

Chambers Flat Road Upgrade



Location

Logan, Queensland

Client

Logan City Council

Project Dates

2015

Project Value

\$12 million

Design Fees

+ \$500K

Overview

Empower Engineers & Project Managers were engaged by BMD Urban to provide all necessary design assistance to deliver the upgrade of Chambers Flat Road. The upgrade completed took the existing road from an undivided road, up to a divided carriageway dual lane arterial road, with 2 signalised intersections, providing much greater level of safety.

Project scope

The project's scope included managing design sub consultants including surveying, services location, specialist pavement, traffic and signals. Empower employed an iterative design process through the various deliverables of the project. This refinement of options surrounding areas of risk and opportunity across the project enabled BMD Urban and the end client to make clear decisions on the project's direction.

Outcomes

- The project was delivered under budget due to the value engineering measures taken, enabling the client to add in additional scope.
- Careful consideration of potential differential movement was required in areas of deep fill over existing extended reinforced concrete box culverts.
- The use of synthetic geotextiles allowed for the reduction in pavement quantities and the reduction in construction program.