Council

ASSET HIERARCHIES AND LEVEL OF SERVICE DOCUMENT

2024 ASSET HIERARCHIES AND LEVEL OF SERVICE

Meeting Date: 24 September 2024

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2024

Shire of Plantagenet

Asset Hierarchies
And
Level of Service

Shire of Plantagenet

Table of Contents

1 Introduction

To manage the Shire of Plantagenet's assets efficiently and in line with good fiscal policy, Council requires guidelines to define an Asset Hierarchy (AH) and an achievable Level of Service (LoS). These guidelines will act as a reference and guide to the decision-making process for upgrades, renewals or a demand for a new asset.

As the population of the Shire of Plantagenet (SOP) increases, demand on assets increase. Therefore, a well-considered approach to long-term asset management is required. To assist in achieving this, a hierarchy has been developed for roads, footpaths, drainage, public open space, buildings and waste.

This document will outline the **minimum** standards to be applied when maintaining, renewing, upgrading existing assets, and developing new assets.

There is a need to keep abreast of modern technologies in road construction and maintenance, with an increasing population and dwindling resources. The challenges facing local governments (LG) to maintain the existing LoS are demanding at all levels, whether it be staffing or supply of materials.

2 Purpose

The purpose of the AH is to establish standards for the construction and maintenance of the Shire's assets. The AH supports the prioritisation of resources to maintain road safety and efficiency whilst balancing the budget. The categories of hierarchies have been developed as listed below.

- Roads are based on the hierarchy developed by Main Roads WA (MRWA) and the Western Australian Planning Commission (WAPC).
- Public open space references the WAPC's *Liveable Neighbourhoods* policy.
- Drainage references the Austroads Drainage guidelines.
- Buildings refers to the Australian Building Codes, sourced through the Department of Mines, Industry Regulations and Safety (DMIRS).
- Waste references the waste licensing and approvals issued by the Department of Water and Environmental Regulation that govern waste disposal and management.

The AH is supported by priorities identified in the Shire's Community Strategic Plan (2022/2023 - 2032/2033) as listed below.

- Ensure Council buildings, facilities and public amenities are provided and maintained to an appropriate standard.
- Maintain and further develop Shire roads, drainage and pathways at appropriate standards.
- Develop and maintain flexible public open space for all to enjoy.

In addition, the Corporate Business Plan 2022/2023 - 2025/2026 states at Strategy 2.4.2.1 - 'Asset management and rationalisation plan developed for all Council facilities'.

3 Population Growth

Using the Australian Bureau of Statistics (ABS) data, starting in 1991 through to the present the Shire's population has grown by an average of 6.02%. The ABS estimates the population growth from the 2021 Census to the present at 10.36%.

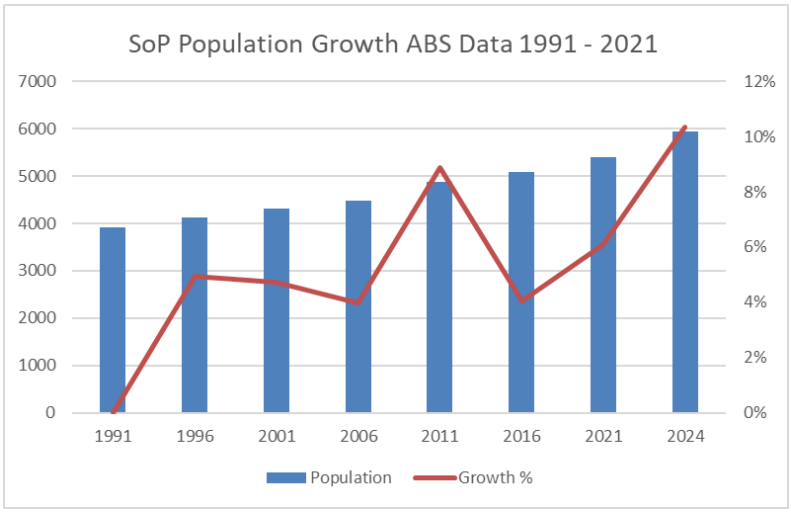


Figure 3.1 Population Growth in Shire of Plantagenet from 1991 to 2024

Note - the 2022 data is an estimate from the Australian Bureau of Statistics.

By averaging the population growth presented in the past six ABS Census', a forecast growth of 7.20% over the next 10 years can be expected. This will increase the Shire's population to an estimated 11,500 as compared to the population reported by the 2021 census of 5,388. This increase suggests there will be a significant increase in expectations and demand on Shire assets.

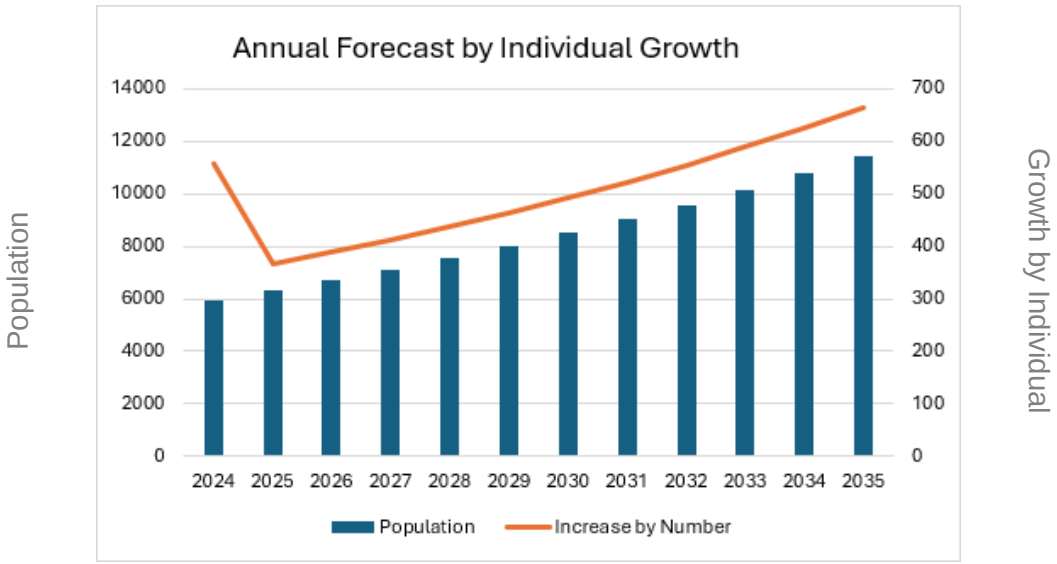


Figure 3.2 Forecast Population Growth in Shire of Plantagenet from 2024 to 2035

Access to local resources to assist in maintaining the current LoS may become more difficult with the need to balance environmental impacts and requirements against demand. One of the major factors involved in developing and expanding the Shire's asset infrastructure may

be clearing land. Clearing offsets are often required as a condition of a clearing permit under the Environment Protection Act 1986.

4 Naming Conventions

There are currently no naming conventions for buildings. Buildings are named after the occupant/tenant or previous occupant/tenant. Some of the newly constructed buildings have names such as 'New Shed'. Many of the names have historically been used by a third-party consultant and have then been adopted by Shire staff in the Asset Register.

Roads and public open space (reserves) naming ID is governed by Council Policy I/RR/1 Future Street and Reserve Names.

It is proposed that one policy be used to outline the naming conventions of all Shire roads, public open space and buildings according to the guidelines of the Geographic Names Committee (GNC).

5 Level of Service

The Level of Service (LoS) is the outcome received by users of a particular service which provides the basis for all life cycle management activities. The *International Infrastructure Management Manual* (IPWEA, 2015) defines the level of service as "the parameters or combination of parameters that reflect social, political, economic and environmental outcomes that the organisation delivers."

Service levels are a key element of an Operations and Maintenance Strategy. They provide guidance and specify the level of delivery which should be provided by Council for a particular asset type.

As detailed below, service levels can be defined in three ways.

1. Community LoS - relate to how the community receives the service (eg roads, street lighting, parks) in terms of safety, quality, quantity, reliability, responsiveness, cost/efficiency, and legislative compliance.
2. Technical LoS are developed to ensure that the minimum community levels of service are met. A Technical LoS is associated with the physical characteristics of an asset and can also be a maintenance service level.
3. Response times - time taken to respond to a problem, defect, or request.

5.1 Community Level of Service

Community LoS provides the basis for the life cycle management strategies and works programmes identified within the Council's Asset Management Plan (AMP). LoS supports the organisation's strategic goals and is based on:

- Community expectations of expected quality and cost of services.
- Strategic and corporate goals.
- Legislation requirements, regulations, environmental standards and industry and Australian Standards that impact asset management.
- Design Standards and Codes of Practice.
- Ability of Council to fund maintenance and operational activities.

LoS are used to:

- Inform customers of the proposed type and quality/quantity of service to be offered.
- Identify the costs and benefits of the services offered.
- Allow customers to assess suitability, affordability and equity of the services offered.

The LoS will be refined over time to match the expectation of customers. This requires a clear understanding of customer needs, expectations, preferences, and a willingness to pay for any increase in the levels of service.

Community expectations of levels of service may include things such as: style; appearance; level of cleanliness; maintenance responsiveness; quality and type of consumables; safety; and accessibility.

Using playing fields and open spaces as an example, the following may apply.

Quality	• Ensure turf surfaces are suitable for sporting, recreational and community activities • Quality of pitch and playing surfaces • Rubbish and graffiti free • Green and vegetated open spaces that are weed free
Function	• Availability for training, games, and functions • Ensure all amenities are fit for purpose
Safety	• Free of health hazards • Level playing field free of potholes and physical hazards ensuring the safety of the user • Environmental health concerns regarding the use of chemicals

Currently, service levels for the renewal and upgrade of provision of new assets, maintenance, and operational works involving infrastructure assets are reviewed every four years when the Shire undertakes a Market Review on its performance as reported by the community. As part of this review, the Shire undertakes community consultation.

5.2 Technical Level of Service

Technical LoS are developed to ensure that community expectations can be met and maintained. These standards incorporate legislative statutory requirements, Australian Standards and Codes of Practice. They can also be aligned with: quality, aesthetics, quantity, reliability, safety, responsiveness, capacity, environmental acceptability, and fitness for purpose.

If using the previous example of playing fields, open space and reserve use, technical service levels may include requirements for:

- Construction soil profile
- Grass species
- Mowing
- Top dressing
- Weed and pest control
- Irrigation
- Fertiliser

To break it down further and depending on the type of reserve, the technical LoS for mowing may specify the type of mower to be used, and the height of the grass.

For buildings technical LoS may be influenced by visual requirements, security, and temperature levels.

Once technical LoS are determined, decisions can be taken on the activities necessary for each asset to meet the service standards.

If community LoS do not exist operations and maintenance teams may identify, based on an understanding of the issues associated with different assets, some operational or technical measures of their own. These technical measures may relate to service criteria such as quality, availability, and safety and then are applied within the available budget.

It is preferred that an AH be used as the basis for determining the various standards across the asset portfolio in line with relevant risk factors, while having regard to the significance of the asset to the community.

The technical LoS currently in use by Shire staff are discussed in the appropriate appendix for the asset type.

6 Roads

The Shire manages 1,868 kms of road, both sealed and unsealed (gravel and paved) and unformed (natural soils). The existing road hierarchy for the Shire of Plantagenet was developed in 2006. Since its development, standards have changed in road maintenance, construction, and safety which have not been reflected in the hierarchy.

Following a resolution of Council in 2023, the Shire registered with the Western Australian Local Government Association (WALGA) as a RoadWise Council. Not only does this demonstrate the Shire's commitment to working towards best practice road safety but it also aligns with the Council's Corporate Business Plan. A RoadWise Council identifies priorities listed in the State Road Safety Strategy for Western Australia which in turn, is underpinned by the Safe System approach to road safety.

The Safe System approach is based on the following principles.

- People make mistakes and should not die or be seriously injured as a result.
- The human body has limited physical tolerances.
- The road network needs to provide second chances and forgiveness.
- Road safety is everyone's responsibility.

Incorporating Safe System principles to the Shire's road hierarchy will guide the safety improvements of the local road network through road planning, construction, and maintenance.

Crash Data

As reported in Table 6.1 below, the predominant crash type in the Shire of Plantagenet from 2018 to 2022 is run-off road crashes.

Table 6.1 Crash Statistics - Shire of Plantagenet

Crash Nature	Fatality & Serious Injury	Medical Crash	Property Damage Only
Unknown	0	0	5
Head On	0	0	1
Hit Animal	1	2	6
Hit Object	9	9	15
Hit Pedestrian	0	0	0
Non-Collision	2	1	3
Rear End	0	0	3
Right Angle	0	3	11
Right Turn Thru	1	0	1
Sideswipe Opposite Direction	0	0	0
Sideswipe Same Direction	0	0	5
TOTAL	**13**	**15**	**50**

Some possible contributing factors to run-off-road crashes include narrow lanes, unsealed shoulders, and poor visibility of lane markings. In some cases, the engineering design may contribute, for instance the superelevation of the road may be insufficient, or the alignment of the road may be deceptive (Austroads, 2021b, p.42). Speed contributes to both the likelihood and severity of a run-off-road crash (Austroads, 2016b, p.9).

Primary treatments for this crash type are appropriate clear zone and flexible roadside barriers, and roadside hazard barriers. Supporting treatments include, but are not limited to, wide run-off areas, wide sealed shoulders, chevron alignment markers, guideposts, profile edge-line, and a lower speed limit (Austroads 2016a, p. 83).

Safety Standards

The safety standards listed below are to be considered across all Council managed roads. The standards will ensure that there is clear visibility to oncoming traffic; advisory and warning signs are clearly visible and have the required reflectivity for night time visibility; and sightlines at intersections are free from obstructions.

- Vegetation should be managed to MRWA Standard for Highways and Main Roads, Signage, Curves, Intersections. Ensure vegetation is pruned to *MRWA Standard Drawing 201928-0037 Tree Pruning* to ensure that sightlines are maintained. Managing vegetation is paramount if the delineation devices installed are to be effective.
- Guideposts should be installed and maintained as per *AS1742.2 Manual of uniform traffic control devices, Part 2: Traffic control devices for general use* Clause 4.2.4.4(a), MRWA 5F-22 Oct 2021.
- Centre lines and edge lines along with guideposts provide long range guidance on changes in the road alignment or conditions, allowing drivers to make any necessary adjustments. On narrow roads where line marking is absent, guideposts provide for both long and short-range delineation ensuring the driver can make changes to allow for the road alignment.
- Signage to be installed and maintained *to AS 1742.1:2021 Manual of uniform traffic control devices, Part 1: General introduction and index of signs*. Legibility of signs will impact the driver's ability to read and comprehend the message the sign is relaying; the more visible and legible the sign the less attention is required to comprehend the information, so the driver is not distracted from the road.
- Maintaining edge break and edge drop on the sealed road network will assist in reducing the risk of casualty crashes on rural roads. Roads which are used by heavy vehicles may benefit from shoulder sealing. This will provide space for emergency manoeuvres and ensure a constant surface to traverse without losing traction. Wider seals minimise moisture ingress into the pavement along the outer wheel path where most of the rutting and shoving occurs; not only will this make for a safer road but will also reduce the maintenance requirements long-term.
- Barriers across culverts and steep shoulder embankments should be installed using *MRWA Supplement to Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers.*
  - Major culverts with a span greater than three metres and more than one metre of cover. If the slope to the drain is 4:1 or steeper, most vehicles entering will be expected to reach the bottom of the drainage area.
  - Steep embankments - if the batter slope is steep enough to cause a vehicle to overturn, a safety barrier should be considered (Austroads 2009b).

Nested W Beam Layout is the preferred safety barrier system as these require less maintenance than a Wire Rope Safety Barrier.

A sign and guidepost renewal program will be developed to replace ageing and non-compliant signs. This will be undertaken with the capital works program. A budget allocation

for sign and guidepost renewal will ensure the work can be carried out with the capital works programme.

Development and Criteria of the Road Hierarchy

The Road Hierarchy considers a LoS for each road. Within the hierarchy, roads are assessed and grouped into different classes of use and features. The hierarchy aims to provide a balanced approach between:

- Origin and destination
- Safety and user comfort
- Capacity
- Speed
- Environment.

LG require a similar hierarchy to MRWA. This enables the funding bodies to assess against similar criteria so they can prioritise funding requirements. As traffic increases and the type of vehicles using the road network changes, a clear hierarchy assists to identify any upgrades required. This assists the LG to allow for medium to long term planning for improvements to the road network.

