

# 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

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## 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