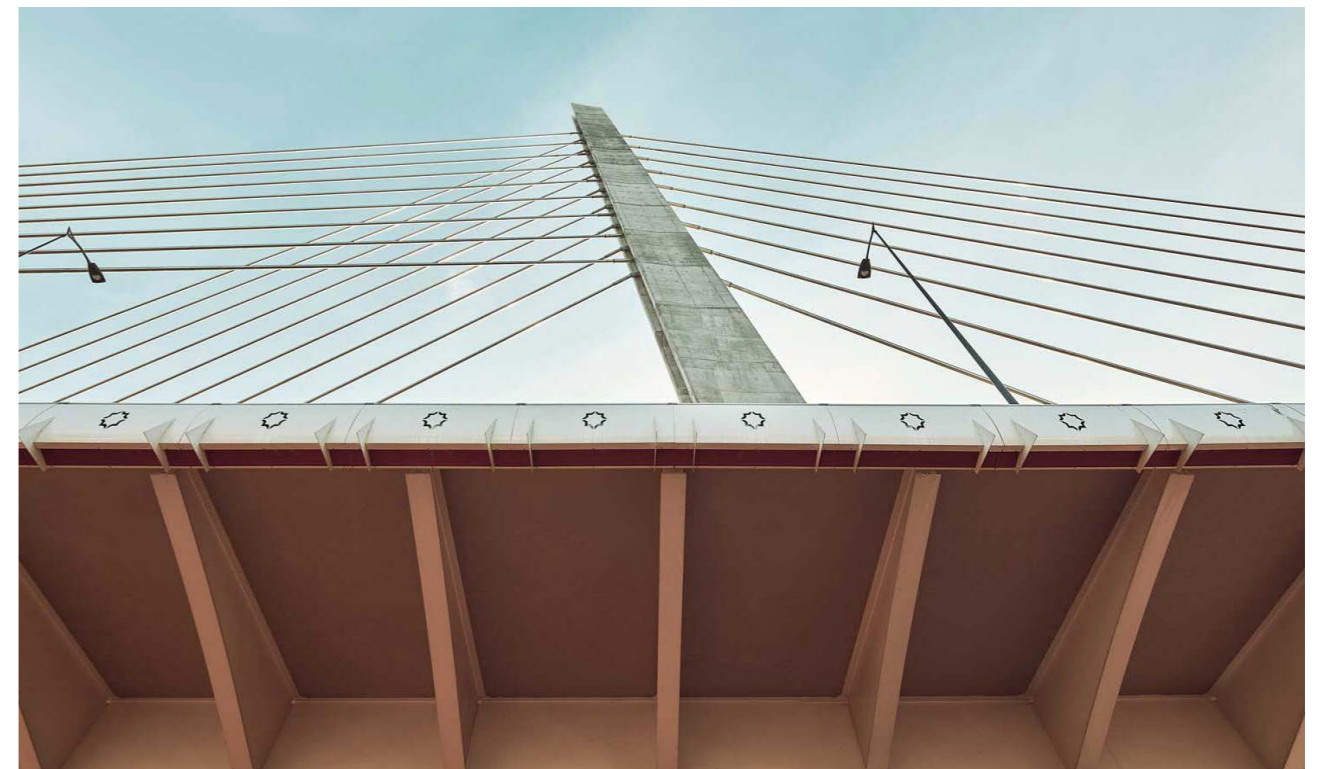
This asymmetric cable-stayed bridge, built in the center of Casablanca, is the second biggest bridge in Morocco of its typology. Its main purpose is to improve the viability of the Sidi Maârouf district, where six main arterial roads converge reaching a peak transit of more than 17.000 vehicles per hour.

The structure is characterized by a 75 meters tall antenna composed by a metal core and covered of reinforced concrete, inclined of 12 degrees with the regards to the vertical axis. This single-antenna solution has been preferred to satisfy the requirement to leave the below road traffic as unhindered as possible, avoiding the placement of pillars. For this reason, the 138-meter-long central span realized of a steel framework reinforced with a concrete slab is supported by 27 steel cables, divided

in three groups and three directions. Overall, the weight of the steel structure is 3.500 tons.









Ideas
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