Hierarchy Categories

MRWA has developed the following six road type categories.

- Primary Distributor (built up and rural areas)
- Regional Distributor (rural areas)
- District Distributor A (built up areas)
- District Distributor B (built up areas)
- Local Distributor (built up and rural areas)
- Access Road (built up and rural areas).

MRWA manage the Primary Distributor Network. Primary Distributor Roads allow for large volumes of traffic movement between regions whilst strategic freight routes cater for long distance heavy haulage.

For efficient management of the Shire's road network, a hierarchy has been developed based on MRWA above and the WAPC. The Shire road hierarchy supports the prioritisation of resources to balance budget with road safety and efficiency. The hierarchy covers the following:

- Regional Distributor Roads
- Local Distributor Roads
- Local Access Roads.

Local Access Roads have been further refined to cater for variations in use for urban and rural roads. These include Local Access Roads A, B and C.

Roads not considered in the hierarchy list are:

- MRWA controlled roads
- Department of Biodiversity Conservation and Attractions (DBCA) controlled roads
- Private roads
- Unconstructed road reserves.

6.1 Community Level of Service

Community expectations are that the road network will be maintained to a safe but affordable standard to an appropriate level determined by the road hierarchy.

6.2 Technical Level of Service

The following service levels apply to the various road hierarchy types.

Regional Distributor Road

A Regional Distributor is a rural road that links a Primary Distributor Road to important destinations. Their function is to carry produce and people beyond regional areas.

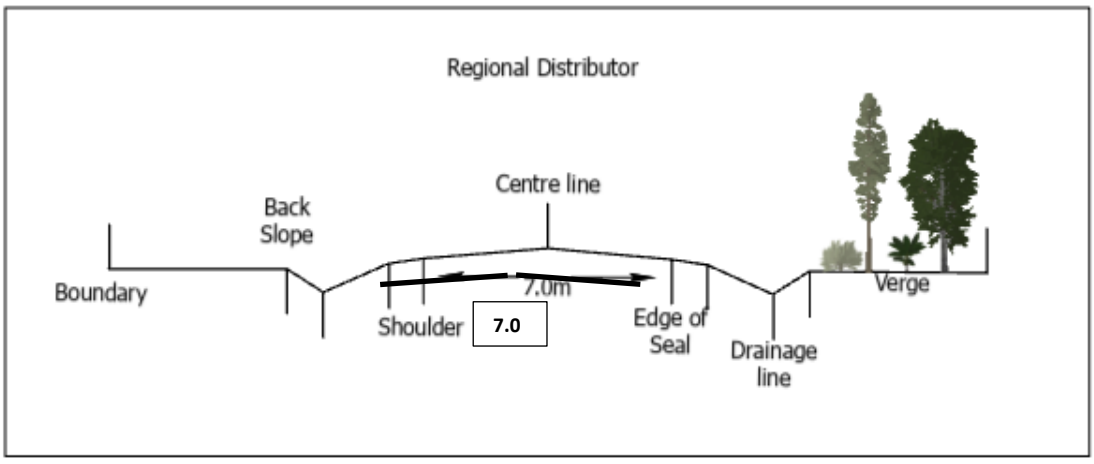
The road is designed to carry all classes of vehicle from Class 1 Passenger Vehicles through to Class 11 Multi Combination Road Trains.

Traffic

>200 AADT (Annual Average Daily Traffic)

Technical Level of Service

- Bituminous seal to 7 metres wide
- Shoulder width 500mm either side of the seal
- Two coat bituminous seal 14mm and 10mm chip seal
- 300mm pavement
- Centre line and tram lines with consideration of audible edge lines



Local Distributor Road

A Local Distributor is a rural or urban road that links Regional and District Distributor Roads.

A Local Distributor Road should discourage through traffic and be able to accommodate busses but discourage articulated truck movement.

A Rural Distributor Road should connect to other Rural Distributor and Rural Access Roads but not back to Regional Distributor Roads.

Traffic

<150 AADT

Technical Level of Service

Urban LD Roads

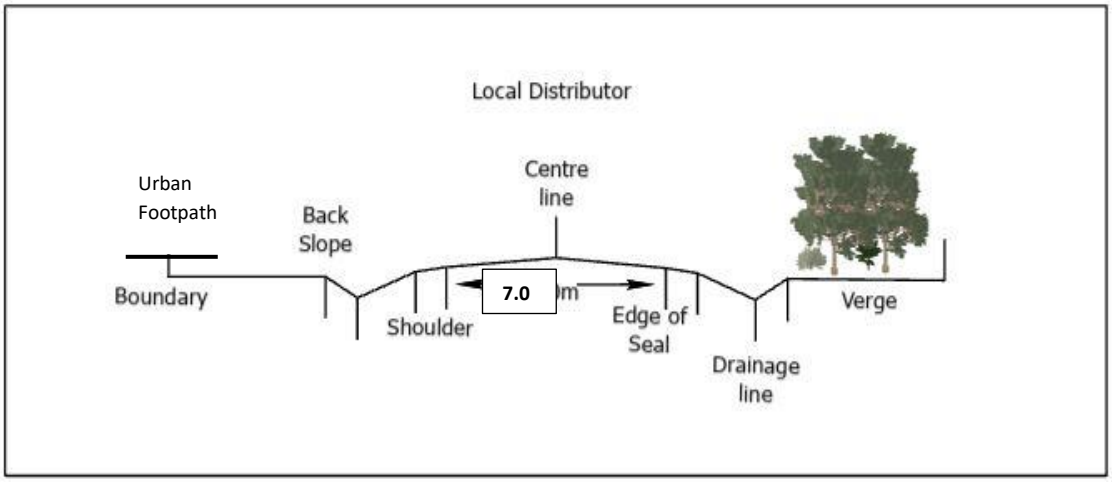
- Two coat seal
- Urban roads 10mm and 7mm chip seal
- 300mm pavement
- On street parking
- Kerbed both sides
- 1.8m footpath

Rural LD Roads - Sealed Surface

- Two coat seal
- Rural roads 14mm and 10mm chip seal
- Sealed roads 200mm compacted gravel pavement

Rural LD roads - Gravel Surface

- 200mm pavement
- 3 grades per year



Urban Access Road A

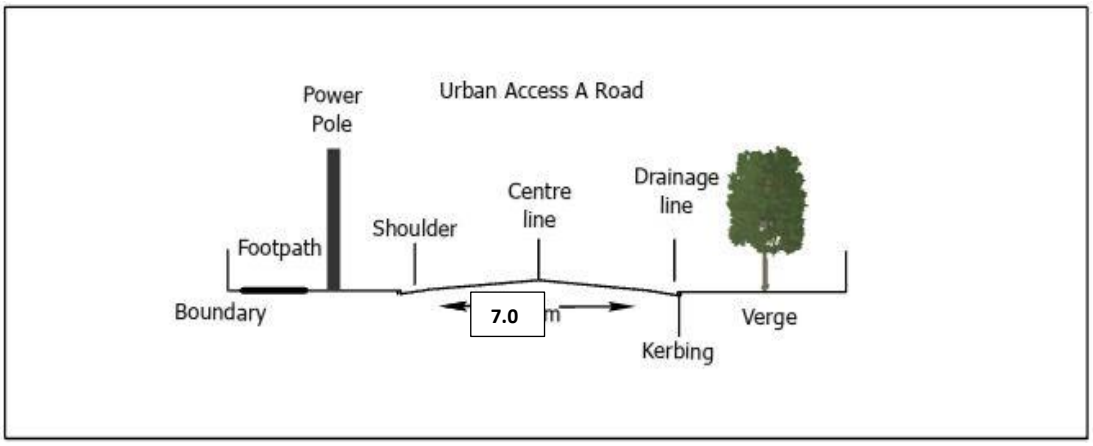
An Urban Access Road A provides access to adjoining properties and is bicycle and pedestrian friendly. The road should discourage through traffic and articulated truck movements, and be able to accommodate busses.

Traffic

>150 AADT

Technical Level of Service

- 7m wide seal
- 200mm pavement
- Two coat seal, 10mm and 7mm seal
- On-street parking
- Kerbed both sides



Urban Access Road B

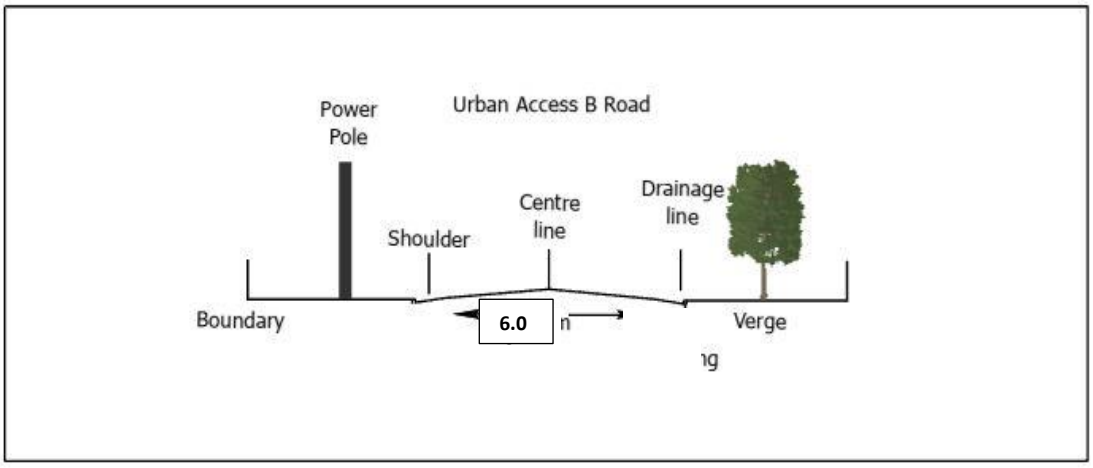
An Urban Access Road B provides access to adjoining properties and is bicycle and pedestrian friendly. The road should discourage through traffic and articulated truck movements and be able to accommodate busses.

Traffic

101 to 150 AADT

Technical Level of Service

- 6m wide seal
- 200mm pavement
- Two coat bituminous seal, 7mm and 10mm chip seal



Urban Access Road C

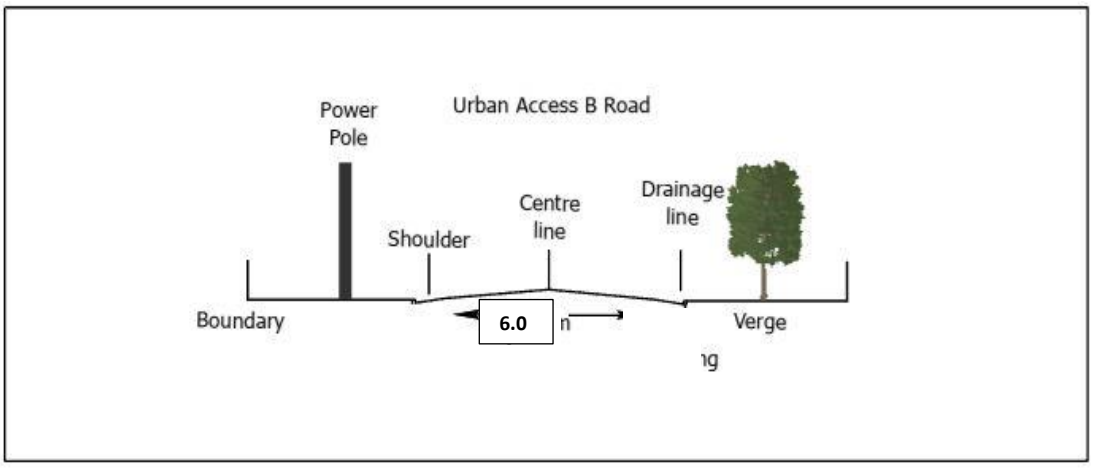
An Urban Access Road C provides access to adjoining properties and is bicycle and pedestrian friendly. The road should discourage through traffic and articulated truck movements and be able to accommodate busses.

Traffic

<101 AADT

Technical Level of Service

- 100mm gravel pavement
- Two grades per year



Rural Access Road A

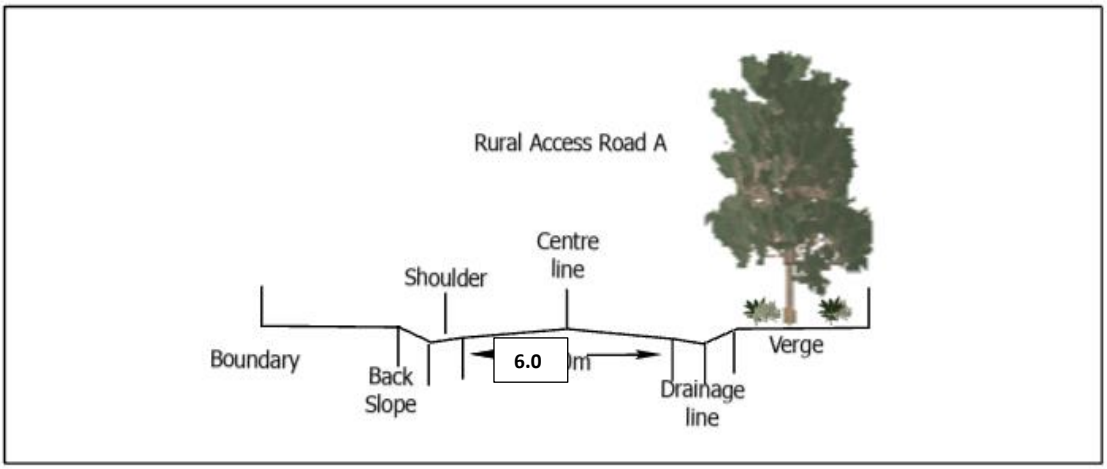
A Rural Access Road A provides a link to distributor roads and access to adjoining properties. The road provides for the movement of farm machinery and produce.

Traffic

>100 AADT

Technical Level of Service

- Consideration to seal (refer to Table 6.3.1 Road Upgrade Criteria)
- 200mm pavement
- 3 to 4% cross fall



Rural Access Road B

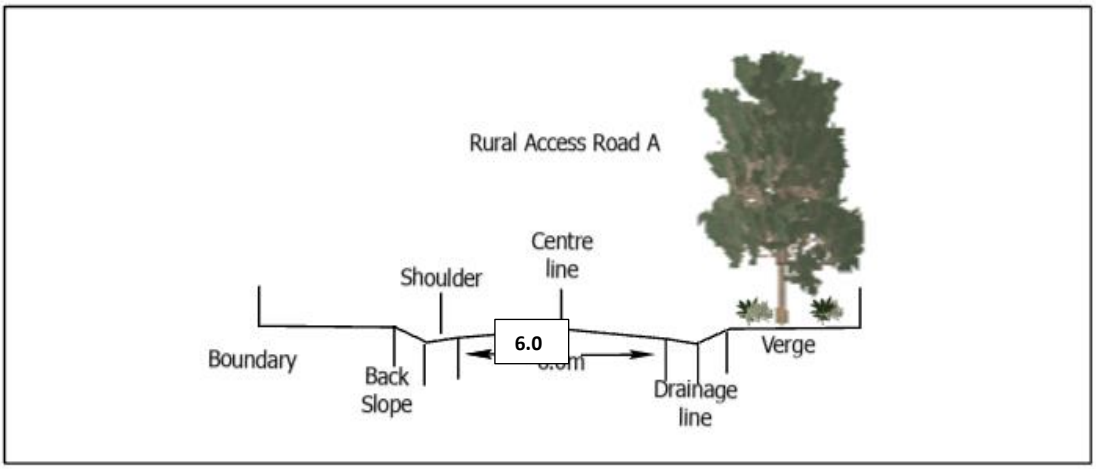
A Rural Access Road B provides access to adjoining properties. The road provides for the movement of farm machinery and may link to a Rural Access Road C.

