

Project Role: Design, Project Management

Construction Cost: \$0.7 Million (2 Lanes)

Client: Gladstone Regional Council



## Project Description:

Glenlyon Road is a major urban transport link through the Gladstone region, connecting Callemondah in the north to Wurdong Heights in the south.

Gladstone Regional Council is exploring the potential for upgrades along Glenlyon Road to four lane, median separated carriageways, particularly the section between Bramston Street and Breslin Street/Dawson Highway.

The project entails the concept design and documentation of a divided four lane urban road, between the existing four lane road at Bramston Street, through to the major intersection at Breslin Street/Dawson Highway. The project also required production of construction documentation for the western (2 lane) carriageway of Glenlyon Road between, Ferris Street and Breslin Street/Dawson Highway, based on the four lane concept design.

## Yeats Consulting Involvement:

Yeats Consulting was commissioned by Gladstone Regional Council to undertake the four lane concept design, the two lane detailed design for

construction, as well as project management and external consultant co-ordination.

Yeats Consulting duties included road design within a constrained and highly trafficked urban environment, two signalised intersection and multiple non-signalised intersection designs, drainage design including pavement drainage and culvert analysis, pavement design, safety barrier analysis and preparation of the construction cost estimates for both the four and two lane options.

Yeats was also responsible for the co-ordination and data delivery of all external consultants including survey, geotechnical and lighting.

## Project Summary:

- Stage 1 - Design and documentation of a four lane conceptual engineering design for geometry and drainage to Main Roads standards for performance, maintenance minimisation, asset life considerations and value for money.
- Stage 2 - Development of a two lane detailed engineering design for geometry, pavements, drainage and signage to Main Roads standards for performance, maintenance minimisation and value for money.