



# Almuñecar Pedestrian Bridge

Madrid, Spain / 2011

Structural type  
Characteristics  
Owner  
Client  
Scope

'u' shaped carbon fiber deck  
39.7 m span fixed to the abutments  
Ayuntamiento de Madrid  
Ayuntamiento de Madrid  
detailed design and construction support



The Almuñecar footbridge is built with innovative materials that minimize the weight and height of the structure. The structure consists of a single carbon fiber U-girder fixed at the abutments, with a height of 1.20 m, a width of 4.0 m and an approximate length of 40.0 m. Transversal stiffeners are installed on the outer surface of the shell that mark shadow lines at the sides of the footbridge. The floor of the structure is materialized with a precast "U" panel, which allow the installation of utility cables inside the deck, with the same color and texture as the visible face of the foundation blocks and the plastic handrails.



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