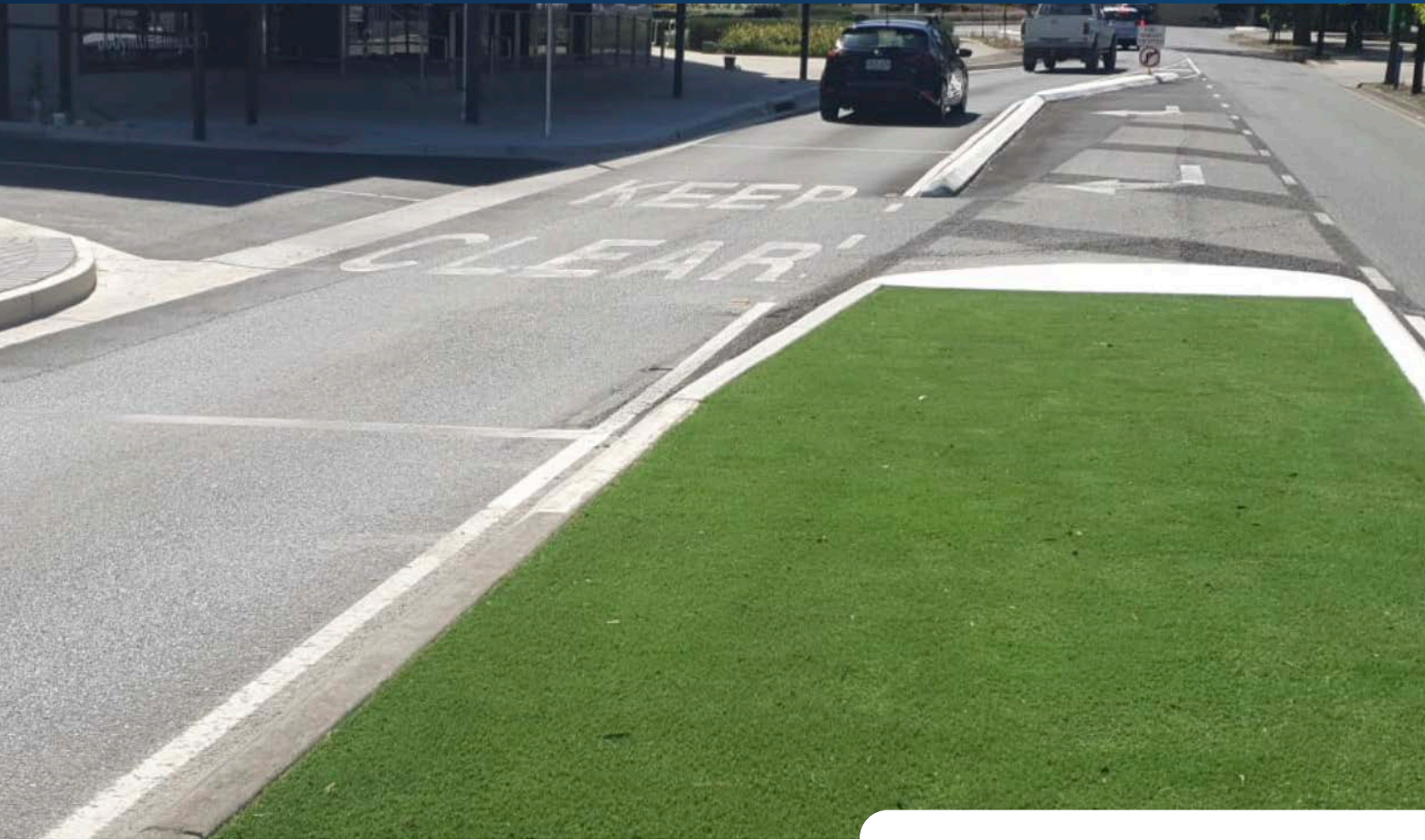


CASE STUDY #23-122

Mt Barker Homemaker Centre Road Works



Date:	August – October 2023
Duration:	3 months
Value:	\$0.45M
Project Name:	Mount Barker Homemaker Centre Road Works
Project Address:	Dutton Road Mt Barker
Project Scope:	Civil and Road Works



Kalkan's team of skilled professionals proved to be invaluable partners in the construction of our new office building. Their unwavering commitment to quality and safety ensured a seamless and successful project completion.

THE CLIENT

PROJECT OVERVIEW

Kalkan's work on the Dutton Road upgrade project encompassed various critical tasks. These tasks involved creating a new slip lane, demolishing existing infrastructure, excavating the road, installing stormwater systems, and constructing new road sections, all meeting the necessary standards. The project was executed in stages to maintain traffic flow, with full-time traffic control and some night work to minimize disruptions.

SCOPE OF WORKS

Staging, Traffic Control and Stake Holders:

Kalkan carried out meticulous planning before commencing this project, through various staging plans and traffic control plans every detail was reviewed. The project was divided into day works and night works to ensure public and stake holder safety was not compromised, and to also ensuring traffic flow via Dutton Road was maintained. Six fulltime traffic controllers assisted in the delivery of this project at its peak, with stop and go and contra-flow methodologies.

Demolition:

With the use of a hydraulic hammer attachment on our excavator Kalkan carefully executed the removal of 150mm thick concrete within the bus bay, also removed median kerbs and

concrete islands. All works were performed in precise manner to ensure public safety was not compromised.

Profiling, Excavating and DIT Spec Stormwater:

Kalkan had the task of constructing over 50 metres of roadway in short space of time. Kalkan adopted the DIT specification for the construction and installation of stormwater infrastructure, and used conventional methods of preparing base course beneath kerb and gutters. Following these works, Kalkan used a road profiler to excavate the main carriage down to underside of new asphalt course. We carried out the tasks by staging the works into 3 main stages and ensuring clear and concise communication was carried out throughout the process.

CHALLENGES AND SOLUTIONS:

- Constructing a road with live traffic around
- For this Kalkan meticulously planned and adopted various methods of traffic control implementation
- Project broken down into 3 stages:
- Stage 1: Day works was to install stormwater line and kerbing with contra-flow traffic control setup
- Stage 2: Day works was to install centre median kerb island with stop and go traffic control setup
- Stage 3: Night works was profiling and main carriage asphalt works with stop and go traffic control setup



CONCLUSION

The Mount Barker Homemaker Centre Road Works project was executed with meticulous planning and a strong focus on safety and quality. Dividing the project into stages allowed us to maintain traffic flow on Dutton Road, demonstrating our commitment to public safety. We followed strict specifications for stormwater infrastructure and demolition, ensuring precision at every step. This project's success is a testament to our dedication to excellence and stakeholder satisfaction.



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