

Technical Asset Management Plan Summary

**Bridges, Floodways,
Footpaths, Stormwater,
Transport (Roads)**

2020 - 2030

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Document Control

Rev No	Date	Revision Details	Author	Reviewer	Approver
1	26/08/2021	Initial draft	SW(AE)	GN(LRC)	
2	30/08/2021	Minor amendments following initial review by Council	SW(AE)		



Developed by Asset Engineering from resources available through the IPWEA the NAMS+ program



1.0 Introduction & Summary

1.1 Background

This AM Plan (technical) has been prepared as an Annexure to the AM Plan summary. It covers the following asset types:

Asset Group	Asset Type
Stormwater	Drain
	Pit
	Basin
Bridges & Floodways	Vehicle bridges & floodways
Transport	Indented carparking
	Kerb
	Pavement
	Seal
Footpaths	Concrete & paved footpaths (no crusher dust or gravel paths)
Sheeted Roads	Unsealed roads covered with sheeting material

1.2 Plan Development

The plan has been developed using the best available information to derive a sustainable renewal program based on defined service levels and exposure to risk.

Councils' valuation register has been amended significantly for the purpose of developing this AM Plan via amending unit rates, useful lives and componentisation to develop a more accurate renewal profile.

The plan has been developed through developing the key areas of Levels of Service, Future Demand and Risk via workshops with Council Staff.

1.3 Lifecycle Costs

1.3.1 What does it Cost?

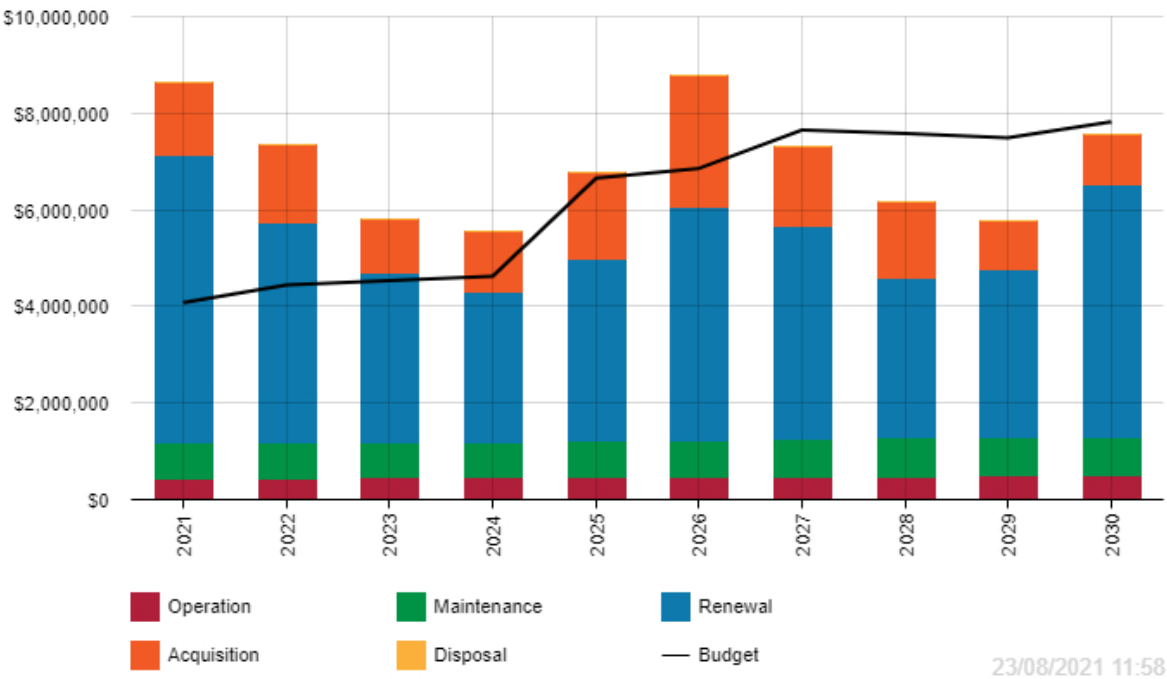
The forecast lifecycle costs necessary to provide the services covered by this AM Plan includes operation, maintenance, renewal, acquisition, and disposal of assets. The AM Plan informs a Long-Term Financial Planning period of 10 years. Therefore, a summary output from the AM Plan is the forecast of 10 year total outlays, which for the stormwater, transport, footpaths & sheeted roads is estimated as \$70,501,544 or \$7,050,154 on average per year.

1.3.2 What we will do

Estimated available funding for the 10 year period is \$61,737,348 or \$6,173,735 on average per year as per the Long-Term Financial plan or Planned Budget. This is 87.5% of the cost to sustain the current level of service at the lowest lifecycle cost.

The infrastructure reality is that only what is funded in the long-term financial plan can be provided. The informed decision making depends on the AM Plan emphasising the consequences of Planned Budgets on the service levels provided and risks.

The anticipated Planned Budget for Bridges, Floodways, Footpaths, Stormwater & Transport leaves a shortfall of \$-876,419 average per year of the forecast lifecycle costs required to provide services in the AM Plan compared with the Planned Budget currently included in the Long-Term Financial Plan. This is shown in the figure below.



1.4 Levels of Service & Future Demand

The service level provided by Council’s Township roads has increased over the last 30 years from being (in some cases) unsealed with no kerbing or footpaths to fully asphalted roads with full kerbing and footpaths. Costs associated with these upgrades (future demand) works have been considered as acquisition costs. These acquisitions however are directly linked to renewals conducted on the same road segment.

Additional acquisitions are also associated with the extension to the footpath and stormwater networks against which actual works are yet to be defined. Growth (future demand) has also been considered through future development of the Roseworthy Township.

The extensive acquisitions (levels of service changes / new development / network extension) will impact upon existing maintenance & operations allocations and will require significant adjustment moving forward.

It is expected that, given the funding shortfall, Council will be unable to meet its Levels of Service & Future Demand targets if all works are completed with a view to containing full lifecycle costs i.e undertaken in a timely manner to avoid high renewal costs in the future.

1.5 Risk Management

Our present budget levels are insufficient to continue to manage risks in the medium term.

The main risk consequences are:

- Pedestrian hazards through use of unsealed footpaths.
- Potential for unbudgeted significant renewal or replacement costs for bridges
- Increase in life cycle costs (premature asset failure) due to project level planning not identifying pavement renewal and deep lift patching requirements.

We will endeavour to manage these risks within available funding by:

- Investigate provision of new footpaths across the network & develop priority program for Council approval including full lifecycle costs
- Undertake bridge inspection & develop costed renewal and upgrade program
- Undertake development of a 5-year project level rolling works program, (incorporating kerb replacement) derived from a detailed inspection of the township road network

2.0 Levels of Service

2.1 Customer Values

Service levels are defined in three ways, customer values, customer levels of service and technical levels of service.

Customer Values indicate:

- what aspects of the service is important to the customer,
- whether they see value in what is currently provided and
- the likely trend over time based on the current budget provision

Table 2.1.1: Customer Values – Seal, Pavement, Kerb, Footpath & Sheeted Roads

Customer Values	Customer Satisfaction Measure	Current Feedback	Expected Trend Based on Planned Budget
Timely response to customer complaints and requests	Time taken to respond to a request	Recorded in customer request system	Expected to increase.
Smooth ride	Customer service requests relating to patching, patrol and grading. Insurance claims	Recent increased program of sealing unsealed roads decreases the no. of roads required to be resheeted and patrol graded. Priority of roads drive the sealing of unsealed roads	Expected to increase (pending successful grant applications). Traffic volumes increasing on unsealed roads (generally)
Clean streets	Customer service requests relating to street sweeping	Budget drives the street sweeping program, not customer requests.	Expected to stay the same pending review of street sweeping program which may increase effectiveness of program and decrease requests
All weather access	Customer service requests relating to re-sheeting. Complaints related to sheeting un-sheeted roads. Insurance claims	\$50k pa budget for subgrade breakthrough on sheeted roads No allocated budget for upgrading roads from formed (class 4) to sheeted (class 3)	Expected to stay the same. Council decision on what roads are upgraded pending grants that may be received (no allocated funding). Maintain register of roads requesting upgrade from Class 4 (formed)
No water standing in road	Customer service requests relating kerb repairs and cleaning of swales	Reactive only decisions are currently made as to kerb repair. Increasing problems with trees as plantings increase.	Expected to increase

Customer Values	Customer Satisfaction Measure	Current Feedback	Expected Trend Based on Planned Budget
Safe footpaths	Customer service requests relating to the provision of new footpaths and unsafe footpaths Insurance claims	Many requests relating to upgrade from gravel to sealed, from unmade to gravel and repair of gravel.	Expected to increase. \$120k for upgrade only of footpaths
Extent of footpaths	Customer service requests relating to the provision of new footpaths	Recorded in customer request system	Expected to stay the same

Table 2.1.2: Customer Values – Stormwater, Bridges & Floodways

Customer Values	Customer Satisfaction Measure	Current Feedback	Expected Trend Based on Planned Budget
No flooding	Extent and frequency of flooding from the major and minor stormwater network	Flooding on rare occasion over short period of time	Stay the same
Access to properties	Time that access to properties is restricted	Floodway's may prevent access with high water levels in associated water courses	Stay the same pending review of floodway's (refer improvement plan)
Floodways may not be wide enough for large access vehicles	Restrictions placed on large plant access to properties	Some floodways' are not wide enough for large plant (farm access)	Stay the same pending review
Bridge load limits	Unrestricted access for heavy vehicles across bridges.	Some bridges prevent access for waste collection and truck access. Aim to have bridges with no load limits	Stay the same pending review
Stormwater should be underground and not in swale (township)	The extent to which the ponding of stormwater in a road proves a nuisance.	There are still many roads that have no kerbing.	Expected to continue pending Council review of the LTFP.
Rural Roads– no water off roadway	The extent to which water ponds on roadways following a rain event.	In flat areas (including state roads) there are issues with stormwater nuisance (holding water)	Stay the same pending review
Safety of bridges & floodways	Extent to which bridges & floodway's offer hazard minimisation to road users.	Some do not have guardrails & barriers	Stay the same pending review

2.2 Customer Levels of Service

The Customer Levels of Service are considered in terms of:

Condition How good is the service ... what is the condition or quality of the service?

Function Is it suitable for its intended purpose Is it the right service?

Capacity/Use Is the service over or under used ... do we need more or less of these assets?

In Table 2.2.1 & 2.2.2 under each of the service measures types (Condition, Function, Capacity/Use) there is a summary of the performance measure being used, the current performance, and the expected performance based on the current budget allocation.

These are measures of fact related to the service delivery outcome (e.g. number of occasions when service is not available or proportion of replacement value by condition %'s) to provide a balance in comparison to the customer perception that may be more subjective.

Table 2.2.1: Customer Level of Service Measures - – Seal, Pavement, Kerb, Footpath & Sheeted Roads

Type of Measure	Level of Service	Performance Measure	Current Performance	Expected Trend Based on Planned Budget
Condition	Spray seal surface: Average remaining life as a percentage of useful life	Condition assessment	44%	35%
	Footpaths: Average remaining life as a percentage of useful life	Condition assessment	72%	65%
	Seals, pavements and kerb – renewal funding	Asset renewal funding ratio	87%	87%
	Footpaths– renewal funding	Asset renewal funding ratio	87%	87%
	Sheeted roads– renewal funding	Asset renewal funding ratio	87%	87%
	Confidence levels		Moderate	Moderate
Function	Ability of road network to accommodate freight movement	Spray sealing of unsealed freight route – grant funding driven together with asphalt upgrade to intersections, width widening and sealing shoulders	Driven by grant funding for upgrade on rural network	Expected to continue or increase based on availability of grant funding

Type of Measure	Level of Service	Performance Measure	Current Performance	Expected Trend Based on Planned Budget
	Upgrade of class 4 roads	No of formed unsheeted roads with sole resident access	1 (subject to further investigation)	0
	Extent of footpath network	Extent of sealed footpaths in townships	Footpath provision based predominantly on requests	Footpath provision based predominantly on requests
	Confidence levels		Moderate	Moderate
Capacity	Are roads suitable for increased freight task i.e. harvest	Extent of edge breaks on sealed rural road network i.e. high edge breaks can be a determinant of inadequate road width.	Fairly high	Increase in edge breaks
	Confidence levels		Medium	Medium

Table 2.2.2: Customer Level of Service Measures - Stormwater, Bridges & Floodways

Type of Measure	Level of Service	Performance Measure	Current Performance	Expected Trend Based on Planned Budget
Condition	Floodway condition	Percentage of floodway's at condition 3 or poorer	50%	55%
	Floodway condition	Percentage of floodway's at condition 4 or poorer	34%	39%
	Cross Drain Pipe condition	Percentage of cross drain pipes at condition 3 or poorer	4%	5%
	Cross Drain Pipe condition	Percentage of cross drain pipes at condition 4 or poorer	2%	3%
	Cross Drain Culvert condition	Percentage of cross drain culverts at condition 3 or poorer	1.5%	2%
	Cross Drain Culvert condition	Percentage of cross drain culverts at condition 4 or poorer	0%	1%
	Bridge condition	Percentage of bridges at condition 3 or poorer	61%	66%
	Bridge condition	Percentage of bridges at condition 4 or poorer	42%	45%
	Stormwater drain condition	Percentage of drains at condition 3 or poorer	16%	18%

Type of Measure	Level of Service	Performance Measure	Current Performance	Expected Trend Based on Planned Budget
	Stormwater drain condition	Percentage of drains at condition 4 or poorer	5%	6%
	Stormwater node (pit) condition	Percentage of pits at condition 3 or poorer	45%	48%
	Stormwater node (pit) condition	Percentage of pits at condition 4 or poorer	1%	1%
	Confidence levels		Medium	Low
Function	Bridge	Access (load limit) placed on bridges.	Some bridges have a load limit placed on them due to structural concerns	Expected to continue
	Bridge	Access (vehicle width) Percentage of bridges < 6m width i.e. 2 way access	43%	43%
	Floodway	Access (vehicle width) Percentage of floodways < 6m width	11%	11 %
	Stormwater	Amenity of swales: Swales that are well maintained are acceptable by the community. Swales that pond water create a nuisance	Portion of township swales in poor condition	Extent of swales in poor condition will increase
	Confidence levels		High/Medium	High/Medium/
Capacity	Stormwater	Capacity identified in stormwater management plan – 1 in 5 event (minor system) and major system at specific locations	Stormwater management plans identify additional assets required. Minor system sometimes at capacity leading to water ponding in road for extended period of time. Major system has identified shortfalls	Funding currently not allocated to stormwater management plans proposed initiatives

Type of Measure	Level of Service	Performance Measure	Current Performance	Expected Trend Based on Planned Budget
	Floodways	The extent to which floodway's are impassable due to inundation.	Some floodways provide a relatively low level of service with no low flow.	Expected to continue
			Should cope with 1 in 5 event without damage to road and watercourse	
	Confidence levels		Medium	Medium

2.3 Technical Levels of Service

Technical Levels of Service – To deliver the customer values, and impact the achieved Customer Levels of Service, are operational or technical measures of performance. These technical measures relate to the activities and allocation of resources to best achieve the desired customer outcomes and demonstrate effective performance.

Technical service measures are linked to the activities and annual budgets covering:

- **Acquisition** – the activities to provide a higher level of service (e.g. widening a road, sealing an unsealed road) or a new service that did not exist previously.
- **Operation** – the regular activities to provide services (e.g. inspections, etc
- **Maintenance** – the activities necessary to retain an asset as near as practicable to an appropriate service condition. Maintenance activities enable an asset to provide service for its planned life (e.g. road patching, unsealed road grading),
- **Renewal** – the activities that return the service capability of an asset up to that which it had originally provided (e.g. road resurfacing and pavement reconstruction),

Service and asset managers plan, implement and control technical service levels to influence the service outcomes.¹

Tables 2.3.1 & 2.3.2 shows the activities expected to be provided under the current 10 year Planned Budget allocation, and the Forecast activity requirements being recommended in this AM Plan.

¹ IPWEA, 2015, IIMM, p 2 | 28.

Table 2.3.1: Technical Levels of Service - Seal, Pavement, Kerb, Footpath & Sheeted Roads

Lifecycle Activity	Purpose of Activity	Activity Measure	Current Performance*	Recommended Performance **
Acquisition	Upgrade township roads from spray seal and no kerb to AC and kerb	Capital works program	2.5 km	5.36 km
		Budget	\$716,136 (all upgrades incl township roads)	\$1,244,894 (all upgrades incl township roads)
Operation	Clean roads enabled by street sweeping.	Amount spent pa on contract street sweeping	\$ 60,000 pa (street sweeping only)	\$ 119,000 pa (due to growth in kerb network over 10 years) through 'kerbing' township roads and Roseworthy growth
		Budget	\$435,631	\$525,898
Maintenance	Patrol grading program stay same due to more roads being resealed	km / yr	1200 km / yr	1200 km / yr
	Line marking		\$20,000 (current via contract)	\$39,000 (in 10 years due to growth)
	Kerb		\$20,000	\$39,000 (in 10 years due to growth)
	Footpath		\$15,000	\$29,000 (in 10 years due to growth)
	Patching thru contract		\$50,000	Increase
		Budget	\$725,376	\$769,501
Renewal	Resealing of township roads incl KWT works	km / yr	2.5 km / yr	10.36 km / yr (average pa)
	Re-sheeting of rural roads	km / yr	52 km / yr	52 km / yr

Lifecycle Activity	Purpose of Activity	Activity Measure	Current Performance*	Recommended Performance **
				(more investigation needed to establish optimum program – refer improvement plan)
	Footpaths – low renewals required	km / yr	0 km /yr (footpaths generally in good condition)	0.24 km /yr (a few footpaths in poor condition)
		Budget	\$3,812,557	\$3,960,403

Table 2.3.2: Technical Levels of Service – Stormwater, Bridges & Floodways

Lifecycle Activity	Purpose of Activity	Activity Measure	Current Performance*	Recommended Performance **
Acquisition				
	Upgrade of bridges for width or load	Grant funding (where available) is used to fund bridge upgrades	Ad hoc grant applications fund the bridge upgrade program	Ad hoc grant applications fund the bridge upgrade program
		Budget	\$287,750	\$287,750
Operation	N/A	N/A	N/A	N/A
		Budget	\$0	\$0
Maintenance	To ensure that assets meet their defined useful lives	Proactive maintenance on stormwater, bridges, and floodway's	Not all maintenance tasks are generated via a proactive program	Increase proportion of maintenance tasks being defined by a proactive program
		Budget	\$4,648	\$4,648
Renewal	Renewals defined via program	Extent of renewals defined by 4 year rolling program of works	Not all renewal tasks are generated via a defined medium-term program	Increase proportion of renewal tasks being defined by a medium-term program
		Budget	\$193,637	\$259,060

Note: * Current activities related to Planned Budget.

** Expected performance related to forecast lifecycle costs.

It is important to monitor the service levels regularly as circumstances can and do change. Current performance is based on existing resource provision and work efficiencies. It is acknowledged changing circumstances such as technology and customer priorities will change over time.

3.0 Future Demand

3.1 Demand Drivers

Drivers affecting demand include things such as population change, regulations, changes in demographics, seasonal factors, vehicle ownership rates, consumer preferences and expectations, technological changes, economic factors, agricultural practices, environmental awareness, etc.

3.2 Demand Forecasts

The present position and projections for demand drivers that may impact future service delivery and use of assets have been identified and documented.

3.3 Demand Impact & Demand Management Plan

The impact of demand drivers that may affect future service delivery and use of assets are shown in Table 3.3.

Demand for new services will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets to meet demand and demand management. Demand management practices can include non-asset solutions, insuring against risks and managing failures.

Opportunities identified to date for demand management are shown in Table 3.3. Further opportunities will be developed in future revisions of this AM Plan.

Table 3.3: Demand Management Plan

Demand driver	Current position	Projection	Impact on services	Demand Management Plan
Bridge upgrade to increase load limit and hence access	There are currently some bridges that have a load limit applied	Bridges will generally be upgraded to non-restricted load limit at next renewal, but no program has been developed to undertake this in isolation	Reduced access for freight and industry	Undertake a review of restricted access bridges and the impact on freight and industry.
Township roads upgrade	Upgrade of township roads from un-kerbed spray seal (with unsealed shoulders) to kerbed asphalt at next renewal	This practice is expected to continue pending a review into the renewal profile of the network against available funding	Less renewals undertaken (at a higher cost) across the network. Accordingly, a backlog of renewals develops with an associated increase in lifecycle costs.	Following the completion of this AMP and associated modelling review the provision of renewal funding and renewal service levels with a view to containing lifecycle costs and undertaking timely renewal with consideration of the status of the entire network.

Demand driver	Current position	Projection	Impact on services	Demand Management Plan
Upgrade and provision of new footpaths	Council has developed a 'Footpath Construction Policy' that sets a qualitative framework for new or upgraded footpath provision. The policy limits new / upgraded footpaths to 5% of infrastructure budget	Review of footpath framework due in March 21	Requirement for footpath upgrades unknown until review is undertaken	Develop footpath upgrade program in line with revised Policy
Upgrade from floodway to bridge	Ad hoc upgrade (using officer knowledge) which is driven by upgrade of rural roads from sheeted to sealed	Provision of all-weather access for all roads depending upon usage	Higher costs including initial upgrade cost The upgrades have not been included in this AMP	Undertake a review of floodways with a view for upgrade considering volume of traffic, risk, condition and road upgrade program
Rural road upgrade from sheeted to sealed	Driven and funded by available grants from other tiers of government for upgrades associated with tourism and freight by example	It is expected that this 'policy' will continue with Council's contribution to the total cost limited to the anticipated renewal cost of the existing sheeted road.	Potentially lower lifecycle costs of sealed road compared to unsealed road (specific to Light Regional Council) Higher service levels provided to residents and business owners	Continue to review the unsealed road network for upgrades in line with the current objectives
Rural road upgrade from formed to sheeted	Requests received for increased use (and all-weather access) of formed but not sheeted farm access roads and some roads that form a link within the current road network	Requests are expected to continue	Higher costs associated with maintaining and renewing an expanding sheeted road network	Fully investigate requests made for all weather access roads.

