

# NEW PARALLEL RUNWAY CONSTRUCTION TIMELINE



## CONTENT

This Fact Sheet outlines the construction components of the New Parallel Runway:

- Site preparation
- Dredging & Reclamation works
- Ground settlement
- Design and Construction
- Commissioning

**PROJECT UPDATE**  
MARCH 2015

The new runway, taxiways, pavements and other airfield infrastructure represent the visible components of the New Parallel Runway (NPR) project but before construction can begin the underlying soft soils will be drained by wick drains and compressed by 11 million cubic metres of sand to create a solid platform on which to build.

## NPR PHASE 1 – SITE PREPARATORY WORKS

### 1. Civil Works: 1 year ALL COMPLETED

- Site compound built.
- New access roads completed.
- Site footprint cleared of vegetation.
- Major new floodway drain constructed.
- Services relocated.
- Pipeline under cross runway (14/32) completed.

- 330,000 vertical (wick) drains driven into the poor underlying soils to fast track drainage on the site.
- 11 million cubic metres of sand extracted from Middle Banks, Moreton Bay and placed at different heights across the site to achieve the required consistent ground settlement.
- Settlement monitoring plates installed to measure the extent of ground settlement.
- Sand treated with stabilising agent to prevent windblown erosion.
- Pipeline and dredge mooring removed.

### 2. Dredging and Reclamation Works: ALL COMPLETED

- Remainder of the site cleared.
- Temporary sand pipeline laid between Luggage Point and the NPR site to pump sand ashore.

### 3. Ground Settlement Period: 2 – 4 years

- Sand and wick drains left in place to consolidate the underlying soils.

Pictured: The raised platforms of sand will be the base for the new taxiways linking the NPR to the existing airport.

## NPR PHASE 2 – PAVEMENT AND AIRFIELD CONSTRUCTION: 2 – 3 YEARS

- Excess sand pushed off once required ground settlement has been achieved.
- New 3300m runway and 12 km of taxiway pavements laid.
- Airfield infrastructure including navigational aids, lighting, signage, access roads, airfield landscaping and security fencing installed.
- New approach and departure paths approved.
- New Parallel Runway commissioned and operational by 2020.

**About Brisbane Airport:** Brisbane Airport (BNE), is the premier gateway to Queensland and the third largest airport in Australia by passenger numbers. Operating 24 hours a day, seven days a week, BNE has two major terminals servicing 28 airlines flying to 41 national and 27 international destinations. More than 22 million passengers travelled through the airport in 2014. BNE was named Capital City Airport of the Year in the 2014 Australian Airports Association National Awards and rated as Australia's No. 1 airport for quality of service 10 years in a row in the Australian Competition and Consumer Commissions' annual survey.