Traffic

AADT 26 to 100

Technical Level of Service

- 6m wide pavement
- 100mm pavement
- 3 to 4% cross fall
- Paved surface
- Two grades per year



Rural Access Road C

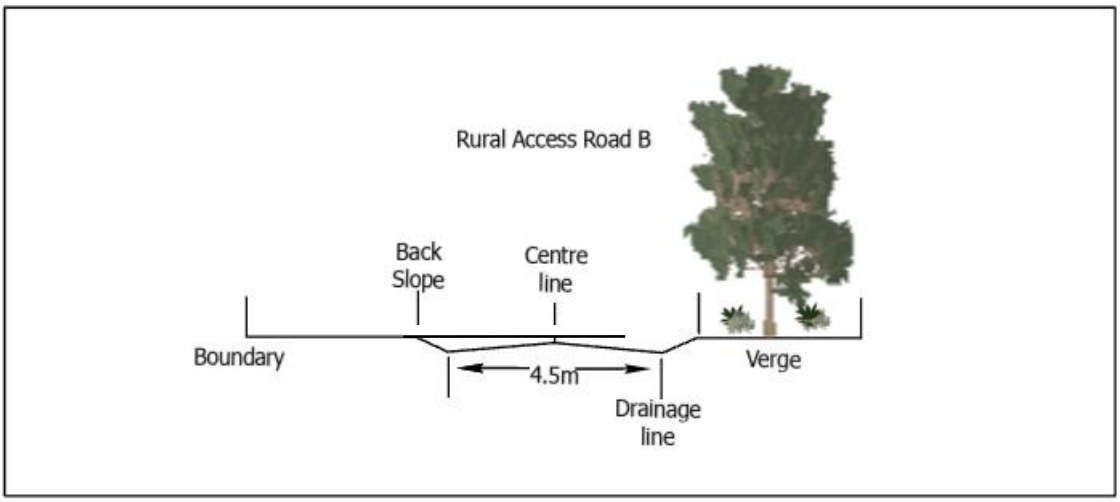
A Rural Access Road C provides access to adjoining properties. The road provides for the movement of farm machinery.

Traffic

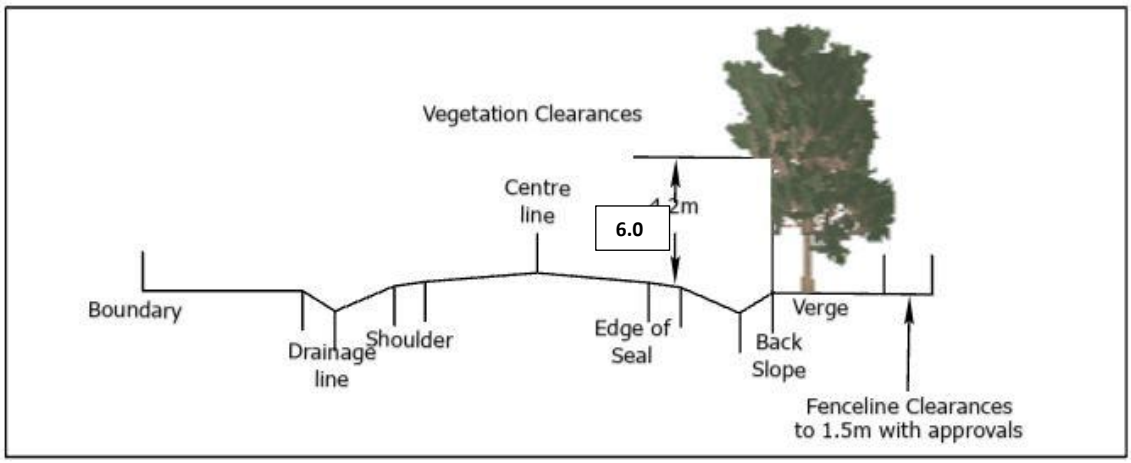
AADT <25

Technical Level of Service

- 4.5m wide
- Natural surface
- One way cross fall at 3 to 4%
- One grade per year



Vegetation Management



Vegetation on road verges is to be managed in-line with MRWA specifications to a minimum of six metres of height clearance vertically from the backslope.

The picture above shows a verge with recently mulched/pruned vegetation.

6.3 Road Hierarchy

The Road Hierarchy acts as a guide to the service levels for asset maintenance and construction. Roads that cater for freight and passenger vehicles are constructed and serviced to a higher level than a road that primarily caters for local household commuter/access roads.

Road Hierarchy List

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
REGIONAL DISTRIBUTOR (RD)						
CHILLINUP RD	0	17750	CHESTER PASS RD	ALBANY SHIRE BDY	RD	17.75
FRANKLAND - ROCKY GULLY RD	0	7000	SHIRE BOUNDARY - CRANBROOK	MUIR HWY	RD	7.00
NORNALUP RD	0	13780	MUIR HWY	SUEZ RD (DBCA BDY)	RD	13.78
RED GUM PASS RD	0	14610	LAKE MATILDA RD	DBCA STIRLING RANGE NP BDY	RD	14.61
SETTLEMENT RD	0	18830	ALBANY HWY	YUNGUP NORTH RD	RD	18.83
WOOGENELLUP RD	70	36890	ALBANY HWY ROUNDABOUT	CHESTER PASS RD	RD	36.82
TOTAL LENGTH						**108.79**
LOCAL DISTRIBUTOR (LD)						
BEVERLEY RD	0	4360	ALBANY HWY	HUGHES RD	LD	4.36
BLUE LAKE RD	0	1560	DENMARK-MT BARKER	END OF SEAL	LD	1.56
BOYUP RD	0	13710	MUIR HWY	STURDEE RD	LD	13.71
CARBARUP RD	0	14000	BEVERLEY RD	WOOGENELLUP RD	LD	14.00
CHORKERUP RD	0	4790	ALBANY HWY	SIDING RD	LD	4.79
EULUP - MANURUP RD	0	16680	MUIR HWY	BOYUP RD	LD	16.68
HANNAN WAY	0	1400	ALBANY HWY	NEWMAN RD	LD	1.40
HAY RIVER RD	0	8480	ST WERBURGHS RD	SPENCER RD	LD	8.48
JACKSON RD	0	6100	ALBANY HWY	OLD COACH RD	LD	6.10
LAKE MATILDA RD	0	10870	HUGHES RD	CRANBROOK SHIRE BDY	LD	10.87
LANGTON RD	0	2740	LOWOOD RD	MUIR HWY	LD	2.74
LOWOOD RD	0	1770	ALBANY HWY NTH	ALBANY HWY STH	LD	1.77
MALLAWILLUP RD	0	27540	MARTAGALLUP RD	POORARECUP RD	LD	27.54
MARTAGALLUP RD	0	10650	ALBANY HWY	CRANBROOK SHIRE BDY	LD	10.65
MCDONALD AVE	0	1630	LOWOOD RD	TAYLOR RD	LD	1.63
MONDURUP ST	0	930	LOWOOD RD	MARMION ST	LD	0.93
MOUNT BARKER RD	0	5930	LANGTON RD	ST WERBURGHS	LD	5.93
NARRIKUP RD	0	7030	HANNAN WAY RD	CHORKERUP RD	LD	7.03
NEWMAN RD	0	440	HANNAN WAY	SPENCER WAY	LD	0.44
OATLANDS RD	0	1560	ALBANY HWY	SOUNNESS ST	LD	1.56
ORMOND RD	0	1080	ALBANY HWY	MARTIN ST	LD	1.49
PALMDALE RD	0	13900	STIRLING SCHOOL RD	ALBANY SHIRE BDY	LD	13.90
PARDELUP RD	0	1590	MUIR HWY	DEPT CORRECTIONS CROSSOVER	LD	1.59
PERILLUP RD	0	9400	MUIR HWY	ROCKY GULLY RD	LD	9.40
PILE RD	0	9340	MUIR HWY	SEYMOUR RD	LD	9.34
POORRARECUP RD	0	8450	PERILLUP RD	CRANBROOK SH BDY	LD	8.45
PORONGURUP RD	0	28180	SOUNNESS ST	CHESTER PASS RD	LD	28.18
SIDING RD	0	550	CHORKERUP RD	CITY OF ALBANY BDY	LD	0.55
SPENCER RD	0	19080	ALBANY HWY	DENMARK-MT BARKER RD	LD	19.08
STURDEE RD	0	10720	ALBANY HWY	BOYUP RD	LD	10.72
TAYLOR RD	0	1080	LANGTON RD	MUIR HWY	LD	1.08
THE SPRINGS RD	0	16170	BLUE LAKES RD	SEYMOUR RD	LD	16.17
YELLANUP RD	0	24000	ALBANY HWY	CHESTER PASS RD	LD	24.00
TOTAL LENGTH						**286.12**
URBAN ACCESS A (UA-A)						
ATHELTON ST	0	160	HASSELL ST	HAESE ST	UA-A	0.16
BONNYUP ST	0	190	HASSELL ST (NORTH)	HASSELL ST (SOUTH)	UA-A	0.19
BOOTH ST	0	840	ALBANY HWY	EASTERN BOUNDARY No 41	UA-A	0.84
DEANE ST	0	1050	INGOLDBY ST	OATLANDS RD	UA-A	1.05
DONNELLY PEAK VW	0	160	INGOLDBY ST	HENTON PEAK HEIGHTS	UA-A	0.16
EATON AVE	0	220	LANGTON RD	MARION ST	UA-A	0.22
FELLOWS ST	0	170	OATLANDS RD	PARSON ST	UA-A	0.17
GORMAN ST	0	80	LANGTON RD	NORTHERN CROSSOVER No 31	UA-A	0.08
HAESE ST	0	460	HASSELL ST	ATHELTON ST	UA-A	0.46
HASSELL ST	0	2020	NARPUND RD	MILLS ST	UA-A	2.02
HENTON PEAK HTS	0	180	DEANE ST	CUL-DE-SAC	UA-A	0.18
HICKS CL	0	70	LOWOOD RD	DEAD END	UA-A	0.07
INGOLDBY ST	0	950	HASSELL ST	MARTIN ST	UA-A	0.95
LORD ST	0	270	MUIR ST	LANGTON RD	UA-A	0.27
MARGARET ST	0	260	MENSTON ST	WELLS ST	UA-A	0.26

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
MARION ST	0	560	LOWOOD RD	MENSTON ST	UA-A	0.56
MARMION ST	1100	1820	THOMAS ST	MCDONALD AVE	UA-A	0.72
MEAD ST	0	140	ALBANY HWY	OSBOURNE ST	UA-A	0.14
MEMORIAL RD	0	170	ALBANY HWY	LOWOOD RD	UA-A	0.17
MENSTON ST	0	1060	MONDURUP ST	CUL - DE - SAC	UA-A	1.06
MILLS ST	290	680	MARTIN ST	HASSELL ST	UA-A	0.39
MONTEM ST	0	1060	CUL-DE-SAC	MARMION ST	UA-A	1.06
MOUNT MAGOG GARDENS	0	110	DONNELLY PEAK VIEW	DEAD END	UA-A	0.11
MUIR ST	0	760	LOWOOD RD	MARMION ST	UA-A	0.76
NARPUND RD	0	500	OSBORNE RD	BUNKER ST	UA-A	0.50
NUNARRUP ST	0	420	ALBANY HWY	DEAN ST	UA-A	0.42
OSBORNE RD	0	1050	NARPUND RD	OATLANDS RD	UA-A	1.05
PARSONS ST	0	260	DEAN ST	FELLOWS ST	UA-A	0.26
PUGH ST	0	270	MITCHELL ST	HAMBLEY ST	UA-A	0.27
SHORT ST	0	100	LOWOOD RD	LORD ST	UA-A	0.10
WEBSTER ST	0	560	DEAN ST	ORMOND ST	UA-A	0.56
WELLS ST	0	110	MONTEM ST	MARGARET ST	UA-A	0.11
WILLIAMSON AVE	0	330	HANNAN WAY	CUL-DE-SAC NORTH BDY No 9	UA-A	0.33
TOTAL LENGTH						**15.65**
URBAN ACCESS B (UA-B)						
ARBOUR ST	220	770	CROSSOVER NO 47	EASTERN BOUNDARY NO 80	UA-B	0.55
ATHELTON ST	160	500	HAESE ST	MARTIN ST	UA-B	0.34
AUSTIN ST	0	1050	HASSELL AVE	CHAUVEL RD	UA-B	1.05
BATEMAN ST	0	520	MUIR HWY	ARBOUR ST	UA-B	0.52
BEECH RD	0	240	HANNAN WAY	URBAN BOUNDARY	UA-B	0.24
BLOOMFIELD RI	0	160	WARBURTON RD	DEAD END	UA-B	0.16
BOOTH ST	840	990	WIDTH CHANGE	MARTIN ST	UA-B	0.15
BRIERLEY ST	0	250	MUIR HWY	ARBOUR ST	UA-B	0.25
BUNKER ST	0	160	INGOLDBY RD	NARPUND RD	UA-B	0.16
CHAUVEL RD	1540	3080	PENNIFOLD ST	END OF SEAL	UA-B	1.73
CORBOULD ST	0	120	FIRST AVE	HASSELL AVE	UA-B	0.12
COOTE ST	0	1050	HASSELL AVE	CHAUVELL RD	UA-B	1.05
CRANE ST	0	180	MUIR HWY	ARBOUR ST	UA-B	0.18
FIFTH AVE	0	1190	BEVERLEY RD	PENNIFOLD ST	UA-B	1.19
FIRST AVE	0	1630	CORBOULD ST	PENNIFOLD	UA-B	1.63
FOURTH AVE	25	1160	CUL DE SAC	PENNIFOLD ST	UA-B	1.16
HAMBLEY ST	0	1040	MONDURUP ST	WARBURTON RD	UA-B	1.04
HASSELL AVE	440	1630	AUSTIN ST	PENNIFOLD ST	UA-B	0.44
HASSELL ST	2020	2240	MILLS ST	CROSSOVER No 93	UA-B	0.22
INGOLDBY ST	950	1350	MARTIN ST	CROSSOVER No 70	UA-B	0.98
JACKSON ST	0	430	ORMOND RD	BROWN STEET RD RESERVE	UA-B	0.43
LLOYD ST	0	130	FIRST AVE	HASSELL AVE	UA-B	0.13
MARMION ST	180	780	MONDURUP ST	MONTEM ST	UA-B	0.6
MARTIN ST	0	2470	DEAD END	WARBURTON RD	UA-B	2.47
MITCHELL ST	0	1090	LOWOOD RD	WARBURTON RD	UA-B	1.09
MONDURUP ST	930	1480	MARMION ST	DEAD END	UA-B	0.55
NEWMAN ST	910	1050	SEVENTH AVE	CHAUVEL RD	UA-B	0.14
ORMOND RD	1080	1490	MARTIN ST	CUL - DE - SAC	UA-B	1.49
PENNIFOLD ST	0	1060	HASSELL AVE	CHAUVEL RD	UA-B	1.06
SECOND AVE	270	1190	AUSTIN ST	PENNIFOLD ST	UA-B	0.92
SEVENTH AVE	0	920	CUL - DE - SAC	NEWMAN ST	UA-B	0.92
SIMONS ST	0	910	HASSELL AVE	SEVENTH AVE	UA-B	0.91
THIRD AVE	560	1170	SIMONS ST	PENNIFOLD ST	UA-B	0.61
WESTFIELD ST	0	540	CRANE ST	BRIERLEY ST	UA-B	0.54
TOTAL LENGTH						**25.02**
URBAN ACCESS C (UA-C)						
ARBOUR ST	0	240	Crane St	CROSSOVER NO 47	UA-C	0.24
BOURKE ST	0	400	TAYLOR ST RD	DEAD END	UA-C	0.40
BUNKER ST	160	280	NARPUND RD	DEAD END	UA-C	0.12
DE GARIS ST	0	270	HASSELL AVE	SECOND AVE	UA-C	0.27
SECOND AVE	190	270	BEVERLEY RD	AUSTIN ST	UA-C	0.08
SEVENTH AVE	940	1190	NEWMAN ST	PENNIFOLD ST	UA-C	0.25