Demand driver	Current position	Projection	Impact on services	Demand Management Plan
Quality of sheeted roads	Low availability of good quality sheeting material	Expected to continue pending review of unsealed road network	High lifecycle costs including low life of sheeting material and high maintenance (patrol grading) costs. Poor service levels provided to road users	A review has currently been undertaken of the sheeting materials available. This review will need to be considered against the road network overall and the lifecycle costs of a sheeted road compared to an equivalent sealed road.
Stormwater – upgrade of minor system alongside upgrade from no kerb to kerb	Upgrade of township roads from stormwater swales to constructed kerb and gutter	Upgrades necessitate an associated upgrade to the minor (underground) stormwater network in many cases	Additional upgrade and lifecycle costs Higher service level provided to residents	Completely review costs associated with upgrades to stormwater network prior to committing to road upgrades
Potential flooding Stormwater – stormwater management plan, flooding from major system in townships	Council has developed stormwater management plans for townships that include recommended upgrades to the minor and major stormwater systems	The stormwater management plans need to be transitioned into costed and funded programs (these upgrade costs have not been included in this AMP)	Additional upgrades required	Cost upgrades and incorporate in AMP revision
Ownership of street lighting	No street lighting is owned by Council	Council will take on ownership of lighting infrastructure from new developments (Roseworthy)	Additional lifecycle costs but will not pay SLUOS & DUOS charges	Review full lifecycle costs of street lighting i.e., costs of ownership v costs of charges to authority who owns the asset.
Population increase	15,359 (2019)	15,902 (2021) 17,004 (2026) 18,161 (2031) 19,276 (2036)	Additional (township) assets predominantly through expected growth in 'Roseworthy'	Growth expectations and the resulting increase in operations and maintenance costs have been included in the development of this AMP

3.4 Asset Programs to meet Demand

The new assets required to meet demand may be acquired, donated or constructed. Additional assets are discussed in Section 4.3.

Acquiring new assets will commit the Council to ongoing operations, maintenance and renewal costs for the period that the service provided from the assets is required. These future costs are identified and considered in developing forecasts of future operations, maintenance and renewal costs for inclusion in the long-term financial plan (Refer to Section 4).

4.0 Lifecycle Management Plan

The lifecycle management plan details how the Council plans to manage and operate the assets at the agreed levels of service (Refer to Section 2) while managing life cycle costs.

The development of this plan has predominantly focussed on developing a sustainable capital renewal profile, accordingly, rates have been used that replicate Councils actual renewal costs in estimating the renewal requirements. It is apparent that there is a disparity between the rates used for valuation purposes and actual costs. It is proposed to address this disparity in future valuations.

4.1 Operations and Maintenance Plan

Operations include regular activities to provide services. Examples of typical operational activities include cleaning, street sweeping and asset inspection

Maintenance includes all actions necessary for retaining an asset as near as practicable to an appropriate service condition including regular ongoing day-to-day work necessary to keep assets operating. Examples of typical maintenance activities include pipe repairs, asphalt patching, and equipment repairs.

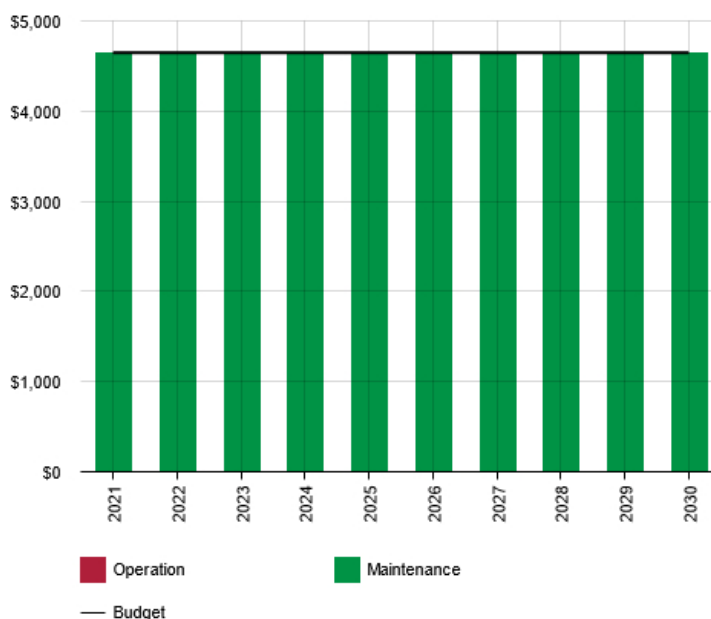
Summary of forecast operations and maintenance costs

Forecast operations and maintenance costs are expected to vary in relation to the total value of the asset stock. If additional assets are acquired, the future operations and maintenance costs are forecast to increase. If assets are disposed of the forecast operation and maintenance costs are expected to decrease. Figure 4.1 (series) shows the forecast operations and maintenance costs relative to the proposed operations and maintenance Planned Budget.

Figure 4.1.1: Operations and Maintenance Summary – Stormwater

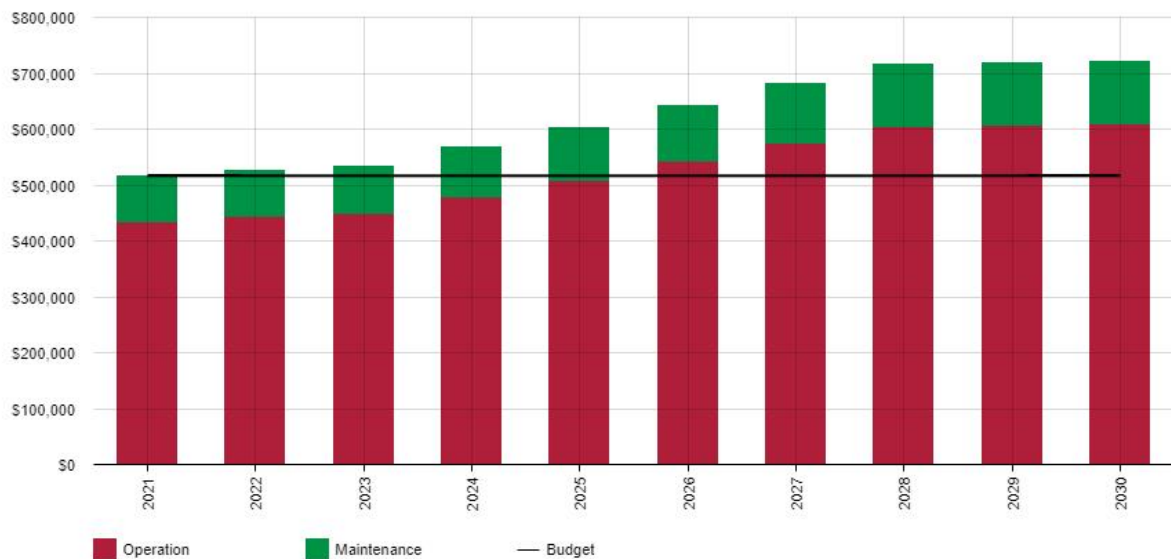
Council does not record operations and maintenance costs against stormwater assets.

Figure 4.1.2: Operations and Maintenance Summary – Bridges & Floodways



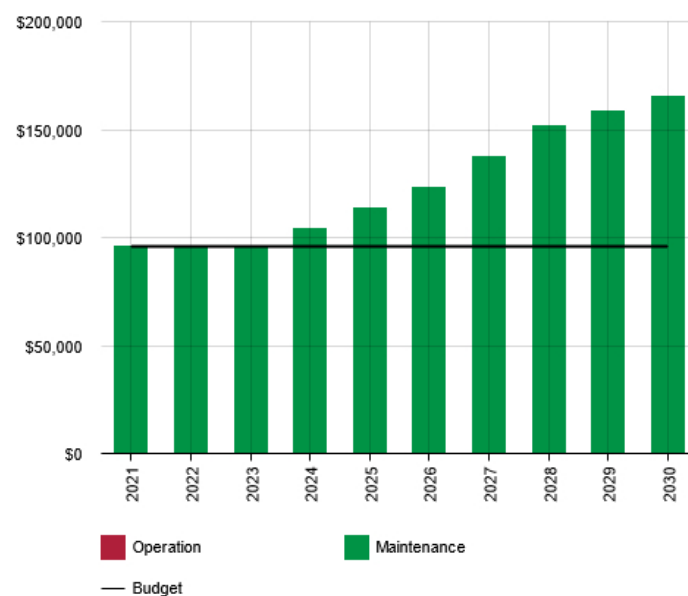
Council does not record operations costs against Bridge & Floodway assets.

Figure 4.1.3: Operations and Maintenance Summary – Transport



The increase in the forecast Transport operations and maintenance costs is due to increase in service levels for township roads (seal change / kerbing) together with predicted growth in the network through the Roseworthy development.

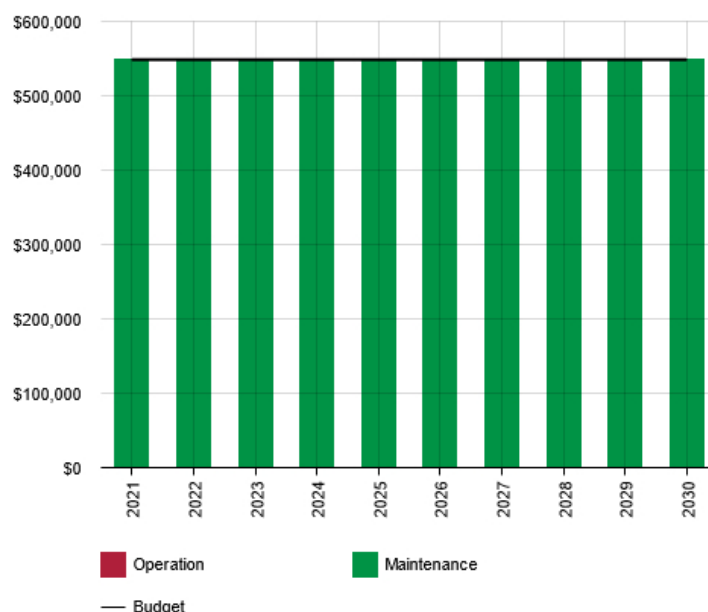
Figure 4.1.4: Operations and Maintenance Summary – Footpaths



Council does not record operations costs against Footpath assets.

The increase in the forecast Footpath maintenance costs is due to a proposed increase in the existing footpath together with predicted growth in the network through the Roseworthy development.

Figure 4.1.5: Operations and Maintenance Summary – Sheeted Roads



All figure values are shown in current day dollars.

Councils existing maintenance & operations costs as a percentage of the asset base is currently very low. It will be important for Council to review its operations and maintenance budget moving forward as the current infrastructure network grows.

4.2 Renewal Plan

Renewal is major capital work which does not significantly alter the original service provided by the asset, but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over and above restoring an asset to original service potential is considered to be an acquisition resulting in additional future operations and maintenance costs.

The development of this plan has predominantly focussed on developing a sustainable capital renewal profile for infrastructure assets. Councils' asset register in many cases has been developed for valuation purposes only with useful lives and componentisation in some cases preventing the use of data (directly) for renewal planning.

For the significant asset groups estimates for renewals in this AM Plan were calculated as follows:

Stormwater:

Councils' asset register has been used to define the renewal program for stormwater infrastructure.

Bridges & Floodways:

Councils bridge data was found to be unreliable for the purpose of capital renewal planning. Accordingly, a renewal allocation of \$250k pa has been allocated between 2022-2025.

Councils' asset register has been used to define the renewal program for stormwater infrastructure.

Proposed improvements: undertake the next bridge / floodway condition assessment bearing particular attention to capital renewal planning.

Seals (transport group):

The estimated remaining life of seals has been developed using a condition survey undertaken in 2018. The useful lives and unit rates in the asset register has been adjusted to more accurately reflect sustainable renewal planning. This has provided a draft program of renewals for 2020/21 onwards. In association with this the componentisation within the asset register was 'dissolved' to create a more realistic renewal profile.

Proposed improvements: undertake detailed project level inspections of all seals and hence develop a detailed rolling works program over the period of 5 years.

Kerbing (transport group):

It has been assumed that kerb renewal is undertaken on township roads in association with a reseal conducted on the same segment. It is estimated that on average 26% of the kerb will require renewal on each segment prior to reseal. The draft kerb renewal program has been prepared on this basis.

Proposed improvements: In association with the detailed project level inspection for seals undertake a survey of kerbing and estimate the length of kerbing that does not meet established service levels on a road segment by segment basis.

Pavements (transport group):

Councils' road network is aging and as such it is expected that road reconstructions will become more predominant over the 10 years of this plan. In a similar manner to road seals the estimated remaining life of seals has been developed using a condition survey undertaken in 2018 which has been adjusted for useful lives and unit rates. This has provided a draft program of renewals for 2020/21 onwards. In association with this the componentisation within the asset register was 'dissolved' to create a more realistic renewal profile.

Proposed improvements: in association with the detailed project level inspection proposed for seals estimate pavements requiring reconstruction using visual techniques which are to be verified using follow up structural testing.

Footpaths:

The estimated remaining life of seals has been developed using a condition survey undertaken in 2018 which has been adjusted for useful lives and unit rates that more accurately reflect Councils actual renewal costs and service level expectations. This has provided a draft program of renewals for 2020/21 onwards.

Proposed improvements: undertake detailed project level inspections of all seals and hence develop a detailed rolling works program over the period of 5 years.

Sheeted Roads:

A review of data associated with unsealed roads found unreliable results. For the purpose of developing a sustainable renewal funding target an annual figure of 2,100,000 was applied, calculated by assuming an average sheeting cost of \$40,000 /km and an assumed average useful life of 15 years.

It should be noted that traditionally some of these funds have been used for the conversion of sheeting roads to sealed roads with supplement grant funding. This plan has not undertaken a detailed review of this process for the purpose of developing an upgrade program outside of township roads.

Summary of future renewal costs

Forecast renewal costs are projected to increase over time if the asset stock increases. The forecast costs associated with renewals are shown relative to the proposed renewal budget in Figures 4.2 (series). A detailed summary of the forecast renewal costs is shown in Appendix D.

Figure 4.2.11: Forecast Renewal Costs – Stormwater

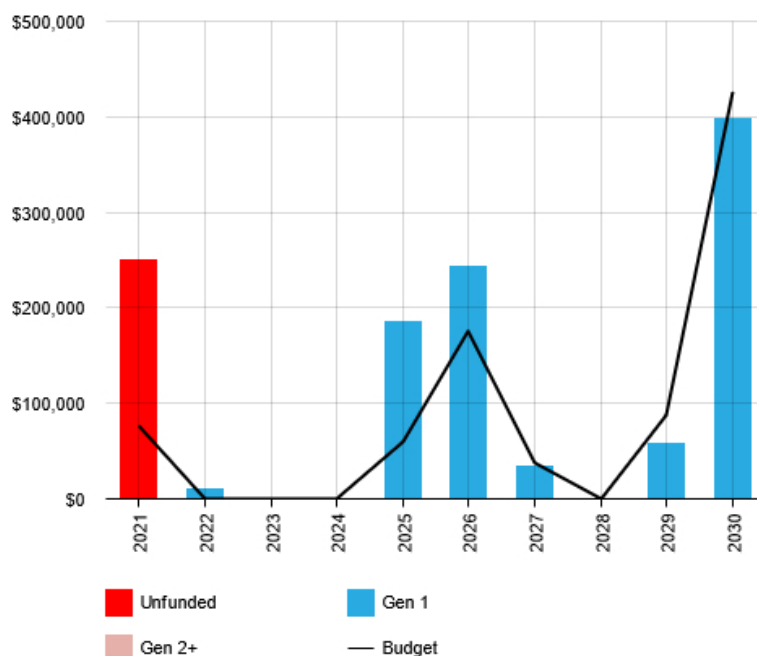


Figure 4.2.2: Forecast Renewal Costs – Bridges & Floodways

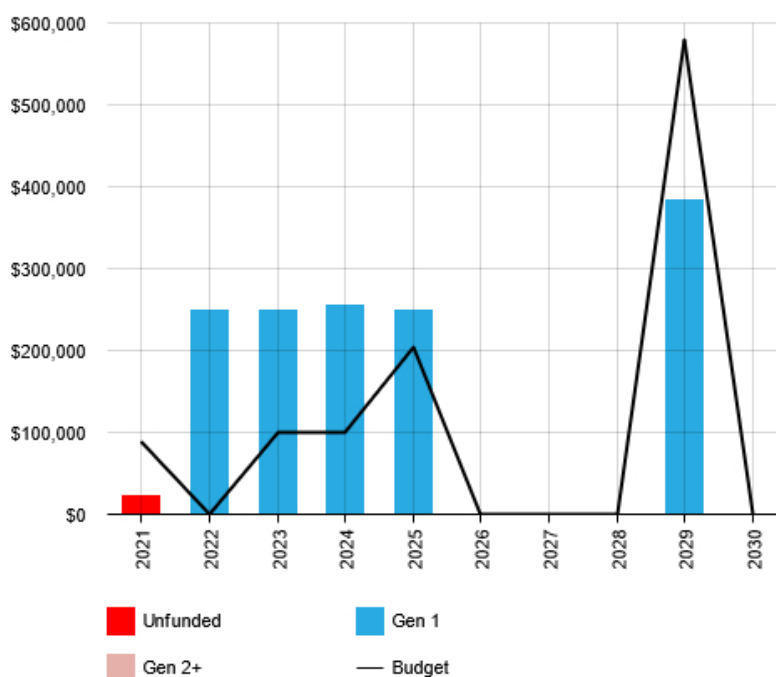


Figure 4.2.3: Forecast Renewal Costs – Transport

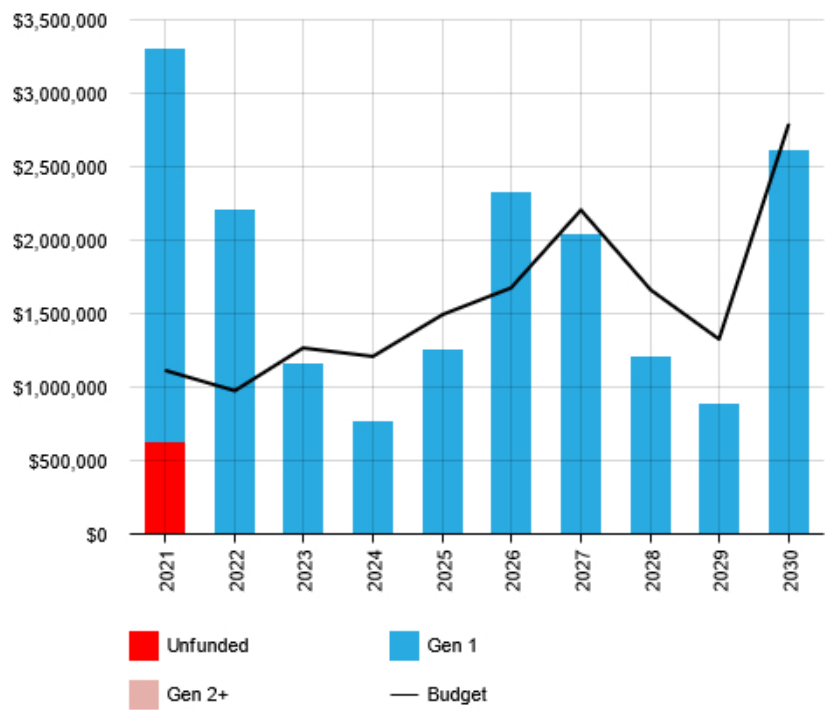


Figure 4.2.4: Forecast Renewal Costs – Footpaths

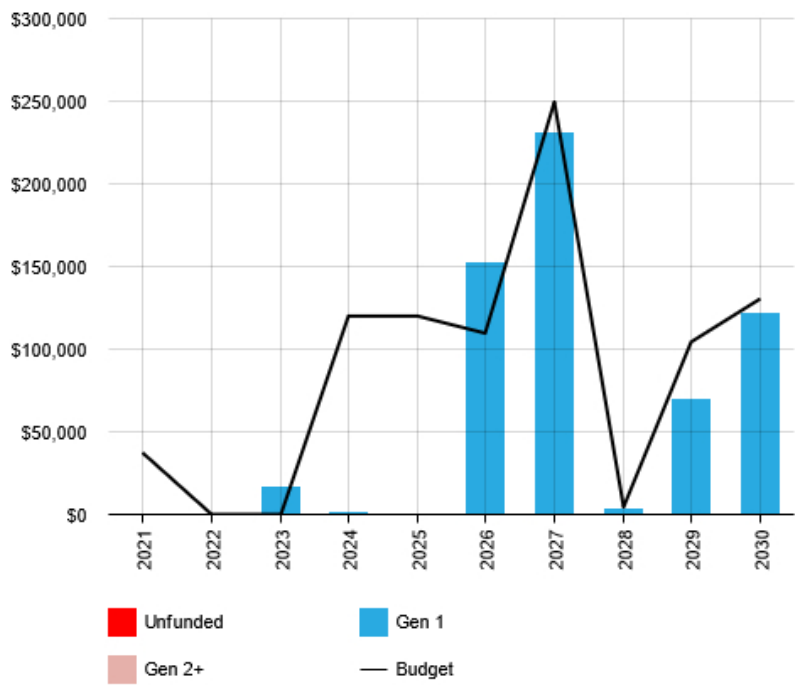
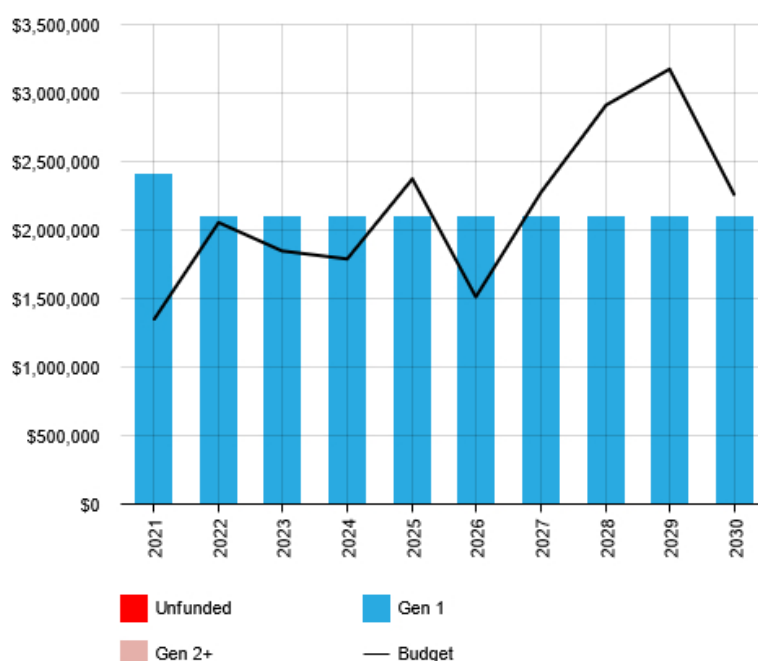


Figure 4.2.5: Forecast Renewal Costs – Sheeted Roads



All figure values are shown in current day dollars.

