

Chadstone - Middle Road and Warrigal Road Reconstruction



Location

Victoria, Australia

Project Value

AUD\$6.3 Million

Start Date

January 2007

Completion Date

November 2007

Office Responsible

Cardno Grogan Richards

Responsibilities

Design and Documentation,
Construction

Project Scope

As part of the Chadstone Shopping Centre redevelopment, Cardno Grogan Richards was engaged by Colonial First State Property Management to oversee design and construction of external road works.

These works included the:

- Reconstruction of Warrigal and Middle Roads
- Upgrade of four signalised intersections
- Installation of one new intersection
- Alterations to the Monash Freeway on and off ramps
- Bridge works at Webster Street.

Throughout the project Cardno Grogan Richards provided civil and traffic engineering expertise, with its construction department managing the civil site works. By keeping these services in-house, communication throughout the phases was optimised and strong relations were formed with authorities, landscape architects, and other organisations involved.

These external works have dramatically improved traffic capacities on the roads surrounding the centre, with the reconstruction of Middle Road providing a strong entrance statement for the centre. This statement has been achieved through the dramatic grade separation of Middle Road from surrounding streets, landscaping, and inclusion of precast architectural panels along the high retaining walls.

While aesthetically appealing, the grade separation of Middle Road has allowed residents access independent of centre traffic, reducing congestion and improving amenity for locals. The works have also provided an appealing path for foot traffic to the centre, with disabled access carefully managed.

With Chadstone soon to become the largest shopping centre in the Asia Pacific region, these upgrades were necessary to improve access to sites 10 000 car parking spaces, and cater for growing traffic volumes.

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