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
SIXTH AVE	30	560	CUL - DE - SAC	SIMONS ST	UA-C	0.56
SIXTH AVE	660	750	CULD-DE-SAC	AUSTIN ST	UA-C	0.90
SIXTH AVE	980	1190	CUL - DE - SAC	PENNIFOLD ST	UA-C	0.25
THIRD AVE	0	560	BEVERLEY RD	SIMONS ST	UA-C	0.56
THOMAS ST	0	300	MENSTON ST	MARMION ST	UA-C	0.30
TOTAL LENGTH						**3.93**
RURAL ACCESS A (RA-A)						
ARMSTRONG RD	0	970	CHESTER PASS RD	CITY OF ALBANY BDY	RA-A	0.97
BEECH RD	240	1260	URBAN BOUNDARY	SPENCER RD	RA-A	1.02
BOLGANUP RD	0	1580	PORONGURUP RD	ANGWIN PARK RD	RA-A	1.58
BRAIDWOOD RD	0	1180	MOUNT BARKER RD	CUL- DE - SAC	RA-A	1.18
CASTLE ROCK	0	820	PORONGURUP RD	PORONGURUP NAT PARK	RA-A	0.82
CHAUVEL RD	1330	1540	ROBERTSON RD	PENNIFOLD ST	RA-A	2.80
CROFTS RISE	0	1070	CUL DE SAC (WEST)	CUL DE SAC (EAST)	RA-A	1.07
ENRIGHT WAY	0	590	STONEY CREEK RD	CROFTS RISE	RA-A	0.59
FENTON HTS	0	440	WIILIAMS RD	CUL DE SAC	RA-A	0.44
FERRY RD	0	1430	NINDIUP RD	BANNISTER HILL RD	RA-A	1.43
HANNAN WAY	1620	1860	ALBANY HWY	NEWMAN RD	RA-A	0.24
JONES RD	0	1890	MUIR HWY	END OF SEAL	RA-A	1.89
MARMION ST	0	480	PEARCE RD	MONDURUP ST	RA-A	0.48
MARTAGALLUP - TENTERDEN RD	0	8440	MARTAGALLUP RD	ALBANY HWY	RA-A	8.44
MITCHELL ST	1090	2490	WARBURTON RD	ALBANY HWY	RA-A	1.4
MOKARE RISE	0	1320	BRAIDWOOD RD	ST WERBURGHS RD	RA-A	1.32
MOORILUP RD	0	3380	CARBARUP RD	RED GUM PASS RD	RA-A	3.38
MORPETH RD	230	330	CULD-DE-SAC	HAMBLEY ST	RA-A	0.10
MORPETH RD	690	860	MOUNT BARKER RD	CUL-DE-SAC	RA-A	0.17
NINDIUP RD	0	1010	WOOGENELLUP RD	FERRY RD	RA-A	1.01
O'NEILL ROAD	0	4750	ALBANY HWY	RURAL CROSSOVER	RA-A	4.75
OPHIR RD	0	400	MT BARKER RD	CUL DE SAC	RA-A	0.40
ORIENT RD	0	800	MT BARKER RD	CUL-DE-SAC	RA-A	0.80
PEARCE RD	0	430	MARMION ST	DEAD END	RA-A	0.43
PELLEW RD	0	520	CARBARUP RD	END OF SEAL	RA-A	0.52
QUANGELLUP RD	0	8240	MUIR HWY	EULUP-MANURUP RD	RA-A	8.24
STONEY CREEK RD	0	2150	PORONGURUP RD	CUL - DE - SAC	RA-A	2.15
ST WERBURGHS RD	0	6100	MITCHELL ST	HAY RIVER RD	RA-A	6.1
THE PASS RD	0	7560	HEALY RD	CITY OF ALBANY BDY	RA-A	7.56
TOWER RD	0	880	MT BARKER RD	DEAD END	RA-A	0.88
VERAZZI COURT	0	170	STONEY CREEK RD	DEAD END	RA-A	0.17
WARBURTON RD	1580	2470	MITCHELL ST	HAMBLEY ST	RA-A	0.89
WILSON RD	0	4280	ALBANY HWY	CRADDOCK RD	RA-A	4.28
WOODLANDS RD	0	5720	PORONGURUP RD	MILLINUP RD	RA-A	5.72
TOTAL LENGTH						**73.22**
RURAL ACCESS B (RA-B)						
ANGWIN PARK RD	0	990	WOODLANDS RD	EDGE OF PARK	RA-B	0.99
ARBOUR ST	770	1251	END OF SEAL	RUBBISH DUMP	RA-B	0.48
ARNOLDS RD	0	2320	CHILLINUP RD	DEAD END	RA-B	2.32
BALL RD	0	1970	KWORNICUP RD	DEAD END	RA-B	1.97
BANGALUP RD	0	5010	MUIR HWY	CRANBROOK SHIRE BDY	RA-B	5.01
BANNISTER HILL RD	0	830	FERRY RD	DEAD END	RA-B	0.83
BARROW RD	0	14910	PORONGURUP RD	WOOGENELLUP RD	RA-B	14.91
BEATTIE RD	490	4890	CUL-DE-SAC	ALBANY HIGHWAY	RA-B	4.89
BEVAN RD	0	4660	PORONGURUP RD	CROSSOVER No 469	RA-B	4.73
BLOXIDGE RD	0	10800	PALMDALE RD	ALBANY CITY BDY	RA-B	10.80
BLUE LAKE RD	1560	11490	END OF SEAL	SEYMOUR RD	RA-B	9.83
BOXHILL RD	0	330	PORONGURUP RD	DEAD-END	RA-B	0.33
BOYUP RD	13710	22560	STURDEE RD	MARTAGALLUP RD	RA-B	8.85
BUNKER RD	0	3500	MARTAGALLUP RD	MARTAGALLUP-TENTERDEN RD	RA-B	3.50
CHAUVEL RD	880	1330	DEAD END	ROBERTSON RD	RA-B	0.44
CHAUVEL RD	3080	5820	END OF SEAL	BEATTIE RD	RA-B	4.51
CHORKERUP RD	5000	11980	NARRIKUP RD	HEALY RD	RA-B	6.98

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
COLLINS RD	0	1170	CARBARUP RD	ROSS RD	RA-B	1.17
CRADDOCK RD	1850	6990	WILSON RD	BRUNTON RD	RA-B	5.14
CROCKERUP RD	0	2450	ALBANY HWY	RICHES RD	RA-B	2.45
CROCKERUP RD	7600	7860	FISHER RD	WILLIAMS RD	RA-B	0.26
CRYSTAL BROOK RD	0	3120	SPENCER RD	END OF PAVEMENT	RA-B	3.12
DUGGAN RD	0	940	JUTLAND RD	DEAD END	RA-B	0.94
GAALGEGUP CL	0	490	SURREY DOWNS RD	DEAD END	RA-B	0.49
GREENHILLS RD	0	900	YELLANUP RD	LIONETTI RD	RA-B	0.90
GREEUW RD	0	3150	SPENCER RD	DEAD END	RA-B	3.15
GREEUW RD	4150	5400	DEAD END	THE PASS RD	RA-B	1.25
HALSEY RD	0	5390	FISHER RD	ALBANY HWY	RA-B	5.39
HARDING RD	0	1090	SMUTS RD	JELLICOE RD	RA-B	1.09
HARVEY RD	0	5700	DENMARK-MT BARKER	MUR HWY	RA-B	5.70
HARWOOD RD	0	1490	CARBARUP RD	HUDSON RD	RA-B	1.49
HEALY RD	0	5910	SPENCER RD	CHORKERUP RD	RA-B	5.91
HOBBS RD	0	2800	ALBANY HWY	JUTLAND RD	RA-B	2.80
HOPE VALLEY VW	0	810	HUDSON RD	CROSSOVER No 84	RA-B	0.81
HUDSON RD	0	1050	HARWOOD RD	HOPE VALLEY RD	RA-B	1.05
JACKSON RD	6100	9650	ALBANY HWY	OLD COACH RD	RA-B	3.55
JELLICOE RD	0	1570	ALBANY HWY	KALGAN RIVER	RA-B	1.57
JELLICOE RD	3840	5090	JUTLAND RD	TOONE RD	RA-B	1.25
JONES RD	1890	5760	END OF SEAL	QUANGELLUP RD	RA-B	3.87
JUTLAND RD	0	270	CARBARUP RD	END OF SEAL	RA-B	0.27
JUTLAND RD	270	8155	END OF SEAL	ALBANY HWY	RA-B	7.89
KIRKWOOD RD	0	2550	RED GUM PASS RD	CROSSOVER No 260 KIRKWOOD	RA-B	2.55
KNIGHT RD	0	14690	PORONGORUP RD	WOOGENELLUP RD	RA-B	14.69
KWORNICUP RD	0	16810	BOYUP RD	SIDCUP RD	RA-B	16.81
LAKE BARNES RD	0	4500	SPENCER RD	OLD YERRIMINUP RD RESERVE	RA-B	4.50
LAKE KATHERINE RD	0	4620	MALLAWILLUP RD	CROSSOVER LOT 1230	RA-B	4.62
MILL RD	0	7710	MUIR HWY	TURPIN RD	RA-B	7.71
MILLINUP RD	0	13010	CHESTER PASS RD	WOODLANDS RD	RA-B	13.01
MILLS ST	0	290	DEAD END	MARTIN ST	RA-B	0.29
MIRA FLORES AVE	0	1510	WANSBROUGH RD	DEAD END	RA-B	1.51
MITCHELL RD	0	5200	EULUP-MANURUP RD	END OF PAVEMENT	RA-B	5.20
MONASH RD	0	1010	BEVERLEY RD	MILDURA RD	RA-B	1.01
MORANDE RD	0	7140	YELLANUP RD	SETTLEMENT RD	RA-B	7.14
O'NEILL ROAD	15660	15800	RURAL CROSSOVER LOT 4714	WOODLANDS RD	RA-B	0.14
OLD COACH RD	0	8160	SETTLEMENT RD	RANDAL RD	RA-B	8.16
PELLEW RD	520	1020	END OF SEAL	END OF PAVEMENT	RA-B	0.50
PERILLUP RD SOUTH	0	18300	MUIR HWY	TURPIN RD	RA-B	18.30
PETTIT RISE	0	1500	TAKALARUP RD	DEAD END	RA-B	1.50
PICKLES RD	0	730	SPENCER RD	DEAD END	RA-B	0.73
RANDELL RD	0	4800	ROCKY GULLY RD	POORARECUP RD	RA-B	4.8
REYNOLDS RD	0	5020	YELLANUP RD	UNNAMED RD	RA-B	5.02
ROBERTSON RD	0	840	CHAUVEL RD	MONASH RD	RA-B	0.84
ROCKY GULLY RD	0	23080	FRANKLAND RIVER RD-ROCKY GULLY	POORRARECUP RD	RA-B	23.08
SANDERS RD	0	8690	CARBARUP RD	RED GUM PASS RD	RA-B	8.69
SCOTT RD	0	1470	WOOGENALLUP RD	DEAD END	RA-B	1.47
SETTLEMENT RD EAST	0	4240	SETTLEMENT RD	E BDY LOC 6521//ALBANY SH BDY	RA-B	4.24
SEYMOUR RD	0	8750	BLUE LAKE RD	THE SPRINGS RD	RA-B	8.75
SIDCUP RD	0	4090	MUIR HWY	KWORNICUP RD	RA-B	16.07
SKINNER RD	0	1630	SANDERS RD	NTH BDY LOC 1085	RA-B	1.63
SMUTS RD	0	2170	CHAUVEL RD	HARDING RD	RA-B	2.17
SOUNNESS ST	0	440	PORONGURUP RD	NE CNR LOT 275	RA-B	0.44
SPRING RD	2270	4020	NORTH WEST CORNER LOT 5250	CHESTER PASS RD	RA-B	1.53
SQUIRE CT	0	310	WEST BEATTIE RD	CUL DE SAC	RA-B	0.31
ST WERBURGHS RD	6080	13220	HAY RIVER RD	MUIR HWY	RA-B	7.14
STIRLING SCHOOL RD	0	8720	END OF SEAL	NE CNR LOC 5667/ALBANY SH BDY	RA-B	8.48
STIRLINGS RD	0	2900	LAKE MATILDA RD	DEAD END	RA-B	2.90
STOTHARD RD	0	2180	MOUNT BARKER HILL RD	SW CNR LOC 1666	RA-B	2.18
SURREY DOWNS RD	0	1600	PORONGORUP RD	MUIR HIGHWAY M24	RA-B	1.60

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
SYRED RD	0	10230	CHESTER PASS RD	PALMDALE RD	RA-B	10.23
TAKALARUP RD	0	2810	END OF SEAL	END OF SEAL	RA-B	2.81
TAKALARUP RD	2810	14550	ROSEDALE RD	SYRED RD	RA-B	11.74
TODD RD	0	4430	ALBANY HWY	LAKE MATILDA RD	RA-B	4.43
TOONE RD	0	500	CARBARUP RD	DEAD END	RA-B	0.50
TURPIN RD	0	2660	MUIR HWY	QUINDABELLUP RD SOUTH	RA-B	2.6
VIEW RANGE RD	0	8150	RED GUM PASS RD	YOUNG RD	RA-B	8.15
WANDOO RD	0	1450	MOORILUP RD	ROSS RD	RA-B	1.45
WANSBROUGH WALK	0	1210	MILLINUP RD	MIRA FLORES AVE	RA-B	1.21
WARD RD	0	3020	ALBANY HWY	NE CNR LOT 648	RA-B	3.02
WASHPOOL RD	0	12250	CHESTER PASS RD	KNIGHT RD	RA-B	12.25
WATERMANS RD	0	13680	ALBANY HWY	PORONGURUP RD	RA-B	13.68
WEST BEATTIE RD	0	2560	ALBANY HWY	END OF RD	RA-B	2.56
WILLIAMS RD	0	1400	CARBARUP RD	FISHER RD	RA-B	1.40
WOODLANDS RD	5720	9380	MILLINUP RD	YELLANUP RD	RA-B	3.66
WOOGENELLUP RD NORTH	0	23200	WOOGENELLUP RD	CHESTER PASS RD	RA-B	23.20
WYUNA HEIGHTS	0	1570	HAY RIVER RD	E BDY LOC 826	RA-B	1.57
YALLAMBE RD	0	1410	SIDCUP RD	DEAD END	RA-B	1.41
YUNGUP RD	0	2480	ELLIOT RD	CITY OF ALBANY BOUNDRY	RA-B	2.48
TOTAL LENGTH						**460.94**
RURAL ACCESS C (RA-C)						
ALLENBY RD	0	850	CHAUVELL RD	MONASH RD	RA-C	0.85
AMARILLUP RD	0	3640	PILE RD	NTH BDY LOC 353	RA-C	3.64
BAESJOU GR	0	420	SCOTT RD	CUL-DE-SAC	RA-C	0.42
BAILS RD	0	1470	ALBANY HWY	WEST BDY LOC 5179	RA-C	1.47
BELFIELD RD	0	2570	AMARILLUP RD	NW BDY LOC 737	RA-C	2.57
BORE RD	0	2020	MUIR HWY	EAST BDY LOC 2028	RA-C	2.02
BOSTOCK RD	0	1450	WOOGENELLUP RD	SW CNR LOC 3473	RA-C	1.45
BRANSON RD	0	10750	CHESTER PASS RD	DEAD END	RA-C	10.75
BRIDGES RD	0	360	TOWNSEND ST	SW BDY LOT 303	RA-C	0.36
BRUNTON RD	0	5310	QUANGELLUP RD	EULUP-MANURUP RD	RA-C	5.31
BURNSIDE RD	0	3430	WIDTH CHANGE	SE BDY LOC 1300	RA-C	3.43
CALDWELL RD	0	1620	ROCKY GULLY RD	EAST BDY LOC 2067	RA-C	1.62
CAMBALLUP RD	0	1800	PERILLUP RD	DEAD END	RA-C	1.80
CARR RD	0	1920	WILSON RD	STURDEE RD	RA-C	1.92
CHAUVEL RD	5820	5960	BEATTIE RD	CROSSOVER No 75	RA-C	0.47
CHESTER RD	0	380	MUIR HWY	DEAD END	RA-C	0.38
CLEAR HILLS RD	0	11640	MUIR HWY	BEVAN RD (DBCA)	RA-C	11.64
COLLINS RD	1170	1920	ROSS RD	DEAD END	RA-C	0.75
COOPER RD	0	70	LOWOOD RD	STH BDY LOC 5045	RA-C	0.07
COSTELLO RD	0	6070	LAKE MATILDA RD	SE CNR LOC 3378	RA-C	6.07
CRADDOCK RD	0	1850	STURDEE RD	WILSON RD	RA-C	1.85
CREEK RD	0	4090	CHOKERUP RD	REDMOND - HAY RIVER RD	RA-C	4.09
CROCKERUP RD	2450	4900	RICHES RD	DEAD END	RA-C	2.45
CRYSTAL BROOK RD	3120	3710	END OF PAVEMENT	NW CNR LOC 4994	RA-C	0.59
DE PLEDGE RD	0	610	BEVERLEY RD	NW BDY LOT 76	RA-C	0.61
DUCK RD	0	6150	WOOGENELLUP RD	BARROW RD	RA-C	6.15
DUNN RD	0	850	PORONGURUP RD	WEST BDY LOC 130	RA-C	0.85
DUTHIE RD	0	2350	HARVEY RD	WEST BDY LOC 1860	RA-C	2.35
ELLIOT RD	0	4500	SETTLEMENT RD	SETTLEMENT RD EAST	RA-C	4.50
FILMER RD	0	1860	RED GUM PASS RD	SW CNR LOC 4381	RA-C	1.86
FISHER RD	0	4100	CROCKERUP RD	JUTLAND RD	RA-C	4.10
FORD RD	0	1180	WOOGENELLUP RD	SW CNR LOC 3456	RA-C	1.18
FORSTER RD	0	2330	HAWKER RD	HAWKER RD	RA-C	2.33
GIDLEY LN	0	1380	SETTLEMENT RD	EAST BDY LOC 5214	RA-C	1.38
GILLS RD	0	970	KWORNICUP RD	SE CNR LOC 707	RA-C	0.97
GORTON RD	0	3600	MALLAWILLUP RD	SW CNR LOC 758	RA-C	3.60
GOUGH RD	0	3690	ALBANY HWY	MARTAGALLUP RD	RA-C	3.69
GOUNDREY RD	0	780	ST WERBURGHS RD	CROSSOVER No 66	RA-C	0.78
GREENHILLS RD	900	2850	LIONETTI RD	NW CNR LOC 4717	RA-C	1.95

