

## VICTORY CREEK WIDE CENTRELINE TREATMENT CONTRACT No. FRND211



**fgf** Developments was awarded the contract for the Victory Creek Wide Centreline Treatment, on the Bruce Highway, 10km North of Innisfail. This project involved the widening of the Bruce Highway to allow for a metre wide centreline including extensions to existing drainage structures to meet this requirement.

The scope of works involved the following major activities:

- Road embankment widening
- Cement stabilised earthworks
- Drainage structure extensions
- Asphalt and bitumen overlay

Project opportunities and challenges included:

- The project's location in the wettest part of Australia was challenging due to the high percentage of rain affected days (32days, 756mm). Works programming was the key to success in dealing with wet weather. Works were continually staged in smaller lots to limit weather exposure to opened work. An alternative to planned works of at least 2-3 days duration was always required in case rainfall affected works on the critical path.
- Special consideration of the construction procedures to be utilised in the permanent flowing Victory Creek and the management of sediment plumes, became another major obstacle to overcome. Diversion and bunding of the water flow in Victory Creek was necessary for the culvert extensions to provide a safe and dry working platform.
- A unique double pumping setup with a 400m diversion into a 1km heavily grassed drain for filtration and sediment control, circumvented any unnecessary sediment plumes from leaving the site causing environmental damage downstream.



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**Location:**

Bruce Highway - 10km  
North of Innisfail

**Client:**

Department of  
Transport and Main  
Roads

**Civil Engineering**

**Consultant:**

Flanagan Consulting  
Group

**Duration:**

12 weeks

May – August 2017