In consideration of the above graphs and in particular the difference between the budget and the forecast renewals the below points should be noted:

- Council has recently undertaken a review of its LTFP budget provisions for infrastructure capital expenditure which has included a substantial increase in expenditure.
- The additional expenditure has not yet been prioritised between the asset groups identified in this plan.

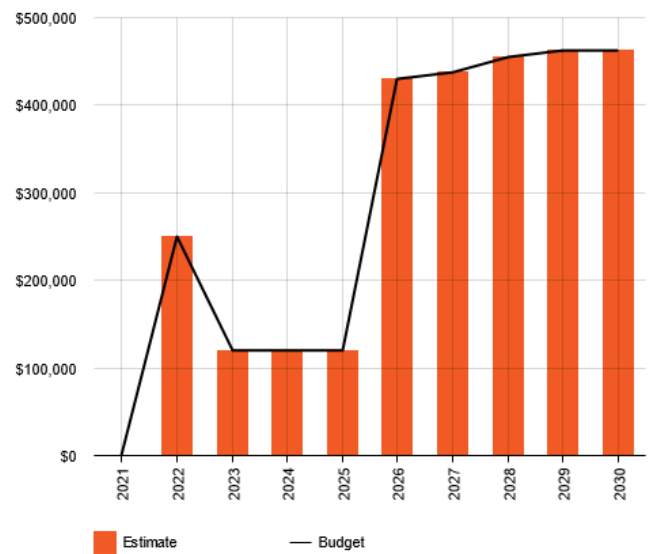
4.3 Acquisition Plan

Acquisition reflects are new assets that did not previously exist or works which will upgrade or improve an existing asset beyond its existing capacity. They may result from growth, demand, social or environmental needs. Assets may also be donated to the Council.

Summary of future asset acquisition costs

Forecast acquisition asset costs are summarised / summarized in Figures 4.3.1 – 4.3.5 and shown relative to the proposed acquisition budget.

Figure 4.3.1: Acquisition (Constructed) Summary - Stormwater



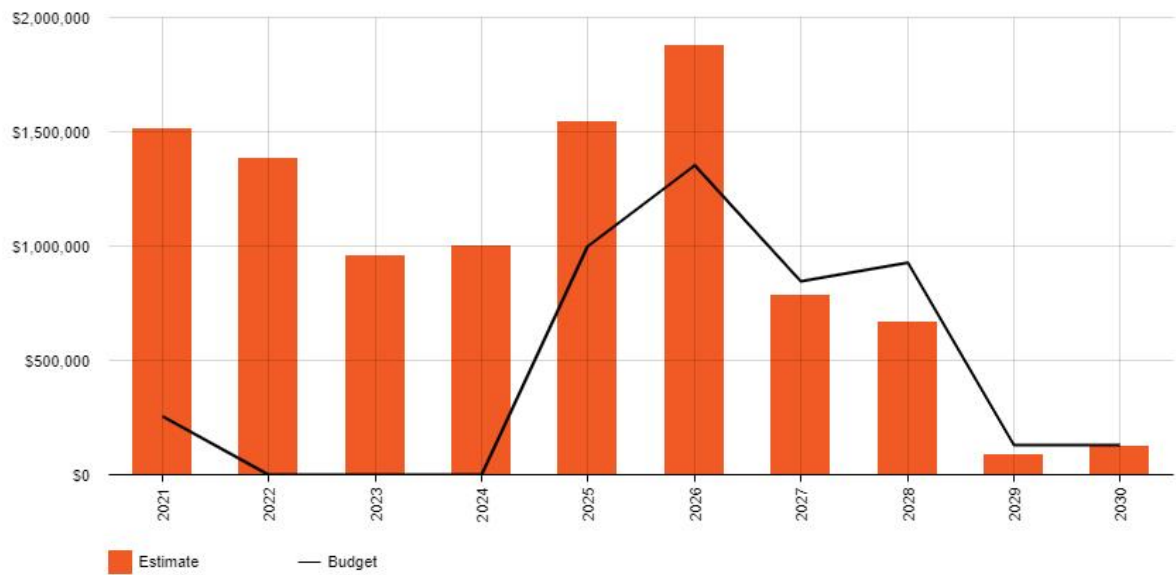
The detailed stormwater construction program is yet to be prepared.

Note in addition to this there is an estimated \$912,827 pa between 2023 – 2027 (inclusive) due to growth.

Figure 4.3.2: Acquisition (Constructed) Summary – Bridges & Floodways

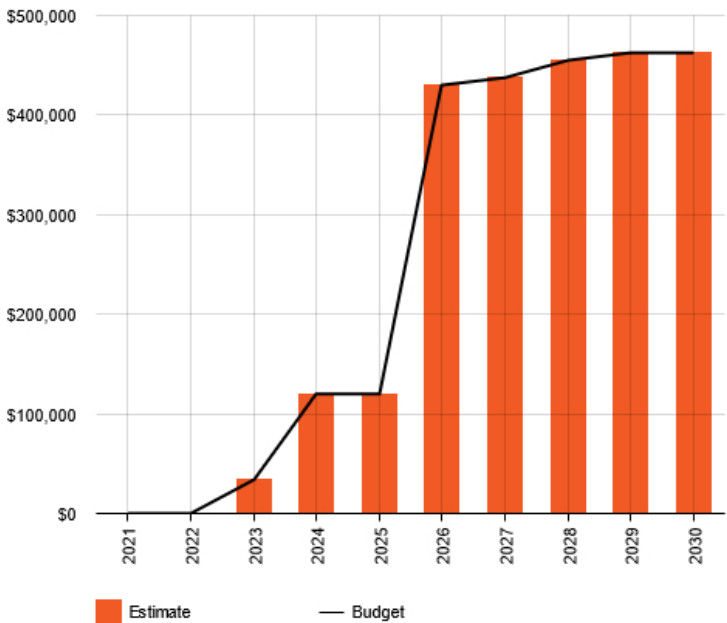
There are no proposed upgrades / new assets associated with Bridges & Floodways

Figure 4.3.3: Acquisition (Constructed) Summary – Transport



Acquisitions associated with Transport assets predominantly result from upgrades to township roads. Councils current service levels dictate that when township roads are resealed, they are upgraded from a spray seal surface with an unsealed shoulder and stormwater swale to an asphalt surface and full kerbing together and a sealed shoulder.

Figure 4.3.4: Acquisition (Constructed) Summary – Footpaths



The detailed footpath construction program is yet to be prepared.

Figure 4.3.5: Acquisition (Constructed) Summary – Sheeted Roads

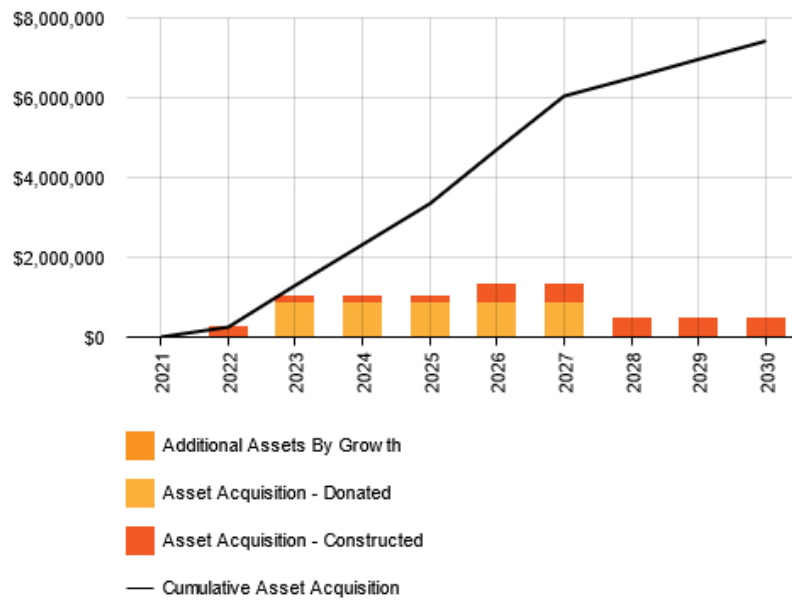
There are no proposed upgrades / new assets associated with Sheeted Roads

All figure values are shown in current day dollars.

When an Entity commits to new assets, they must be prepared to fund future operations, maintenance and renewal costs. They must also account for future depreciation when reviewing long term sustainability. When reviewing the long-term impacts of asset acquisition, it is useful to consider the cumulative value of the acquired assets being taken on by the Entity. The cumulative value of all acquisition work, including assets that are constructed and contributed shown in Figures 4.3.6 – 4.3.10.

The Asset Acquisition – Donated in Figures 4.3.6 – 4.3.10 reflect estimated donated assets associated with new urban subdivisions.

Figure 4.3.6: Acquisition Summary - Stormwater



The Asset Acquisition – Donated in the above graphs

Figure 4.3.7: Acquisition Summary – Bridges & Floodways

There are no proposed upgrades / new assets associated with Bridges & Floodways

Figure 4.3.8: Acquisition Summary – Transport

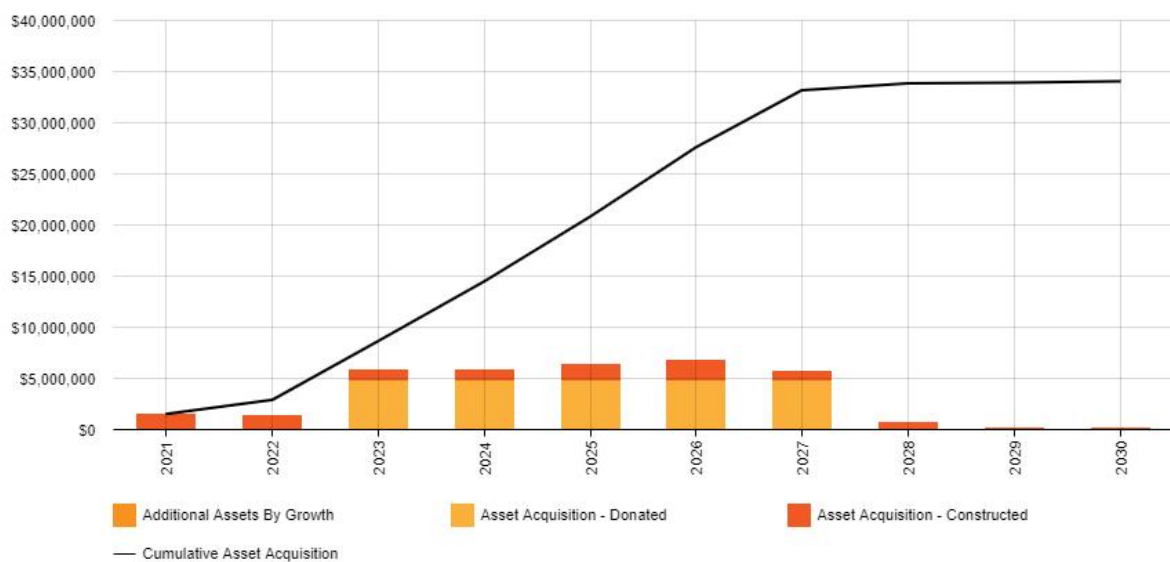


Figure 4.3.9: Acquisition Summary – Footpaths

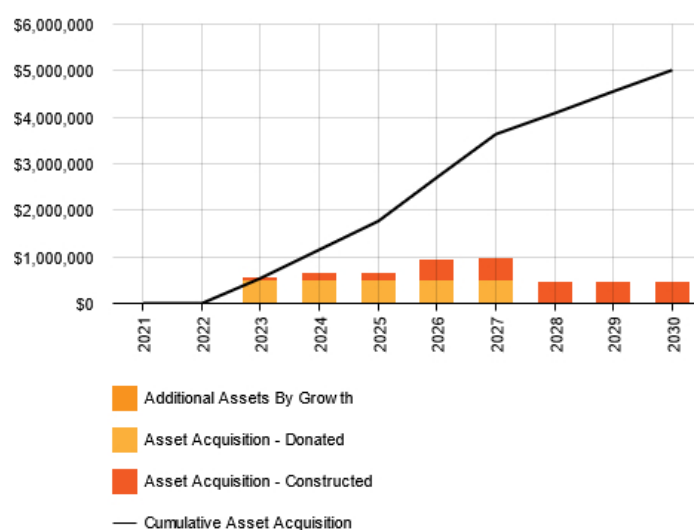


Figure 4.3.10: Acquisition Summary – Sheeted Roads

There are no proposed upgrades / new assets associated with Sheeted Roads

All figure values are shown in current dollars.

Expenditure on new assets and services in the capital works program will be accommodated in the long-term financial plan, but only to the extent that there is available funding.

The impact of new and upgraded assets either donated or constructed will require a significant adjustment to Council's operations and maintenance resources moving forward which should be the subject of further review.

4.4 Disposal Plan

Disposal includes any activity associated with the disposal of a decommissioned asset including sale, demolition or relocation. Assets identified for possible decommissioning and disposal are shown in Table 5.6. A summary of the disposal costs and estimated reductions in annual operations and maintenance of disposing of the assets are also outlined in Table 5.6. Any costs or revenue gained from asset disposals is included in the long-term financial plan.

4.5 Summary of Asset Forecast Costs

The financial projections from this asset plan are shown in Figures 4.5.1 – 4.5.5. These projections include forecast costs for acquisition, operation, maintenance, renewal, and disposal. These forecast costs are shown relative to the proposed budget. The projections do not include acquisitions through 'donated' assets.

The bars in the graphs represent the forecast costs needed to minimise the life cycle costs associated with the service provision. The proposed budget line indicates the estimate of available funding. The gap between the forecast work and the proposed budget is the basis of the discussion on achieving balance between costs, levels of service and risk to achieve the best value outcome.

Figure 4.5.1: Lifecycle Summary - Stormwater

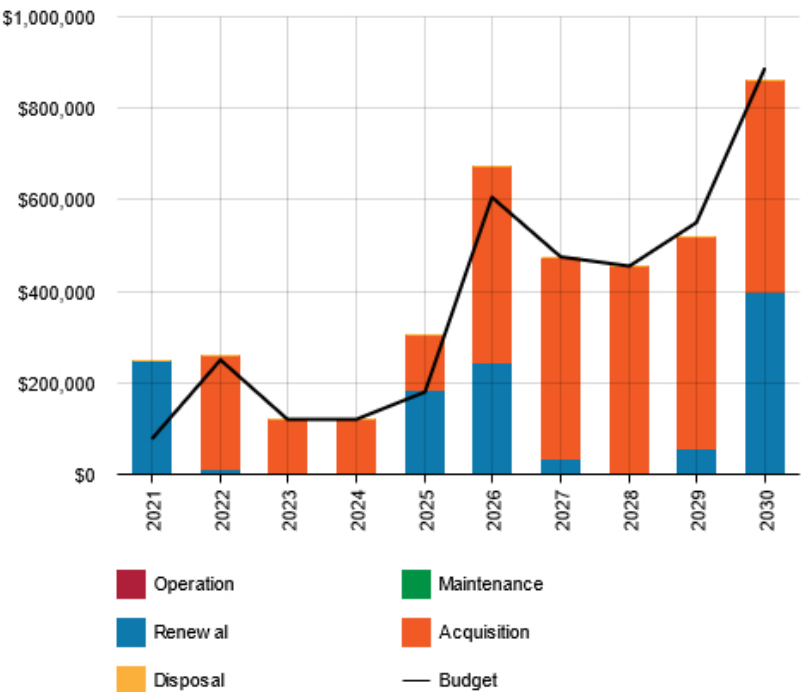


Figure 4.5.2: Lifecycle Summary – Bridges & Floodways

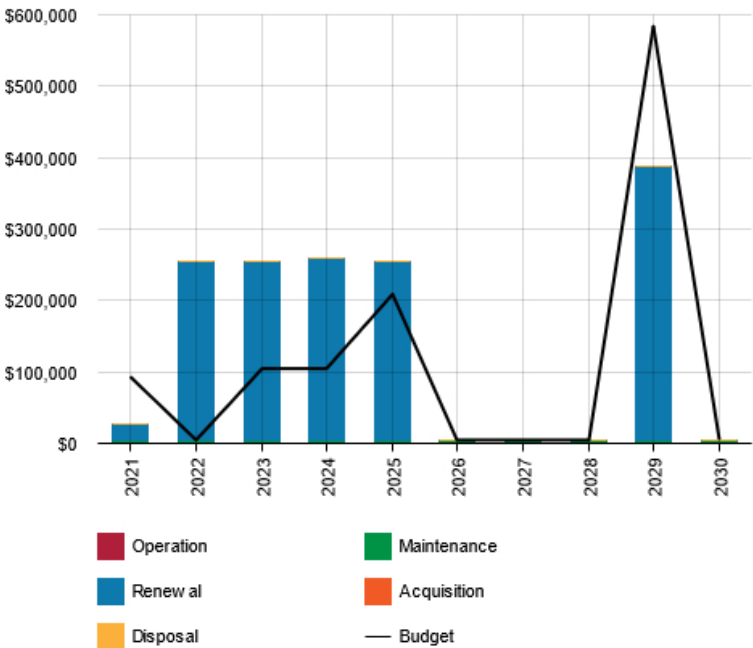


Figure 4.5.3: Lifecycle Summary – Transport

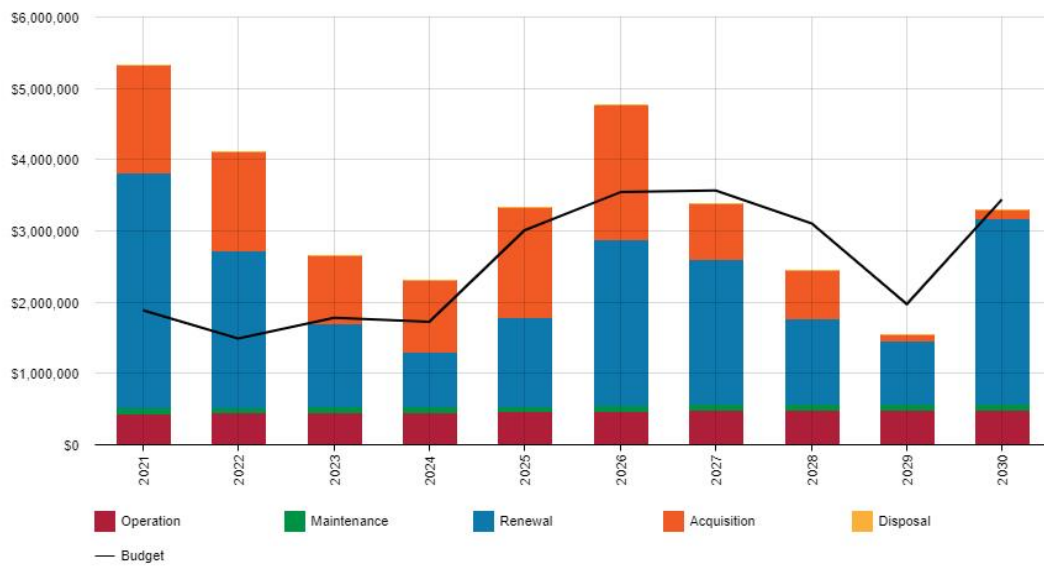


Figure 4.5.4: Lifecycle Summary – Footpaths

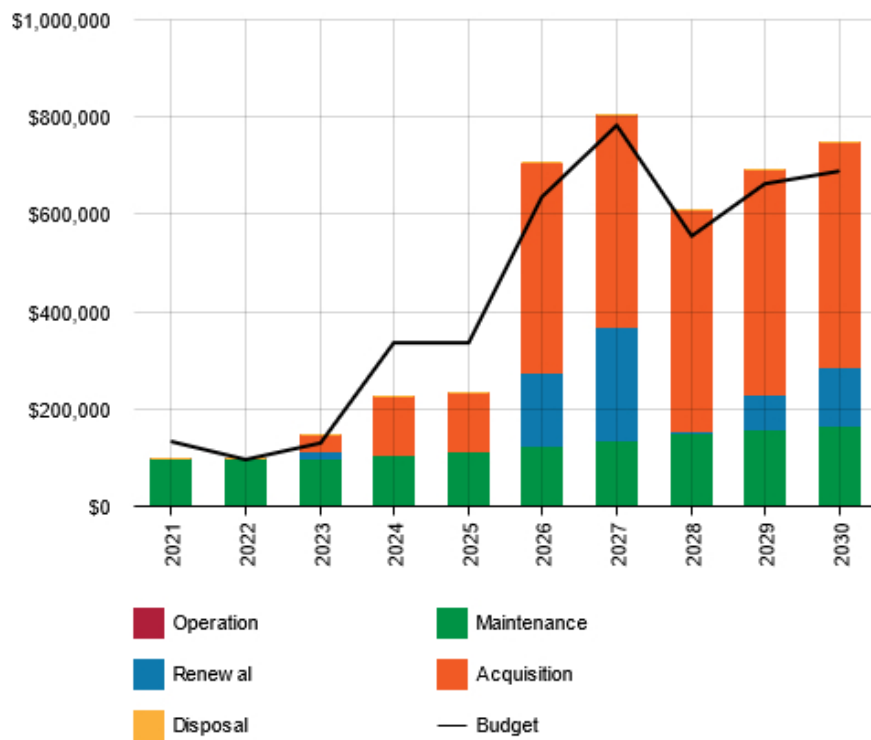
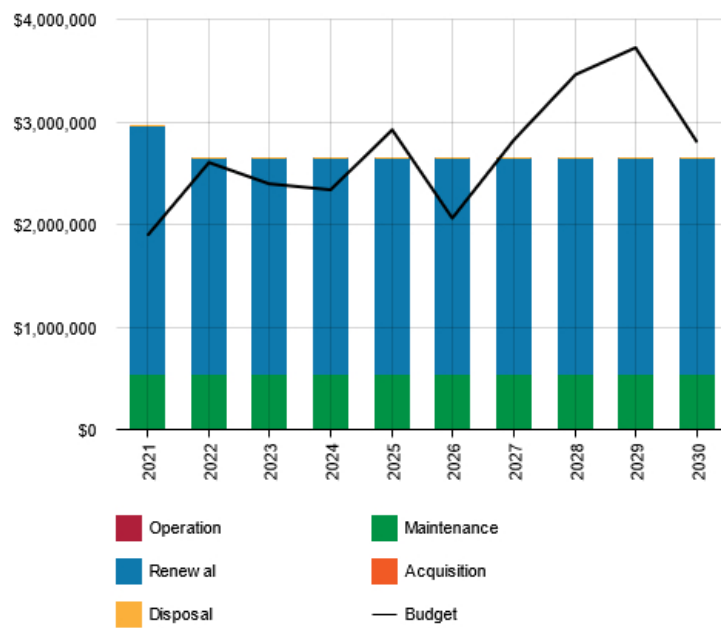


Figure 4.5.5: Lifecycle Summary – Sheeted Roads



All figure values are shown in current day dollars.

