

Brisbane International Airport Terminal Expansion

Brisbane, Queensland



Commencement
November 2005

Completion
November 2007

Value
A\$250 million

Client
Brisbane Airport Corporation Pty Ltd

Appointment
Managing Contractor

Architect
Bligh Voller Nield



Brisbane Airport Corporation appointed Bovis Lend Lease as Managing Contractor for the design and construction of the expansion of the Brisbane Airport International Terminal.

This appointment marks the continuation of the long-standing relationship with the airport, since Bovis Lend Lease (then as Civil and Civic) constructed the original Brisbane International Airport Terminal in 1995.

The expansion to the International Terminal builds upon the design philosophy of the original phase of the terminal and will produce a building with the following qualities:

- Clear passenger flows between the kerbside and the aircraft.
- A building of clear comprehension relying on minimal signage for direction.
- A balanced planning approach to appropriately locate the various functional, retail, service, operational and back of house facilities to provide optimum convenience for all terminal users.
- An incrementally expandable building to facilitate future growth.
- A commercially successful and efficient building.
- A building space to suit the convergence of large numbers of passengers.

The main terminal building will be expanded by sixty metres to the south. This will also include the upgrading and new interior building fit out to all levels of the original and new terminal building and includes the following:

- The extension of the baggage handling area to provide suitable space for outwards baggage laterals and inward baggage conveyors. The extension of the fully automated baggage handling and check-bag screening system.
- Redesign of outward immigration and security areas to suit changes to processing and increased queues.
- Two new check-in islands comprising 68 new counters and associated services.
- During the project, decanting and temporary facilities will be constructed, removed and made good as required to accommodate new offices, airline lounges, retail and processing areas while the permanent areas are being constructed.
- The expansion project will extend all four levels of the existing terminal and add to the existing accommodation all each level.
- The expanded terminal will also contain a new vertical transportation zone which includes new lifts and new travelators to all levels.

In addition, the northern concourse will be extended by an additional 225 metres to accommodate all aircraft up to and including the new airbus A380.

There are significant constraints on the construction activities, and the current airport must maintain full operational capability during the total construction phase. Bovis Lend Lease will prepare detailed plans to address the following critical issues.

- Construction activities around secured barriers are to be managed to comply with all statutory and airport regulations.
- A counter measure plan for the potential impact on construction as a result of an emergency or terrorist threat
- Excavating of the basement and the existing concourse area without disruption to the apron or ramp activities

Being involved in the original Terminal project gives Bovis Lend Lease the advantage of being familiar with the project and using staff who were previously involved.