

GUIMARÃES AVENUE FLYOVER (design)



Client / Employer Government of the Macao Special Administrative Region
Land, Public Works and Transport Bureau

Service Project Design by CONSULASIA, LDA.

Investment MOP 400,000,000

Contract Price MOP 8,500,000

Time Schedule October 2013 to September de 2014

Description of the Project In recent years there has been an exponential growth of Taipa Island in Macau, with many buildings, mainly residential. This situation has contributed to a great increase of pedestrian and road flow.

The Light Metro (LRT), under construction, will have a station next to the Olympic Stadium, near the residential area, which will accentuate the pedestrian flow in the area.

Acknowledging this new reality, the Government of Macao decided to build a walkway to facilitate the movement of residents between their homes, Taipa Central commerce and the new LRT station.

The project comprises a pedestrian corridor about 8 meters from the ground, 400 meters long, along an the Guimarães avenue, which joins two roundabouts (one of which is the Rotunda of the Stadium). From the Rotunda of the Stadium the footbridge will extend to the station of the Light Metro of the Olympic Stadium.

The new walkway will allow pedestrians to move in a safer and faster way, avoiding high car flow. The existence of treadmills and cover make their use more comfortable.

GUIMARÃES AVENUE FLYOVER (cont.) (design)



Description of the Project (cont.)

The construction works will have an estimated value of 400 million patacas, and Consulasia was the company responsible for the entire project design, with a contract valued at 8.5 million patacas.

This important infrastructure, unique in Macao, taking into account its size (700m in length and 6,400m² of area), will reinforce the government's policy to encourage people to travel more on foot and by bicycle, thus contributing to a more sustainable healthy life. As far as bicycles are concerned, bike paths will be built in both directions of Avenida de Guimarães (where a large part of the footbridge will be built) and the access elevators to the footbridge will be dimensioned so that bicycles can be transported.

The pavement will be made of natural wood deck, suitable for this purpose, with planting areas interspersed along a pedestrian path. Mechanical walkways in both directions, with 35m lengths, will be installed for convenience of use.

The public walks of the Avenue of Guimarães will have a landscape arrangement, with the renovation of the materials, design of the pavements and planting of new trees.

The central separator of the Avenue, on which the pillars of the catwalk will be constructed, will be landscaped and planted. The structural pillars being surrounded by vegetal elements and supported in metallic decorative structures.