

ROAD PAVEMENT DESIGN SPECIFICATION

1) General

- a) Road asphalt shall be designed in accordance with MRWA Engineering Note.9 and meet the minimum design life as specified.
- b) Road pavements shall be designed in accordance with MRWA Engineering Note.9 and meet the minimum design life as specified.
- c) Design of the pavement shall involve consideration of the following five inputs:
 - i) Design Traffic Loading
 - ii) Sub-Grade Evaluation
 - iii) Environmental Impact
 - iv) Pavement and Surfacing Material
 - v) Construction and Maintenance
- d) Road pavement design shall be carried out by a qualified engineer with appropriate knowledge of pavement design in the local environment.
- e) The pavement design, including all considerations, assumptions, sub-grade test results, calculations, detailed drawings and any other relevant documentation shall be submitted to the City of Perth for endorsement prior to the commencement of construction and/or procurement of materials. Drawings provided shall clearly indicate the structure, material types and thickness of each layer of the proposed pavement and surfacing. Any variation to these requirements may be accepted by the City of Perth in special circumstances.
- f) Rigid pavement design may be considered in special circumstances, through consultation with the City of Perth.

2) Surface, Base Material, Subgrade & Earthworks

For specification of the road surface and base material refer:

- MRWA Specification 501 - Earthworks
- MRWA Specification 302 - Earthworks