DESIGN STATEMENT
A typical road is made up of two distinct components, the pavement and the wearing surface. Both the pavement and the wearing surface are considered as separate components because of the vastly different functions they serve and the vastly useful lives applied before the need to renew. Fundamentally, the pavement provides the strength of the road. This differs to the wearing surface, where its main purpose is to provide a durable, all weather, dust free barrier that seals and protects the pavement from moisture whilst providing a smooth driving surface.

APPLICABLE LOCATION
This typical pavement structure should be used as part of full street reconstruction projects.

A road hierarchy has been set to establish the importance of a road in terms of traffic volumes and types of vehicles they carry. Refer to Moreland City Council’s Register of Public Roads (available on the internet) to ascertain the road hierarchy.

Note: This road profile has been specified for sub-grades with a CBR value of 3% of greater. Weak sub-grades with a CBR value less than 3% will require further detailed pavement design to be approved by Council.

COUNCIL STANDARD DRAWING
SD 290A

CROSS REFERENCE DOCUMENT
- ARRB’s SRNo.41 ‘Into a New Age Pavement Design Guide for Flexible Residential Street Pavements’.

STANDARD SPECIFICATION
Refer to Notes 1&2 as detailed on the drawing on the next page for the standard specifications.

SUPPLIER
N/A

MAINTENANCE
Road Maintenance Unit: Repair failed areas of road with full depth asphalt treatment.
Street Cleansing Unit: Cleaning will be undertaken as per current schedule.
A100.01  Asphalt Pavement for Secondary Arterial Road

Subbase course to extend at least 150mm behind back of kerb

Finished asphalt surface to be 5mm above lip of channel

Stone matrix asphalt wearing course: 40mm compacted depth of size 10mm

Tack coat, if required (See Note 2)

Asphalt base course: 160mm compacted depth of size 20mm asphalt type S1

Base course: 120mm compacted depth of size 20mm FCR Class 2

Subbase course: 120mm minimum compacted depth of size 20mm FCR Class 3 or rolled concrete (See Note 1)

Subgrade to be prepared as specified

Moreland City Council