

IMMANUEL COLLEGE INFRASTRUCTURE UPGRADE

**LOCATION**

Immanuel College

CONTRACT VALUE

\$1,327,700

CONSTRUCTION PERIOD

October 2011 - June 2012

FORM OF CONTRACT

AS4000-1997

CLIENT

Immanuel College

PROJECT SUPERVISOR:

Luca Radogna

REFEREE

Peter Bleckley
Immanuel College
Ph: 08 8294 3588

DESCRIPTION OF PROJECT:

Immanuel College had purchased some bigger heavier busses which were damaging the entrance road and could not turn around on the existing turning circle. The road was redesigned with a much heavier pavement and at the same time the stormwater and irrigation was redesigned. The car parks have been extended and the tennis courts stripped and reconstructed with a tournament grade surface.

PROJECT CHALLENGES:

1. During the works full access had to be maintained at all times.
2. Road works were largely completed during school holidays to minimise impact on the school drop off and sports centre access.
3. The school had a myriad of services for the sports centre, irrigation, electrical which were not marked or identified. Despite extensive locating many services were not identified. T & J Constructions had minimal service breakages throughout construction.
4. The tennis courts just required resurfacing in the initial scope of works, on assessment they required a full reconstruction to achieve the desired playing finish. This was conducted outside of the sports carnivals and completed in a very short timeframe to minimise downtime on the tennis and netball courts.

KEY CONSTRUCTION PROCESSES:

The Immanuel College Traffic Upgrade project involved extensive traffic, significant service installation (stormwater, irrigation and electrical), complex stakeholder management. The tennis courts required a very high performance surface including a painted playing surface. Traffic Management was complex as there were multiple stages which required various traffic management processes. The construction process would continually change to allow for traffic management and access with T & J Constructions adjusting their program to minimise the impact on students and parents. All council requirements were met where the entrance and exit works were completed including submitting and maintaining an approved traffic management plan on Morphett road.

Works involved in the project include;

Service Adjustments

Non-complex service relocation

At grade intersection and channelisation works

Granular and or Asphalt Pavements Pavement Construction

Cross and Longitudinal Drainage

Moderately complex worksite traffic management

Pavement construction using modified materials

High performance surfacings

Special foundation and/or subgrade and subsoil drainage treatments

Moderately complex to complex community/stakeholder management