

# Six Mile Creek Bridge Replacement

## Project Overview

The Six Mile Creek bridge upgrade involved the realignment of approximately 1km of road and the provision of a new five span bridge under traffic conditions.

## Scope of Services

Brown Consulting was responsible for preparing the detailed design component of this project.

## Key Project Components

In delivering the project for the Department of Transport and Main Roads, the following activities were completed:

- Community and Stakeholder Consultation;
- Liaise with Public Utility Plan Authorities;
- Co-ordinate land resumption and prepare land resumption plans;
- Hydraulic Analysis and Design;
- Pavement Design;
- Sub-Consultant Co-ordination;
- Preparation and Certification of detailed design plans in accordance with DTMR requirements;
- Risk Assessment;
- Bridge Design;
- Road Safety Audits;
- P90 Estimates;
- Calculation of BCR;
- Detailed Design Report; and
- Project Plan for Implementation.

## Fast Facts

- **Client:** Department of Transport & Main Roads
- **Location:** Kin Kin, Qld.
- **Local authority:** Sunshine Coast Regional Council.
- **Date completed:** April 2011
- **Key responsibilities:**
  - Structural Design of a new 5 span bridge.
  - Pavement Design.
  - Civil Design of road realignment.
  - Hydraulic Analysis & Design.
  - Community Consultation.
  - Land Resumption Plans.
  - Road Safety Audits.
  - Preparation of Detailed Design Report.