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
HACKETT SWAMP RD	0	910	BUNKER RD	DEAD END	RA-C	0.91
HAIG RD	0	1550	HUGHES RD	CROSSOVER - YARDS No 136	RA-C	1.55
HALDEN RD	0	1250	CHESTER PASS RD	CROSSOVER No 128	RA-C	1.25
HAPPY VALLEY RD	0	1200	MARTAGALLUP RD	LOC 525	RA-C	1.20
HARVEY RD	5700	11300	WIDTH CAHNGE	MUIR HWY	RA-C	5.60
HARWOOD RD	1490	2840	HUDSON RD	FISHER RD	RA-C	1.35
HAWKER RD	0	4010	CARBARUP RD	MOORILUP RD	RA-C	4.01
HIKER RD	0	5920	NORNALUP RD	HIKER RD (F)	RA-C	5.92
HOLMES RD	0	1070	CHILLINUP RD	WEST BDY LOC 5201	RA-C	1.07
HORNE RD	0	1600	CRADDOCK	DEAD END	RA-C	1.60
HUGHES RD	0	1900	LAKE MATILDA RD	HAWKER RD	RA-C	1.9
JAMES RD	0	200	ALBANY HWY	SE BDY LOC 2713	RA-C	0.20
JELLICOE RD	1570	2810	KALGAN RIVER	CHAUVEL RD	RA-C	3.26
JELLICOE RD	3840	4080	CROSOVER No 95 CHAUVEL RD	JUTLAND RD	RA-C	0.27
JOLLY RD	0	890	CHORKERUP RD	SE CNR LOC 7205	RA-C	0.89
KALGAN PLAINS RD	0	2330	WOOGENELLUP RD	SE CNR LOC 5196	RA-C	2.33
KENT RIVER RD	0	5650	NORNALUP RD	TURPIN RD	RA-C	5.65
KIDMAN RD	0	3240	SIDCUP RD	MALLAWILLUP RD	RA-C	3.24
LAKE BARNES RD	4500	5600	OLD YERRAMINUP RD RESERVE	STH BDY LOC 4315	RA-C	1.10
LAKE KATHERINE RD	4620	6280	CROSSOVER TO LOT 1230	SE CNR LOC 1999	RA-C	1.66
LILFORD RD	0	300	LAKE BARNES RD	LOC 6576	RA-C	0.30
LIONETTI RD	0	1740	GREENHILLS RD	LOC 5716	RA-C	1.74
LUSCOMBE RD	0	3750	MORANDE RD	NW CNR LOC 5789	RA-C	3.75
MACLEAN CL	0	840	WILSON RD	CUL - DE - SAC	RA-C	0.84
MAGPIE HILL	0	2740	PORONGORUP RD	WEST BDY LOC 5707	RA-C	2.74
MARKS RD	0	1020	ROCKY GULLY RD	EAST BDY LOC 2109	RA-C	1.02
MCCOOK RD	0	1650	WILSON RD	STURDEE RD	RA-C	1.65
MCKEAIG RD	0	1600	RANDELL RD	CRANBROOK SH BDY	RA-C	1.60
MCMAHON RD	0	2190	THE SPRINGS RD	SW LOC 2153	RA-C	2.19
MCWILLIAMS RD	0	5600	NORNALUP RD	DBCA PARK BOUNDARY	RA-C	5.60
MILDURA RD	0	830	CHAUVELL RD	MONASH RD	RA-C	0.83
MILLINUP PASS RD	0	550	MILLINUP RD	SW CNR LOC 125	RA-C	0.55
MILLS RD	0	1940	DEAD END	WEST BDY LOC 6125	RA-C	1.94
MITCHELL RD	5200	6080	END OF PAVEMENT	DEAD END	RA-C	0.88
MONASH RD	1010	4110	MILDURA RD	TODD RD	RA-C	3.10
MULCAHY RD	0	2040	PERILLUP SOUTH RD	DEAD END	RA-C	2.04
MUNRO RD	0	400	LAKE MATILDA RD	SE BDY LOT 318	RA-C	0.40
NEW ROAD (Reynolds Road Sth)	0	1170	REYNOLDS RD	DEAD END	RA-C	1.17
NEWDEGATE RD	0	1220	MOORILUP RD	DEAD END	RA-C	1.22
NEWMAN RD	440	730	SPENCER WAY	DEAD END	RA-C	0.29
OMRAH RD	0	510	MOUNT BARKER RD	NW CNR LOC 4535	RA-C	0.51
O'NEILL ROAD	4750	6480	RURAL CROSSOVER LOT 5711	O'NEILL TRAIL	RA-C	1.73
PAPES RD	0	5150	MUIR HWY	EAST BDY LOC 905	RA-C	5.15
PARDELUP RD	1590	3440	NE CNR LOT 255	PILE RD	RA-C	1.85
PAVLOVICH RD	0	5630	WHITWORTH RD	DEAD EMD	RA-C	0.88
PEARCE RD	0	1380	WOOGENELLUP RD	NW CNR LOC 4363	RA-C	1.38
PELLEW RD	1020	2700	END OF PAVEMENT	SANDERS RD	RA-C	1.68
PLUMER RD	0	600	CRADDOCK RD	DEAD END	RA-C	0.60
PUGH RD	0	2490	ALBANY HWY	NW CNR LOC 5087	RA-C	2.49
QUINDABELLUP NORTH RD	0	4990	MUIR HWY	ROCKY GULLY RD	RA-C	4.99
QUINDABELLUP SOUTH RD	0	7590	MUIR HWY	TURPIN RD	RA-C	7.59
RAWLINSON RD	1600	2420	STURDEE RD	CROSSOVER No 81	RA-C	0.82
RED HILL RD	0	960	ALBANY HWY	EAST BDY LOC 1941	RA-C	0.96
RENMARK RD	0	1210	CHAUVELL RD	SMUTS RD	RA-C	1.21
REVETT BROOK RD	0	800	SPENCER RD	NE CNR LOC 6583	RA-C	0.8
REYNOLDS RD	5020	7080	UNNAMED RD	CROSSOVER No 659	RA-C	2.04
RICHES RD	0	1610	CROCKERUP RD	SE CNR LOT 3	RA-C	1.61
ROBERTSON RD	840	1620	MONASH RD	SE CNR LOT 78	RA-C	0.78
ROGERS RD	0	2990	YELLANUP RD	MILLINUP RD	RA-C	2.99
ROSS RD	0	1170	COLLINS RD	WANDOO RD	RA-C	1.17
SHANHUN RD	0	1690	LOC 5785	CHESTER PASS RD	RA-C	1.69

Road Name	SLK Start	SLK End	Start Name	End Name	Hierarchy	Length Km
SIDCUP RD	4090	16070	KWORNICUP RD	PERILLUP RD	RA-C	11.98
SIMPSON RD	0	6100	PILE RD	SE CNR LOC 360	RA-C	6.1
SIXPENNY RD	0	2090	YELLANUP RD	MILLINUP RD	RA-C	2.09
SMOKER RD	0	2410	ST WERBURGHS RD	SW CNR LOC 6125	RA-C	2.41
SPEEDWAY LN	0	400	PORONGURUP RD	DEAD END	RA-C	0.40
SPRING RD	0	2270	PORONGORUP RD	END OF PAVEMENT	RA-C	2.49
ST JACK RD	0	4670	STH BDY LOC 1035	SW CNR LOC 2048	RA-C	4.67
STEICKE RD	0	1510	PORONGORUP RD	NW CNR LOC 8126	RA-C	1.51
SURREY DOWNS RD	1600	5310	GAALGEGUP CLOSE	SW CNR LOC 5003	RA-C	3.71
TEDDINGTON RD	0	640	BOYUP RD	GATE	RA-C	0.64
TINGELUP RD	0	2330	END OF PAVEMENT	SW CNR LOC 6127	RA-C	2.33
TOWNSHEND RD	0	5060	YELLANUP RD	WATERMANS RD	RA-C	5.06
TRENT RD	0	1240	WOOGENELLUP RD	BARROW RD	RA-C	1.24
TURPIN RD	2660	14970	QUINDABELLUP RD SOUTH	NORNALUP RD	RA-C	12.31
TURPIN NORTH RD	0	5710	MUIR HWY	ROCKY GULLY RD	RA-C	5.71
UN-NAMED ROAD OF MILLS RD	0	870	MILLS ROAD	DEAD END	RA-C	0.87
WALLINGER RD	0	1220	LAKE BARNES RD	DEAD END	RA-C	1.22
WAMBALLUP RD	0	3130	BOYUP RD	STH BDY LOC 746	RA-C	3.13
WANDOO RD	1450	2430	ROSS RD	STH BDY LOC 4063	RA-C	0.98
WARBURTON RD	1200	1350	CROSSOVER No 93 WARBURTON	DEAD END	RA-C	0.15
WARBURTON RD	150	1200	EAST BDY No 230	CROSSOVER No 93 WARBURTON	RA-C	1.05
WARD RD	3020	3660	NE CNR LOT 648	DEAD END	RA-C	0.64
WAYCOTT RD	0	1550	SETTLEMENT RD EAST	NW CNR LOC 6518	RA-C	1.55
WEBB RD	0	1200	SANDERS RD	STH BDY LOT 5063	RA-C	1.2
WHITWORTH RD	0	3380	MUIR HWY	PAVLOVICH RD	RA-C	3.38
WILCOX RD	0	200	ALBANY HWY SOUTH	CITY OF ALBANY BDY	RA-C	0.2
WILLISS RD	0	980	WOOGENELLUP RD	DEAD END	RA-C	0.98
WILSON RD	4280	9060	CRADDOCK RD	EULUP-MANURUP RD	RA-C	4.78
WOODVILLE RD	0	1180	ALBANY HWY	EAST BDY LOC 2441	RA-C	1.18
WRAGG RD	0	6430	DENMARK-MT BARKER RD	ST WERBURGHS	RA-C	6.43
YALLAMBE RD	1410	1950	WIDTH CHANGE	SE CNR LOC 1462	RA-C	0.54
YARALLA RD	0	3860	NE CNR LOC 1350	EAST BDY LOC 5137	RA-C	3.86
YOUNG RD	0	1320	VIEW RANGE RD	CRANBROOK SHIRE BDY	RA-C	1.32
YUNGUP NORTH RD	0	1430	SETTLEMENT RD	DEAD END	RA-C	1.43
YERRIMINUP RD	0	3600	ALBANY HWY	SOUTH EAST BDY No 224	RA-C	3.6
TOTAL LENGTH						**325.14**

6.4 Road Upgrade Criteria

As the population of the Shire increases, the demand on assets increases as does the expectation from ratepayers. Assets requiring an upgrade such as a gravel paved road to a bituminous seal or a formed road to a gravel paved road need a method of justification. Table 6.4.1 below outlines the criteria and weighting for a road upgrade which has been trialled on several roads over the Shire network.

A score of 15 or below will not justify an upgrade.

A score of 16 to 24 will justify a gravel pavement upgrade.

A score of 25 or higher will support the decision to upgrade to a new seal.

The scoring system may also support the upgrading to a wider seal to cater for a demonstrated increased demand or to cater for safety requirements.

Some examples using the scoring system are shown below.

Formed road with a score of less than 15.

Gravel/paved road with a score of 16 to 24.

Sealed road with a score greater than 25.

Table 6.4.1 Road Upgrade Criteria

Criteria	Weighting	Justification
Urban/Rural	1-6	Based on the Plantagenet Town Planning Scheme, zones, and R-codes Score Criteria 6 Higher the density => R20 5 < R20 4 Industrial – public purpose, 3 Landscape protection - rural residential 2 Rural 1 Forestry
Regional Distributor	5	As per the Road Hierarchy
Local Distributor	4	As per the Road Hierarchy
Access Road A	3	As per the Road Hierarchy
Access Road B	2	As per the Road Hierarchy
Access Road C	1	As per the Road Hierarchy
Maintenance Zone 1	1	Roads within 20km of the Shire Depot.
Maintenance Zone 2	2	Roads between 20 to 40km from the Shire Depot
Maintenance Zone 3	3	Roads further than 40km from the Shire Depot
AADT_<25	2	AADT below 25 vehicles
AADT_75	4	AADT between 26 and 75 vehicles
AADT_125	6	AADT between 76 and 125 vehicles
AADT_150	8	AADT between 126 and 150 vehicles
AADT_>150	10	AADT greater than 150
Where there is insufficient traffic data, the calculations from WAPC are applied. For urban areas this rate is eight vehicle movements per day per household. Apply this calculation and divide by the length of the road so as not to bias the longer roads.		
School Bus Route	1-5	Rated against the size and number of services Score Criteria 2.5 1 service 5 2 services
Tourist Route	1-5	Rated by the number and popularity of the attractions
RAV	1-5	Score of 1 to 5 weighted against MRWA Restricted Access Vehicle (RAV) Class 1 through 10. Score .5 for each class. Non-Conditional Roads only
Heavy Vehicles (HV)	1-10	Percentage rated from the traffic count data, weighted against the AADT**
Regional Road Group	5	Roads included in the Roads 2040 Regional Strategies for Significant Local Roads
Road Condition	1-10	Rated against the 2020 road condition data survey which will be revised every four years.

** The AADT score on lower hierarchy roads may be adjusted depending on the ratio of heavy vehicle to passenger vehicle movements.

7 Pathways

The Shire manages 33.55 kilometres of pathways in four localities.

7.1 Community Level of Service

Service levels for pathways should ensure a stable uninterrupted access in and around a townsite for pedestrians and cyclists.

7.2 Technical Level of Service

The following service levels apply to pathways.

- Maintenance is to be conducted to reduce hazards and to provide users with a safe and comfortable environment.
- Suitable materials should be used for construction and a width as outlined below in Table 7.3.1 Footpath Hierarchy.
- Annual inspections should contribute towards developing a maintenance programme for the next financial year.
- Vegetation should be pruned back to the property line to a height of 2.5 metres as outlined in Austroads *Design Part 6a - Pedestrian and Cycling Paths.*

7.3 Pathways Hierarchy

The Pathway Hierarchy has been developed taking into consideration the following factors.

- Connectivity - a pathway should connect to a higher order path or complement the existing network.
- Destination - a pathway may link to a shopping precinct, public open space, sporting, or education precinct.
- Existing infrastructure - within the parameters shown below in Table 7.3.1 Footpath Hierarchy.

