

Project Profile

Adelaide Women’s Prison Gate Replacement



Client	Spotless Limited
Location	Northfield, Adelaide
Duration	13 weeks
Contract	Gate demolition and replacement
Cost	\$352,000

Project Overview

McMahon Services were engaged by Spotless to undertake gate demolition and replacement works at the operational Adelaide Women’s Prison in Northfield, South Australia.

The prison’s existing main gates had deteriorated over time, and rectification works had been identified to bring the gates up to current standards and compliance. The technology controlling the gates was also identified as outdated, calling for the replacement of the gate motors, vehicle loops and security cameras.

McMahon Services were required to decommission and remove the existing gates in sequential order, requiring one gate to be operational at all times. To maintain the maximum level of security required, a temporary fence was erected in order to remove and replace each gate. Once the gate, tunnel and receiving post were removed by crane, the excavation work could commence.

Due to poor weather conditions, some excavation by Vacuum Truck was also utilised, removing clay and soft mud from the bottom of the footing before a concrete binding could be poured. The gate track was set up and welded to the steel formwork to ensure minimal movement during the concrete pour, allowing for a straight, flat surface for the gate wheels to track along.

The gates were commissioned and witnessed by the client and a representative of the Department of Correctional Services during

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installation. Once the gate was in place, bitumen ramps were placed with vehicle loops, to ensure smooth vehicle transition over the track as well as preventing the gates closing on vehicles.

Given the high level security that required to be maintained and location of the worksite, extensive pre-planning of plant and materials was required, ensuring all facilities remained operational at all times. McMahon Services worked cohesively with the client and the Department of Correctional Services, further strengthening the working relationship.

