CONSTRUCTION PROJECT



# Bridge over M-11 road

## Madrid

The structure is located on a curved alignment of 597.64 m radius. The length is 92.00 m, distributed in 25-42-25 m spams.

The bridge is a composite structure with constant depth. The deck, with 12.40 m width, consists of a concrete slab with a variable depth from 0.20 to 0.35 m in cantilevers, and from0.35 to 0.25m in the steel box girder, situated in the central zone. The slab was concreted on precost concrete slabs, with same width as the deck.

| | |
|---|---|
| CLIENT | **Los Coronales** |
| PROJECT DATE | **2006** |
| LOCATION | **Madrid, Spain** |
| FIELD OF ACTION | **Construction project and technical assistance during construction** |

Final view of the bridge

ingenieros consultores

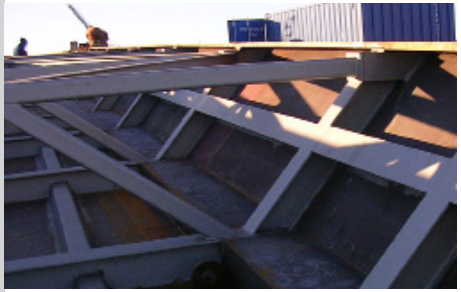
C/ Nuñez de Balboa, 120,3D
28006 Madrid, Spain
Tel.: +34 915237633

ines@inesingenieros.com
www.ines.es/en

CONSTRUCTION PROJECT

# Bridge over M-11 road

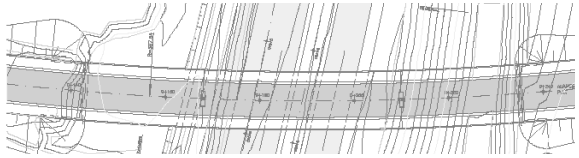
## Madrid



Construction process

The steel box girder consists of a lower plate of 3.00 m wide, two lateral inclined cores, crowned with upper platbands of 0.70 m wide, which are used as a connection to the concrete slab.

Two piers were arranged with variable section, which changes with height. This section is perceptibly rectangular with steel plates in the central zone. The abutments are made of reinforced concrete.



ines
ingenieros consultores

C/ Nuñez de Balboa, 120,3D
28006 Madrid, Spain
Tel.: +34 915237633

ines@inesingenieros.com
www.ines.es/en