

CASE STUDY: Multiplex - Westmead Redevelopment

How Multiplex made a complex worksite safer and more efficient using PORTABOOM®



BACKGROUND INFORMATION

Managing traffic and access control around the Westmead Redevelopment site is a complex operation. With two fully functioning hospitals operating within the same precinct as the new 14 story construction, a highly sophisticated traffic management plan was a necessity. This case study details how Multiplex Australasia overcame the traffic complexities of Westmead Redevelopment worksite by implementing a safer, cost-effective and better controlled traffic management solution.

In early 2018, Multiplex began construction on the Westmead Redevelopment which consists of a new central acute services building that will link Westmead Hospital and The Children's Hospital at Westmead. The precinct is very active 24/7. The two hospitals both have an accident and emergency service, general admissions and two helipads all within close proximity to the construction site. The construction site access roads of Redbank Road and Dragonfly Drive also cater for traffic of the doctors, nurses and patients accessing the hospitals.

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IDENTIFIED ISSUE

Initially, traffic management operations required five traffic controllers, plus an additional traffic controller to cover breaks. These traffic controllers managed two construction site access control points and general traffic flow on the roadway.

The traffic and access control for two gates and the roadway were operating independently. There were too many traffic controllers involved which resulted in interrupted communication between the teams. A safer, more efficient and better co-ordinated worksite was required. To enable this, it was important to remove traffic controllers from the road and improve onsite communication.



THE SOLUTION – THE PORTABOOM® SYSTEM OF WORK

Multiplex approached Traffic & Access Solutions to gain a better understanding of the PORTABOOM® system of work. Fabian Diaz, Director Traffic & Access Solutions, arranged a demonstration showing how the PORTABOOM® system of work could improve traffic management at the Westmead Hospital site and overcome the safety issues.



Fabian Diaz commented, “We first set up a demonstration in the yard to show how the PORTABOOM® system of work makes traffic control and access control safer and more efficient. As a result of that demonstration, Multiplex was confident that PORTABOOM® would solve their onsite issues. We helped them implement PORTABOOM® onsite and provided training and support to ensure a smooth transition.”

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THE OUTCOME

The worksite now has seven PORTABOOM® units cohesively operated by just two traffic controllers. Three of the PORTABOOM® units are being used for gate control, while the remaining four are used for traffic control.

Implementing PORTABOOM® has resulted in more physical control of the roadways, and the site set-up is more professional and better managed. Communication has improved as there are only two traffic controllers who are the points of contact. More importantly, using PORTABOOM® has allowed for the removal of traffic controllers from the road, providing them with a safer distance from the traffic and motorists, while the boom arm provides a physical barrier to protect the worksite. Not only that, using the PORTABOOM® system of work has derived dramatic financial savings for the client.



Traffic & Access Solutions provided training and onsite support to ensure that the implementation of the PORTABOOM® system of work at Multiplex's Westmead Hospital construction site was seamless.

For more information
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