As previously noted, the funds available via the amended LTFP still require optimisation between the asset groups. It is suggested that it would be appropriate to undertake this task following 5 year project level costings being developed across the seals, pavements, kerbing, footpaths and bridges network.

5.0 Risk Management Planning

The purpose of infrastructure risk management is to document the findings and recommendations resulting from the periodic identification, assessment and treatment of risks associated with providing services from infrastructure, using the fundamentals of International Standard ISO 31000:2018 Risk management – Principles and guidelines.

Risk Management is defined in ISO 31000:2018 as: ‘coordinated activities to direct and control with regard to risk’².

An assessment of risks³ associated with service delivery will identify risks that will result in loss or reduction in service, personal injury, environmental impacts, a ‘financial shock’, reputational impacts, or other consequences. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, and the consequences should the event occur. The risk assessment should also include the development of a risk rating, evaluation of the risks and development of a risk treatment plan for those risks that are deemed to be non-acceptable.

5.1 Critical Assets

Critical assets are defined as those which have a high consequence of failure causing significant loss or reduction of service. Critical assets have been identified and along with their typical failure mode, and the impact on service delivery, are summarised in Table 6.1. Failure modes may include physical failure, collapse or essential service interruption.

Table 5.1 Critical Assets

Critical Asset(s)	Failure Mode	Impact
Bridges - span bridges & culverts	Collapse	Access denied and higher lifecycle costs
Bridges -floodways	Flooding	Isolation of residents
Bridges - pedestrian	Pedestrian hazards	Injury to public
Footpaths	Excessive trip hazards	Injury potential
Roads - unsealed	Poor condition	Vehicle accidents
Roads sealed	Increase in lifecycle costs through underfunding renewal program	High life cycle costs
	Increase in next renewal costs due to treatment selection	
Stormwater	Flooding	Resident access prevented. Residential property flooding

² ISO 31000:2009, p 2

³ REPLACE with Reference to the Corporate or Infrastructure Risk Management Plan as the footnote

By identifying critical assets and failure modes an organisation can ensure that investigative activities, condition inspection programs, maintenance and capital expenditure plans are targeted at critical assets.

5.2 Risk Assessment

The risk management process used is shown in Figure 6.2 below.

It is an analysis and problem-solving technique designed to provide a logical process for the selection of treatment plans and management actions to protect the community against unacceptable risks.

The process is based on the fundamentals of International Standard ISO 31000:2018.

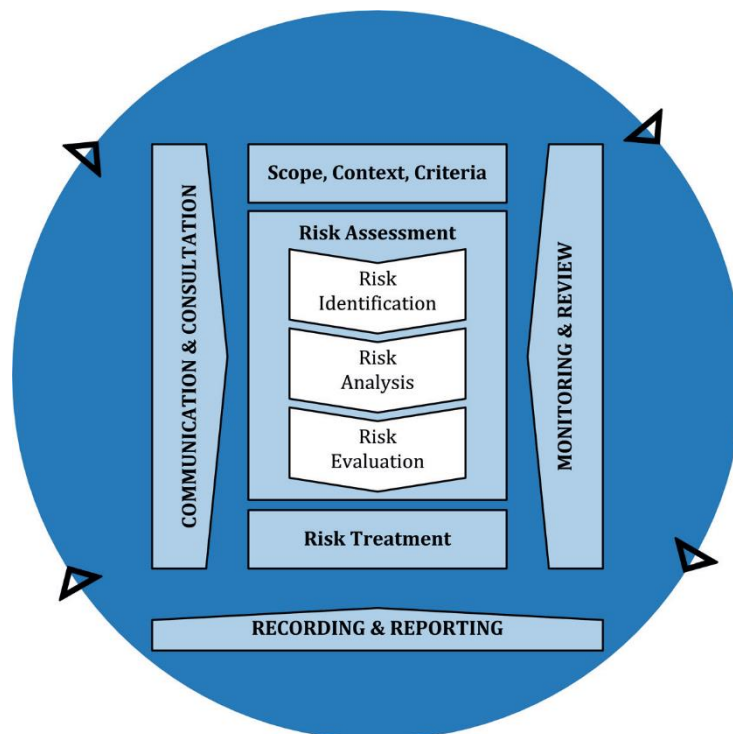


Fig 5.2 Risk Management Process – Abridged
Source: ISO 31000:2018, Figure 1, p9

The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, development of a risk rating, evaluation of the risk and development of a risk treatment plan for non-acceptable risks.

An assessment of risks⁴ associated with service delivery will identify risks that will result in loss or reduction in service, personal injury, environmental impacts, a 'financial shock', reputational impacts, or other consequences.

Critical risks are those assessed with 'Very High' (requiring immediate corrective action) and 'High' (requiring corrective action) risk ratings identified in the Infrastructure Risk Management Plan. The residual risk and treatment costs of implementing the selected treatment plan is shown in Table 5.2.

⁴ REPLACE with Reference to the Corporate or Infrastructure Risk Management Plan as the footnote

Table 5.2: Risks and Treatment Plans

Service or Asset at Risk	What can Happen	Risk Rating (VH, H)	Risk Treatment Plan	Residual Risk *	Treatment Costs
Footpaths	Pedestrian hazards through use of unsealed footpaths.	H	Investigate provision of new footpaths across the network & develop priority program for Council approval including full lifecycle costs.	L	\$20,000
Bridges	Potential for unbudgeted significant renewal or replacement costs	H	Undertake bridge inspection. Develop costed renewal and upgrade program	L	\$30,000
Unsealed roads	Accidents on unsealed roads increasing over time due to poor sheeting materials and dry grading practices	H	Undertake investigation into lifecycle costs of sealed roads vs unsealed roads and develop program for sealing roads across the network based on road hierarchy. Investigate quality of sheeting material quality including use of alternate materials and blending.	L	\$30,000 \$20,000

Service or Asset at Risk	What can Happen	Risk Rating (VH, H)	Risk Treatment Plan	Residual Risk *	Treatment Costs
Roads Sealed	Increase in life cycle costs (premature asset failure) due to project level planning not identifying pavement renewal and deep lift patching requirements.	H	Undertake development of a 5-year project level rolling works program, (incorporating kerb replacement) derived from a detailed inspection of the township road network	L	\$40,000

Note * The residual risk is the risk remaining after the selected risk treatment plan is implemented.

5.3 Service and Risk Trade-Offs

The decisions made in adopting this AM Plan are based on the objective to achieve the optimum benefits from the available resources.

5.3.1 What we cannot do

There are some operations and maintenance activities and capital projects that are unable to be undertaken within the next 10 years. These include:

- Upgrade of all unsealed footpaths to sealed.
- Upgrade of all floodway's to culverts
- Sealing of all 'major' unsealed roads.
- Upgrades to township roads in the form of provision of kerbing and change in seal type.
- Full funding of the renewal program
- Fully funded pavement renewal program for township roads based on project level costing.

5.3.2 Service trade-off

If there is forecast work (operations, maintenance, renewal, acquisition or disposal) that cannot be undertaken due to available resources, then this will result in service consequences for users. These service consequences include:

- Service levels not enhanced through provision of new footpaths.
- Resident access reduced at times of high-water levels in watercourses.
- Lower services levels and potentially higher lifecycle costs associated with unsealed 'major roads' associated service consequence]
- Existing (low) service levels maintained on a road by road basis but there will be disparity with higher service levels offered within the same township and new developments
- Service levels will reduce over time since the renewal program is not adequately resourced.

- Low life of renewal treatment and rework required through patching on roads

5.3.3 Risk trade-off

The operations and maintenance activities and capital projects that cannot be undertaken may sustain or create risk consequences. These risk consequences include:

- Exposure to injury claims through pedestrian using unsealed surfaces that change condition over time.
- Potential for higher risk exposure due to reduced emergency access when watercourses are flooded.
- Potential for increased accidents on unsealed roads with high traffic volumes.
- Slightly higher risk exposure on un-kerbed roads with swales.
- High risk exposure due to increased lifecycle costs through not adequately funding the renewal program.
- Potential high recurring costs in the medium term through rework of renewals already undertaken.

These actions and expenditures are considered and included in the forecast costs, and where developed, the Risk Management Plan.

6.0 Financial Summary

This section contains the financial requirements resulting from the information presented in the previous sections of this AM Plan. The financial projections will be improved as the discussion on desired levels of service and asset performance matures.

6.1 Financial Sustainability and Projections

6.1.1 Sustainability of service delivery

There are two key indicators of sustainable service delivery that are considered in the AM Plan for this service area. The two indicators are the:

- asset renewal funding ratio (proposed renewal budget for the next 10 years / forecast renewal costs for next 10 years), and
- medium term forecast costs/proposed budget (over 10 years of the planning period).

Asset Renewal Funding Ratio

Asset Renewal Funding Ratio⁵ 94.95%

The Asset Renewal Funding Ratio is an important indicator and illustrates that over the next 10 years we expect to have 94.95 % of the funds required for the optimal renewal of assets.

The forecast renewal work along with the proposed renewal budget, is illustrated in Appendix D.

Capital Funding Ratio

The asset renewal funding ratio only covers like for like renewal funding. As previously discussed for Township Roads the renewals are directly linked to upgrades associated with a change in seal type, provision of kerbing and sealing unsealed shoulders. It is more appropriate to consider a Capital Funding Ratio which compares total capital forecast (new / renew) to budget provisions.

Capital Renewal Funding Ratio: 78%

This funding ratio represents a total funding shortfall of \$7.3m over 10 years or an annual shortfall of \$727,000.

Medium term – 10 year financial planning period

This AM Plan identifies the forecast operations, maintenance and renewal costs required to provide an agreed level of service to the community over a 10 year period. This provides input into 10 year financial and funding plans aimed at providing the required services in a sustainable manner.

This forecast work can be compared to the proposed budget over the first 10 years of the planning period to identify any funding shortfall.

The forecast operations, maintenance and renewal costs over the 10 year planning period is \$5,519,510 on average per year.

The proposed (budget) operations, maintenance and renewal funding is \$5,171,849 on average per year giving a 10 year funding shortfall or funding excess of \$-347,661 per year. This indicates that

⁵ AIFMM, 2015, Version 1.0, Financial Sustainability Indicator 3, Sec 2.6, p 9.

94% of the forecast costs needed to provide the services documented in this Asset Management Plan are accommodated in the proposed budget. This excludes acquired assets.

Providing sustainable services from infrastructure requires the management of service levels, risks, forecast outlays and financing to achieve a financial indicator of approximately 1.0 for the first years of the AM Plan and ideally over the 10 year life of the Long-Term Financial Plan.

6.1.2 Forecast Costs (outlays) for the long-term financial plan

Tables 6.1 (series) shows the forecast costs (outlays) required for consideration in the 10 year long-term financial plan.

Providing services in a financially sustainable manner requires a balance between the forecast outlays required to deliver the agreed service levels with the planned budget allocations in the long-term financial plan.

A gap between the forecast outlays and the amounts allocated in the financial plan indicates further work is required on reviewing service levels in the AM Plan (including possibly revising the long-term financial plan).

We will manage the 'gap' by developing this AM Plan to provide guidance on future service levels and resources required to provide these services in consultation with the community.

Forecast costs are shown in 2020/21 dollar values.

Table 6.1.1: Forecast Costs (Outlays) for the Long-Term Financial Plan – Stormwater

Year	Acquisition	Operation	Maintenance	Renewal	Disposal
2021	0	0	0	249,186	0
2022	250,000	0	0	10,062	0
2023	120,000	0	0	0	0
2024	120,000	0	0	0	0
2025	120,000	0	0	185,356	0
2026	430,000	0	0	243,814	0
2027	437,500	0	0	34,840	0
2028	455,000	0	0	0	0
2029	462,500	0	0	57,956	0
2030	462,500	0	0	397,694	0

Table 6.1.2: Forecast Costs (Outlays) for the Long-Term Financial Plan – Bridges & Floodways

Year	Acquisition	Operation	Maintenance	Renewal	Disposal
2021	0	0	4,648	22,941	0
2022	0	0	4,648	250,000	0
2023	0	0	4,648	250,000	0
2024	0	0	4,648	255,378	0
2025	0	0	4,648	250,000	0
2026	0	0	4,648	0	0
2027	0	0	4,648	0	0
2028	0	0	4,648	0	0
2029	0	0	4,648	383,373	0
2030	0	0	4,648	0	0

Table 6.1.3: Forecast Costs (Outlays) for the Long-Term Financial Plan – Transport

Year	Acquisition	Operation	Maintenance	Renewal	Disposal
2021	1,514,321	435,631	80,894	3,292,092	0
2022	1,380,666	443,354	82,257	2,196,918	0
2023	954,621	450,395	83,499	1,157,902	0
2024	1,000,346	479,876	88,702	763,745	0
2025	1,540,871	509,589	93,945	1,244,601	0
2026	1,879,607	542,059	99,675	2,326,667	0
2027	781,126	576,257	105,710	2,035,732	0
2028	668,631	604,852	110,757	1,197,869	0
2029	86,074	608,262	111,358	877,504	0
2030	121,181	608,701	111,436	2,606,705	0

Table 6.1.4: Forecast Costs (Outlays) for the Long-Term Financial Plan – Footpaths

Year	Acquisition	Operation	Maintenance	Renewal	Disposal
2021	0	0	95,889	0	0
2022	0	0	95,889	0	0
2023	34,000	0	95,889	15,894	0
2024	120,000	0	104,038	1,452	0
2025	120,000	0	113,503	0	0
2026	430,000	0	122,968	152,299	0
2027	437,500	0	137,176	230,356	0
2028	455,000	0	151,499	3,241	0
2029	462,500	0	158,460	69,015	0
2030	462,500	0	165,536	121,709	0

Table 6.1.5: Forecast Costs (Outlays) for the Long-Term Financial Plan – Sheeted Roads

Year	Acquisition	Operation	Maintenance	Renewal	Disposal
2021	0	0	548,593	2,410,330	0
2022	0	0	548,593	2,100,000	0
2023	0	0	548,593	2,100,000	0
2024	0	0	548,593	2,100,000	0
2025	0	0	548,593	2,100,000	0
2026	0	0	548,593	2,100,000	0
2027	0	0	548,593	2,100,000	0
2028	0	0	548,593	2,100,000	0
2029	0	0	548,593	2,100,000	0
2030	0	0	548,593	2,100,000	0

6.2 Funding Strategy

The proposed funding for assets is outlined in the Entity's budget and Long-Term financial plan.

The financial strategy of the entity determines how funding will be provided, whereas the AM Plan communicates how and when this will be spent, along with the service and risk consequences of various service alternatives.

6.3 Forecast Reliability and Confidence

The forecast costs, proposed budgets, and valuation projections in this AM Plan are based on the best available data. For effective asset and financial management, it is critical that the information is current and accurate. Data confidence is classified on a A - E level scale⁶ in accordance with Table 6.3.1.

Table 6.3.1: Data Confidence Grading System

Confidence Grade	Description
A. Very High	Data based on sound records, procedures, investigations and analysis, documented properly and agreed as the best method of assessment. Dataset is complete and estimated to be accurate $\pm 2\%$
B. High	Data based on sound records, procedures, investigations and analysis, documented properly but has minor shortcomings, for example some of the data is old, some documentation is missing and/or reliance is placed on unconfirmed reports or some extrapolation. Dataset is complete and estimated to be accurate $\pm 10\%$
C. Medium	Data based on sound records, procedures, investigations and analysis which is incomplete or unsupported, or extrapolated from a limited sample for which grade A or B data are available. Dataset is substantially complete but up to 50% is extrapolated data and accuracy estimated $\pm 25\%$
D. Low	Data is based on unconfirmed verbal reports and/or cursory inspections and analysis. Dataset may not be fully complete, and most data is estimated or extrapolated. Accuracy $\pm 40\%$
E. Very Low	None or very little data held.

The estimated confidence level for and reliability of data used in this AM Plan is shown in Table 7.5.2.

⁶ IPWEA, 2015, IIMM, Table 2.4.6, p 2 | 71.

Table 7.5.2: Data Confidence Assessment for Data used in AM Plan

Data	Confidence Assessment	Comment
Demand drivers	B	Future demand in this AMP has been considered mostly from the point of view of a change in service levels i.e. a change in the levels of service delivered by Township Roads and associated significant additional costs
Growth projections	B	Growth modelling has been conducted associated with the 'Roseworthy' development.
Acquisition forecast	C	Refer to 'Demand Drivers' above. Additional investigation needs to be conducted to quantify the costs associated with the transition from unsealed to sealed rural roads.
Operation forecast	D	Existing expenditure has been used as the basis for forecast expenditure without any further modelling associated with whether existing resources are adequate.
Maintenance forecast	D	Existing expenditure has been used as the basis for forecast expenditure without any further modelling associated with whether existing resources are adequate.
Renewal forecast - Asset values	B	Unit rates have generally been changed from what is in the valuation register to reflect actual renewal costs more accurately.
- Asset useful lives	B	Useful lives have generally been changed from what is in the valuation register to more accurately reflect actual useful lives based on least lifecycle costing techniques.
- Condition modelling	C	Further work required to develop actual project level program of works
Disposal forecast	B	No disposals are forecast

The estimated confidence level for and reliability of data used in this AM Plan is considered to be **C**.

7.0 Plan Improvement & Monitoring

7.1 Improvement Plan

It is important that an entity recognise areas of their AM Plan and planning process that require future improvements to ensure effective asset management and informed decision making. The improvement plan generated from this AM Plan is shown in Table 7.1.

Table 7.1: Improvement Plan

Task	Task	Responsibility	Resources Required	Timeline
1	Investigate provision of new footpaths across the network & develop priority program for Council approval including full lifecycle costs.	General Mgr., Infrastructure & Environment	Internal	2022/23
2	Undertake bridge inspection. Develop costed renewal and upgrade program	General Mgr., Infrastructure & Environment	\$30,000	2022/23
3	Undertake investigation into lifecycle costs of sealed roads vs unsealed roads and develop program for sealing roads across the network based on road hierarchy.	General Mgr., Infrastructure & Environment	Internal	2021/22
4	Investigate quality of sheeting material quality including use of alternate materials and blending.	General Mgr., Infrastructure & Environment	\$20,000	2022/23
5	Undertake development of a 5-year project level rolling works program, (incorporating kerb replacement) derived from a detailed inspection of the township road network and condition survey	General Mgr., Infrastructure & Environment	\$70,000	2022/23
6	Undertake a review of restricted access bridges and the impact on freight and industry.	General Mgr., Infrastructure & Environment	\$10,000	2022/23
7	Following the completion of this AMP and associated modelling review the provision of renewal funding and renewal service levels with a view to containing lifecycle costs and undertaking timely renewal with consideration of the status of the entire network.	General Mgr., Infrastructure & Environment	Internal	2022/23
8	Develop footpath upgrade program in line with revised Policy	General Mgr., Infrastructure & Environment	\$15,000	2022/23
9	Undertake a review of floodways with a view for upgrade considering volume of traffic, risk, condition and road upgrade program	General Mgr., Infrastructure & Environment	Internal	2022/23

Task	Task	Responsibility	Resources Required	Timeline
10	Upgrade from sheeted to sealed; Continue to review the unsealed road network for upgrades in line with the current objectives	General Mgr., Infrastructure & Environment	Internal	Ongoing
11	Fully investigate requests made for all weather access roads.	General Mgr., Infrastructure & Environment	Internal	Ongoing
12	Low availability of good quality sheeting material; A review has currently been undertaken of the sheeting materials available. This review will need to be considered against the road network overall and the lifecycle costs of a sheeted road compared to an equivalent sealed road.	General Mgr., Infrastructure & Environment	Internal	2022/23
13	Upgrades necessitate an associated upgrade to the minor (underground) stormwater network in many cases; Completely review costs associated with upgrades to stormwater network prior to committing to road upgrades	General Mgr., Infrastructure & Environment	Internal	Ongoing
14	The stormwater management plans need to be transitioned into costed and funded programs (these upgrade costs have not been included in this AMP); Cost upgrades and incorporate in AMP revision	General Mgr., Infrastructure & Environment	Internal	2022/23
15	Review full lifecycle costs of street lighting i.e., costs of ownership v costs of charges to authority who owns the asset.	General Mgr., Infrastructure & Environment	Internal	2022/23
16	Develop customer response plan as part of new system development	General Mgr., Infrastructure & Environment	Internal	2022/23
17	Develop LTFP at the infrastructure level for operations, maintenance, renewal and upgrade	General Mgr., Infrastructure & Environment	Internal	2022/23
18	Review of unit rates and valuation methodology	General Mgr., Infrastructure & Environment	\$20,000	2022/23

7.2 Monitoring and Review Procedures

This AM Plan will be reviewed during the annual budget planning process and revised to show any material changes in service levels, risks, forecast costs and proposed budgets as a result of budget decisions.

The AM Plan will be reviewed and updated annually to ensure it represents the current service level, asset values, forecast operations, maintenance, renewals, acquisition and asset disposal costs and planned budgets. These forecast costs and proposed budget are incorporated into the Long-Term Financial Plan or will be incorporated into the Long-Term Financial Plan once completed.

The AM Plan has a maximum life of 4 years and is due for complete revision and updating within 2 years of Council election.

8.0 APPENDICES

Appendix A Acquisition Forecast

Table A1 - Acquisition Forecast Summary

Year	Constructed	Donated	Growth
2021	1,514,321	0	0
2022	1,630,666	0	0
2023	1,108,621	6,237,257	0
2024	1,240,346	6,237,257	0
2025	1,780,871	6,237,257	0
2026	2,739,607	6,237,257	0
2027	1,656,126	6,237,257	0
2028	1,578,631	0	0
2029	1,011,074	0	0
2030	1,046,181	0	0

Appendix B Operation Forecast

Table B1 - Operation Forecast Summary

Year	Operation Forecast	Additional Operation Forecast	Total Operation Forecast
2021	435,631	7,723	435,631
2022	443,354	7,041	443,354
2023	450,395	29,480	450,395
2024	479,876	29,713	479,876
2025	509,589	32,470	509,589
2026	542,059	34,198	542,059
2027	576,257	28,595	576,257
2028	604,852	3,410	604,852
2029	608,262	439	608,262
2030	608,701	439	608,701

Appendix C Maintenance Forecast

Table C1 - Maintenance Forecast Summary

Year	Maintenance Forecast	Additional Maintenance Forecast	Total Maintenance Forecast
2021	730,024	1,363	730,024
2022	731,387	1,243	731,387
2023	732,630	13,352	732,630
2024	745,981	14,708	745,981
2025	760,689	15,195	760,689
2026	775,884	20,243	775,884
2027	796,127	19,369	796,127
2028	815,496	7,563	815,496
2029	823,059	7,154	823,059
2030	830,213	7,154	830,213

Appendix D Renewal Forecast Summary

Table D1 - Renewal Forecast Summary

Year	Renewal Forecast	Renewal Budget
2021	5,974,549	2,658,338
2022	4,556,980	3,029,918
2023	3,523,796	3,213,666
2024	3,120,575	3,217,607
2025	3,779,957	4,251,191
2026	4,822,780	3,471,995
2027	4,400,928	4,767,227
2028	3,301,110	4,577,170
2029	3,487,848	5,272,182
2030	5,226,108	5,602,649

The renewal plans shown on the following pages are draft only and are derived from Councils asset register without further inspection. Further work is required to develop these draft programs into actual costed works at the project level. These works have been used to derive the forecast costs which in many cases are unfunded in Council's budget. In the case of Township roads the register only includes like for like renewals and does not include upgrades to meet Councils levels of service requirements (AC seal, fully kerbed & sealed shoulders). These costs have been included under acquisitions in this plan which are currently unfunded.

