



# La Zarzuela interchange footbridge

Madrid, Spain / 1996

Owner  
Constructor  
Scope

Ministro de Fomento  
ute ocp- auxini  
detailed design and construction support



The Zarzuela Junction is located on the M-40 belt motorway, over the El Pardo motorway and the River Manzanares, connecting the M-40 and M-30 belt motorways with the El Pardo motorway. Concentrated in a very small area, there are 2,247,20 metres of viaducts and bridges and 32,760 m<sup>2</sup> of structures.

The pedestrian footbridge described had to be compatible, in form and shape, with the remaining structures. The adopted solution is a horseshoe-shaped footbridge. It has nine spans (10,00 + 15,00 + 15,00 + 19,90 + 29,80 + 19,90 + 15,00 + 15,00 + 10,00 m long). On each side, the first three spans and 4/5 of the fourth one are made of reinforced concrete. The last 1/5 of the fourth span and the main span are pre-stressed. The main span is curved and has variable depth.



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