



DecoTEC solves traffic headache while Sydney sleeps

ABRASION SYSTEMS

REF No. D/A-2

Client: BHP Boulderstone Hornibrook
Location: Sydney City
Project: Road widening under the Art Gallery Bridge

As part of the Cross City Tunnel project, the feeder road from Sir John Young Crescent to the Cahill Expressway and Sydney Harbour Tunnel required widening. This involved extensive modification to the abutment of the Art Gallery Road Bridge.

As the work was being carried out within 1m of the carriageway, the carriageway had to be closed and that was only possible between 10.00pm and 5.00am.

The abutment consisted of five columns each 5.3m high by 600mm thick and 1.2 - 1.4m wide and weighing over 10 tonnes. Between each column was a 200mm thick curtain wall weighing over 5 tonnes, resulting in a total weight of almost 73 tonnes of concrete to be removed.

DecoTEC provided a comprehensive quote for completing all works, including cranes and lift studies to the client, which was accepted.

Despite hitting more than expected large quantities of steel reinforcements and non-structural steel which had the potential to slow us down by 40%, as well as the restriction of the available working hours, we were able to complete the job on time by mobilising more equipment and manpower and adapting our cutting techniques to suit the requirements of the job.

There were no vibrations from wire sawing so structural integrity was maintained, and noise levels did not go above those specified by the EPA. All 73 tonnes of concrete were removed to a concrete recycling plant for crushing and re-use and after treatment the concrete cutting slurry was collected and disposed of off-site, conforming to the environmental requirements.

Our client was so impressed by our execution of the job they immediately contracted us to do further large project works in the city and the Darling Harbour complex.

Please contact our Sydney head office to meet with an DecoTEC representative in your state to discuss your project:

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