Renewal Plan (Draft) - Floodways

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
41065.0	Floodway	Flagstaff Hill Road	Floodway Surface - Concrete	0	2021	13995
41093.0	Floodway	Hydedale Road	Floodway Surface - Concrete	0	2021	8946
47399.0	Floodway	Stockport Road	Floodway Surface - Sealed	0	2024	5378
54296.0	Floodway	Ayliffe Road	Floodway Scour Protection - Concrete	0	2029	20560
41146.0	Floodway	Flagstaff Hill Road	Floodway Surface - Concrete	0	2029	14909
41094.0	Floodway	Ellis Road	Floodway Surface - Concrete	0	2029	9940
41084.0	Floodway	Duff Road	Floodway Surface - Concrete	0	2029	6958
41145.0	Floodway	Doecke Road	Floodway Surface - Concrete	0	2029	9741
41080.0	Floodway	Diagonal Road	Floodway Surface - Concrete	0	2029	10337
41147.0	Floodway	Berry Road	Floodway Surface - Concrete	0	2029	19879
45310.0	Floodway	Goldfields Road	Floodway Surface - Concrete	0	2029	3101
41129.0	Floodway	Holland Road	Floodway Surface - Concrete	0	2029	15903
41086.0	Floodway	Hogan Road	Floodway Surface - Concrete	0	2029	4771
41088.0	Floodway	Hogan Road	Floodway Surface - Concrete	0	2029	4771
41113.0	Floodway	Heintze Road	Floodway Surface - Concrete	0	2029	7952
41083.0	Floodway	Hansborough Road	Floodway Surface - Concrete	0	2029	55661
41081.0	Floodway	Mary Mckillop Walk	Floodway Surface - Concrete	0	2029	19879
41136.0	Floodway	Nietschke Road	Floodway Surface - Concrete	0	2029	10933
41078.0	Floodway	Neldner Road (Freeling)	Floodway Surface - Concrete	0	2029	16400
41077.0	Floodway	Murphy Road	Floodway Surface - Concrete	0	2029	27831
41069.0	Floodway	Research Road	Floodway Surface - Concrete	0	2029	13915
41095.0	Floodway	Prior Road	Floodway Surface - Concrete	0	2029	27831
41072.0	Floodway	Old Anlaby Road	Floodway Surface - Concrete	0	2029	12723
41106.0	Floodway	St Johns Road	Floodway Surface - Concrete	0	2029	12921
41060.0	Floodway	Vivian Bullwinkel Drive	Floodway Surface - Concrete	0	2029	10933
41097.0	Floodway	Victoria Road	Floodway Surface - Concrete	0	2029	21867
41074.0	Floodway	Taylors Run Road	Floodway Surface - Concrete	0	2029	9741
41062.0	Floodway	Whites Road	Floodway Surface - Concrete	0	2029	5964
41071.0	Floodway	Allen Creek Road	Floodway Surface - Concrete	0	2029	7952

Renewal Plan (Draft) - Footpaths

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
39782.0	Footpath	Clarke Street	Hanson Street	Coulls Street	2023	1098
39816.0	Footpath	Gray Street	Hanson Street	Croser Street	2023	6349
39825.0	Footpath	Crase Street	Main Street	Branson Crescent	2023	2231
40120.0	Footpath	Smedley Street	Main Street	Whittaker Street	2023	2114
44818.0	Footpath	Main Street	Jackson Street	Coghill Street	2023	1775
55499.0	Footpath	Crase Street	Main Street	Branson Crescent	2023	295
55504.0	Footpath	Clarke Street	Hanson Street	Coulls Street	2023	242
55512.0	Footpath	Gray Street	Hanson Street	Croser Street	2023	1399
55535.0	Footpath	Main Street	Jackson Street	Coghill Street	2023	391
40010.0	Footpath	Annie Terrace	Mudla Wirra Road	Harris Road	2024	1452
44801.0	Footpath	Main Street	Perry Road (Kapunda)	Jackson Street	2026	17583
47884.0	Footpath	Hanson Street	Rogers Street	Clarke Street	2026	61386
47912.0	Footpath	Gray Street (East)	Hanson Street	Gray Street	2026	73330
47887.0	Footpath	Hanson Street	Rogers Street	Clarke Street	2027	52622
47891.0	Footpath	Hanson Street	Clarke Street	Gray Street (East)	2027	44560
47881.0	Footpath	Hanson Street	Cherry Street	Rogers Street	2027	47546
47870.0	Footpath	Hanson Street	Shepherd Street	Cherry Street	2027	80109
39755.0	Footpath	Annie Terrace	Mudla Wirra Road	Harris Road	2027	5519
44912.0	Footpath	Borrow Street (Freeling)	Stephenson Street	Clarke Street	2028	3241
40185.0	Footpath	Elizabeth Street (Roseworthy)	Railway Terrace	Road Closure	2029	4871
47876.0	Footpath	Hanson Street	Cherry Street	Rogers Street	2029	64144
50244.0	Footpath	Gray Street	Hanson Street	Croser Street	2030	25327
47871.0	Footpath	Hanson Street	Shepherd Street	Cherry Street	2030	55362
47867.0	Footpath	Hanson Street	View Street	Olive Street	2030	11956
47868.0	Footpath	Hanson Street	Olive Street	Hanisch Street	2030	14017
47869.0	Footpath	Hanson Street	Hanisch Street	Shepherd Street	2030	15047
44807.0	Footpath	Main Street	Coghill Street	Tod Street	2031	7459
51842.0	Footpath	Clarke Street	Hanson Street	Coulls Street	2031	1593
51844.0	Footpath	Clarke Street	Hanson Street	Coulls Street	2031	1540
51846.0	Footpath	Clarke Street	Hanson Street	Coulls Street	2031	1288

Renewal Plan (Draft) - Stormwater

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
37454.0	SW_Drain	400mm x 300mm Concrete SW Box Culvert	Freeling	TDF000004	2021	22758
38580.0	SW_Drain	225mm uPVC SW Pipe	Hewett	TDH001045	2021	6826
37678.0	SW_Drain	300mm RCP SW Pipe	Freeling	TDF000121	2021	3565
37679.0	SW_Drain	300mm RCP SW Pipe	Freeling	TDF000122	2021	2898
38620.0	SW_Drain	375mm RCP SW Pipe	Kapunda	TDK001162	2021	2473
37883.0	SW_Drain	300mm RCP SW Pipe	Greenock	TDG000285	2021	39232
38890.0	SW_Drain	300mm RCP SW Pipe	Roseworthy	TDR001441	2021	1796
38883.0	SW_Drain	300mm RCP SW Pipe	Roseworthy	TDR001426	2021	1958
44202.0	SW_Drain	450mm RCP SW Pipe	Roseworthy	TDR001608	2021	6774
38808.0	SW_Drain	300mm RCP SW Pipe	Roseworthy	TDR001418	2021	1980
38795.0	SW_Drain	375mm RCP SW Pipe	Kapunda	TDK001347	2021	3353
38823.0	SW_Drain	675mm RCP SW Pipe	Kapunda	TDK001270	2021	20674
38824.0	SW_Drain	525mm RCP SW Pipe	Kapunda	TDK001271	2021	36757
38731.0	SW_Drain	375mm RCP SW Pipe	Kapunda	TDK001232	2021	1960
38698.0	SW_Drain	375mm RCP SW Pipe	Kapunda	TDK001169	2021	18012
38692.0	SW_Drain	375mm RCP SW Pipe	Kapunda	TDK001155	2021	5174
37470.0	SW_Drain	1200mm x 900mm Concrete SW Box Culvert	Greenock	TDG000218	2021	23670
36225.0	SW_Node	Grated Inlet Pit	Freeling	TNF000015	2021	2302
36226.0	SW_Node	Grated Inlet Pit	Freeling	TNF000016	2021	2302
36443.0	SW_Node	900 Sq Junction Box	Freeling	TNF000067	2021	3257
36445.0	SW_Node	450 Sq Junction Box	Freeling	TNF000069	2021	2208
36446.0	SW_Node	450 Sq Junction Box	Freeling	TNF000070	2021	2208
36429.0	SW_Node	1200 Sq Junction Box	Freeling	TNF000053	2021	4359
36657.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001221	2021	3257
36853.0	SW_Node	Single Side Entry Pit	Greenock	TNG000314	2021	2302
36854.0	SW_Node	Single Side Entry Pit	Greenock	TNG000315	2021	2302
36778.0	SW_Node	Single Side Entry Pit	Freeling	TNF000150	2021	2302
37126.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001346	2021	2302
36827.0	SW_Node	Single Side Entry Pit	Greenock	TNG000288	2021	2302
36828.0	SW_Node	Single Side Entry Pit	Greenock	TNG000289	2021	2302
36829.0	SW_Node	Double Side Entry Pit	Greenock	TNG000290	2021	3880
36830.0	SW_Node	Double Side Entry Pit	Greenock	TNG000291	2021	3880
36831.0	SW_Node	Single Side Entry Pit	Greenock	TNG000292	2021	2302
36832.0	SW_Node	Single Side Entry Pit	Greenock	TNG000293	2021	2302
36644.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001189	2021	3257
37072.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001292	2022	2302
37074.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001294	2022	3880
37075.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001295	2022	3880
37039.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001242	2025	2302
37040.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001243	2025	2302
36665.0	SW_Node	600 Sq Junction Box	Roseworthy	TNR001442	2025	2208
36666.0	SW_Node	600 Sq Junction Box	Roseworthy	TNR001443	2025	2208
36298.0	SW_Node	5 Basket Trash Rack	Kapunda	TNK001362	2025	30030
36288.0	SW_Node	Grated Inlet Pit	Wasleys	TNW001539	2025	2302
36289.0	SW_Node	2 Basket Trash Rack	Freeling	TNF000210	2025	4298
36290.0	SW_Node	4 Basket Trash Rack	Freeling	TNF000211	2025	26038
36301.0	SW_Node	1 Basket Trash Rack	Roseworthy	TNR001529	2025	2763
36285.0	SW_Node	Grated Inlet Pit	Roseworthy	TNR001417	2025	2302
37205.0	SW_Node	Single Side Entry Pit	Wasleys	TNW001546	2025	2302
37206.0	SW_Node	Single Side Entry Pit	Wasleys	TNW001547	2025	2302
37202.0	SW_Node	Single Side Entry Pit	Wasleys	TNW001543	2025	2302
37203.0	SW_Node	Single Side Entry Pit	Wasleys	TNW001544	2025	2302
37137.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001454	2025	3880
37138.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001455	2025	3880
37139.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001456	2025	3880
37140.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001457	2025	2302
37141.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001458	2025	2302
37142.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001459	2025	2302
37143.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001460	2025	2302
37144.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001461	2025	2302
37145.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001462	2025	2302

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
37146.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001463	2025	2302
37147.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001464	2025	2302
37148.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001465	2025	2302
37149.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001466	2025	2302
37150.0	SW_Node	Single Side Entry Pit	Roseworthy	TNR001467	2025	2302
37151.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001468	2025	3880
37152.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001469	2025	3880
37153.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001470	2025	3880
37154.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001471	2025	3880
37155.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001472	2025	3880
37156.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001473	2025	3880
36707.0	SW_Node	600 Sq Junction Box	Roseworthy	TNR001435	2025	2208
36708.0	SW_Node	900 Sq Junction Box	Roseworthy	TNR001436	2025	3257
36709.0	SW_Node	450 Sq Junction Box	Roseworthy	TNR001437	2025	2208
36710.0	SW_Node	900 Sq Junction Box	Roseworthy	TNR001438	2025	3257
36711.0	SW_Node	450 Sq Junction Box	Roseworthy	TNR001439	2025	2208
36712.0	SW_Node	900 Sq Junction Box	Roseworthy	TNR001440	2025	3257
36713.0	SW_Node	900 Sq Junction Box	Roseworthy	TNR001441	2025	3257
36717.0	SW_Node	900 Sq Junction Box	Roseworthy	TNR001452	2025	3257
37198.0	SW_Node	Double Side Entry Pit	Roseworthy	TNR001515	2025	3880
37199.0	SW_Node	Single Side Entry Pit	Sheaoak Log	TNS001536	2025	2302
37200.0	SW_Node	Double Side Entry Pit	Sheaoak Log	TNS001537	2025	3880
37201.0	SW_Node	Double Side Entry Pit	Sheaoak Log	TNS001538	2025	3880
37204.0	SW_Node	Single Side Entry Pit	Wasleys	TNW001545	2025	2302
37751.0	SW_Drain	375mm FRC SW Pipe	Freeling	TDF000194	2026	45230
38822.0	SW_Drain	900mm RCP SW Pipe	Kapunda	TDK001269	2026	40345
38990.0	SW_Drain	375mm RCP SW Pipe	Roseworthy	TDR001530	2026	2321
38621.0	SW_Drain	450mm RCP SW Pipe	Kapunda	TDK001163	2026	14054
37823.0	SW_Drain	300mm RCP SW Pipe	Greenock	TDG000295	2026	26867
37689.0	SW_Drain	300mm RCP SW Pipe	Freeling	TDF000132	2026	1481
37710.0	SW_Drain	300mm RCP SW Pipe	Freeling	TDF000153	2026	5809
37783.0	SW_Drain	300mm RCP SW Pipe	Greenock	TDG000244	2026	14600
37815.0	SW_Drain	300mm RCP SW Pipe	Greenock	TDG000287	2026	29118
37625.0	SW_Drain	300mm RCP SW Pipe	Freeling	TDF000068	2026	1008
37621.0	SW_Drain	375mm RCP SW Pipe	Freeling	TDF000064	2026	1604
37602.0	SW_Drain	450mm RCP SW Pipe	Freeling	TDF000038	2026	2140
		750mm x 300mm Concrete SW Box				
37462.0	SW_Drain	Culvert	Freeling	TDF000012	2026	41883
		400mm x 300mm Concrete SW Box				
37453.0	SW_Drain	Culvert	Freeling	TDF000003	2026	17354
36706.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001219	2027	3257
36701.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001214	2027	2208
36688.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001193	2027	3257
36648.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001202	2027	2208
36696.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001201	2027	2208
37046.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001258	2027	3880
37089.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001309	2027	3880
37090.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001310	2027	3880
37091.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001311	2027	2302
36987.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001251	2027	3880
36991.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001255	2027	3880
51153.0	SW_Node	Pump Controller for Pump Stat	Wasleys	TNW001900	2029	13159
51272.0	SW_Node	Pump Controller for Pump Stat	Wasleys	TNW001904	2029	13159
37506.0	SW_Drain	1200mm RCP SW Pipe	Kapunda	TDK001084	2029	17381
		900mm x 900mm Stone				
39008.0	SW_Drain	SW Tunnel / Enclosure	Kapunda	TDK001375	2029	14257
		500mm x 200mm Concrete SW Box				
37505.0	SW_Drain	Culvert	Kapunda	TDK001083	2030	11239
		1800mm x 1700mm Concrete SW Tunnel /				
39006.0	SW_Drain	Enclosure	Greenock	TDG000338	2030	43871

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
37466.0	SW_Drain	2400mm x 1800mm Concrete SW Box Culvert	Greenock	TDG000214	2030	68558
37496.0	SW_Drain	1200mm x 450mm Concrete SW Box Culvert	Kapunda	TDK001074	2030	12390
37498.0	SW_Drain	600mm x 450mm Concrete SW Box Culvert	Kapunda	TDK001076	2030	18446
51226.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001884	2030	2302
48439.0	SW_Node	900 Sq Junction Box	Freeling	TNF001779	2030	3257
48440.0	SW_Node	900 Sq Junction Box	Freeling	TNF001780	2030	3257
48441.0	SW_Node	900 Sq Junction Box	Freeling	TNF001805	2030	3257
48442.0	SW_Node	900 Sq Junction Box	Freeling	TNF001778	2030	3257
36689.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001194	2030	3257
36690.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001195	2030	3257
36702.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001215	2030	2208
36703.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001216	2030	2208
36704.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001217	2030	2208
36705.0	SW_Node	900 Sq Junction Box	Kapunda	TNK001218	2030	3257
36824.0	SW_Node	Double Side Entry Pit	Freeling	TNF000196	2030	3880
36825.0	SW_Node	Double Side Entry Pit	Freeling	TNF000197	2030	3880
36826.0	SW_Node	Double Side Entry Pit	Freeling	TNF000198	2030	3880
36835.0	SW_Node	Double Side Entry Pit	Greenock	TNG000296	2030	3880
36836.0	SW_Node	Double Side Entry Pit	Greenock	TNG000297	2030	3880
37390.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001360	2030	3880
36212.0	SW_Node	Grated Inlet Pit	Freeling	TNF000002	2030	2302
36992.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001256	2030	3880
36993.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001257	2030	3880
36994.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001267	2030	3880
36995.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001268	2030	2302
36988.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001252	2030	3880
36989.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001253	2030	3880
36730.0	SW_Node	Double Side Entry Pit	Freeling	TNF000102	2030	3880
36731.0	SW_Node	Double Side Entry Pit	Freeling	TNF000103	2030	3880
36732.0	SW_Node	Double Side Entry Pit	Freeling	TNF000104	2030	3880
36733.0	SW_Node	Double Side Entry Pit	Freeling	TNF000105	2030	3880
36734.0	SW_Node	Double Side Entry Pit	Freeling	TNF000106	2030	3880
36773.0	SW_Node	Single Side Entry Pit	Freeling	TNF000145	2030	2302
36774.0	SW_Node	Single Side Entry Pit	Freeling	TNF000146	2030	2302
36776.0	SW_Node	Single Side Entry Pit	Freeling	TNF000148	2030	2302
36777.0	SW_Node	Grated Inlet Pit	Freeling	TNF000149	2030	2302
37092.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001312	2030	2302
37097.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001317	2030	3880
37098.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001318	2030	3880
37068.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001288	2030	3880
37069.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001289	2030	2302
37070.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001290	2030	2302
37071.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001291	2030	2302
37063.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001283	2030	3880
37064.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001284	2030	3880
37065.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001285	2030	3880
37047.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001259	2030	3880
37053.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001265	2030	3880
37054.0	SW_Node	Double Side Entry Pit	Kapunda	TNK001266	2030	3880
36450.0	SW_Node	900 Sq Junction Box	Freeling	TNF000074	2030	3257
37038.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001241	2030	2302
37119.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001339	2030	2302
37120.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001340	2030	2302
36739.0	SW_Node	Single Side Entry Pit	Freeling	TNF000111	2030	2302
36740.0	SW_Node	Single Side Entry Pit	Freeling	TNF000112	2030	2302
36741.0	SW_Node	Double Side Entry Pit	Freeling	TNF000113	2030	3880
36752.0	SW_Node	Single Side Entry Pit	Freeling	TNF000124	2030	2302
36753.0	SW_Node	Single Side Entry Pit	Freeling	TNF000125	2030	2302
36754.0	SW_Node	Double Side Entry Pit	Freeling	TNF000126	2030	3880
36755.0	SW_Node	Double Side Entry Pit	Freeling	TNF000127	2030	3880
36649.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001203	2030	2208
36658.0	SW_Node	600 Sq Junction Box	Kapunda	TNK001222	2030	2208

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
36430.0	SW_Node	900 Sq Junction Box	Freeling	TNF000054	2030	3257
36447.0	SW_Node	600 Sq Junction Box	Freeling	TNF000071	2030	2208
36422.0	SW_Node	900 Sq Junction Box	Freeling	TNF000046	2030	3257
36423.0	SW_Node	900 Sq Junction Box	Freeling	TNF000047	2030	3257
36424.0	SW_Node	900 Sq Junction Box	Freeling	TNF000048	2030	3257
36425.0	SW_Node	900 Sq Junction Box	Freeling	TNF000049	2030	3257
36426.0	SW_Node	1200 Sq Junction Box	Freeling	TNF000050	2030	4359
36427.0	SW_Node	900 Sq Junction Box	Freeling	TNF000051	2030	3257
36475.0	SW_Node	450 Sq Junction Box	Freeling	TNF000099	2030	2208
36476.0	SW_Node	600 Sq Junction Box	Freeling	TNF000100	2030	2208
36477.0	SW_Node	900 Sq Junction Box	Freeling	TNF000101	2030	3257
36236.0	SW_Node	Grated Inlet Pit	Greenock	TNG000247	2030	2302
36253.0	SW_Node	Grated Inlet Pit	Kapunda	TNK001141	2030	2302
36433.0	SW_Node	900 Sq Junction Box	Freeling	TNF000057	2030	3257
36434.0	SW_Node	900 Sq Junction Box	Freeling	TNF000058	2030	3257
36435.0	SW_Node	900 Sq Junction Box	Freeling	TNF000059	2030	3257
36436.0	SW_Node	900 Sq Junction Box	Freeling	TNF000060	2030	3257
36213.0	SW_Node	Grated Inlet Pit	Freeling	TNF000003	2030	2302
36214.0	SW_Node	Grated Inlet Pit	Freeling	TNF000004	2030	2302
37058.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001278	2031	2302
37061.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001281	2031	2302
37062.0	SW_Node	Single Side Entry Pit	Kapunda	TNK001282	2031	2302

Renewal Plan (Draft) - Transport

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
47802.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 75 m2	Hanson Street	2021	494
47804.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 74 m2	Hanson Street	2021	492
47805.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 54 m2	Hanson Street	2021	360
47806.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 63 m2	Hanson Street	2021	420
47807.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 44 m2	Hanson Street	2021	291
47808.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 43 m2	Hanson Street	2021	282
47809.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 43 m2	Hanson Street	2021	285
47810.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 62 m2	Hanson Street	2021	410
47811.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 43 m2	Hanson Street	2021	284
47812.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 48 m2	Hanson Street	2021	316
47813.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 51 m2	Hanson Street	2021	339
47814.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 48 m2	Hanson Street	2021	316
47815.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 64 m2	Hanson Street	2021	425
47816.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 92 m2	Hanson Street	2021	612
47817.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 43 m2	Hanson Street	2021	286
47818.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 62 m2	Hanson Street	2021	414
47819.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 42 m2	Hanson Street	2021	275
47820.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 40 m2	Hanson Street	2021	266
47821.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 35 m2	Hanson Street	2021	228
47822.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 51 m2	Hanson Street	2021	341
47823.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 39 m2	Hanson Street	2021	258

