

Bridge over the Cavalls Ravine

The Bridge over the Cavalls Ravine consists of four spatial composite truss girders 56.00m in span, 3.00m in depth and 4.00m in width that when put together provide a deck 17.00m in width.

In order to optimize the use of structural steel, the bottom chord, which is tensioned, has been

pre-compressed by means of exterior pre-stressing, consisting of two tendons of 24 parallel 0.6" strands.

The trusses were built with the help of a framework and a crane. The concrete of the deck slab was cast over the steel structure. Finally, the exterior pre-stressing was tensioned.



Spain /1998 Project data

Structural type:
Mixed lattice with exterior 56.00 m
pre-stressed span
Location:
Southern local distributor of Valencia
Opening date:
December 1995
Proprietor:
Generalitat Valenciana.
(Local Government of Valencia).
Construction:
Dragados Obras y Proyectos
Scope of Works:
Construction Project and
Technical Assistance