



PROJECT

Bridges over Tebicuary and Yacaré rivers

LOCATION

Alberdi and Pilar,
Paraguay

INFORMATION

Area: Civil structures
Market: Bridges
Year of completion: 2019
Contractor: TOCSA - ECOMIPA
Final client: Ministerio de Obras Públicas y Comunicaciones de Paraguay (MOPC)
Our work: Detailed design

DESCRIPTION

Alberdi and Pilar are two towns located 60 miles apart on different sides of Paraguay River banks. It took more than 6 hours to cross about 270 miles through internal roadways due to the lack of a direct route, so this bridge project allowed to improve connectivity between these two nodes.

SOLUTION

The project had different geometrical and constructive difficulties due to camber and path curvature, added to special requirements related to the structure being located in a wetland area which remains flooded several months a year. Precast concrete was used for all the structure except for the foundations, which were built on site using cofferdams and pontoons.

OUR QUALITY TURN

The location and size of the bridges (Tebicuary bridge spans 3,850 ft. in length and Yacaré bridge 1,700 ft.), as well as the ground conditions, had a fundamental role during conceptual design phases. We had to work closely with construction companies to solve all structural matters minimizing costs and construction times.