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
47824.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 42 m2	Hanson Street	2021	279
47825.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 35 m2	Hanson Street	2021	229
47826.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 53 m2	Hanson Street	2021	351
47827.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 80 m2	Hanson Street	2021	532
47828.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 58 m2	Hanson Street	2021	387
47829.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 42 m2	Hanson Street	2021	275
47830.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 32 m2	Hanson Street	2021	212
47831.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 48 m2	Hanson Street	2021	319
47832.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 84 m2	Hanson Street	2021	555
47833.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 48 m2	Hanson Street	2021	320
47834.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 36 m2	Hanson Street	2021	239
47835.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 44 m2	Hanson Street	2021	290
47836.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 44 m2	Hanson Street	2021	289
47837.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 40 m2	Hanson Street	2021	263
47838.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 85 m2	Hanson Street	2021	566
47839.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 43 m2	Hanson Street	2021	284
47840.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 43 m2	Hanson Street	2021	285
47841.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 136 m2	Hanson Street	2021	903
47842.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 41 m2	Hanson Street	2021	271
47843.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 42 m2	Hanson Street	2021	281
47844.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 46 m2	Hanson Street	2021	305
47845.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 45 m2	Hanson Street	2021	296

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
47846.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 45 m2	Hanson Street	2021	299
47847.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 13 m2	Hanson Street	2021	86
47848.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 41 m2	Hanson Street	2021	274
47849.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 41 m2	Hanson Street	2021	269
47850.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 101 m2	Hanson Street	2021	669
47851.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 46 m2	Hanson Street	2021	307
47852.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 26 m2	Hanson Street	2021	172
47853.0	Indented Carparking	Spray Seal Bitumen Indented Parking Bay Surface	Area 54 m2	Hanson Street	2021	359
3796.0	Surface SS	Moppa Road	Wildlife Road	Hankel Road	2021	57958
48710.0	Surface SS	Argent Road	503m from Thiele Highway	778m from Thiele Highway	2021	13108
5350.0	Surface SS	Seppeltsfield Road	Bend in Road	Peter Seppelt Road	2021	19304
3104.0	Surface SS	Wildlife Road	Start of Seal	Moppa Road	2021	4634
6113.0	Surface SS	Roseworthy Road	Flett Road	Flett Road	2021	24920
4080.0	Surface AC	Old Two Wells Road	Two Wells Road	End of Road	2021	35159
5514.0	Surface SS	Station Street	Annie Terrace	Mawson Street	2021	19759
1890.0	Surface SS	Church Street (Kapunda)	Beck Street	Clare Road	2021	5351
4080.0	Kerb Renewal Estimated	Old Two Wells Road, Kerb Renew - 7 m	Two Wells Road	End of Road	2021	980
6113.0	Kerb Renewal Estimated	Roseworthy Road, Kerb Renew - 117 m	Flett Road	476.45m from Flett Road	2021	16378
5514.0	Kerb Renewal Estimated	Station Street, Kerb Renew - 179 m	Annie Terrace	Mawson Street	2021	25056
1890.0	Kerb Renewal Estimated	Church Street (Kapunda), Kerb Renew - 45 m	Beck Street	Clare Road	2021	6299
5350.0	Pavement Renewal	Seppeltsfield Road	Bend in Road	Peter Seppelt Road	2021	301238
1890.0	Pavement Renewal	Church Street (Kapunda)	Beck Street	Clare Road	2021	80314
4950.0	Pavement Renewal	Railway Road	Railway Parade	Coghill Street	2021	130585
5284.0	Pavement Renewal	Stocks Street	Tod Street	Hill Street	2021	89040
3158.0	Pavement Renewal	Kentish Road	Parkers Road	Lange Road	2021	185255
2666.0	Pavement Renewal	Hare Street	Clare Road	High Street	2021	168749
51035.0	Pavement Renewal	Blyth Street	Beck Street	Hill Street	2021	103174
1180.0	Pavement Renewal	Albert Street	Railway Parade	Coghill Street	2021	45864
3874.0	Kerb Renewal Estimated	Murray Road (South), Kerb Renew - 165 m	Princess Street	Main North Road	2021	23097
4950.0	Kerb Renewal Estimated	Railway Road, Kerb Renew - 146 m	Railway Parade	Coghill Street	2021	20437
5284.0	Kerb Renewal Estimated	Stocks Street, Kerb Renew - 78 m	Tod Street	Hill Street	2021	10918

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
1268.0	Kerb Renewal Estimated	Bagot Street, Kerb Renew - 172 m	Branson Crescent	Hogan Street	2021	24077
51035.0	Kerb Renewal Estimated	Blyth Street, Kerb Renew - 62 m	Beck Street	Hill Street	2021	8679
1276.0	Kerb Renewal Estimated	Barons Court, Kerb Renew - 182 m	Greenock Road	End of Road	2021	25476
2300.0	Kerb Renewal Estimated	Flora Street, Kerb Renew - 88 m	Barkey Street	End of Road	2021	12318
3534.0	Kerb Renewal Estimated	Martin Street, Kerb Renew - 36 m	Murray Street	End of Road	2021	5039
3246.0	Kerb Renewal Estimated	Koncke Street, Kerb Renew - 363 m	Adelaide Road (Greenock)	Branson Road	2021	50813
3724.0	Kerb Renewal Estimated	Midland Street, Kerb Renew - 110 m	Mill Street	Leopold Street	2021	15398
5552.0	Kerb Renewal Estimated	Stirling Street, Kerb Renew - 110 m	High Street	Maxwell Street	2021	15398
4972.0	Kerb Renewal Estimated	Rees Crescent, Kerb Renew - 108 m	Maxwell Street	Stirling Street	2021	15118
4938.0	Kerb Renewal Estimated	Railway Parade, Kerb Renew - 71 m	Hancock Road	Albert Street	2021	9939
2732.0	Kerb Renewal Estimated	Havelock Street, Kerb Renew - 134 m	Stirling Street	Carey Lane	2021	18757
2866.0	Kerb Renewal Estimated	High Street, Kerb Renew - 156 m	Mildred Street	Stirling Street	2021	21837
2590.0	Kerb Renewal Estimated	Grey Street, Kerb Renew - 23 m	Coghill Street	Hindmarsh Street	2021	3220
1180.0	Kerb Renewal Estimated	Albert Street, Kerb Renew - 14 m	Railway Parade	Coghill Street	2021	1960
6111.0	Kerb Renewal Estimated	Roseworthy Road, Kerb Renew - 15 m	Horrocks Highway	Flett Road	2021	2100
4292.0	Kerb Renewal Estimated	Prescott Crescent, Kerb Renew - 91 m	Bernard Court	End of Road	2021	12738
4182.0	Kerb Renewal Estimated	Peppermint Drive, Kerb Renew - 196 m	Edward Road	End of Road	2021	27436
3386.0	Kerb Renewal Estimated	Linda Street, Kerb Renew - 298 m	Ahrens Road	End of Road	2021	41714
2530.0	Kerb Renewal Estimated	Goss Road, Kerb Renew - 32 m	Annie Terrace	George Street	2021	4479
1464.0	Kerb Renewal Estimated	Bethel Road, Kerb Renew - 26 m	1220.25m from Fords Road	Thiele Highway	2021	3639
5592.0	Surface SS	Strickland Street	230m from Hogan Street	Branson Crescent	2021	1164
3874.0	Surface AC	Murray Road (South)	Princess Street	Main North Road	2021	153391
4950.0	Surface SS	Railway Road	Railway Parade	Coghill Street	2021	12920
5284.0	Surface SS	Stocks Street	Tod Street	Hill Street	2021	8977
1276.0	Surface SS	Barons Court	Greenock Road	End of Road	2021	12981
2300.0	Surface SS	Flora Street	Barkey Street	End of Road	2021	6009
3534.0	Surface SS	Martin Street	Murray Street	End of Road	2021	2285
3246.0	Surface AC	Koncke Street	Adelaide Road (Greenock)	Branson Road	2021	261980
5852.0	Surface SS	Waterhouse Street	Clare Road	Gawler Street	2021	4100
3724.0	Surface SS	Midland Street	Mill Street	Leopold Street	2021	8369
5552.0	Surface SS	Stirling Street	High Street	Maxwell Street	2021	9419
4972.0	Surface SS	Rees Crescent	Maxwell Street	Stirling Street	2021	12986
4938.0	Surface SS	Railway Parade	Hancock Road	Albert Street	2021	12087
2732.0	Surface SS	Havelock Street	Stirling Street	Carey Lane	2021	12310
2866.0	Surface SS	High Street	Mildred Street	Stirling Street	2021	20053
2590.0	Surface SS	Grey Street	Coghill Street	Hindmarsh Street	2021	4082
1180.0	Surface SS	Albert Street	Railway Parade	Coghill Street	2021	3908
1268.0	Surface SS	Bagot Street	Branson Crescent	Hogan Street	2021	12108
2666.0	Surface SS	Hare Street	Clare Road	High Street	2021	12452
51035.0	Surface SS	Blyth Street	Beck Street	Hill Street	2021	7862
50130.0	Surface SS	Stonewell Road	300m from Seppeltsfield Road	Keller Road	2021	35298

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
1464.0	Surface SS	Bethel Road	1220.25m from Fords Road	Thiele Highway	2021	32240
6004.0	Surface SS	Wingate Road	Two Wells Road	River	2021	47754
48709.0	Surface SS	Argent Road	Thiele Highway	405m from Thiele Highway	2021	19036
6111.0	Surface AC	Roseworthy Road	Horrocks Highway	Flett Road	2021	18211
4710.0	Surface SS	Roediger Road	Two Wells Road	End of Seal	2021	29322
3158.0	Surface SS	Kentish Road	Parkers Road	Lange Road	2021	28038
5354.0	Surface SS	Seppeltsfield Road	Kraehe Road	Radford Road	2021	28402
5356.0	Surface SS	Seppeltsfield Road	Radford Road	Neldner Road	2021	27804
5358.0	Surface SS	Seppeltsfield Road	Neldner Road	Stonewell Road	2021	53291
5442.0	Surface SS	Smith Road (Gawler)	Thiele Highway	13m from Thiele Highway	2021	602
4292.0	Surface SS	Prescott Crescent	Bernard Court	End of Road	2021	7944
4182.0	Surface AC	Peppermint Drive	Edward Road	End of Road	2021	76290
52933.0	Surface SS	Bernard Court	25m from Smith Road	End of Road	2021	21505
3386.0	Surface AC	Linda Street	Ahrens Road	End of Road	2021	141218
50129.0	Surface SS	Stonewell Road	Keller Road	Sir Condor Laucke Way	2021	47816
2532.0	Surface SS	Goss Road	George Street	End of Seal	2021	11916
2530.0	Surface SS	Goss Road	Annie Terrace	George Street	2021	7547
1316.0	Surface SS	Belvidere Road	Neukirch Road	Ebenezer Road	2021	60904
1318.0	Surface SS	Belvidere Road	Ebenezer Road	Carrara Hill Road	2021	60904
1320.0	Surface SS	Belvidere Road	Carrara Hill Road	Golf Course Road	2021	62122
1322.0	Surface SS	Belvidere Road	Golf Course Road	Pine Drive	2021	63552
1324.0	Surface SS	Belvidere Road	Pine Drive	Kalimna Road West	2021	51768
52124.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 39 m2	Hanson Street	2021	792
52125.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 44 m2	Hanson Street	2021	892
52126.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 63 m2	Hanson Street	2021	1290
52127.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 54 m2	Hanson Street	2021	1106
52128.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 48 m2	Hanson Street	2021	978
52138.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 13 m2	Hanson Street	2021	263
52139.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 84 m2	Hanson Street	2021	1705
52140.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 48 m2	Hanson Street	2021	981
52141.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 36 m2	Hanson Street	2021	733

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
52142.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 44 m2	Hanson Street	2021	890
52143.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 44 m2	Hanson Street	2021	886
52144.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 40 m2	Hanson Street	2021	807
52145.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 85 m2	Hanson Street	2021	1736
52146.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 43 m2	Hanson Street	2021	872
52147.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 43 m2	Hanson Street	2021	874
52148.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 136 m2	Hanson Street	2021	2772
52149.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 41 m2	Hanson Street	2021	832
52150.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 42 m2	Hanson Street	2021	863
52151.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 46 m2	Hanson Street	2021	936
52152.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 35 m2	Hanson Street	2021	701
52153.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 54 m2	Hanson Street	2021	1101
52154.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 42 m2	Hanson Street	2021	855
52155.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 35 m2	Hanson Street	2021	702
52156.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 53 m2	Hanson Street	2021	1076
52157.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 80 m2	Hanson Street	2021	1631
52158.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 58 m2	Hanson Street	2021	1188

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
52159.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 45 m2	Hanson Street	2021	909
52160.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 32 m2	Hanson Street	2021	652
52161.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 45 m2	Hanson Street	2021	917
52162.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 26 m2	Hanson Street	2021	528
52163.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 46 m2	Hanson Street	2021	943
52164.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 101 m2	Hanson Street	2021	2054
52165.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 41 m2	Hanson Street	2021	825
52166.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 41 m2	Hanson Street	2021	841
52168.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 42 m2	Hanson Street	2021	844
52194.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 74 m2	Hanson Street	2021	1510
52195.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 75 m2	Hanson Street	2021	1516
52109.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 62 m2	Hanson Street	2021	1260
52110.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 43 m2	Hanson Street	2021	872
52111.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 48 m2	Hanson Street	2021	970
52112.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 51 m2	Hanson Street	2021	1040
52113.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 51 m2	Hanson Street	2021	1046
52114.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 64 m2	Hanson Street	2021	1305

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
52115.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 43 m2	Hanson Street	2021	867
52116.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 92 m2	Hanson Street	2021	1877
52117.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 43 m2	Hanson Street	2021	878
52118.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 62 m2	Hanson Street	2021	1270
52119.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 42 m2	Hanson Street	2021	843
52120.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 40 m2	Hanson Street	2021	818
52122.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 48 m2	Hanson Street	2021	971
52123.0	Indented Carparking	Indented Parking Bay (Spray Seal Bitumen Surface) Pavement Base	Area 43 m2	Hanson Street	2021	875
1314.0	Surface SS	Belvidere Road	Truro Road	Neukirch Road	2022	60904
48711.0	Surface SS	Argent Road	851m from Thiele Highway	1065m from Thiele Highway	2022	10058
3258.0	Surface SS	Kraehe Road	Seppeltsfield Road	End of Seal 246m from Kentish Road	2022	7386
4156.0	Surface SS	Parkers Road	Kentish Road	Kentish Road	2022	9771
3648.0	Surface SS	Mattschoos Road (Daveyston)	Start of Seal	Bartel Road	2022	3014
3652.0	Surface SS	Mattschoos Road (Daveyston)	Bartel Road	End of Seal	2022	1692
4010.0	Surface SS	North Terrace	Marrabel Road	End of Seal	2022	8028
5982.0	Surface SS	William Street	Ahrens Road	End of Seal	2022	20394
1430.0	Surface SS	Best Road	Start of Seal	John Eden Road	2022	51234
45113.0	Surface SS	Peramangk Road	End of Road	Council Boundary	2022	6253
39192.0	Surface SS	Muster Road	Start of Seal (712m from Stockport Road)	End of Seal (921m from Stockport Road)	2022	10447
2044.0	Surface SS	Davidson Road	Two Wells Road	End of Road	2022	9268
2920.0	Surface SS	Holland Road	Turretfield Road	End of Seal	2022	53723
3508.0	Surface SS	Marsh Walk	Adelaide Road (Greenock)	Greenock Creek	2022	5772
3640.0	Surface SS	Mattiske Street	Shanahan Street	Schuster Street	2022	4836
54757.0	Surface SS	Waterhouse Street	Gawler Street	Baker Street	2022	6792
3454.0	Surface AC	Macdonnell Street	Elizabeth Street	End of Seal	2022	6506
2614.0	Surface SS	Hamilton Street	Hanisch Street	View Street	2022	15430
2976.0	Surface SS	Jackman Street	Greenock Road	Bevan Street	2022	5303
2472.0	Surface AC	Goldfinch Way	Kingfisher Drive (Sth)	Kingfisher Drive (Nth)	2022	111105
1940.0	Surface SS	Coghill Street	Albert Street	Main Street	2022	25197
2022.0	Surface SS	Crimson Court	Shamrock Way	End of Road	2022	5985
2276.0	Surface SS	Fisher Street	Forster Street	Jane Terrace	2022	7805
1684.0	Surface SS	Leopold Street	Murray Street	Flora Street	2022	11409

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
1396.0	Surface SS	Barkey Street	Queen Street	James Smith Court	2022	8807
1502.0	Surface SS	Blyth Street	Clare Road	Beck Street	2022	5531
1662.0	Surface SS	Hanisch Street	End Closure	Hanson Street	2022	9053
1836.0	Surface SS	Carrington Street	Main Street	Railway Parade	2022	15519
5146.0	Surface SS	Schaefer Street	24m from Railway Terrace	510m from Railway Terrace	2022	22249
5406.0	Surface SS	Shannon Street	Maxwell Street	Nash Street	2022	14703
44963.0	Surface SS	Wheatley Street	Nash Street	North Terrace	2022	14669
5050.0	Surface SS	Rogers Street	Borrow Street	Hanson Street	2022	7845
5982.0	Kerb Renewal Estimated	William Street, Kerb Renew - 34 m	Ahrens Road	End of Seal	2022	4759
1684.0	Kerb Renewal Estimated	Leopold Street, Kerb Renew - 154 m	Murray Street	Flora Street	2022	21557
44963.0	Kerb Renewal Estimated	Wheatley Street, Kerb Renew - 153 m	Nash Street	North Terrace	2022	21417
1396.0	Kerb Renewal Estimated	Barkey Street, Kerb Renew - 94 m	Queen Street	James Smith Court	2022	13158
1502.0	Kerb Renewal Estimated	Blyth Street, Kerb Renew - 45 m	Clare Road	Beck Street	2022	6299
1662.0	Kerb Renewal Estimated	Hanisch Street, Kerb Renew - 39 m	End Closure	Hanson Street	2022	5459
1836.0	Kerb Renewal Estimated	Carrington Street, Kerb Renew - 105 m	Main Street	Railway Parade	2022	14698
1940.0	Kerb Renewal Estimated	Coghill Street, Kerb Renew - 164 m	Albert Street	Main Street	2022	22957
2022.0	Kerb Renewal Estimated	Crimson Court, Kerb Renew - 86 m	Shamrock Way	End of Road	2022	12038
2276.0	Kerb Renewal Estimated	Fisher Street, Kerb Renew - 102 m	Forster Street	Jane Terrace	2022	14278
2472.0	Kerb Renewal Estimated	Goldfinch Way, Kerb Renew - 263 m	Kingfisher Drive (Sth)	Kingfisher Drive (Nth)	2022	36815
2614.0	Kerb Renewal Estimated	Hamilton Street, Kerb Renew - 97 m	Hanisch Street	View Street	2022	13578
2976.0	Kerb Renewal Estimated	Jackman Street, Kerb Renew - 69 m	Greenock Road	Bevan Street	2022	9659
3640.0	Kerb Renewal Estimated	Mattiske Street, Kerb Renew - 35 m	Shanahan Street	Schuster Street	2022	4899
54757.0	Kerb Renewal Estimated	Waterhouse Street, Kerb Renew - 31 m	Gawler Street	Baker Street	2022	4339
5406.0	Kerb Renewal Estimated	Shannon Street, Kerb Renew - 154 m	Maxwell Street	Nash Street	2022	21557
5146.0	Kerb Renewal Estimated	Schaefer Street, Kerb Renew - 32 m	24m from Railway Terrace	510m from Railway Terrace	2022	4479
5050.0	Kerb Renewal Estimated	Rogers Street, Kerb Renew - 90 m	Borrow Street	Hanson Street	2022	12598
1662.0	Pavement Renewal	Hanisch Street	End Closure	Hanson Street	2022	102256
1836.0	Pavement Renewal	Carrington Street	Main Street	Railway Parade	2022	156618
39192.0	Pavement Renewal	Muster Road	Start of Seal (712m from Stockport Road)	End of Seal (921m from Stockport Road)	2022	54863
1430.0	Pavement Renewal	Best Road	Start of Seal	John Eden Road	2022	345751
3648.0	Pavement Renewal	Mattschoss Road (Daveyston)	Start of Seal	Bartel Road	2022	17150
3652.0	Pavement Renewal	Mattschoss Road (Daveyston)	Bartel Road	End of Seal	2022	9625
2976.0	Pavement Renewal	Jackman Street	Greenock Road	Bevan Street	2022	61740
1940.0	Pavement Renewal	Coghill Street	Albert Street	Main Street	2022	329827
5050.0	Pavement Renewal	Rogers Street	Borrow Street	Hanson Street	2022	80122
5146.0	Pavement Renewal	Schaefer Street	24m from Railway Terrace	510m from Railway Terrace	2022	224532

