

ISTMO ROUNDABOUT PEDESTRIAN WALKAWAY (supervision)



Client / Employer Government of the Macao Special Administrative Region
Infrastructure Development Office

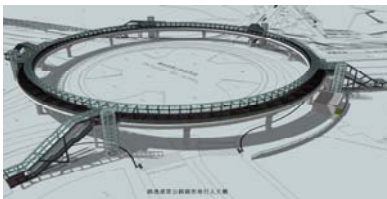
Service Supervision Works by CONSULASIA, LDA.

Investment MOP 180 Million

Contract Price MOP 3,653,000

Time Schedule November 2013 to August 2015

Project Description



In order to facilitate pedestrian traffic between the Cotai (Casinos, Science and Technology University and University Hospital), Taipa (Governor Nobre de Carvalho Road) and Old Taipa (Baía da Nossa Senhora da Esperança Road) the Macao Special Administrative Region Government decided to build a huge pedestrian walkaway over the Istmo Roundabout.

The pedestrian walkaway follows the shape of the Istmo Roundabout, it is a circumference with approximately 500 meters of perimeter with a corridor of 6 meters wide raised to 5.5 meters in height. There are 5 access points to the platform, each of which has an escalator, an air-conditioned elevator and a normal staircase.

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The entire complex structure is based on 14 circular concrete pillars with a diameter of 2.5 meters and foundations on mini stakes.

The structure of the tray was transported to the work in modules that after being properly welded were raised to the height of the tray in giant pieces that could reach the 100 tons.

The structure is in metal that provides it a modern design, and the corridor protections are made of glass to make the structure lighter and with better visibility. The hallway is ornamented with numerous flower boxes.

A transformation station was set up to supply power to the whole structure, namely lighting, elevators and escalators.

A complex video and security system was installed throughout the structure, with more than 130 CCTV cameras installed. In support of this system, a control room was built where all the images captured by the surveillance cameras are recorded. A UPS system was also installed as backup in the event of a power failure.