

Location
Gennevilliers

Clients
Conseil Départemental des Hauts-de-Seine /
Hauts-de-Seine Departmental Council

Team
Ateliers 2/3/4/ (Architect) + WSP-BG
(consortium leader) - BET Structure / Civil
engineering + Coup d'Éclat - Light conceceptor

Nature of the project
Infrastructure

Program
Creation of a 70 m span over the A86, as
part of a north-south green link between the
Louvresses business district (6,000 jobs),
Gennevilliers RER C station and the
Chanteraines departmental park.

Mission
Architectural design of the overpass

Status
Built

Area
70 m span x 4 m width
280 m²

Calendar
Studies 2019-2020
Construction: 2021-2023
Completion: 2023
Inauguration: 2024

Construction compagnies
VINCI Construction - GO/Civil Engineering +
VIRY FAYAT Group - Steel structure +
WATELET TP - Plants, roads and utilities +
VIOLA Group FIRALP - Lighting

Credits
Simon Guesdon (Photographs) - Ateliers
2/3/4/ et CDHS (Night photography et
graphics)



Designed by WSP France/BG, Ateliers 2/3/4/ and Coup d'éclat, the structure is an integral part of the creation of a north-south green link between the Louvresses business district (6,000 jobs), Gennevilliers RER C station and the Chanteraines departmental park. This route required a 70 m span over the A86.

The major challenge was to protect users from the motorway and railway environment by providing a feeling of safety and relative isolation throughout the crossing, based on three principles:

Define a protective envelope 4m wide created by a mesh similar to a canopy
Treat the path of users as a cocoon separate from the structure
Define a profile with a very taut arc to reinforce the image of the crossing.

Treated in UHPC (ultra-high performance fibre-reinforced concrete), the deck and railings are combined into a single continuous form, like a protective cocoon that extends beyond the structural envelope to support the movement of users.

The 70 m span of the structure, with no possibility of installing an intermediate pier, called for a steel construction solution. It also needed to be installed quickly over the motorway, which could only be closed for a few hours at night.

A unique architectural landmark, the footbridge offers a unique crossing experience by day and night.



