

Project Profile

Flinders Ports Cristal Hardstand Repairs



Client	Flinders Ports
Location	Port Adelaide, SA
Duration	2 months
Contract	Existing Hardstand Repairs
Cost	\$1 million

Project Overview

Flinders Ports is the state's leading privately-owned port operator, operating seven ports in South Australia. McMahon Services were contracted by Flinders Ports to undertake hardstand repairs at the Osborne Port, located in Port Adelaide.

The project involved the rework of approximately 20,000m² of 90 tonne axle load rated hardstand, affected by subsidence at Berth 29.

The existing 25,000m² hardstand construction was completed in September 2013 and has been subjected to the stacking and movement of containers continuously since that time. The heavy loads imposed have caused the subgrade zone between four and 15 metres below finished level to undergo secondary settlement. The subsidence has created issues with stormwater runoff, container stacking and vertical alignments.

The scope of works included the following:

- › Site mobilisation;
- › Delineation of the working areas prior to commencement of site works;
- › Profile the top layers of asphalt and engineer to fill to nominal depths between 200mm to 250mm to approximately 20,000m²;

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- › Supply and placement of clean engineered fill;
- › Supply and lay two layers of asphalt;
- › Apply spray primer;
- › Supply and lay asphalt to approximately 20,000m² at nominal depth of 45mm;
- › Supply and lay asphalt to approximately 20,000m² at a nominal depth of 35mm;
- › Line marking;
- › Final clean-up of site.

The site was in an operational Maritime Security Zone and required a collaborative approach in terms of shipping schedules, internal road users and rail operations, all needing to remain priority throughout the works. McMahon Services adopted a staged approach to ensure minimal disruption to all parties.



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