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
3454.0	Pavement Renewal	Macdonnell Street	Elizabeth Street	End of Seal	2022	13202
48704.0	Pavement Renewal	Argent Road	778m from Thiele Highway	851m from Thiele Highway	2023	44348
52926.0	Pavement Renewal	Smith Road (Gawler)	207m from Thiele Highway	End of Road	2023	74683
1852.0	Pavement Renewal	Chapel Street	Branson Crescent	Whittaker Street	2023	167846
4188.0	Kerb Renewal Estimated	Perry Road (Kapunda), Kerb Renew - 128 m	Adelaide Road	260m from Adelaide Road	2023	17917
2180.0	Kerb Renewal Estimated	Elizabeth Street (Roseworthy), Kerb Renew - 128 m	Railway Terrace	Road Closure	2023	17917
1852.0	Kerb Renewal Estimated	Chapel Street, Kerb Renew - 111 m	Branson Crescent	Whittaker Street	2023	15538
1530.0	Kerb Renewal Estimated	Borrow Street (Freeling), Kerb Renew - 8 m	Stephenson Street	Clarke Street	2023	1120
1496.0	Kerb Renewal Estimated	Blackwell Street, Kerb Renew - 2 m	Crase Street	South Terrace	2023	280
6028.0	Kerb Renewal Estimated	Wren Place, Kerb Renew - 73 m	Goldfinch Way	End of road	2023	10219
51030.0	Kerb Renewal Estimated	Beck Street, Kerb Renew - 56 m	Blyth Street	Reserve	2023	7839
50187.0	Kerb Renewal Estimated	Mill Street, Kerb Renew - 17 m	End of Hotmix	Queen Street	2023	2380
51982.0	Kerb Renewal Estimated	White Street, Kerb Renew - 39 m	259.3m from South Terrace	Chapel Street	2023	5459
6502.0	Kerb Renewal Estimated	Kapunda Street, Kerb Renew - 180 m	High Street	Maxwell Street	2023	25196
54326.0	Kerb Renewal Estimated	Weaver Road (Buchfelde), Kerb Renew - 44 m	Weaver Road - DPTI	End of Road	2023	6159
4188.0	Surface AC	Perry Road (Kapunda)	Adelaide Road	260m from Adelaide Road	2023	79131
6028.0	Surface AC	Wren Place	Goldfinch Way	End of road	2023	19070
5220.0	Surface SS	Schuster Street	Gray Street	238m from Gray Street	2023	9539
1852.0	Surface SS	Chapel Street	Branson Crescent	Whittaker Street	2023	12347
1530.0	Surface SS	Borrow Street (Freeling)	Stephenson Street	Clarke Street	2023	3871
1496.0	Surface SS	Blackwell Street	Crase Street	South Terrace	2023	9970
2180.0	Surface SS	Elizabeth Street (Roseworthy)	Railway Terrace	Road Closure	2023	13854
51982.0	Surface SS	White Street	259.3m from South Terrace	Chapel Street	2023	4599
55026.0	Surface SS	Hare Street	162m from High Street	Maxwell Street	2023	4437
51030.0	Surface SS	Beck Street	Blyth Street	Reserve	2023	9333
50187.0	Surface SS	Mill Street	End of Hotmix	Queen Street	2023	8550
6502.0	Surface SS	Kapunda Street	High Street	Maxwell Street	2023	18036
5106.0	Surface SS	Roseworthy Road	Best Road	Sturt Highway	2023	45330
1604.0	Surface SS	Boundary Road (Gawler River)	Gawler River	Road	2023	50974
54096.0	Surface SS	Dawkins Road	Annie Terrace	Pratt Road	2023	80090
54099.0	Surface SS	Mudla Wirra Road	Pratt Road	Mitchell Road	2023	96626
54102.0	Surface SS	Mudla Wirra Road	Mitchell Road	Graingers Road	2023	101387
54105.0	Surface SS	Mudla Wirra Road	Graingers Road	College Road	2023	114990
54326.0	Surface SS	Weaver Road (Buchfelde)	Weaver Road - DPTI	End of Road	2023	16418
52926.0	Surface SS	Smith Road (Gawler)	207m from Thiele Highway	End of Road	2023	9016
3488.0	Surface SS	Old Mallala Road	Redbanks Road	End of Road	2023	8070
51132.0	Surface SS	Rosedale Road	Turretfield Road	North Para River	2023	18008
48704.0	Surface AC	Argent Road	778m from Thiele Highway	851m from Thiele Highway	2023	25024

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
37576.0	Spoon Drain	Spoon Drain - Willow Drive (SPK000028)	900mm x 50mm Concrete Spoon Drain	Kapunda	2023	2331
6101.0	Surface SS	Leitch Road	Roseworthy Road	Haheisy Circuit South	2024	21985
2218.0	Surface SS	Fairbanks Road	Roediger Road	End of Road	2024	7613
1600.0	Surface SS	Boundary Road (Gawler River)	Two Wells Road	Hayman Road	2024	54814
1602.0	Surface SS	Boundary Road (Gawler River)	Hayman Road	Dawkins Road	2024	60242
50243.0	Surface AC	Public Road 2465	Gray Street	Stephenson Street	2024	13139
55017.0	Surface SS	Hare Street	High Street	82m from High Street	2024	2958
3692.0	Surface SS	McCormack Street	Hogan Street	Mary Street	2024	7070
3058.0	Surface AC	Jemalong Crescent	Shamrock Way (Nth)	Shamrock Way (Sth)	2024	123988
3128.0	Surface SS	Kapunda Street	Clare Road	High Street	2024	10361
1466.0	Surface SS	Bevan Street	Lina Street	Jackman Street	2024	31142
5400.0	Surface SS	Shanahan Street	Mattiske Street	Gray Street	2024	6819
5178.0	Surface SS	School Road (Greenock)	89m from Bevan Street	Adelaide Road (Greenock)	2024	4315
5068.0	Surface SS	Ronda Avenue	12m from Gartrell Street	Arthur Road	2024	22044
45080.0	Surface AC	Nash Street	Shannon Street	46m from Shannon Street	2024	10709
4956.0	Surface AC	Railway Terrace (Roseworthy)	Gartrell Street	Clode Street	2024	82161
4166.0	Surface SS	Peake Street	Clarke Street	Shepherd Street	2024	17617
6101.0	Kerb Renewal Estimated	Leitch Road, Kerb Renew - 202 m	Roseworthy Road	Haheisy Circuit South	2024	28276
50243.0	Kerb Renewal Estimated	Public Road 2465, Kerb Renew - 10 m	Gray Street	Stephenson Street	2024	1400
45080.0	Kerb Renewal Estimated	Nash Street, Kerb Renew - 24 m	Shannon Street	46m from Shannon Street	2024	3360
3692.0	Kerb Renewal Estimated	McCormack Street, Kerb Renew - 101 m	Hogan Street	Mary Street	2024	14138
3058.0	Kerb Renewal Estimated	Jemalong Crescent, Kerb Renew - 364 m	Shamrock Way (Nth)	Shamrock Way (Sth)	2024	50953
3128.0	Kerb Renewal Estimated	Kapunda Street, Kerb Renew - 84 m	Clare Road	High Street	2024	11758
4956.0	Kerb Renewal Estimated	Railway Terrace (Roseworthy), Kerb Renew - 165 m	Gartrell Street	Clode Street	2024	23097
4166.0	Kerb Renewal Estimated	Peake Street, Kerb Renew - 224 m	Clarke Street	Shepherd Street	2024	31356
3128.0	Pavement Renewal	Kapunda Street	Clare Road	High Street	2024	122430
5118.0	Kerb Renewal Estimated	Rowett Street, Kerb Renew - 143 m	Maxwell Street	High Street	2025	20017
4274.0	Kerb Renewal Estimated	Plover Court, Kerb Renew - 127 m	Goldfinch Way	Egret Way	2025	17777
4918.0	Kerb Renewal Estimated	Queen Street (Roseworthy), Kerb Renew - 71 m	Railway Terrace	Wright Street	2025	9939
4112.0	Kerb Renewal Estimated	Osprey Parade, Kerb Renew - 197 m	Corella Avenue	Falcon Drive	2025	27576
3174.0	Kerb Renewal Estimated	Kernow Place, Kerb Renew - 113 m	Adelaide Road (Kapunda)	Bethel Road	2025	15818
2556.0	Kerb Renewal Estimated	Gray Street (East), Kerb Renew - 31 m	Hanson Street	Gray Street	2025	4339
2412.0	Kerb Renewal Estimated	George Street (Wasleys) , Kerb Renew - 3 m	Ann Street	Goss Road	2025	420
2414.0	Kerb Renewal Estimated	George Street (Greenock) , Kerb Renew - 66 m	Marsh Walk	End of Road	2025	9239

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
3680.0	Kerb Renewal Estimated	Maxwell Street, Kerb Renew - 293 m	Mildred Street	West Terrace	2025	41014
53796.0	Kerb Renewal Estimated	Osprey Parade, Kerb Renew - 127 m	Brolga Way	Corella Avenue	2025	17777
3672.0	Kerb Renewal Estimated	Maxwell Street, Kerb Renew - 21 m	Rowett Street	Stirling Street	2025	2940
3004.0	Kerb Renewal Estimated	James Street, Kerb Renew - 193 m	Hancock Road	Coghill Street	2025	27016
1648.0	Kerb Renewal Estimated	Gawler Street, Kerb Renew - 175 m	Mill Lane	Montefiore Street	2025	24497
1876.0	Kerb Renewal Estimated	Christchurch Street, Kerb Renew - 75 m	Branson Crescent	South Terrace	2025	10499
1918.0	Kerb Renewal Estimated	Clode Street, Kerb Renew - 149 m	Railway Terrace	Horrocks Highway	2025	20857
1932.0	Kerb Renewal Estimated	Coghill Street, Kerb Renew - 112 m	Montefiore Street	Albert Street	2025	15678
2336.0	Kerb Renewal Estimated	Forster Street, Kerb Renew - 67 m	Annie Terrace	End of Road	2025	9379
2346.0	Kerb Renewal Estimated	Francis Street, Kerb Renew - 127 m	Coghill Street	Way Street	2025	17777
1972.0	Kerb Renewal Estimated	Corella Avenue, Kerb Renew - 102 m	Falcon Drive	Osprey Parade	2025	14278
47611.0	Kerb Renewal Estimated	Christchurch Street, Kerb Renew - 90 m	125m from South Terrace	End of Cul de Sac	2025	12598
44238.0	Kerb Renewal Estimated	Jordan Street, Kerb Renew - 71 m	Light Street	End of Road	2025	9939
5938.0	Kerb Renewal Estimated	White Street, Kerb Renew - 83 m	South Terrace	168.8m from South Terrace	2025	11618
44053.0	Kerb Renewal Estimated	Johnson Road, Kerb Renew - 45 m	150 Metres	End of Seal	2025	6299
39214.0	Kerb Renewal Estimated	Nash Street, Kerb Renew - 95 m	Wheatley Street	Mildred Street	2025	13298
3740.0	Surface SS	Mill Street	Queen Street	End of Road	2025	6209
4112.0	Surface AC	Osprey Parade	Corella Avenue	Falcon Drive	2025	93517
4274.0	Surface AC	Plover Court	Goldfinch Way	Egret Way	2025	39467
4918.0	Surface SS	Queen Street (Roseworthy)	Railway Terrace	Wright Street	2025	6534
47611.0	Surface AC	Christchurch Street	125m from South Terrace	End of Cul de Sac	2025	36106
5938.0	Surface SS	White Street	South Terrace	168.8m from South Terrace	2025	18113
44053.0	Surface AC	Johnson Road	150 Metres	End of Seal	2025	38145
44238.0	Surface AC	Jordan Street	Light Street	End of Road	2025	31877
5118.0	Surface SS	Rowett Street	Maxwell Street	High Street	2025	11941
1648.0	Surface SS	Gawler Street	Mill Lane	Montefiore Street	2025	13427
1876.0	Surface SS	Christchurch Street	Branson Crescent	South Terrace	2025	7168
1918.0	Surface SS	Clode Street	Railway Terrace	Horrocks Highway	2025	11980
1932.0	Surface AC	Coghill Street	Montefiore Street	Albert Street	2025	99892
2336.0	Surface SS	Forster Street	Annie Terrace	End of Road	2025	27690
2346.0	Surface SS	Francis Street	Coghill Street	Way Street	2025	9112
1972.0	Surface AC	Corella Avenue	Falcon Drive	Osprey Parade	2025	40928
2556.0	Surface AC	Gray Street (East)	Hanson Street	Gray Street	2025	11678
2412.0	Surface SS	George Street (Wasleys)	Ann Street	Goss Road	2025	4848
2414.0	Surface SS	George Street (Greenock)	Marsh Walk	End of Road	2025	31535
3004.0	Surface AC	James Street	Hancock Road	Coghill Street	2025	104873
3174.0	Surface SS	Kernow Place	Adelaide Road (Kapunda)	Bethel Road	2025	8192
3672.0	Surface SS	Maxwell Street	Rowett Street	Stirling Street	2025	4302
3680.0	Surface SS	Maxwell Street	Mildred Street	West Terrace	2025	30156
53796.0	Surface AC	Osprey Parade	Brolga Way	Corella Avenue	2025	63257
39214.0	Surface SS	Nash Street	Wheatley Street	Mildred Street	2025	9392
5280.0	Surface SS	Stockport Road	Start of Seal	Green Road	2025	23772

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
5104.0	Surface SS	Roseworthy Road	Thiele Highway	Best Road	2025	51795
39190.0	Surface SS	Grosser Road	Start of Seal (30 m from Neldner Road)	Neldner Road	2025	1241
2700.0	Surface SS	Hart Road	Two Wells Road	End of Road	2025	13571
3112.0	Surface SS	Kalimna Road	Sturt Highway	Murray Street (Nuri)	2025	9215
4270.0	Surface SS	Pipeline Road	Research Road	333m from Research Road	2025	16093
50095.0	Surface AC	Day Court	Barkley Drive	End of Road	2025	7986
50180.0	Surface SS	Mudla Wirra Road	Start of Seal	Annie Terrace	2026	65903
3810.0	Surface AC	Morony Drive	Lange Road	End of Road	2026	39684
3720.0	Surface SS	Mendrin Road	Clancy Road	Heyworth Road	2026	18536
6107.0	Surface AC	Haesy Circuit	Leitch Road North	Leitch Road South	2026	128134
6175.0	Surface AC	Leitch Road	Haesy Circuit South	Flett Road	2026	58837
39179.0	Surface SS	Research Road	Start of Seal	Roehr Road	2026	6752
2252.0	Surface AC	Fenn Place	Parkers Road	Cul-De-Sac	2026	35238
51125.0	Surface SS	Parkers Road	Clancy Road	Kentish Road	2026	44526
1432.0	Surface SS	Best Road	John Eden Road	Sturt Highway	2026	16962
5348.0	Surface SS	Seppeltsfield Road	Gerald Roberts Road	Bend in Road	2026	52485
4268.0	Surface SS	Pipeline Road	Start of Seal	Research Road	2026	13595
5728.0	Surface SS	Truscott Street	Clare Road	Tilbrook Street	2026	14248
6170.0	Surface AC	Gray Street	Hanson Street	Croser Street	2026	243211
50123.0	Surface SS	Ronda Avenue	Arthur Road	Cliff Road	2026	38477
52003.0	Surface SS	West Terrace	Clare Road	High Street	2026	21839
51884.0	Surface SS	Gray Street	Croser Street	Thiele Highway	2026	49130
2630.0	Surface SS	Hancock Road	Main Street	Old Adelaide Road	2026	1421
2274.0	Surface AC	Finch Place	Brolga Way	End of road	2026	36833
1974.0	Surface AC	Cormorant Drive	Brolga Way	Whistler Grove	2026	86747
2124.0	Surface SS	Dunn Court	Forster Street	End of Road	2026	2325
2208.0	Surface AC	Explorer Parade	Sandpiper Way	McKinlay Drive	2026	111857
1248.0	Surface SS	Arthur Road	Ronda Avenue	Ronda Avenue	2026	8818
1224.0	Surface SS	Ann Street	George Street	Annie Terrace	2026	4788
5382.0	Surface AC	Shamrock Way	Jemalong Crescent	End of Road	2026	41616
44923.0	Surface SS	Rose Drive	Gartrell Street	400m from Gartrell Street	2026	15188
4920.0	Surface SS	Queen Street (Greenock)	Mill Street	Leopold Street	2026	8822
4290.0	Surface SS	Pratt Road	Mudla Wirra Road	Jane Terrace	2026	32264
6107.0	Kerb Renewal Estimated	Haesy Circuit, Kerb Renew - 247 m	Leitch Road North	Leitch Road South	2026	34575
5348.0	Kerb Renewal Estimated	Seppeltsfield Road, Kerb Renew - 81 m	Gerald Roberts Road	Bend in Road	2026	11338
6175.0	Kerb Renewal Estimated	Leitch Road, Kerb Renew - 128 m	Haesy Circuit South	Flett Road	2026	17917
1224.0	Kerb Renewal Estimated	Ann Street, Kerb Renew - 10 m	George Street	Annie Terrace	2026	1400
6170.0	Kerb Renewal Estimated	Gray Street, Kerb Renew - 381 m	Hanson Street	Croser Street	2026	53332
52003.0	Kerb Renewal Estimated	West Terrace, Kerb Renew - 67 m	Clare Road	High Street	2026	9379
51884.0	Kerb Renewal Estimated	Gray Street, Kerb Renew - 27 m	Croser Street	Thiele Highway	2026	3779
5728.0	Kerb Renewal Estimated	Truscott Street, Kerb Renew - 200 m	Clare Road	Tilbrook Street	2026	27996
44923.0	Kerb Renewal Estimated	Rose Drive, Kerb Renew - 209 m	Gartrell Street	400m from Gartrell Street	2026	29256
1974.0	Kerb Renewal Estimated	Cormorant Drive, Kerb Renew - 252 m	Brolga Way	Whistler Grove	2026	35275
2124.0	Kerb Renewal Estimated	Dunn Court, Kerb Renew - 31 m	Forster Street	End of Road	2026	4339

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
2208.0	Kerb Renewal Estimated	Explorer Parade, Kerb Renew - 217 m	Sandpiper Way	McKinlay Drive	2026	30376
2274.0	Kerb Renewal Estimated	Finch Place, Kerb Renew - 116 m	Brolga Way	End of road	2026	16238
4920.0	Kerb Renewal Estimated	Queen Street (Greenock), Kerb Renew - 108 m	Mill Street	Leopold Street	2026	15118
5382.0	Kerb Renewal Estimated	Shamrock Way, Kerb Renew - 91 m	Jemalong Crescent	End of Road	2026	12738
6170.0	Pavement Renewal	Gray Street	Hanson Street	Croser Street	2026	825375
5386.0	Kerb Renewal Estimated	Shamrock Way, Kerb Renew - 206 m	Gartrell Street	Jemalong Crescent	2027	28836
5142.0	Kerb Renewal Estimated	Sandpiper Way, Kerb Renew - 127 m	Jabiru Parade	Expedition Drive	2027	17777
3700.0	Kerb Renewal Estimated	Meadow Lane, Kerb Renew - 120 m	Shamrock Way	End of Road	2027	16798
3702.0	Kerb Renewal Estimated	Meaney Drive, Kerb Renew - 158 m	Shepherd Street	Hanisch Street	2027	22117
3716.0	Kerb Renewal Estimated	Mellor Place, Kerb Renew - 86 m	Johnson Road	End of Road	2027	12038
3766.0	Kerb Renewal Estimated	Montefiore Street, Kerb Renew - 233 m	Clare Road	Coghill Street	2027	32615
4694.0	Kerb Renewal Estimated	Public Road 2456, Kerb Renew - 41 m	Kingfisher Drive	Public Road	2027	5739
47977.0	Kerb Renewal Estimated	Perry Road (Kapunda), Kerb Renew - 5 m	260m from Adelaide Road	Johnson Road	2027	700
5454.0	Kerb Renewal Estimated	Songlark Grove, Kerb Renew - 340 m	Osprey Parade	Rosella Circuit	2027	47593
2362.0	Kerb Renewal Estimated	Friedrich Street, Kerb Renew - 81 m	Leske Street	Church Street	2027	11338
3512.0	Kerb Renewal Estimated	Marsh Walk, Kerb Renew - 17 m	Road Formation	Murray Street	2027	2380
3538.0	Kerb Renewal Estimated	Mary Street, Kerb Renew - 101 m	South Terrace	Strickland Street	2027	14138
3674.0	Kerb Renewal Estimated	Maxwell Street, Kerb Renew - 30 m	Stirling Street	End of Seal	2027	4199
3678.0	Kerb Renewal Estimated	Maxwell Street, Kerb Renew - 89 m	Cul-de-sac	Mildred Street	2027	12458
54480.0	Kerb Renewal Estimated	Grey Street, Kerb Renew - 77 m	Hindmarsh Street	Baker Street	2027	10778
1670.0	Kerb Renewal Estimated	High Street, Kerb Renew - 144 m	Stirling Street	Light Street	2027	20157
1394.0	Kerb Renewal Estimated	Barkey Street, Kerb Renew - 72 m	Midland Street	Queen Street	2027	10079
44236.0	Kerb Renewal Estimated	Christchurch Street, Kerb Renew - 61 m	South Terrace	125m from South Terrace	2027	8539
5614.0	Kerb Renewal Estimated	Swallow Drive, Kerb Renew - 227 m	Osprey Parade	Lorikeet Grove	2027	31775
5930.0	Kerb Renewal Estimated	Wheatley Street, Kerb Renew - 167 m	Maxwell Street	Nash Street	2027	23377
51958.0	Kerb Renewal Estimated	Oldham Street (Wasleys), Kerb Renew - 63 m	Forster Street	Jane Terrace	2027	8819
51097.0	Kerb Renewal Estimated	Old Adelaide Road, Kerb Renew - 51 m	Hancock Road	End of Cul de Sac	2027	7139
1226.0	Kerb Renewal Estimated	Annie Terrace, Kerb Renew - 292 m	Mudla Wirra Road	Harris Road	2027	40874
3776.0	Kerb Renewal Estimated	Moppa Road South, Kerb Renew - 346 m	Council Boundary	Greenock Road (Nuriootpa)	2027	48433
54022.0	Kerb Renewal Estimated	Kidman Road, Kerb Renew - 13 m	Hancock Road	Tarlee Road	2027	1820
50225.0	Kerb Renewal Estimated	Stelzer Road, Kerb Renew - 75 m	162m from Seppeltsfield Road	600.5m from Seppeltsfield Road	2027	10499
5364.0	Kerb Renewal Estimated	Seppeltsfield Road, Kerb Renew - 75 m	Samuel Road	North Para River	2027	10499
3700.0	Surface AC	Meadow Lane	Shamrock Way	End of Road	2027	36163

