



The Port Adelaide Waterfront Redevelopment, managed by Land Management Corporation contracted Austress Freyssinet as Specialist Contractor to perform concrete repair works to the existing reinforced concrete berth walls. The structural condition of the existing berth walls required significant repair to allow for relocation mooring of tug boats and associated vessels required due to extensive redevelopment of the port area including the port river expressway extension. Thorough site investigation were carried out, defining the extent of damages and required rehabilitation works. Actual condition of the bridges were also noted prior to the replacement of the elastomeric bridges.

Repair of spalled and deteriorated concrete was undertaken over the entire berth area. 370m² of defective concrete area was identified and rehabilitated. Freyssinet technicians were required to identify and remove spalled concrete to the north and south berth walls, append all corroded steel and then rebuild concrete elements using dry spray gunite. Access to undertake rehabilitation works including hydroblasting, welding and shotcreting to the berth wall was achieved using light weight scaffold fixed to floating platforms. Typically working in a marine environment significant difficulties were overcome including accommodating 3 meter tides working in and around commercial shipping and adverse weather.

Repairs

Port Adelaide Dock 2 South Australia



Client

Land Management Corporation

Consultant

Maunsell Australia

Contractor

Freyssinet Australia

Construction

Aug 2007 - Feb 2008