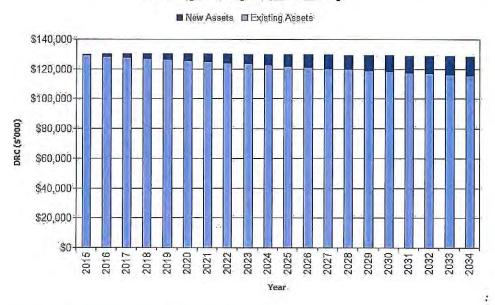
Figure 11 Projected Depreciated Replacement Cost

Northern Midlands - Projected Depreciated Replacement Cost (Transport_S1_V1)



6.4 Key Assumptions made in Financial Forecasts

This section details the key assumptions made in presenting the information contained in this asset management plan and in preparing forecasts of required operating and capital expenditure and asset values, depreciation expense and carrying amount estimates. It is presented to enable readers to gain an understanding of the levels of confidence in the data behind the financial forecasts.

Key assumptions made in this asset management plan and risks that these may change are shown in Table 6.4.

Table 6.4: Key Assumptions made in AM Plan and Risks of Change

Key Assumptions	Risks of Change to Assumptions
Average population growth over the planning period to be 0.5% $$	Higher population growth may lead to greater property subdivision activity resulting in higher future maintenance and renewal costs for Council
Population density to remain reasonably stable	Lower future population density could lead to greater property subdivision activity resulting in higher future maintenance and renewal costs for Council
Asset construction costs to remain stable in real (current dollar) terms	If asset construction costs rise faster than the general rate of inflation, then Council's projected future asset renewal costs will be higher than indicated by this plan.

6.5 Forecast Reliability and Confidence

The expenditure and valuations projections in this AM Plan are based on best available data. Currency and accuracy of data is critical to effective asset and financial management. Data confidence is classified on a 5 level scale¹⁰ in accordance with Table 6.5.

Table 6.5: Data Confidence Grading System

Confidence Grade	Description
A Highly reliable	Data based on sound records, procedures, investigations and analysis, documented properly and recognised as the best method of assessment. Dataset is complete and estimated to be accurate ± 2%
B Reliable	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 ± 10%
C Uncertain	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 ± 25%
D Very Uncertain	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 ± 40%
E Unknown	None or very little data held.

The estimated confidence level for and reliability of data used in this AM Plan is shown in Table 6.5.1,

Table 6.5.1: Data Confidence Assessment for Data used in AM Plan

Data	Confidence Assessment	Comment
Demand drivers	Reliable	
Growth projections	Reliable	
Operations expenditures	Reliable	Comparable to long term average actual costs, little variance except for added staff resources
Maintenance expenditures	Reliable	Comparable to long term average actual costs
Projected Renewal exps. - Asset values	Reliable	Standard unit costs based on current pricing and checked to recent capital projects
- Asset residual values	Reliable	Unit costs based on current pricing and compared by other councils by independent expert
- Asset useful lives	Reliable	
- Condition modelling	Reliable	Condition assessments by independent expert undertaken in 5 year intervals and trends compare with visual checking.
- Network renewals	Reliable	Based on condition assessments
- Defect repairs	Reliable	Inspection program assists to manage
Upgrade/New expenditures	Reliable	10 Year program based on condition assessment and visual checking of assessment
Disposal expenditures	Reliable	

Over all data sources the data confidence is assessed as reasonable confidence level for data used in the preparation of this AM Plan.

¹⁰ IPWEA, 2011, IIMM, Table 2.4.6, p 2 | 59.

7. PLAN IMPROVEMENT AND MONITORING

7.1 Status of Asset Management Practices

7.1.1 Accounting and financial systems

Northern Midlands Council currently has four software systems utilised for managing asset data. These are: Technology One 'ECM' Customer Request System; Open Office 'Community - Finesse' Financial System; Intramaps - Geographic Information System for electronic mapping; and 'Moloney Asset Management' System for data storage and asset registers. These four systems contribute to the overall management of the long term planning of its infrastructure assets in order to:

- Know what and where its assets are;
- Know their condition;
- Establish suitable operational, maintenance and renewal regimes to suit the assets and level of services required of them by present and future customers;
- Establish asset function and asset maintenance to meet the needs of the present and future customers;
- Review maintenance practices and optimising operational procedures;
- Implement management strategies for resources and work programs;
- Improve risk management techniques; and
- Identify the true cost of operations and maintenance and predict future capital investments and maintenance expenditure required to optimise the asset function and lifecycle.

The Moloney Asset Management System is not linked to the accounting system, however it is constantly reconciled to the Finesse system.

The ongoing responsibility of the Asset Management system is primarily that of the Asset Management Officer, including the annual valuation adjustments, upkeep of the existing and new/acquired assets, and depreciation calculations of the assets.

Accounting standards and regulations

Council is required to prepare its annual financial report in accordance with Australian Accounting Standards and other authoritative pronouncements of the Australian Accounting Standards Board and the Local Government Act 1993 (as amended).

AASB 116 Property, plant and equipment, AASB 136 Impairment of Assets, AASB 140 Investment Property and AASB 5 Non-current Assets held for Sale and Discontinued Operations are applied when preparing council's annual financial statements.

The cost method of accounting is used for the initial recording of all assets acquired. Cost is determined as the fair value of the assets given as consideration plus cost incidental to the acquisition including architects fees, engineering design fees, consulting fees, administration charges and all other costs incurred in getting the assets ready for use. In addition the cost of non-current assets constructed by Council, 'cost' includes all material used in construction, direct labour used on the project and an appropriate proportion of overheads.