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
3702.0	Surface AC	Meaney Drive	Shepherd Street	Hanisch Street	2027	58263
3716.0	Surface AC	Mellor Place	Johnson Road	End of Road	2027	60383
47977.0	Surface AC	Perry Road (Kapunda)	260m from Adelaide Road	Johnson Road	2027	6087
47777.0	Surface SS	Hoffman Street	Jackman Street	End of Seal	2027	2011
3766.0	Surface AC	Montefiore Street	Clare Road	Coghill Street	2027	146024
4694.0	Surface AC	Public Road 2456	Kingfisher Drive	Public Road	2027	13330
44236.0	Surface AC	Christchurch Street	South Terrace	125m from South Terrace	2027	27107
5930.0	Surface SS	Wheatley Street	Maxwell Street	Nash Street	2027	15983
5386.0	Surface SS	Shamrock Way	Gartrell Street	Jemalong Crescent	2027	19864
5142.0	Surface AC	Sandpiper Way	Jabiru Parade	Expedition Drive	2027	50208
5454.0	Surface AC	Songlark Grove	Osprey Parade	Rosella Circuit	2027	127624
1226.0	Surface AC	Annie Terrace	Mudla Wirra Road	Harris Road	2027	384978
1394.0	Surface SS	Barkey Street	Midland Street	Queen Street	2027	4609
1670.0	Surface SS	High Street	Stirling Street	Light Street	2027	14729
2362.0	Surface SS	Friedrich Street	Leske Street	Church Street	2027	9710
51958.0	Surface SS	Oldham Street (Wasleys)	Forster Street	Jane Terrace	2027	6733
3674.0	Surface SS	Maxwell Street	Stirling Street	End of Seal	2027	6313
3678.0	Surface SS	Maxwell Street	Cul-de-sac	Mildred Street	2027	8717
54480.0	Surface SS	Grey Street	Hindmarsh Street	Baker Street	2027	9984
3512.0	Surface SS	Marsh Walk	Road Formation	Murray Street	2027	1829
3538.0	Surface SS	Mary Street	South Terrace	Strickland Street	2027	9753
51097.0	Surface SS	Old Adelaide Road	Hancock Road	End of Cul de Sac	2027	11896
5614.0	Surface AC	Swallow Drive	Osprey Parade	Lorikeet Grove	2027	109781
5032.0	Surface SS	Roennfeldt Road (Nuriootpa)	Nitschke Road	Stonewell Road	2027	49269
5364.0	Surface SS	Seppeltsfield Road	Samuel Road	North Para River	2027	26464
2482.0	Surface SS	Golf Course Road	Schulz Road	Belvidere Road	2027	57197
54022.0	Surface SS	Kidman Road	Hancock Road	Tarlee Road	2027	45638
54028.0	Surface SS	Kidman Road	176m from Trevena Road	Hancock Road	2027	7845
2842.0	Surface SS	Heyworth Road	Mendrin Road	Ends of Road	2027	19066
5828.0	Surface SS	Ward Belt Road	143m from Nottle Road	Clancy Road	2027	6395
5830.0	Surface SS	Ward Belt Road	Clancy Road	80m from Clancy Road	2027	3601
3776.0	Surface SS	Moppa Road South	Council Boundary	Greenock Road (Nuriootpa)	2027	54401
4076.0	Surface SS	Old Sturt Highway	Daveyston Road	Mattschoss Road	2027	43010
4078.0	Surface SS	Old Sturt Highway	Mattschoss Road	Sturt Highway Bridge	2027	20754
4294.0	Surface SS	Prescott Crescent	Smith Road	End of Road	2027	3045
50225.0	Surface SS	Stelzer Road	162m from Seppeltsfield Road	600.5m from Seppeltsfield Road	2027	23804
51138.0	Surface SS	Lange Road (Gawler Belt)	Level Crossing	Kentish Road	2027	21154
50112.0	Surface SS	Lange Road (Gawler Belt)	Ward Belt Road	Level Crossing	2027	24097
48698.0	Surface AC	Argent Road	405m from Thiele Highway	503m from Thiele Highway	2027	26399
5684.0	Surface SS	The Gap Road	Thiele Highway	Fords Road	2028	60242
5686.0	Surface SS	The Gap Road	Fords Road	Public Road (70)	2028	44023
4732.0	Surface SS	Roennfeldt Road (Nuriootpa)	130m from Start of Seal	Nitschke Road	2028	20224
4980.0	Surface SS	Research Road	Sturt Highway	Pipeline Road	2028	24395
4262.0	Surface SS	Pioneer Avenue	Golfinks Road	End of Road	2028	18073

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
39181.0	Surface SS	Nain Road	Start of Seal (478m from Keane Road)	End of Seal (180m from Keane Road)	2028	15782
3444.0	Surface SS	Lyndoch Road	Start of Seal	End of Seal	2028	8516
39177.0	Surface SS	Watunga Road	Truro Road	End of Seal (230m)	2028	9897
2698.0	Surface SS	Harris Road (Wasleys)	End of Seal	Templers Road	2028	1787
2084.0	Surface SS	Dixon Road	Roediger Road	End of Road	2028	7785
2480.0	Surface SS	Golf Course Road	Start of Seal	Schulz Road	2028	38131
51962.0	Surface SS	Hanisch Road	Start of Seal	Smyth Road	2028	3840
50921.0	Surface SS	Ebenezer Road	Research Road	Schneider Road	2028	43394
50922.0	Surface SS	Ebenezer Road	Schneider Road	Sturt Highway	2028	30187
51124.0	Surface SS	Parkers Road	858m from Nottle Road	Clancy Road	2028	6718
39202.0	Surface SS	Jenke Road	Start of Seal (150m from Stonewell Road)	Stonewell Road	2028	6256
50238.0	Surface SS	Templers Road	Harris Road	Bode Road	2028	131447
51965.0	Surface SS	Roseworthy Road	613m from Faehse Road	Thiele Highway	2028	3072
50240.0	Surface SS	Templers Road	Walladge Road	Owen Road	2028	52530
39200.0	Surface AC	Coghill Street	Dutton Park	Montefiore Street	2028	14032
53319.0	Surface SS	Hancock Road	770m from Old Adelaide Road	1203m from Old Adelaide Road	2028	26371
3370.0	Surface SS	Light Street	South Terrace	High Street	2028	14078
52004.0	Surface SS	West Terrace	High Street	Maxwell Street	2028	13759
1806.0	Surface AC	Carpentaria Way	Oaklands Circuit	Providence Boulevard	2028	99879
2612.0	Surface SS	Hakea Place	Fiddlewood Drive	End of road	2028	1413
2964.0	Surface AC	Ibis Mews	Sandpiper Way	End of Road	2028	22387
2066.0	Surface AC	Denison Court	Explorer Parade	'T' Head Cul-de- Sac	2028	29540
1714.0	Surface AC	Brolga Way	Quail Close	Osprey Parade	2028	73666
5998.0	Surface AC	Wills Way	Expedition Drive	End of Road	2028	28484
45101.0	Surface AC	Borrow Street (Freeling)	Clarke Street	95m from Clarke Street	2028	34241
47771.0	Surface SS	Jackman Street	Bevan Street	End of Kerb	2028	4379
47773.0	Surface SS	Jackman Street	End of Kerb	Sophia Street	2028	7251
47775.0	Surface SS	Jackman Street	Sophia Street	Branson Road	2028	17315
45108.0	Surface AC	Borrow Street (Freeling)	Rogers Street	Anders Street	2028	21626
4306.0	Surface AC	Providence Boulevard	Carpentaria Way	Burke Parade	2028	27374
47757.0	Surface SS	Victor Road	Greenock Road	Floodway	2028	26785
52004.0	Kerb Renewal Estimated	West Terrace, Kerb Renew - 147 m	High Street	Maxwell Street	2028	20577
39200.0	Kerb Renewal Estimated	Coghill Street, Kerb Renew - 30 m	Dutton Park	Montefiore Street	2028	4199
5998.0	Kerb Renewal Estimated	Wills Way, Kerb Renew - 88 m	Expedition Drive	End of Road	2028	12318
47771.0	Kerb Renewal Estimated	Jackman Street, Kerb Renew - 52 m	Bevan Street	End of Kerb	2028	7279
47775.0	Kerb Renewal Estimated	Jackman Street, Kerb Renew - 104 m	Sophia Street	Branson Road	2028	14558
45101.0	Kerb Renewal Estimated	Borrow Street (Freeling), Kerb Renew - 49 m	Clarke Street	95m from Clarke Street	2028	6859
45108.0	Kerb Renewal Estimated	Borrow Street (Freeling), Kerb Renew - 38 m	Rogers Street	Anders Street	2028	5319
1714.0	Kerb Renewal Estimated	Brolga Way, Kerb Renew - 192 m	Quail Close	Osprey Parade	2028	26876
2066.0	Kerb Renewal Estimated	Denison Court, Kerb Renew - 92 m	Explorer Parade	'T' Head Cul-de- Sac	2028	12878
3370.0	Kerb Renewal Estimated	Light Street, Kerb Renew - 147 m	South Terrace	High Street	2028	20577

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
1806.0	Kerb Renewal Estimated	Carpentaria Way, Kerb Renew - 273 m	Oaklands Circuit	Providence Boulevard	2028	38215
2612.0	Kerb Renewal Estimated	Hakea Place, Kerb Renew - 22 m	Fiddlewood Drive	End of road	2028	3080
2964.0	Kerb Renewal Estimated	Ibis Mews, Kerb Renew - 81 m	Sandpiper Way	End of Road	2028	11338
4306.0	Kerb Renewal Estimated	Providence Boulevard, Kerb Renew - 75 m	Carpentaria Way	Burke Parade	2028	10499
47757.0	Kerb Renewal Estimated	Victor Road, Kerb Renew - 103 m	Greenock Road	Floodway	2028	14418
4116.0	Kerb Renewal Estimated	Osprey Parade, Kerb Renew - 81 m	Falcon Drive	Kingfisher Drive	2029	11338
2936.0	Kerb Renewal Estimated	Honour Court, Kerb Renew - 48 m	Explorer Parade	End of Road	2029	6719
2132.0	Kerb Renewal Estimated	Eagle Court, Kerb Renew - 88 m	Falcon Drive	Cul-de-Sac	2029	12318
2174.0	Kerb Renewal Estimated	Egret Place, Kerb Renew - 135 m	Goldfinch Way	Plover Court	2029	18897
1968.0	Kerb Renewal Estimated	Compass Court, Kerb Renew - 34 m	Expedition Drive	End of Road	2029	4759
1744.0	Kerb Renewal Estimated	Burke Parade, Kerb Renew - 266 m	Explorer Parade	Providence Boulevard	2029	37235
45063.0	Kerb Renewal Estimated	Nash Street, Kerb Renew - 70 m	Mildred Street	Shannon Street	2029	9799
44162.0	Kerb Renewal Estimated	Light Road (Freeling), Kerb Renew - 58 m	Borrow Street	120m from Borrow Street	2029	8119
4198.0	Kerb Renewal Estimated	Perseverance Place, Kerb Renew - 99 m	Explorer Parade	'T' Head Cul-de-Sac	2029	13858
1618.0	Kerb Renewal Estimated	Bray Court, Kerb Renew - 207 m	Redbanks Road	End of Road	2029	28976
51995.0	Kerb Renewal Estimated	Seppeltsfield Road, Kerb Renew - 70 m	Liebig Road	Samuel Road	2029	9799
52043.0	Kerb Renewal Estimated	Samuel Road, Kerb Renew - 72 m	Liebig Road	Seppeltsfield Road	2029	10079
4116.0	Surface AC	Osprey Parade	Falcon Drive	Kingfisher Drive	2029	44429
47470.0	Surface AC	Henry Turton Circuit	339m from Ridley Court (clockwise)	599m from Ridley Court	2029	58040
45063.0	Surface AC	Nash Street	Mildred Street	Shannon Street	2029	43708
44162.0	Surface AC	Light Road (Freeling)	Borrow Street	120m from Borrow Street	2029	26788
1744.0	Surface AC	Burke Parade	Explorer Parade	Providence Boulevard	2029	95255
2132.0	Surface AC	Eagle Court	Falcon Drive	Cul-de-Sac	2029	32623
2174.0	Surface AC	Egret Place	Goldfinch Way	Plover Court	2029	42286
1968.0	Surface AC	Compass Court	Expedition Drive	End of Road	2029	9618
2936.0	Surface AC	Honour Court	Explorer Parade	End of Road	2029	17144
4198.0	Surface AC	Perseverance Place	Explorer Parade	'T' Head Cul-de-Sac	2029	35561
51995.0	Surface SS	Seppeltsfield Road	Liebig Road	Samuel Road	2029	23623
52041.0	Surface SS	Samuel Road	625m from Tolley Road	Liebig Road	2029	29764
52043.0	Surface SS	Samuel Road	Liebig Road	Seppeltsfield Road	2029	60359
50239.0	Surface SS	Templers Road	Bode Road	Walladge Road	2029	75369
54863.0	Surface SS	Twartz Road	1215m from Kangaroo Flat Road	1268m from Kangaroo Flat Road	2029	2807
1460.0	Surface SS	Bethel Road	604.25m from Fords Road	757.25m from Fords Road	2029	7293
1618.0	Surface AC	Bray Court	Redbanks Road	End of Road	2029	61803
3452.0	Surface SS	Lyndoch Road	Start of Seal (607.5m from Hentschke Road)	End of Seal (807.5m from Hentschke Road)	2029	8871
6168.0	Surface SS	Mattiske Road (Tanunda)	Stonewell Road	635m from Stonewell Road	2029	30267

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
4272.0	Surface AC	Pipeline Road	333m from Research Road	Sturt Highway	2030	11002
50178.0	Surface AC	Barkley Drive	Kerr Road	Day Court	2030	36482
50179.0	Surface AC	Barkley Drive	Day Court	End of Road	2030	43944
2296.0	Surface AC	Flett Road	Roseworthy Road	End of Seal	2030	195868
3110.0	Surface SS	Kalimna Road West	Belividere Road	Sturt Highway	2030	29823
52039.0	Surface AC	Samuel Road	466m from Tolley Road	625m from Tolley Road	2030	48260
52919.0	Surface AC	Roseworthy Road	476.45m from Flett Road	529.45m from Flett Road	2030	15483
54108.0	Surface AC	Mudla Wirra Road	College Road	Redbanks Road	2030	404865
47436.0	Surface AC	Roseworthy Road	529.45m from Flett Road	Faehse Road	2030	197296
47437.0	Surface AC	Roseworthy Road	Faehse Road	263m from Faehse Road	2030	80824
52037.0	Surface SS	Samuel Road	211m from Tolley Road	466m from Tolley Road	2030	13505
50086.0	Surface SS	Weichert Road	Start of Seal	End of Seal	2030	5820
50097.0	Surface SS	Presser Road	662m from Grocke Road	784m from Grocke Road	2030	5653
51991.0	Surface SS	Seppeltsfield Road	Adelaide Road (Greenock)	Hempel Road	2030	54028
51992.0	Surface SS	Seppeltsfield Road	Hempel Road	Gerald Roberts Road	2030	58444
51993.0	Surface SS	Seppeltsfield Road	Stonewell Road	Liebig Road	2030	66994
51021.0	Surface AC	Old Adelaide Road	Bethel Road	Hancock Road	2030	211622
3168.0	Surface AC	Kernich Road (Freeling)	Templers Road	Stockport Road	2030	66395
3696.0	Surface AC	McKinlay Drive	Murray Road	Explorer Parade	2030	38746
2262.0	Surface AC	Fiddlewood Drive	Heinrich Road (anti-clockwise)	Heinrich Road	2030	315080
2196.0	Surface AC	Expedition Drive	Explorer Parade	End of Road	2030	88782
1652.0	Surface AC	Gawler Street	Montefiore Street	52m from Montefiore Street	2030	11276
6144.0	Surface AC	Lorikeet Grove (West)	Lorikeet Grove	End of Road	2030	4385
5794.0	Surface AC	Vintage Way	Barkey Street	End of Road	2030	35347
45109.0	Surface AC	Borrow Street (Freeling)	Anders Street	Shepherd Street	2030	72845
4696.0	Surface AC	Public Road 2150	Kingfisher Drive	End of Road	2030	10208
4700.0	Surface AC	Public Road 2149	Kingfisher Dr (Nth)	Kingfisher Dr (Sth)	2030	61937
47974.0	Surface AC	Johnson Road	Perry Road	150m from Perry Road	2030	44965
2296.0	Kerb Renewal Estimated	Flett Road, Kerb Renew - 423 m	Roseworthy Road	End of Seal	2030	59212
47436.0	Kerb Renewal Estimated	Roseworthy Road, Kerb Renew - 9 m	529.45m from Flett Road	Faehse Road	2030	1260
52919.0	Kerb Renewal Estimated	Roseworthy Road, Kerb Renew - 17 m	476.45m from Flett Road	529.45m from Flett Road	2030	2380
50178.0	Kerb Renewal Estimated	Barkley Drive, Kerb Renew - 116 m	Kerr Road	Day Court	2030	16238
50179.0	Kerb Renewal Estimated	Barkley Drive, Kerb Renew - 140 m	Day Court	End of Road	2030	19597
51021.0	Kerb Renewal Estimated	Old Adelaide Road, Kerb Renew - 493 m	Bethel Road	Hancock Road	2030	69010
6144.0	Kerb Renewal Estimated	Lorikeet Grove (West), Kerb Renew - 12 m	Lorikeet Grove	End of Road	2030	1680
5794.0	Kerb Renewal Estimated	Vintage Way, Kerb Renew - 90 m	Barkey Street	End of Road	2030	12598
45109.0	Kerb Renewal Estimated	Borrow Street (Freeling), Kerb Renew - 120 m	Anders Street	Shepherd Street	2030	16798
47974.0	Kerb Renewal Estimated	Johnson Road, Kerb Renew - 76 m	Perry Road	150m from Perry Road	2030	10638

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
1652.0	Kerb Renewal Estimated	Gawler Street, Kerb Renew - 27 m	Montefiore Street	52m from Montefiore Street	2030	3779
2196.0	Kerb Renewal Estimated	Expedition Drive, Kerb Renew - 232 m	Explorer Parade	End of Road	2030	32475
2262.0	Kerb Renewal Estimated	Fiddlewood Drive, Kerb Renew - 763 m	Heinrich Road (anti-clockwise)	Heinrich Road	2030	106805
3696.0	Kerb Renewal Estimated	McKinlay Drive, Kerb Renew - 80 m	Murray Road	Explorer Parade	2030	11198
4696.0	Kerb Renewal Estimated	Public Road 2150, Kerb Renew - 25 m	Kingfisher Drive	End of Road	2030	3499
4700.0	Kerb Renewal Estimated	Public Road 2149, Kerb Renew - 69 m	Kingfisher Dr (Nth)	Kingfisher Dr (Sth)	2030	9659
5416.0	Kerb Renewal Estimated	Shrike Place, Kerb Renew - 143 m	Kingfisher Drive	End of Roads	2031	20017
53507.0	Kerb Renewal Estimated	Quail Close, Kerb Renew - 56 m	Brolga Way	End of road	2031	7839
2234.0	Kerb Renewal Estimated	Falcon Drive, Kerb Renew - 199 m	Osprey Parade (West)	Osprey Parade (East)	2031	27856
2080.0	Kerb Renewal Estimated	Discovery Court, Kerb Renew - 76 m	McKinlay Drive	'T' Head Cul-de- Sac	2031	10638
45110.0	Kerb Renewal Estimated	Borrow Street (Freeling), Kerb Renew - 255 m	Shepherd Street	522 m from Shepherd Street	2031	35695
45107.0	Kerb Renewal Estimated	Borrow Street (Freeling), Kerb Renew - 25 m	95m from Clarke Street	Rogers Street	2031	3499
44843.0	Kerb Renewal Estimated	Jeffs Street, Kerb Renew - 143 m	South Terrace	Crane Street	2031	20017
5778.0	Kerb Renewal Estimated	View Street, Kerb Renew - 88 m	Hanson Street	Stollberg Road	2031	12318
6236.0	Kerb Renewal Estimated	Roche Street, Kerb Renew - 149 m	View Street	Stollberg Road	2031	20857
51972.0	Kerb Renewal Estimated	Jane Place, Kerb Renew - 63 m	Presser Road	North Para River	2031	8819
50920.0	Kerb Renewal Estimated	Ahrens Road, Kerb Renew - 10 m	Sturt Highway	End of Seal	2031	1400
51885.0	Kerb Renewal Estimated	Jane Terrace, Kerb Renew - 39 m	Annie Terrace	Pratt Road	2031	5459
45110.0	Surface AC	Borrow Street (Freeling)	Shepherd Street	522 m from Shepherd Street	2031	138633
45107.0	Surface AC	Borrow Street (Freeling)	95m from Clarke Street	Rogers Street	2031	13943
44843.0	Surface AC	Jeffs Street	South Terrace	Crane Street	2031	54723
5416.0	Surface AC	Shrike Place	Kingfisher Drive	End of Roads	2031	50495
2234.0	Surface AC	Falcon Drive	Osprey Parade (West)	Osprey Parade (East)	2031	97309
2080.0	Surface AC	Discovery Court	McKinlay Drive	'T' Head Cul-de- Sac	2031	19421
53317.0	Surface AC	Hancock Road	Old Adelaide Road	770m from Old Adelaide Road	2031	297981
53507.0	Surface AC	Quail Close	Brolga Way	End of road	2031	16251
6236.0	Surface AC	Roche Street	View Street	Stollberg Road	2031	61978
5778.0	Surface AC	View Street	Hanson Street	Stollberg Road	2031	69801
50102.0	Surface SS	Tolley Road	785m from Sir Condor Laucke Way	Samuel Road	2031	9044
52032.0	Surface SS	Samuel Road	Tolley Road	113m from Tolley Road	2031	5984
52015.0	Surface SS	Presser Road	784m from Grocke Road	964m from Grocke Road	2031	8460
50920.0	Surface SS	Ahrens Road	Sturt Highway	End of Seal	2031	17874
51955.0	Surface SS	Booker Road	Start of Seal	End of Seal	2031	6256
3440.0	Surface SS	Lyndoch Road	110m from Gomersal Road	Schmaal Road	2031	36015
53044.0	Surface SS	Roennfeldt Road (Nuriootpa)	Start of Seal	130m from Start of Seal	2031	5594
51885.0	Surface SS	Jane Terrace	Annie Terrace	Pratt Road	2031	22365

Asset ID	Category	Asset Name	From	To	Forecast Renewal Year	Renewal Cost
52019.0	Surface AC	Presser Road	964m from Grocke Road	999 from Grocke Road	2031	8929
51972.0	Surface AC	Jane Place	Presser Road	North Para River	2031	57402
4688.0	Surface AC	Public Road 1578	Borrow Street	End of Seal	2031	27744

Appendix E

Disposal Summary

No disposal are planned for assets included in this plan

Appendix F Budget Summary by Lifecycle Activity

Table F1 – Budget Summary by Lifecycle Activity

Year	Acquisition	Operation	Maintenance	Renewal	Disposal	Total
2021	255,268	435,631	730,024	2,658,338		4,079,261
2022	250,000	435,631	730,024	3,029,918		4,445,573
2023	154,000	435,631	730,024	3,213,666		4,533,321
2024	240,000	435,631	730,024	3,217,607		4,623,262
2025	1,238,177	435,631	730,024	4,251,191		6,655,023
2026	2,213,158	435,631	730,024	3,471,995		6,850,808
2027	1,721,141	435,631	730,024	4,767,227		7,654,023
2028	1,837,093	435,631	730,024	4,577,170		7,579,918
2029	1,055,108	435,631	730,024	5,272,182		7,492,945
2030	1,054,912	435,631	730,024	5,602,649		7,823,216