Project Profile

Air 8000 Battlefield Airlifter and Bellman Hangars Demolition Works

Client	Laing O'Rourke
Location	Ipswich, Queensland
Duration	August 2016 to February 2019
Contract	Lump Sum Construct Only
Cost	$1.3 million

Project Overview

Air 8000 Phase 2 is a Department of Defence project to replace the retired DHC-4 Caribou specialised cargo planes and provide the Australian Defence Force with an enhanced intra-theatre and regional airlift capability. This has been achieved through acquisition of a fleet of ten new Alenia C-27J Spartan light tactical fixed wing aircraft acquired through the United States Air Force.

Laing O'Rourke was awarded the Main Operating Base Facilities project at RAAF Base Amberley, which will provide necessary working, logistics, training, maintenance and technical facilities to support the introduction of the C-27J aircraft. The new Base will included headquarters, hangar, maintenance and warehouse facilities, a new simulator and training facility, new apron, high mast airfield ground lighting and hydrant refuelling.

McMahon Services were award the service isolation, asbestos remediation and demolition works of the previous RAAF Base Amberley facilities that will be replaced by the new Main Operating Base Facilities.

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Scope of Work

Demolition works included wildlife clearance, disconnection of services, removal of assets, salvage of materials and the complete demolition and disposal of existing 54,500m² of buildings and structures including all in-ground foundations.

Demolished buildings included substations, various buildings, gymnasium, shower block, cinema, fire station, store room, workshops, equipment storage facilities, pistol club, ablutions, compressor room, sewage pump well, fuel sump and waste tank, living in accommodation, underground fuel storage tank, water storage tanks, store rooms, laundry, taxiway and apron pavements, roadways and carparks, fences, gates and signage.

Asbestos was removed from most buildings and included in-ground asbestos electrical and communication conduits, stormwater pipes, sewer pipes and water supply pipes.

Temporary accommodation facilities were provided for existing base personnel during the works. Works were delivered in seven stages to accommodate Base operations and the Laing O'Rourke construction programs.