Table 7.3.1 Footpath Hierarchy

Classification	Description	Preferred Construction Parameters	Ideal Minimum Width
Town CBD	Paths that service businesses, shopping centres, cafes, and restaurants	Brick paved with 60mm trafficable interlocking pavers	Property boundary to back of kerb
Strategic Route	Strategic paths are direct links to destinations such as shops and schools. And are typically constructed along busy urban roads	In-situ concrete or asphalt ideally situated midway between the back of kerb and the property boundary	2.5 metres
Distributor Route	Distributor paths link access routes to strategic routes, and are typically constructed along busy urban roads	In-situ concrete or asphalt ideally situated midway between the back of kerb and the property boundary or at a minimum 500mm from back of kerb	2.0 metres
Access Route	Constructed along urban roads that are more than 100 metres from an existing pathway	In-situ concrete or asphalt ideally situated midway between the back of kerb and the property boundary or at a minimum 500mm from back of kerb	1.8 metres
Pathway not Required	Residents on low traffic roads can access the network within 120metres of their dwelling. Traffic < 300 vehicle movements per day	Paths will not be constructed in cul-de-sacs and/or has less than 20 dwellings, and / or is less than 120m in length	Nil

The pathways hierarchy has been developed based on the WAPC's *Liveable Neighbourhoods*. The design standards within these service levels reference Austroads *Design part 6A – Pedestrian and Cycling Paths*.

7.4 Cycle Lanes

Council will consider cycle lanes on roads that have been identified in the Regional Cycling Strategy. For a cycling lane to be installed, there must be existing width within the road carriageway to accommodate the extra space while maintaining a six metre trafficable seal on Urban Access A Roads.

8 Drainage

8.1 Community Level of Service

The Shire's drainage network is to be maintained to allow water flow whilst minimising impact to adjoining property. At the same time roads, pathways, and parks must still function adequately.

8.2 Technical Level of Service

The following service levels apply to drainage.

Local Distributor Roads

Location	Type of Drainage	Task
Urban	Kerb and channel drainage	Street sweep kerbs and channels twice yearly
		Inspect all kerbs and channels annually
	Underground longitudinal pipe network	Cleaning scheduled with the street sweeping programme
	Discharged into retention pond, bioswale prior to discharge into a natural water course or storage dam for future use	
Rural	Headwalls and piped culverts	Inspect all culverts over a four year cycle
		Annually inspect and clean all major culverts and known problem areas prior to winter

Urban Access Road A

Type of Drainage	Task
Kerb and channel drainage	Street sweep kerbs and channels twice yearly
	Inspect all kerbs and channels annually
Underground longitudinal pipe network	Cleaning scheduled with the street sweeping programme
Discharged into retention pond, bioswale prior to discharge into a natural water course or storage dam for future use	

Urban Access Road B

Type of Drainage	Task
Kerb and channel drainage	Street sweep kerbs twice yearly
Underground longitudinal storm water drainage	Inspect over a four year cycle
	Clean as required
Open drain	Inspect over a four year cycle
	Clean once every four years

Rural Access Road A

- Recut table trains and off-shoot drains while undertaking maintenance grading
- Inspect all over a four-year cycle
- Clean as required

Rural Access Road B

- Recut table trains and off-shoot drains while undertaking maintenance grading

8.3 Drainage Hierarchy

The Drainage Hierarchy has been developed in conjunction with the Road Hierarchy, prioritising the higher ranking roads.

Classification	Description
Primary Distributor	Responsibility of MRWA
Local Distributor Roads - Urban	Kerb and channel drainage
	Drainage engineer designed underground longitudinal pipe network
	Discharged into retention pond, bioswale prior to discharge into a natural water course or storage dam for future use
Local Distributor Roads - Rural	Headwall to endwall 10 metres apart - Pre-cast concrete - Concrete cast formwork on site (cast in-situ)
	Pipe culverts to have minimum 300mm cover If this is unachievable due to terrain challenges, concrete stabilised backfill compacted around and on top of the pipe
	A box culvert or higher class of pipe could be a considered if the recommended cover is unable to be achieved
Urban Access Road A	Kerb and channel drainage
	Drainage engineer designed underground longitudinal pipe network
	Discharged into retention pond, bioswale prior to discharge into a natural water course or storage dam for future use

Classification	Description
Urban Access Road B	Kerb and channel drainage
	Drainage engineer designed underground longitudinal pipe network
	Open drain
Rural Access Road A	Table drains
	Culverts HDPE
	300mm minimum cover
	If minimum cover is unable to be obtained, an RCP with cement stabilisation or a box culvert will be used
Rural Access Road B	Formed road with drainage off-shoots cut into the verge at strategic locations

8.4 Design Considerations

Austroads *Guide to Road Design Part 5B: Drainage – Open Channels, Culverts, and Floodway Crossings* has been used as the referral document.

When assessing and designing new/upgraded drainage the factors listed below are taken into consideration.

- Economics
- Site conditions, hydraulic performance
- Limitations on allowable water height at the headwall
- Height of fill above obvert
- Channel width
- Structural requirements
- Durability
- Ease of construction
- Surrounding environment
- Silt and debris

Culverts

Box Culvert

A box culvert is a precast concrete structure that is shaped like a box.

A box culvert is preferred for drainage when there is minimal embankment depth as the box sections require less cover. This option for drainage offers other benefits as listed below.

- If channel width restrictions exist, boxes can be placed side by side with no requirement for backfill.
- Allows rectangular shaped waterway to achieve the allowable headwater.
- Assists with minimising or controlling low-flow water depths.
- Enables fauna or livestock passage when required.

Pipe

Several options allow for the selection of a pipe as listed below.

- Precast reinforced concrete pipes have been used for many years with a design life of 100 years when installed to specifications.
- High Density Polyethylene (HDPE) pipe is a relatively new product to the market. It can be used in low pressure situations, with a minimum life expectancy of 50 years.
- Austroads 2023 recommends a minimum 375mm diameter pipe. This can assist in reducing the risk of blockages due to leaf debris and silting. Smaller pipes will require more frequent inspection and maintenance programming to maintain capacity.

Head and Endwalls

Head and endwalls come in two types - precast concrete or cast in-situ concrete which is formed and poured on site.

Floodways

On a road network a floodway is a section of road across a shallow depression/floodplain in an area subject to flooding. A drainage channel that allows for a rain event larger than the design has allowed for to flow over the road surface. A floodway shall be installed as per MRWA *Floodway Design Guide*.

9 Public Open Space

Public Open Space (POS) is land intended or used for recreation purposes by the public. It includes public gardens, parks, playgrounds, and sporting fields. It is one of the most visible and utilised assets within the Shire, providing space for recreation, sporting, community development programmes, greenspace, and generally enhancing the amenity of the area.

Park Functionality

Function	Purpose	Description
Gardens	Improve the aesthetics of an area	Cemetery, medians & roundabouts, sporting, POS, and entry statements.
Nature Park	Natural bush setting where people can enjoy and be close to nature. For the protection of the natural biodiversity	Provides for recreational activities, bushwalks, cycling, horse riding, and bird watching with limited impact on the natural environment.
Recreational Reserves	Providing for active and passive pursuits it is a space for all demographics to relax and socialise	Either passive areas for space to pursue mental enhancement or active areas for the pursuit of physical activities. These spaces may include gardens, parklands, memorial parks, civic squares or multi use playgrounds.
Sporting Reserves	Provision of space for formalised sporting activities	Accommodates a venue for formalised sporting pursuits such as team sports and training, physical skills development, and competition races. Sporting Reserves may also be accessed by the community for informal activities.

9.1 Community Level of Service

The Shire's various POS is to be maintained to provide for passive and active recreational pursuits that are safe and provide a pleasant aesthetic outlook.

9.2 Technical Level of Service

The establishment of appropriate service levels for POS will assist in the decision-making process of Council and guide staff when maintaining the functionality of parks and gardens.

Classification	Catchment Area	Required Amenities	Optional Amenities	Technical LoS	Schedule
Local Park	400m or a five-minute walk within an urban residential zone	Lawn, Seating Shade, (natural) Rubbish bin	Play space Irrigation	Refresh soft fall	Annually
				Lawn mowing	Once a month
				Play equipment inspection	Annually
				Significant tree inspection / prune	Annually
				Rubbish collection	Fortnightly
				Mow lawns	Weekly / fortnightly
				Empty rubbish bin	Weekly
Neighbourhood Park	800m to a 10-minute walk	Lawn Seating Pathways Shade (natural) Children's play Active ball area Rubbish bin	Lighting Picnic table BBQ Bike rack Dog exercise Public toilets Parking Drinking fountain Fencing Reticulation	Refresh soft fall	Annually
				Lawn mowing	Once – twice a month
				Play equipment inspection	Annually
				Significant tree inspection / prune	Annually
				Empty rubbish bin	Weekly
District Park	Within two kilometres	Lawn Seating Pathways Shade (natural) Children's' play	Pavilion Fencing Dog exercise area Dog amenities Parking Public toilets	Refresh soft fall	Annually
				Lawn mowing	Once a month
				Play equipment inspection	Annually

		Active ball area Rubbish bin Activity to cater for all ages, Reticulation All abilities inclusion On-site parking Lighting		Significant tree inspection / prune	Annually
Regional Park	Residents, visitors from outside the district	Lawn Seating Pathways Shade (natural) Children's play Active ball area Rubbish bin Drinking fountain Reticulation Public toilets Power EV charger Bike racks Mobile food vendor parking On-site parking Lighting	Pavilion Dog exercise area Dog amenities Sporting infrastructure	Refresh soft fall	Annually
				Lawn mowing	Twice monthly
				Play equipment inspection	Annually
				Significant tree inspection / prune	Annually

9.3 Public Open Space Hierarchy

The POS Hierarchy and provisions have been developed using the WAPC's *Liveable Neighbourhoods* as a guide.

The following table outlines the types of POS within the Shire.

Classification	Description / Function	Serviceability
Gardens	Areas designed for passive activities or specifically designed for aesthetic value. Caters for locals and visitors to the area. Open space such as Mount Barker's Memorial Gardens that invite people to sit, relax, socialise, and reflect.	Size varies to cater for specific function or functions
Local Park	Small parkland which caters for the residential population within a small catchment area.	Less than <0.5ha within a 400m radius or a five minute walk
Neighbourhood Park	Provides a higher level of service than a local park and serves as a recreational and social attraction, providing opportunities to socialise.	>0.5 to 2ha Within an 800m radius or a ten minute walk
District Park	Provides sufficient space for a range of activities, including dog exercise area, equipment and activities for a range of age groups including picnicking and other social activities.	2ha within a two kilometre radius or a five minute drive
Regional Park	Serves one or more regions and may cater for multiple demographics from outside the local government area. These parks may include sporting fields along with passive and active recreational areas.	Size varies to cater for specific function or functions

10 Buildings

The definition of a building for the purpose of this management plan is defined by the area of responsibility.

Building Classifications

Buildings have been classified into separate categories depending on their function and the service they provide. Colour coding based on the Shire of Plantagenet logo has been used for the different categories which are defined below.

Community Buildings

Buildings which provide a service to the community, community groups or visitors to the area. These buildings range from public toilets to community halls and community groups such as the Men's Shed.

Emergency Buildings

Buildings which provide a place for emergency service organisations to meet, train and store any equipment required to provide emergency support to the community. Buildings typically consist of volunteer Bush Fire Brigade sheds and State Emergency Service meeting rooms and storage sheds.

Historical Buildings

This category has been reserved for all heritage listed buildings including those buildings that are located within the Mount Barker Heritage Museum Precinct.

Operational Buildings

A building used by the Shire to conduct its core functions. This may be a range of buildings from administration offices to mechanical workshops and storage sheds.

Sport and Recreational Buildings

Any building or structure associated with sporting pursuits and recreational activities. This category of building also has a very diverse set of building functions ranging from swimming pool administration and specialised pump rooms to rotundas and gazebos in recreational parks.

Building Types

The definition of building types as set out by the National Construction Codes are listed below.

Class 1 - typically residential buildings or single dwelling such as a detached house or a group of attached dwellings like town houses. Class 1 also covers boarding and guest houses with a floor area less than 300m^2.

Class 2 - multi story apartment buildings.

Class 3 - care type facilities such as aged care residential living.

Class 4 - caretakers residence located within a class 5 to 9 establishment.

Class 5 - office buildings used for professional or commercial purposes.

Class 6 - retail buildings that offer goods or services for sale.

Class 7 - carparks or warehouse and storage facilities.

Class 8 - factories or buildings where production and processing goods for sale is conducted.

Class 9 - buildings that serve a public purpose such as hospitals and health care, schools, churches, and childcare facilities.

Class 10 - not habitable buildings, sheds and garages, fences, masts retaining walls.

Building Components

The table below lists the various components that make up a building and outlines the service and treatment standards.

Component	Service / Treatment	Frequency of service	Useful Life (Years)
Framing			50
Roof	Inspect	Annually	30
Gutters and Down Pipes	Inspect and clean	Biannually	20 (ATO)
Access and Anchor Points	Insect and test in line with AS/NZS5532	Annually	20
External Cladding	Inspect	Annually	20
Windows	Inspect	Annually	20
Doors	Inspect	As required	20
Automatic Doors	Inspect	Annually	15 (ATO)
Internal Cladding	Paint	10 – 15 y	10 – 15
Ceilings	Paint	10 – 15 y	
Floor Coverings			
Carpet, Tiles removable			8 (ATO)
Vinyl, removable			10 (ATO)
Timber (floating), removable	Sand and reseal		15 (ATO)
Concrete	Reseal (five years)		50
Tiles	Grout clean (two years)		20 (ATO)
Fire and Security Services			
Fire Extinguishers	Service	6m	15 (ATO)
Fire Hoses		6m	10
Fire Panels	Test	1w & 1m	10 (ATO)
Sprinkler System and Booster Pumps	N/A	6m	10
Smoke Detectors	Test / replace batteries	6m / Annually	10

Component	Service / Treatment	Frequency of service	Useful Life (Years)
Heat Detectors		6m	10
Emergency Exits, Lighting		Annually	10
Access and Control Systems		Annually	10
Alarm Systems			
Fire	Test	Bi-annually	6 (ATO)
Burglar		Annually	5 (ATO)
Distress		Annually	5 (ATO
CCTV		Annually	4 (ATO)
Sanitation			
Sanitary Bins and deodorizing		Monthly	N/A
Cleaning		Daily / weekly	N/A
Pest control	Termite inspections	Annually	N/A
➢ Spider / ant deterrent	Pest prevention	Biannually	N/A
Fit Out			
Partitioning / Screens		10 year	20 (ATO)
Benches	Inspect	10 year	20y
Light Fittings	Inspect	10 year	
Electrical Cabling	T&T	Annually	10y
ITC Cabling	Inspect	Annually	10y
Toilets	Inspect	Annually	10y
Kitchens	Inspect	Annually	10y
Mechanical Services			
Air Conditioning	Test and clean	Annually	10
Generators	Run Service	Quarterly Annually	25 (ATO)
Exhaust Fans (commercial)	Test and clean	Annually	20 (ATO)
RCD Testing	Test	Annually	
Test and Tag	Test	Annually	
Eye Wash Stations	Test	Annually	10y
Back Flow Testing	Test	Annually	
Grease Trap pump out	Inspect and clean	2-6m AR	10y
Solar Panels			20 (ATO)

10.1 Community Level of Service

Buildings are to be maintained to offer a well maintained and serviced space for community services and gatherings.

10.2 Technical Level of Service

The establishment of appropriate service levels for Shire buildings will assist Councillors with decision making and help guide Shire staff with maintenance.

Performance Measure	Service Level	Performance Measure	Current Performance	Service Target
Responding to Request Way, we respond to requests	Respond within the agreed service level time frame	Number of requests completed within the specified time frame		Ninety percent of requests completed within the agreed time frame
Quality of Service Condition and quality of the asset	Provision of facilities that are in a safe and well-maintained condition	Condition Audit ranking, undertaken every four years	Meets current performance levels.	Minimum of and average score
Safety Measure	Provide infrastructure that complies with the relevel legislation	Regular servicing of essential equipment	Currently meeting our requirements. With regular reviews of our procedures	100% of legislative requirements met
Function Suitability for the intended purpose	Provides a comfortable, efficient environment for the occupants to conduct their specific activities	Number of requests received for maintenance on areas of responsibility under the leasing agreements	Scheduling of contracted works is reliant on contractor availability	100% of issues raised are responded to, and remediated within an acceptable time frame

10.3 Buildings Hierarchy

The Buildings Hierarchy has been set up using a scoring criterion based on ten classifications which are outlined in the following tables. A total score out of 100 is used to calculate the individual building's ranking.

The purpose of scoring against agreed criteria will allow for an unbiased approach to prioritising major maintenance works and if required a replacement / upgrade of the facility or disposal.

