

URBAN DESIGN

- The greening of South Road and acknowledging the cultural significance of ANZAC Highway are two of the main urban design principles which have been incorporated into the project.
- The urban design concept features numerous 'layers': there are 4 memorial plazas around the Underpass representing the Air Force, Navy and Army with the 4th plaza dedicated to the South Road Project.
- On the site of the former service station, a memorial reserve has been designed to reflect on the importance of the alliance with New Zealand. The high profile ANZAC Memorial Reserve provides an opportunity for informal reflection. It is also a regional landmark for the local community, pedestrians and motorists and acknowledges the importance of the friendship and mateship with our New Zealand comrades.
- One of the key features of the Reserve is the symbolic representation of the 'Lone Pine' which was the last tree left standing after a battle at Gallipoli in Turkey during WW1. Nine thousand soldiers were killed during the battle for Lone Pine Ridge, with 7 Victoria crosses awarded from the battle. The Lone Pine represents all those who fought and were lost in battle in any conflict involving Australians and New Zealanders. We have proposed to represent the Lone Pine with an Australian native pine, the Wollemi Pine.
- The project team collaborated closely with the State Office of the Returned Services League to develop the ANZAC remembrance into the concept design.
- Other important urban design features include patterned concrete noise walls, feature retaining wall façade panels, the inclusion of feature lighting, good quality street lighting and paving designs.

LANDSCAPE DESIGN

- One of the core features of the concept design is the 'greening' of South Road to create a tree lined 'boulevard'. ANZAC Highway consists of predominantly exotic species to honour the sacrifice of the ANZACS. South Road is to be created as a corridor honouring the native or endemic landscape predating European settlement.
- A 50 metre grid has been established across the site. This allows an ordered approach to the placement of street and feature trees and embellishes the ever present street grid that is prevalent in the surrounding suburbs of Ashford, Kurralt Park, Everard Park and Glandore. It also provides a formal setting for the ANZAC features.
- Extensive soft landscaping is proposed along the western side of South Road. The landscape composes structure and feature tree planting, shrub and groundcover planting with a pedestrian path along the entire length to provide pleasant pedestrian access along both sides of South Road.
- Landscape treatments to the immediate area surrounding the underpass is extensive and aimed at reducing the effect of large amounts of passing traffic, especially in peak times.

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- The central area around the bridge features a grove of deciduous trees (Manchurian Pears), planted in formal rows in a bed of gold gravel to reflect marching soldiers on a parade ground. The trees mark the changing of the seasons and reflect time, change, and renewal.
- A modern, simple interpretation of the Adelaide Plains landscape is proposed for areas along the remaining areas of the South Road central medians, including feature grass trees, low native grasses and a small species of Eucalyptus tree.
- The entry and exit ramps feature low maintenance planting and robust materials for the street furniture including, seating, lighting, paving materials and the like.
- Most importantly the plant selection and overall landscape design approach seeks to incorporate Water Sensitive Urban Design principles. These principles are aimed to:
 - reduce irrigation demand;
 - reduce stormwater runoff;
 - increase aquifer recharge and water table stability; and
 - select plants with low water and maintenance demands.
- The garden beds feature inorganic mulches or gravel as part of a strategy to eliminate turf completely from the project. These gravels provide a stable surface material and are not as harsh as concrete or paving.

NOISE WALLS

- A project objective is to ensure that properties within the immediate vicinity of the underpass do not experience increased noise levels as a result of the underpass, with a number of noise reduction measures incorporated.
- The type of treatments have been applied in accordance with established noise criteria.
- The main treatment will be provision of precast concrete noise walls, 3.0 metres in height to the rear of residential properties on the western side of South Road. The design of the wall finish blends with the overall ANZAC theme and existing site context.
- A 2.1m fence of colour bond or similar fencing type will be applied to some residential properties, where upgrades are necessary.
- Other noise mitigation treatments will be considered where a fence is impractical.
- Approaches have been made to all affected, individual residential property owners, to discuss noise impacts and appropriate treatment options.

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