

## Bridges and Culverts

**Genesis Engineering** is an ethical and service oriented Consulting Engineering Company with low overheads. This enables us to deliver responsive, cost effective, high quality, and personalized services.

With offices in Cairns and PNG, we have extensive experience inspecting and designing bridges and culverts in locations such as:

- Queensland
- Papua New Guinea
- Bougainville Island
- Asia Pacific region



Flood damaged culvert replacement, North Queensland

### Capabilities:

- Inspections and Condition assessment
- Structural Load Limit Analysis
- Design and Documentation
- Project Management
- Tender documentation
- Construction Management
- Contract administration
- Engineering Certification
- Compliance inspections
- Hydrology and Stormwater Drainage
- Feasibility and Option Studies
- Value Engineering



Bridge inspection & condition assessment, PNG

### Experience:

- Inspections and Condition Assessments
- Structural Load Limit Analysis
- Condition and Rating
- Level Of Service assessment
- Design & Documentation
- Hydraulic conveyance assessment

### Clients:

- Cyclone & Disaster Relief Agencies
- Main Road Authorities
- National, State & Local Governments
- World Bank & Asia Development Bank
- Oil & Gas Companies
- Mining and Resource Companies
- Construction Companies
- Public and Private Sectors
- Industrial, Commercial & Residential



Bridge repair, PNG

### **Craig Waters**

*BEng, GradDip STT, LEng, FIEAust, RPEQ, CPEng, NER, APEC Eng, IntPE(Aus), MIEPNG, RegEngPNG*

Consulting Engineer / Project Manager

**Australia** 0422 061 961  
**PNG** 7067 6409  
**a.** 113 O'Shea Esplanade, Cairns, 4878  
**e.** [craig@genesisengnq.com.au](mailto:craig@genesisengnq.com.au)  
**w.** [www.genesisengnq.com.au](http://www.genesisengnq.com.au)