

Logue River Bridge Strengthening

Value \$2.2M



Works completed as Watpac Civil & Mining
Director's involvement – Tim Malseed – Operations Manager

FACTS

Name	Logue River Bridge Strengthening	Division	Civil and Mining
Client	Main Roads WA	Commenced	June 2016
Location	Logue River, 130km east of Broome	Completed	October 2016

PROJECT OVERVIEW

The Logue River Bridge Strengthening Project involved strengthening the existing bridge through the installation of carbon fibre reinforced strips under the existing deck, combined with a reinforced concrete overlay which widened the bridge to 8.6 metres between kerbs.

The works required the construction of a sealed side track across Logue River to allow full access to the bridge, along with sandblasting and protective coating of bridge piers, installation of steel dowels, new guard rails and reconstruction of the bridge approach. The completion of the bridge strengthening and widening has improved the loading capacity whilst improving serviceability and safety for local and tourist traffic.

SPECIFICATIONS

EARTHWORKS

- 0 Construction of sealed side track – 3,780m²
- 0 Reconstruction of widened bridge approaches – 540m³
- 0 Detailed abutment excavation and reconstruction – 35m³
- 0 500m² asphalt

BRIDGE STRENGTHENING WORKS

- 0 Carbon Fibre Reinforcing Strips – 780m