

Structural Plate (SuperCor) Vaulted Bridge, Carpen village, Dolj county, Romania

PROJECT REPORT

SuperCor



Constructing connections.
Consciously.

VIACON

BASIC INFORMATION



PROJECT NAME:

The Flowers Bridge



APPLICATION TYPE:

Structural Plate
(SuperCor) Vaulted
Bridge



CONSTRUCTION PERIOD:

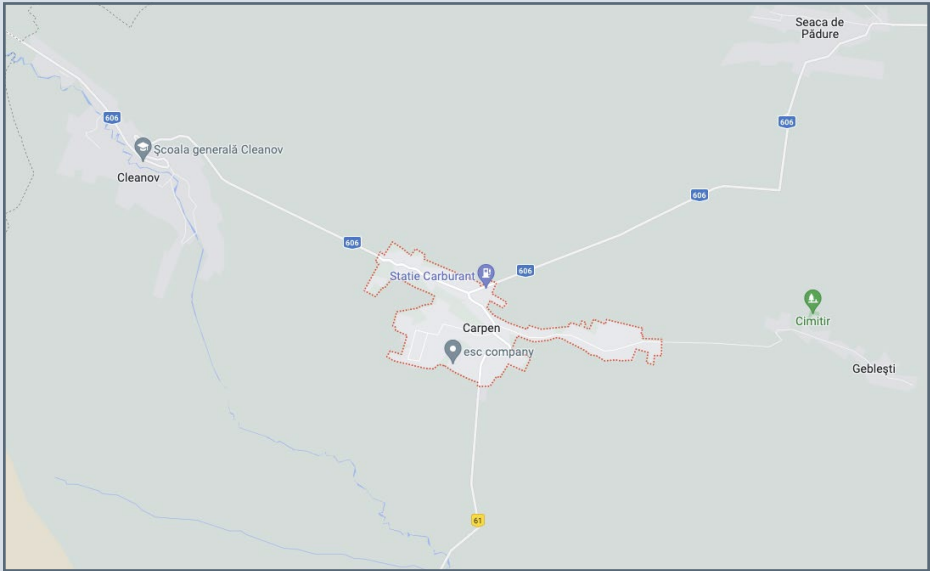
March 2022
to July 2022



VIACON SOLUTION:

SuperCor

PROJECT LOCATION



BACKGROUND

The project site is very close to the southern Romanian border with Bulgaria in the Oltenia Region (within a commune of 3000 inhabitants). The project strategically connects 3 villages: Carpen, Cleanov and Geblești. With agriculture being the main occupation of the region, it is essential to develop the area both from the agricultural as well as commercial perspective.

STAKEHOLDERS



INVESTOR:

Carpen City Council



SUPERVISOR:

Carpen City Council



DESIGNER:

ViaCon Romania



CONTRACTOR:

Rescomt



FABRICATOR:

ViaCon Turkyie &
Poland



PROJECT HIGHLIGHTS

The potential of the project is evident from its location, specific local natural conditions, as well as the economic profile of the commune - in this case agriculture. The main activities of the region are cultivation of agricultural land and beekeeping.

What makes the project special is that the structures were chosen by the authorities due to high positive ecological impact, knowing that steel is 100% recyclable.

Another highlight of the project was that after the construction, the residents decided to make it more attractive for people and encourage the bees by placing flower pots on the bridges.

TECHNICAL PARAMETERS OF THE STRUCTURE

Length: 10m

Span: 11.64m/9.58m

Rise: 4.79m/2.53

Plate thickness: 7 mm/7+7 mm

Corrosion protection: Galvanised



BENEFITS

- Easy and short assembly time due to lightweight, modular structural plates
- Environment-friendly transportation due to lightweight structural plates, assembled onsite.
- No need for heavy equipment for installation
- Minimal disturbance to traffic during construction