1. Current Replacement Cost

Current replacement cost as reported in the insurance valuation as at 30 June 2022.

Current Replacement Cost	Points
>$1000, 0001	9-10
$500,001 - $1000,000	7-8
$250,001 - $500,000	5-6
$100,001 - $250,000	3-4
>$100,000	1-2

2. Strategic Intent

Classification	Purpose	Points
Essential Asset	Any building that is required by the Shire to conduct its core functions to support and maintain the assets that benefit the community. This is a range of buildings from administration offices, mechanical workshops to storage sheds.	9-10
Operational	Essential for core business. Asset to be maintained with a preventative maintenance programme and capital replacement reserve and funded accordingly. Insurance to cover full replacement at current values.	7-8
Strategic Asset	Important for delivery of community service or economic impact. Asset to be maintained with a preventative maintenance program Insurance to cover full replacement.	5-6
Community Asset	Asset life and investment dependent upon level of community use and ownership. Community to contribute to operational maintenance and Council to structural if leased. Renewal considered with the annual budget cycle and service level reviews. Insurance at depreciated / fair value.	3-4
Disposal of Asset	Asset at or near end of life with low community use / need. No plans for maintenance renewal or capital expenditure. Not insured.	1-2

3. Historical / Cultural Significance

Priority	Level of Importance	Points
High	Is the building registered in the state heritage list?	7-10
Moderate	Is the building registered in the Shire's heritage list or is of Aboriginal significance?	3-6
Low	Is the building of importance to the local community?	1-3

4. Operational Status

Classification	Service Provision	Points
Operational	Essential for the day-to-day functions of a local government.	9-10
Emergency	Buildings which provide a place for emergency service organisations to meet, train and store equipment. Buildings typically consist of volunteer Bushfire Brigade sheds and State Emergency Services meeting rooms and storage sheds. This category includes The Rec Centre as its function as an evacuation centre.	7-8
Community	Buildings which provide a service to the community, community groups or visitors to the area. These buildings range from public toilets to community halls and community groups such as the Men's Shed.	5-6
Sport and Recreational	Buildings and structures associated with sporting pursuits and recreational activities. This category of building's also has a diverse set of building functions. These buildings range from swimming pool administration and specialised pump room to rotundas and gazebos in recreational parks.	3-4
Historical	This category has been reserved for buildings listed in either the state heritage registers or the local municipal register.	1-2

5. Health, Education, and Social Services

Facility	Function	Points
Medical	Provides a space for medical professionals to operate	9-10
Child Care	Provides a space for childcare providers to operate	7-8
CRC	Community Resource Centre. Provides training and educational programmes, access to business facilities, along with information on community events and government services	5-6
Educational	Catering for the provision of learning and expanding knowledge. Classification to include the library and facilities leased to other education providers	3-4
Other Training / Social Service	Services that provide training or skills development to volunteer services or community groups	1-2

6. Frequency of Use

Frequency of Use		Points
Daily	Facility is used daily during a typical working week	9-10
Weekly	Facility is used on a weekly basis	7-8
Monthly	Facility is used once a month	5-6
Quarterly	Facility is occupied once every three months	3-4
Annually	Facility only used once per year	1-2

7. Critical Building Asset

Critical Asset	Failure	Impact	Score
Shire Operational Buildings	Loss of power, storm damage, flooding, fire	Outsource services to contractor	9-10
Evacuation and Essential Services	Loss of power, storm damage, flooding, fire	Relocation of services to library / CRC, those that can work from home	7-8
Important Service providers	Loss of power, storm damage, flooding, fire	Other evacuation center will need to be identified, Albany, Cranbrook?	5-6
DFES – SOP Facilities SES and VBFB	Loss of power, storm damage, flooding, fire	SES and VBFB can coexist in other state-owned facilities. VBFB may need to relocate to another brigade. SES may need to coexist with a VBFB. Provisions for state cache	3-4
Minor Infrastructure	Loss of power, storm damage, flooding, fire	Storage sheds, facilities that can collocate with similar functions	1-2

8. Shared Use Facilities

Services / Community Groups Sharing the same Facility.	Points
Public Facilities	9-10
Greater than four community groups sharing the one facility	7-8
Three community or sporting groups sharing the one facility	5-6
Two community or sporting groups sharing the one facility	3-4
One only group using the facility	1-2

9. Service Delivery Alternatives

Alternatives to Service Provider	Points
No alternative - major disruption to services provided	10
Some level of alternative service available, some disruption to services provided	5
Other service provider available with a smooth transition to the new service	1

10. Impact of Closure

Impact	Number of community Members Affected	Points
Significant	Impact of closing a facility will affect greater than 50 community members	10
Moderate	Alternative location for the service is available with minor disruption	5
Low	No impact on the level of service to the community	1

Each building is given a score out of 100, assigned a hierarchy level and prioritised highest to lowest.

Building Hierarchy List

Asset Number	Building	Address	Locality	Category	Current Replacement Cost	(1) Current Replacement Cost	(2) Strategic Intent	(3) Historical / Cultural Significance	(4) Operational Status	(5) Health, Education & Social Services	(6) Frequency of Use	(7) Critical Building Asset	(8) Shared Use Facilities	(9) Service Delivery Alternative	(10) Impact of Closure	Hierarchy Score / Priority
10011	Medical Centre	Marmion St	Mount Barker	Community	3,000,000	9	6	3	8	10	10	9	9	10	10	84
10088	Saleyards - Yards, Shelters Ramps	Albany Hwy	Mt Barker	Operational	24,500,000	10	10	4	10	1	10	9	10	10	10	84
10016	Administration Building	Lowood Rd	Mount Barker	Operational	6,400,000	10	10	1	10	1	10	10	10	10	10	82
10980	Saleyards Administration	Albany Hwy	Mount Barker	Operational	560,000	8	9	1	10	1	10	10	7	10	10	76
10806	Mount Barker Library / CRC	Lowood Rd	Mount Barker	Community	9,700,000	10	8	3	6	4	6	9	6	10	10	72
12189	Public Toilets Kendenup Ag. Grnds	Beverley Rd	Kendenup	Community	120,000	3	6	3	7	1	9	10	10	10	10	69
12175	Saleyards Public Toilets / Amenities	Albany Hwy	Mount Barker	Operational	219,500	3	6	1	10	1	9	6	10	10	10	66
12169	Ablutions	Mead St	Mount Barker	Sport & Rec	1,500,000	9	7	2	4	4	8	2	10	10	10	66
10094	Mechanics Workshop Depot	Langton Rd	Mount Barker	Operational	1,700,000	9	10	1	9	1	10	9	1	5	10	65
11085	Souness Park Pump Shed	McDonald Ave	Mount Barker	Operational	17,000	1	5	1	9	1	8	9	9	10	10	63
10840	Depot Office	Langton Rd	Mount Barker	Operational	365,000	5	10	1	10	1	10	9	1	5	10	62
10792	Wilson Park Public Toilets	Lowood Rd	Mount Barker	Community	172,000	3	7	3	6	1	10	6	10	10	5	61
10991	Rocky Gully Toilets	Muir Hwy	Rocky Gully	Community	108,000	3	7	3	7	1	10	10	10	5	5	61
10984	Depot Machinery Shed North	Langton Rd	Mount Barker	Operational	580,000	8	7	1	9	1	9	9	1	5	10	60
10893	Swimming Pool Pump House	Mead St	Mount Barker	Sport & Rec	81,000	2	6	3	4	2	8	6	9	10	10	60
10026-B	Lessor Hall	Memorial Ave	Mount Barker	Community	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	See 10026-A	0
10933	Cat Pound and Storage Shed	Langton Rd	Mount Barker	Operational	65,000	2	7	1	9	1	8	7	9	5	10	59
10083	Western Communication Tower	Rocky Gully	Rocky Gully	Operational	170,000	3	7	1	9	1	8	8	6	5	10	58
11042	Porongurup District Hall	Porongurup Rd	Porongurup	Community	730,000	8	4	3	6	3	7	6	5	10	5	57
11007	Porongurup Hall Public Toilets	Mt Barker-Porongurup Rd	Porongurup	Community	74,000	2	7	3	7	1	6	6	9	10	5	56
10026-A	Plantagenet District Hall	Memorial Rd	Mount Barker	Historical	6,400,000	10	6	6	6	1	10	1	1	7	7	55
10031	Narrikup District Hall	Beech Rd	Narrikup	Historical	1,700,000	9	6	6	6	3	7	6	7	5	5	60
10019	Town Centre Public Toilets	Lowood Rd	Mount Barker	Community	202,000	4	6	3	6	1	10	6	10	3	6	55
11010	SES Storage Shed	Ormond Rd	Mount Barker	Emergency	640,000	8	7	2	8	2	8	8	2	5	5	55
12021	Wren Oil Storage Shed	O'Neil Rd	Mount Barker	Operational	12,000	1	7	1	9	1	8	4	9	5	10	55
11103	Reinforced Concrete Transfer Station	Woogenellup Rd	Kamballup	Operational	47,500	1	7	1	9	1	8	4	9	5	10	55
10023	Transfer Station (Porongurup)	Surrey Rd	Porongurups	Operational	47,500	1	7	1	9	1	8	4	9	5	10	55
10006	Child Care Centre	Marmion St	Mount Barker	Community	990,000	8	6	3	6	7	10	2	2	5	5	54
10982	Saleyards Pump Shed	Albany Hwy	Mount Barker	Operational	37,500	1	7	1	10	1	9	9	1	5	10	54
11972	Machinery Storage Shed	O'Neill Rd	Mount Barker	Operational	92,000	2	7	1	9	1	8	9	1	5	10	53
10009	Gazebo / Neiche Wall	Mitchell cnr. Warburton St	Mount Barker	Community	64,000	2	5	3	6	2	7	2	9	10	6	52
10042	Rocky Gully Public Toilets	Arbour St	Rocky Gully	Community	74,000	2	6	3	6	1	6	6	10	5	7	52
10033	Woogenellup Hall	Woogenellup North Rd	Woogenellup	Community	680,000	8	6	3	6	1	4	6	3	10	5	52
10082	Radio Room	Tower Rd	Mount Barker	Operational	21,500	1	9	1	5	1	9	8	6	6	6	52
10100	Gardeners Machinery Storage Shed	Langton Rd	Mount Barker	Operational	214,000	4	9	1	9	1	10	6	1	5	6	52
10943	Sounness Park Function Centre	McDonald Ave	Mount Barker	Sport & Rec	2,200,000	9	6	3	4	2	8	2	8	5	5	52
11005	Woogenellup Hall Toilets	Woogenellup North Rd	Woogenellup	Community	57,000	2	7	3	7	1	5	6	5	10	5	51
10064	Kendenup Agricultural Pavilion	Beverly Rd	Kendenup	Community	940,000	8	6	3	6	2	7	6	7	1	5	51
10119	Dog Pound	Langton Rd	Mount Barker	Operational	41,500	1	9	1	9	1	8	7	2	5	8	51
UKN	Communication Hut Shipping Container	Mount Barrow	Mount Barker	Operational	12,500	1	7	1	9	1	8	8	6	5	5	51
10878	Waste Transfer Shed	O'Neil Rd	Mount Barker	Operational	255,000	5	9	1	9	1	8	2	1	5	10	51
10095	Kendenup BFB Shed	First Ave	Kendenup	Emergency	280,000	5	8	2	7	4	9	4	1	5	5	50
11015	Kendenup Hall Park Public Toilets	Hassell Ave	Kendenup	Sport & Rec	165,800	3	7	3	5	1	10	2	9	10	5	55
10944	Sounness Park Club Rooms and Storage	McDonald Ave	Mount Barker	Sport & Rec	2,900,000	9	6	2	4	2	8	2	7	5	5	50
10080	Mitchell House	Albany Hwy	Mount Barker	Historical	1,100,000	9	6	6	6	3	10	2	3	3	1	49
10017	Mount Barker Cemetery West Pavilion	Mitchell St	Mount Barker	Community	152,000	3	5	3	6	2	7	2	6	10	5	49
10784	Sounness Park Public Toilets	McDonald Ave	Mount Barker	Sport & Rec	174,000	4	7	3	3	1	9	2	10	5	5	49
10056	Frost Pavilion	McDonald Ave	Mount Barker	Sport & Rec	3,700,000	10	6	3	4	2	5	2	7	5	5	49
UKN	Agricultural Society Exhibition Hall	McDonald Ave	Mount Barker	Community	760,000	8	4	3	6	2	7	6	7	5	1	49
10343	Narpyn BFB Shed	Albany Hwy	Mount Barker	Emergency	202,000	4	8	2	7	4	8	4	1	5	5	48
10711	Porongurup BFB Shed	Surry Rd	Porongurup	Emergency	194,000	4	8	2	7	4	8	4	1	5	5	48
12030	Taylor Park Gazebo	Hannan Way	Narrikup	Community	53,000	2	4	3	6	1	9	5	7	5	5	47
11018	Pre School	Beverly Rd	Kendenup	Community	320,000	5	4	3	5	4	8	6	2	5	5	47
11014	First Responders Shed	First Ave	Kendenup	Emergency	57,000	2	7	2	7	4	7	7	1	5	5	47
10096	Site Office	O'Neill Rd	Mount Barker	Operational	28,000	1	9	1	9	1	10	2	1	5	8	47

