

TAKE OFF



Aerial view of Brisbane's new runway

Welcome to the second edition of *Take Off*, keeping you updated on Brisbane's new runway. *Take Off* covers all the major milestones as we head towards the opening of the runway in 2020.

Julianne Alroe

CEO and Managing Director
Brisbane Airport Corporation



Dryandra Road underpass – artist impression

Dryandra Road Underpass

The project

- » The Dryandra Road Underpass is a road which dips beneath the soon-to-be-built Link Taxiways.
- » This will enable vehicles to continue to travel between the Domestic Terminal precinct and the airport's northern facilities, including the General Aviation precinct and the Acacia Street Plane Spotters Loop.
- » The underpass solution allows road traffic to travel beneath while aircraft taxi above.
- » Construction of the Link Taxiways, linking the new runway system with the existing runway system and terminals, effectively closes off the current Dryandra Road linkage.
- » The underpass is currently under construction and will be completed in 2018.

Dryandra Road Underpass continued

The design

Design of the Underpass has taken many factors into consideration:

- » It must be future proofed for all vehicle and aircraft variants which may use the airport hence the taxiway design capacity for up to 710 tonnes.
- » The engineering design must solve opposing forces such as:
 - Due to the high water table, the underpass must be anchored sufficiently to maintain stability.
 - The structural strength must be adequate to support the heavy loads of the world's largest aircraft.
- » The underpass must facilitate both airside and landside road traffic while ensuring all regulatory safety and security requirements are met.

The construction

The construction process involves:

- » Removing the sand surcharge to a working platform level.
- » Driving the hundreds of concrete piles to an average depth of more than 30m below ground level to anchor the structure.
- » Installing more than 700m of sheetpiles and the de-watering system to prevent the high water table flooding the work site.
- » Laying more than 1km of roadway.
- » Pouring nearly 20,000 m³ of heavily reinforced concrete to create the road floor, walls and overhead taxiway decks.
- » Relocating all the services from the existing Dryandra Road into the new underpass alignment.
- » Closing the existing Dryandra Road so this section can be surcharged in time to complete the construction of the Link Taxiways.



Dryandra Road site aerial



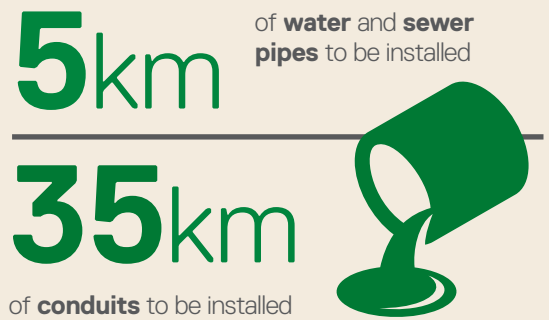
Construction of the underpass



View from the site

The facts and figures

The contractor undertaking the Dryandra Road Underpass works is **McConnell Dowell**



Over **700** piles

each made up of three x 12 metre segments have been installed



BNE and the community

Educating our community

Brisbane Airport offers free bus tours and presentations for community groups all over South East Queensland.

With over 150 projects in planning or under construction there is a lot to see and learn about your Brisbane Airport.

The free bus tours focus on current infrastructure projects, expansion plans and general airport operations. Tour groups will visit the Acacia Street 'Plane Spotters' area, the Domestic and International Terminals, the

freight and logistics precinct and the aircraft maintenance area.

The community presentations are an excellent opportunity to learn more about all the operations at Brisbane Airport plus ask any questions or provide feedback the group may have. Common questions/feedback have included: Where is the best place to wait for arriving passengers? How will the new runway change flight paths? What new airlines are coming to Brisbane?

For more information and to book visit bne.com.au/tours

Supporting our community

Brisbane Airport is proud to give back to the community we call home.

Over the past five years our philanthropic donations and strategic partnerships have totalled more than \$5 million in cash payments to more than 500 groups, schools and organisations. These organisations are making our city and our state a better place by providing life-saving aeromedical support, keeping our community safe, lifting the cultural diversity and profile of our city or by supporting members of our community who are going through a difficult time.

In FY17 Brisbane Airport donations and strategic partnerships totalled more than \$1 million and reached right across Queensland. Our key focus areas are split evenly between social welfare, health and the arts and culture.

Each March and September applications are open for the Brisbane Airport Community Giving Fund which is designed to provide much needed financial assistance to community organisations.

To apply for a cash grant or to learn about the Brisbane Airport Community Giving Fund visit bne.com.au/givingfund

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Tours of Brisbane Airport



Community Giving Fund recipients

New runway, new name

With the construction of Brisbane's new runway well underway, it is now time to start preparing pilots and the air traffic controllers for parallel operations at Brisbane Airport.

One of the first steps is the renaming of the existing runway. Currently the main runway at Brisbane Airport is referred to as "Runway 01/19". From November this year, directional initials will be added and the runway will be called Runway 01R/19L.

