



PROJECT

# Bridge over Piratiy River

LOCATION

Canindeyú, Paraguay

INFORMATION

Area: Civil works  
Market: Roadway bridges  
Year of completion: 2019  
Contractor: FERRA Ingeniería  
Final client: Consorcio Piratiy y Costanera Salto del Guairá  
Our work: Detailed design

DESCRIPTION

The aim of the project was to replace the pre existing bridge on Route 10 with a new one that provides greater cargo capacity, avoiding the traffic congestion of the access roads and exits through the route PY 03, to the city centre of Salto del Guairá.

SOLUTION

The 330 ft. bridge consists in 3 spans of 108 ft. each, a vertical abutment on the SDG side and a head abutment on the other. Its structural system was carried out with a deck of prefabricated prestressed beams over reinforced concrete piers. The foundations were done with 3 ft. diameter piles, which branch into 10" micropiles when they come into the basalt.