Asset Number	Building	Address	Locality	Category	Current Replacement Cost	(1) Current Replacement Cost	(2) Strategic Intent	(3) Historical / Cultural Significance	(4) Operational Status	(5) Health, Education & Social Services	(6) Frequency of Use	(7) Critical Building Asset	(8) Shared Use Facilities	(9) Service Delivery Alternative	(10) Impact of Closure	Hierarchy Score / Priority
11969	Staff House	Martin St	Mount Barker	Operational	870,000	8	9	1	9	1	10	2	1	5	1	47
12019	Rocky Gully Cemetery Gazebo	Muir Hwy	Rocky Gully	Community	12,500	1	5	3	6	1	6	5	9	10	5	51
10102	Perillup BFB Shed	Muir Hwy	Perillup	Emergency	144,000	3	8	2	7	4	7	4	1	5	5	46
10104	Middle Ward BFB Shed	Quangellup Rd	Mount Barker	Emergency	146,000	3	8	2	7	4	7	4	1	5	5	46
10785	Forest Hill BFB Shed	Muir Hwy	Forest Hill	Emergency	114,000	3	8	2	7	4	7	4	1	5	5	46
10845	South Porongurup BFB Shed	Off Woodlands Rd	Narrikup	Emergency	146,000	3	8	2	7	4	7	4	1	5	5	46
11009	Narrikup BFB	Beech Rd	Narrikup	Emergency	170,000	3	8	2	7	4	7	4	1	5	5	46
11107	Denbarker BFB Shed	Seymour Rd	Denbarker	Emergency	146,000	3	8	2	7	4	7	4	1	5	5	46
10774	Store Shed & Tip Shop	O'Neil Rd	Mount Barker	Operational	130,000	3	8	1	9	1	8	2	1	5	8	46
12141	Plantagenet News	Memorial Rd	Mount Barker	Community	670,000	8	6	1	5	1	8	4	2	5	5	45
10093	Woogenellup BFB Shed	Woogenellup North Rd	Woogenellup	Emergency	69,000	2	8	2	7	4	7	4	1	5	5	45
10103	Rocky Gully BFB Shed	Arbour St	Rocky Gully	Emergency	71,000	2	8	2	7	4	7	4	1	5	5	45
10097	Kendenup Transfer Station	Lake Matilda Rd	Kendenup	Operational	26,000	1	9	1	9	1	8	2	1	5	8	45
10762	Kambellup Waste Transfer Station - Site Office	Woogenellup Rd	Woogenellup	Operational	26,000	1	9	1	9	1	8	2	1	5	8	45
12024	Battery Recycling Shelter	Surrey Downs Rd	Porongurup	Operational	8,800	1	7	1	9	1	8	4	9	5	10	55
10008	CEO House	Martin St	Mount Barker	Operational	980,000	8	9	1	6	1	10	2	1	5	1	44
10993	Old Police Station	Albany Hwy	Mount Barker	Historical	600,000	8	5	10	2	1	10	1	1	2	2	42
10084-A	Visitors Centre	Albany Hwy	Mount Barker	Historical	3,100,000	9	6	10	2	1	10	1	1	1	1	42
10084-B	Oyster Harbour Catchment Group	Albany Hwy	Mount Barker	Historical	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	See10084-A	0
12032	Kendenup Hall Park Gazebo	Hassell Ave	Kendenup	Sport & Rec	16,000	1	4	3	5	1	7	2	9	5	5	42
10981	Salyards Workshop Shed	Albany Hwy	Mount Barker	Community	23,500	1	7	2	9	1	9	5	1	5	1	41
10973	Frost Park Public Toilets	McDonald Ave	Mount Barker	Sport & Rec	164,000	3	2	3	4	1	7	2	9	5	5	41
10063	Kendenup Tennis Pavilion	Beverly Rd	Kendenup	Sport & Rec	248,000	4	4	4	4	3	4	7	1	5	5	41
10887	Kendenup Country Club Pavillion	Beverley Rd	Kendenup	Sport & Rec	1,600,000	9	4	3	4	3	8	2	2	3	3	41
12033	Kendenup Hall Park Shelter	Hassell Ave	Kendenup	Sport & Rec	10,500	1	4	2	5	1	7	1	9	5	5	40
12014	Muir Hwy Gazebo	Muir Hwy	Rocky Gully	Community	15,000	1	5	3	5	1	8	2	9	5	5	44
12197	Bulldozer Shelter	Hassell Ave	Kendenup	Community	75,000	2	5	2	5	2	7	5	9	1	1	39
10041	Narrikup Combined Sport Club	Hannan Way	Narrikup	Community	168,000	3	4	3	4	1	7	4	3	5	5	39
10994	Stables and Coach House	Albany Hwy	Mount Barker	Historical	260,000	5	5	10	2	1	10	1	1	2	2	39
10029	Kendenup Hall	Hassell Ave	Kendenup	Community	1,400,000	9	4	6	6	3	1	6	2	1	1	39
11088	Staff Residence Depot	Langton Rd	Mount Barker	Operational	480,000	6	7	1	9	1	1	2	1	10	1	39
10207	Swimming Pool Shelter	Mead St	Mount Barker	Sport & Rec	33,000	1	5	3	4	3	7	1	10	5	5	44
12062	Swimming Pool Shelter	Mead St	Mount Barker	Sport & Rec	10,400	1	5	3	4	3	7	1	10	5	5	44
10040	Tennis Club "Bob Deane Pavilion"	Lowood Rd	Mount Barker	Sport & Rec	370,000	5	4	3	4	4	6	2	1	5	5	39
10884	Information Shelter	Albany Hwy	Mount Barker	Community	45,000	1	6	1	5	2	7	6	1	1	8	38
18032	Railway Station Toilets	Albany Hwy	Mount Barker	Historical	116,000	3	8	10	2	1	10	1	1	1	1	38
10062	Skinner Pavilion	McDonald Ave	Mount Barker	Sport & Rec	590,000	7	6	3	4	2	3	2	1	5	5	38
10987	Staff Alfresco BBQ Area	Langton Rd	Mount Barker	Operational	20,500	1	7	1	9	1	7	4	1	5	1	37
12211	Wilson Park Picnic Shelter	Lowood Rd	Mount Barker	Sport & Rec	27,000	1	5	3	4	1	9	1	8	5	1	38
11094	Shade Shelter	Lowood Rd	Mount Barker	Sport & Rec	51,000	2	6	3	6	1	9	1	8	1	1	38
10027	Men's Shed Club Room / Workshop	Booth St	Mount Barker	Community	530,000	7	4	2	6	2	7	2	2	3	1	36
11017	Kendenup Tennis Club Toilets	Beverly Rd	Kendenup	Sport & Rec	26,500	1	7	2	4	1	7	2	2	5	5	36
12346	Kendenup Information Shelter	Hassell Ave	Mount Barker	Community	6,600	1	5	1	5	2	7	3	9	1	1	35
11003	Residence and Office	Albany Hwy	Mount Barker	Historical	760,000	8	5	3	1	1	10	1	1	2	2	34
10772	Centenary / RSL Park Gazebo	Memorial Ave	Mount Barker	Sport & Rec	7,400	1	5	3	6	1	6	1	6	5	1	35
10786A	Race Announcement Tower	McDonald Ave	Mount Barker	Sport & Rec	44,846	1	5	3	5	1	5	2	4	5	3	34
10786B	Taylor Dennis Public Toilets	McDonald Ave	Mount Barker	Sport & Rec	37,490	1	5	3	5	1	5	2	4	5	3	34
10940	Speedway Club Room	Speedway Lane	Mount Barker	Sport & Rec	102,000	3	4	1	4	3	6	2	1	5	5	34
10940A	Speedway Bar	Speedway Lane	Mount Barker	Sport & Rec	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	0
10940B	Bar Shelter	Speedway Lane	Mount Barker	Sport & Rec	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	See 10940	0
10989	Gazebo Wilson Park	Lowood Rd	Mount Barker	Community	80,000	2	5	3	3	1	7	2	8	1	1	33
12139	Archive Repository	Albany Hwy	Mount Barker	Historical	99,500	2	6	3	1	1	10	1	3	6	6	39
10786C	Taylor Dennis TOTE Room	McDonald Ave	Mount Barker	Sport & Rec	143,318	3	5	3	5	1	5	2	1	5	3	33
10786	Taylor Denis Pavilion Bar	McDonald Ave	Mount Barker	Sport & Rec	484,346	6	5	3	5	1	3	2	2	5	1	33
10044	Narpanup Clubhouse	Albany Hwy	Mount Barker	Sport & Rec	1,400,000	9	2	2	3	3	5	2	1	5	1	33

Building	Address	Locality	Category	Current Replacement Cost	(1) Current Replacement Cost	(2) Strategic Intent	(3) Historical / Cultural Significance	(4) Operational Status	(5) Health, Education & Social Services	(6) Frequency of Use	(7) Critical Building Asset	(8) Shared Use Facilities	(9) Service Delivery Alternative	(10) Impact of Closure	Hierarchy Score / Priority
Bristol Building	Albany Hwy	Mount Barker	Historical	360,000	5	5	3	1	1	10	1	1	2	2	31
Blacksmith Workshop	Albany Hwy	Mount Barker	Historical	260,000	5	5	3	1	1	10	1	1	2	2	31
Hostel Rooms & Ablution	Albany Hwy	Mount Barker	Historical	325,000	5	5	3	1	1	10	1	1	2	2	31
Jim Erskine Workshop	Albany Hwy	Mount Barker	Historical	220,000	4	5	3	1	1	10	1	1	2	2	30
Pony Club Shed	Martagallup-Tenderten Rd	Kendenup	Sport & Rec	91,000	2	4	2	3	2	6	4	1	5	1	30
Frost Park Communications Tower	Mc Donald Ave	Mount Barker	Sport & Rec	72,000	2	5	2	3	1	6	1	5	5	3	33
Recreation Centre Changerooms	Albany Hwy	Mount Barker	Sport & Rec	114,037	3	8	1	1	1	8	5	1	1	1	30
Masons House	Albany Hwy	Mount Barker	Historical	124,000	3	5	3	1	1	10	1	1	2	2	29
Tractor Storage Shed	Albany Hwy	Mount Barker	Historical	140,000	3	5	3	1	1	10	1	1	2	2	29
Pioneer Room	Albany Hwy	Mount Barker	Historical	275,000	5	6	3	1	1	8	2	1	1	1	29
Solier Settlement Shelter	Muir Hwy	Rocky Gully	Community	32,000	1	5	3	1	2	6	2	1	5	2	28
Napier Creek School Building	Albany Hwy	Mount Barker	Historical	54,000	2	5	3	1	1	10	1	1	2	2	28
Railway Siding Hut	Albany Hwy	Mount Barker	Historical	12,500	2	5	3	1	1	10	1	1	2	2	28
Frost Park Sheep Pavilion	McDonald Ave	Mount Barker	Community	2,003,000	9	2	1	5	1	3	3	3	1	1	29
Frost Park Sheep Pavilion Toilets	McDonald Ave	Mount Barker	Community	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	See 10058A	0
Men's Shed Metal Workshop	Booth St	Mount Barker	Community	73,000	2	4	1	5	2	7	3	1	1	1	27
Old Farm Machinery Store Shed	Albany Hwy	Mount Barker	Historical	43,000	1	5	3	1	1	10	1	1	2	2	27
Kendenup Oval Dugout	Beverley Rd	Kendenup	Sport & Rec	8,000	1	4	2	3	2	6	1	1	5	2	27
Sounness Park Hockey Dug Out	McDonald Ave	Mount Barker	Sport & Rec	4,200	1	5	2	3	2	6	1	1	5	1	27
Sounness Park Hockey Dug Out	McDonald Ave	Mount Barker	Sport & Rec	4,200	1	5	2	3	2	6	1	1	5	1	27
Kendenup Skate Park Shelter	Hassell Ave	Kendenup	Sport & Rec	11,500	2	4	1	3	1	8	1	2	5	4	31
Public toilets	Speedway Lane	Mount Barker	Sport & Rec	108,000	3	4	1	3	1	6	2	1	5	1	27
Playgroup Shade Shelter	Marmion St	Mount Barker	Community	16,000	1	3	1	5	3	9	2	1	1	5	31
Narrikup Combined Sports Club Shelter	Hannan Way	Narrikup	Sport & Rec	16,000	1	3	1	3	2	5	1	2	5	3	26
Souness Park (Tennis) Shed	McDonald Ave	Mount Barker	Sport & Rec	26,000	1	3	2	3	1	5	1	3	5	2	26
Shed Kendenup Country Club	Beverley Rd	Kendenup	Community	26,500	1	3	1	4	1	7	1	1	1	5	25
Visitors Centre Bus Stop Shelter	Albany Hwy	Mount Barker	Community	32,000	1	5	1	5	1	7	2	1	1	1	25
Men's Shed Steve Westerink Shed	Booth St	Mount Barker	Community	40,500	1	4	1	5	2	7	2	1	1	1	25
Historic Out-house	Albany Hwy	Mount Barker	Historical	29,500	1	5	3	1	1	10	1	1	1	1	25
Archery Shed	Bourke St	Mount Barker	Sport & Rec	9,600	1	3	1	3	1	7	2	1	1	5	25
Men's Shed Old Toilet Storage	Booth St	Mount Barker	Community	55,000	2	4	2	5	1	5	1	2	1	1	24
Central Tower	Speedway Lane	Mount Barker	Sport & Rec	28,500	1	4	1	3	1	6	1	1	5	1	24
Sounness ParkTicket Booth	Mc Donald Ave	Mount Barker	Sport & Rec	6,400	1	4	1	3	1	7	1	1	5	1	25
Kiosk	Speedway Lane	Mount Barker	Sport & Rec	68,000	2	4	1	3	1	6	1	1	5	1	25
Pit Toilet Block	Speedway Lane	Mount Barker	Sport & Rec	128,000	3	3	1	3	1	6	1	1	5	1	25
Ticket Booth	Speedway Lane	Mount Barker	Sport & Rec	3,400	1	3	1	3	1	6	1	1	5	1	23
Narrikup Combined Sports Shed	Hannan Way	Narrikup	Sport & Rec	6,200	1	3	2	3	1	5	1	2	5	1	24
Lawn Mower Shed	Albany Hwy	Mount Barker	Community	UKN	1	3	1	5	1	7	2	1	1	1	23
Handicappers Box	Speedway Lane	Mount Barker	Sport & Rec	3,200	1	3	1	3	1	6	1	1	5	1	23
SES Raised Shed	Ormond Rd	Mount Barker	Emergency	13,000	1	1	2	1	1	1	2	1	1	1	12
SES Ablutions	Ormond Rd	Mount Barker	Emergency	14,500	1	1	2	1	1	1	2	1	1	1	12
Sounness Park Hockey Scorers Hut	McDonald Ave	Mount Barker	Sport & Rec	25,500	1	5	1	3	1	5	1	1	1	1	20
Speedway Shelter	Speedway Lane	Mount Barker	Sport & Rec	184,000	4	3	1	3	1	5	1	1	1	1	21
Shade Structure	Speedway Lane	Mount Barker	Sport & Rec	57,000	2	3	1	3	1	6	1	1	1	1	20
Garage	Speedway Lane	Mount Barker	Sport & Rec	25,000	1	3	1	3	1	6	1	1	1	1	19
Building Store	Marmion St	Mount Barker	Operational	345,000	5	1	1	1	1	5	1	1	1	1	18
Speedway Shelter	Speedway Lane	Mount Barker	Sport & Rec	20,400	1	3	1	3	1	5	1	1	1	1	18
Speedway Camera Box	Speedway Lane	Mount Barker	Sport & Rec	8,000	1	3	1	3	1	5	1	1	1	1	18
Narrikup District Hall garage	Beech Rd	Narrikup	Community	20,500	1	3	1	5	1	2	1	1	1	1	17
Playgroup Centre Toy Library	Marmion St	Mount Barker	Community	136,000	3	2	1	5	1	1	1	1	1	1	17
SES Offices	Ormond Rd	Mount Barker	Emergency	212,000	4	1	2	1	1	1	2	1	1	1	15
Blue Shed	Bourke St	Mount Barker	Sport & Rec	20,000	1	3	1	3	1	1	1	1	1	1	14
Netball Kiosk	Langton Rd	Mount Barker	Sport & Rec	39,500	1	2	1	3	1	1	1	1	1	1	13
Tennis Shelter	Bateman Cnr Arbour St	Rocky Gully	Sport & Rec	8,800	1	1	1	3	1	1	1	1	1	1	12
Total Current Replacement Cost for all buildings				**97,707,937**											

11 Waste

Waste covers both the disposal and recycling of items that are no longer of value or can be recycled into other products.

The Shire has five waste collection facilities. Of these the O'Neill Road Waste Management Facility (WMF) is the only licenced landfill site.

The other sites at Kendenup, Rocky Gully, Kamballup and Porongurup are transfer stations. General putrescible waste is collected in bins at these sites and then transported to the O'Neill Road WMF.

11.1 Community Level of Service

Policy definition of service levels is to match the asset and level of service to the community expectation and need, statutory requirements and level of affordability.

The Shire aims to provide waste services for the community. This involves kerbside waste and recycle collections within the townsite boundaries and reasonable access to a range of waste disposal and recycling options at the various waste facilities. Rural residents without entitlement to kerbside waste collections are supplied with a subsidised rural tip pass (26 tokens) to ensure an equitable means of waste disposal.

The Community LoS has been specified according to the objectives and targets set out in the Department of Water and Environment's *Waste Avoidance and Resource Recovery Strategy 2030* (Waste Strategy). The strategy aims to ***avoid*** waste by generating less waste; to ***recover*** more value and resources from waste; and to ***protect*** the environment by responsible waste management.

11.2 Technical Level of Service

The Shire is currently under contract to Cleanaway Pty Ltd (Cleanaway) for all kerbside waste collections within the four townsites. This includes a weekly domestic household waste collection and a fortnightly co-mingled recycling collection. In addition, a commercial collection and a public facility collection are managed by Cleanaway. Cleanaway are also contracted to collect co-mingled recycling disposed of at the various WMF.

11.3 Waste Hierarchy

The Waste Hierarchy is determined by the type of waste and recyclable materials accepted at each WMF. The table below is a list of materials accepted at each site. The O'Neill Road WMF is the central facility within the Shire.

Items Accepted	O'Neill Road	Kendenup	Kamballup	Porongurup	Rocky Gully
Vehicle Batteries	✓				
Household Batteries	✓	✓	✓	✓	✓

Car Bodies	✓		✓		✓
Uncontaminated Timber	✓	✓			
Uncontaminated Green Waste	✓	✓			
Building Rubble	✓				
Household Waste	✓	✓	✓	✓	✓
Furniture	✓	✓			
Drum Muster	✓	✓	✓	✓	
Gas Bottles	✓	✓		✓	
E-waste	✓	✓			✓
Scrap Metal	✓	✓			✓
Tyres	✓	✓			
White Goods	✓	✓	✓		✓
Used Oil	✓	✓			
Controlled Waste					
Septage	✓				
Animal Carcasses	✓				
Asbestos	✓				
Separated Recyclables					
Plastic Bottles	✓	✓	✓	✓	✓
Cans	✓	✓	✓	✓	✓
Cardboard	✓	✓	✓	✓	✓
Paper	✓	✓	✓	✓	✓
Glass Bottles/Jars	✓	✓	✓	✓	✓

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