Why the rename? From the sky, Brisbane's new runway is becoming increasingly obvious. To aid pilots and the air traffic controllers, the directional initials will ensure the continued safe operations at Brisbane Airport.

Why is the runway called Runway 01R/19L?

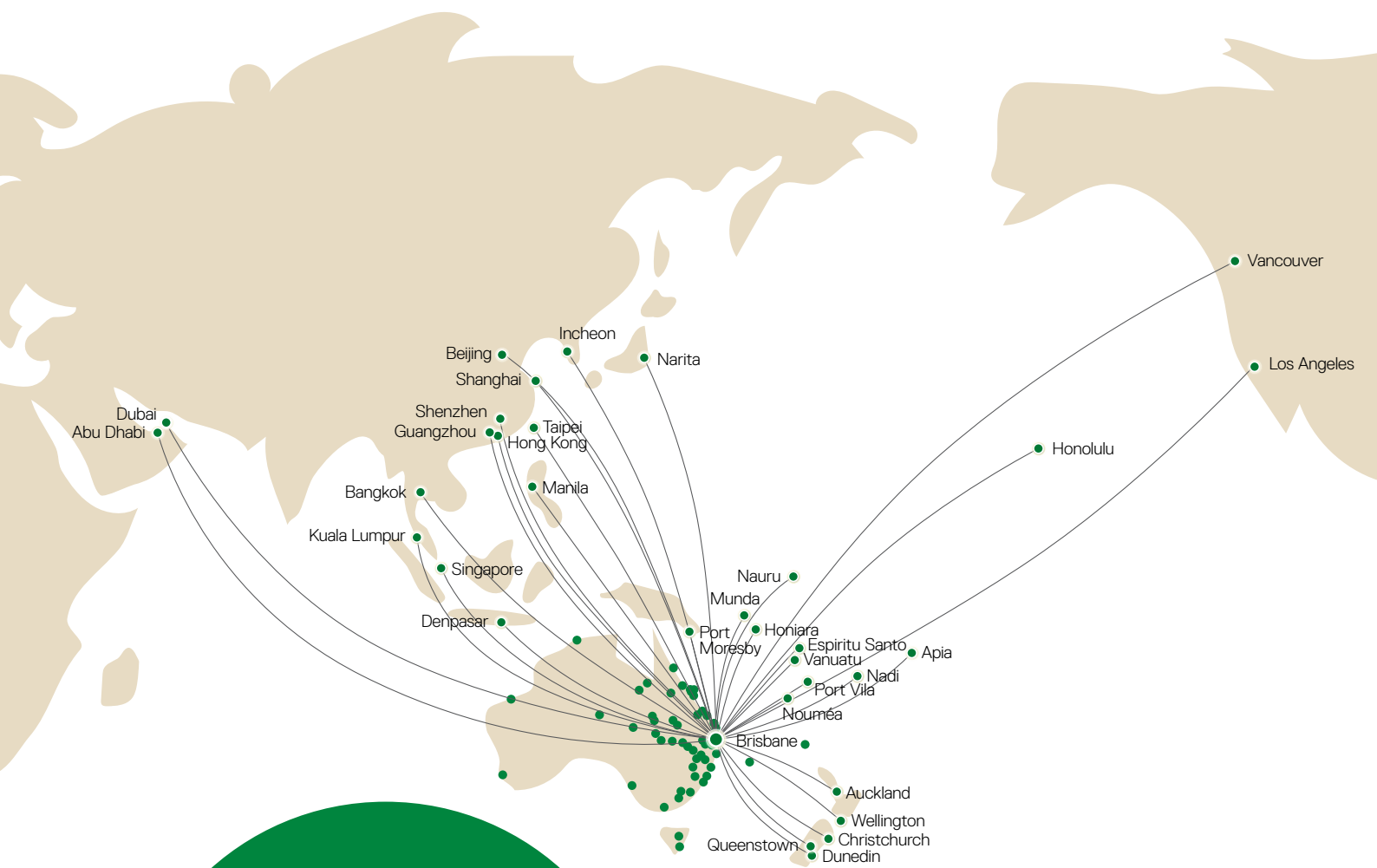
The main runway is known as Runway 01 when used in a northerly direction (towards the bay) and Runway 19 when used in a southerly direction (towards the city). Runway numbering reflects the runways' orientation and relates with the degrees on a compass. Runway 19 is 190 degrees. The 'R' means right and the 'L' means left – and this is a very simple way of telling the two parallel runways apart.

The renaming of the main runway is to ensure that when the new runway is opened, there is no confusion around which of the parallel runways air traffic control and pilots are referring to when they communicate with each other. This change will not impact passengers.

Brisbane Airport Corporation is working very closely with Airservices Australia, CASA and the airlines to make sure everyone is ready by November for the name change.



BNE TO THE WORLD



84
destinations
around the world

  **BRISBANE'S NEW RUNWAY**

Project contact details

Freecall: 1800 737 075 (Mon-Sat 6am-6pm)
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