

Rajang Bridge



Location

Sarawak, Malaysia

Client

Highways Planning Unit, JKR

Project Value

AUD\$40.0 Million

Start Date

January 2001

Completion Date

January 2002

Office Responsible

Cardno

Responsibilities

Feasibility study and final design and documentation (in association with KTA Sarawak Sdn Bhd and Leonhard Andrä & Partners).

Project Scope

The bridge is located on the North-South Trunk Road of Sarawak, over the largest river in Malaysia, the Batang Rajang.

The bridge is 1,194m long, comprising five river spans (100 m - 3 x 150 m - 100 m) of balanced cantilever construction and twelve approach spans (37 m - 7 x 47 m - 3 x 47 m - 37 m) of incremental launch construction. Navigation clearance of 20m is provided under two of the river spans. It carries two lanes of vehicular traffic, two cycleways and two footways, in an overall width of 14.9 m.

The bridge is a fully continuous prestressed concrete box girder with expansion joints at each abutment only. The piers of the balance cantilever spans are built in to the superstructure, while the incrementally-launched spans are supported on sliding bearings.

Design of the bridge was carried out by senior Cardno engineers located in the offices of KTA (Sarawak).

Contact

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