

# New Parallel Runway Project - Civil Works Package



## Location

Brisbane, Queensland

## Client

Brisbane Airport Corporation

## Commencement Date

July 2012

## Completion Date

June 2013

## Contract Value

\$50 million

**BMD Constructions completed the project on time, ahead of budget and achieved a number of important environmental outcomes.**

## Overview

Located two kilometres west of the existing Main Runway, the New Parallel Runway (NPR) delivers the capacity needed to meet the predicted continued growth in and out of Brisbane. The 2,700 hectare site stands as the largest capital city airport (in area) in Australia and this high profile project was the first step in the construction of a new runway facility at Brisbane Airport.

## Project Scope

BMD Constructions was engaged as the head contractor to deliver the \$46 million Civil Works Package for the NPR at Brisbane Airport. This challenging project involved extensive clearing, earthworks, dewatering and acid soil treatments in soft soil conditions as well as significant airside works. Scope of works included:

- approximately 6km of embankment fill and road pavement construction
- 2km of major floodway drain and outlet into Kedron Brook Floodway
- two major 1,800 diameter culvert crossings across existing runway and outlet into Moreton Bay
- 200,000m<sup>3</sup> of excavated acid sulphate soils handling and treatment
- 80ha of casuarina and mangrove clearing and mulching in wetlands
- modifications and realignment to existing runways and taxiways
- abandonment and installation of new airfield services, security fencing and drainage lines
- establishment of new grassland sanctuary for endangered Lewins Rail bird.

## Outcomes

BMD has undertaken multiple projects for Brisbane Airport Corporation and our team has fostered a good working relationship with the client, and a clear understanding of the protocols associated with airside works.

A detailed traffic management plan was developed to control internal vehicle movements, ensuring a safe work place. BMD's innovative strategy to utilise fire tracks and an existing old road in lieu of constructing temporary roads, not only saved costs, but provided a superior internal haulage network that increased daily truck movements, thus maximising productivity.

The project team implemented initiatives to protect the environment including the installation of temporary fauna bridges across the creeks to ensure fauna could escape prior to clearing.

BMD Constructions has been awarded an additional package 'Early Dredge Works' based on performance.