Non-monetary assets received in the form of grants and donations are recognised as assets and revenues at their fair value at the date of receipt. Fair value means the amount for which an asset could be exchanged between knowledgeable, willing parties in an arm's length transaction.

Capital/maintenance threshold

Generally maintenance, repair costs and minor renewals are charged as expenditure when incurred unless the total value exceeds 10% of the assets written down value or increase the economic life by more than 10%. Road reseals, reconstructions, and resheeting are capitalised. Road shouldering, roadside drainage and hotmix patching are expensed.

Expenditure is capitalised when it provides a future economic benefits which extends beyond one year and can be measured reliably. The following limits apply to the recognition of the acquisition of new assets:

Table 7.1.1: Limits to the recognition of the acquisition of new assets

Asset Class	Capitalisation Threshold
Road Infrastructure	\$5,000
Bridges	\$5,000
Stormwater infrastructure	\$5,000
Buildings	\$5,000
Heritage	\$1,000
Land	Nil
Land Under Roads	Nil
Flood Levee Infrastructure	\$5,000
Office Furniture and Equipment	\$1,000
Fleet	\$1,000
Minor Plant	\$1,000

7.1.2 Asset management system guidelines

The asset management policies and references used by Northern Midlands Council include:

- Northern Midlands Asset Management Policy March 2016
- Northern Midlands Asset Management Strategy March 2016
- International Infrastructure Management Manual, Association of Local Government
- Australian Infrastructure Financial Management Guidelines

Linkage from asset management to financial system

The key information flows into this asset management plan are:

- The asset register data on size, age, value, remaining life of the network;
- The unit rates for categories of work/material;
- The adopted service levels;
- Projections of various factors affecting future demand for services;
- Correlations between maintenance and renewal, including decay models;
- Data on new assets acquired by council.

The key information flows from this asset management plan are:

- The assumed Works Program and trends;
- The resulting budget, valuation and depreciation projections;
- The useful life analysis.

These will impact the Long Term Financial Plan, Strategic Plan, annual budget and departmental business plans and budgets.

One of the essential aspects of asset management is to maintain data records to ensure that they are up to date and accurate. Asset Managers are responsible for updating and maintaining the asset data to meet the organisations operational and financial requirements in delivering efficient and effective asset management.

7.2 Improvement Plan

The asset management improvement plan generated from this asset management plan is shown in Table 7.2.

Table 7.2: Improvement Plan

Task No	Task	Responsibility	Resources Required	Timeline
1	Review depreciable lives of asset categories for better understanding and confidence of intervention levels			
2	Review data collection and recording of street furniture asset class			
3	Review capital works priority assessment criteria			
4	Improve and automate the data collection process			
5	Undertake revaluation earlier in each financial period			
6				
7			11 1 1 1 1	
8				
9			1.1	
10				

7.3 Monitoring and Review Procedures

This asset management plan will be reviewed during annual budget planning processes and amended to recognise any material changes in service levels and/or resources available to provide those services as a result of budget decisions.

The AM Plan will be updated annually to ensure it represents the current service level, asset values, projected operations, maintenance, capital renewal and replacement, capital upgrade/new and asset disposal expenditures and projected expenditure values incorporated into the organisation's long term financial plan.

The AM Plan has a life of 4 years (Council election cycle) and is due for complete revision and updating within 12 months of each Council election.

7.4 Performance Measures

The effectiveness of the asset management plan can be measured in the following ways:

- The degree to which the required projected expenditures identified in this asset management plan are incorporated into Council's long term financial plan,
- The degree to which 1-5 year detailed works programs, budgets, business plans and organisational structures take into account the 'global' works program trends provided by the asset management plan,
- The degree to which the existing and projected service levels and service consequences (what we cannot do), risks and residual risks are incorporated into the Council's Strategic Plan and associated plans,
- . The Asset Renewal Funding Ratio achieving the target of 1.0.

8. REFERENCES

- IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/llmm
- IPWEA, 2008, 'NAMS.PLUS Asset Management', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/namsplus.
- IPWEA, 2009, 'Australian Infrastructure Financial Management Guidelines', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/AIFMG.
- IPWEA, 2011, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/IIMM

Sample Council, 'Strategic Plan 20XX - 20XX',

Sample Council, 'Annual Plan and Budget'.

9. APPENDICES

Appendix A Projected 10 year Capital Renewal and Replacement Works Program Projected 10 year Capital Upgrade/New Works Program Appendix B Appendix C LTFP Budgeted Expenditures Accommodated in AM Plan Appendix D Planned Expenditure for LTFP - in old doc Appendix E Road Hierarchy and Target Design Standards Appendix F Inspection Requirements Appendix G Defect Tolerance levels Appendix H Risk Assessment Appendix I Projected Capital Works -- Road Pavement & Seal Improvement program (based on age, condition, & visual assessment) - Footpath Improvement Program - Bridge Improvement Program Appendix J Road Map Appendix K Road Project Business Case (Draft) Appendix L Abbreviations Appendix M Glossary

-52-

20	\$3,955	2011	A	End	End of Scal	Bedford St	Unsealed Payement	1127
18	\$41,880	2011	A	21.9 Old Storys Ck Rd	Bridge - Storys Ck Bridge	Story's Creek Rd	562	1190
100	\$20,160	2011	4	Rossarden Rd	21.9 Old Storys Ck Rd	Story's Creek Rd	Seal	1191
品	\$10,566	2011	4	End	Stockmans Rd	Ploughmans Crt	Seal	1017
18	\$2,674	2011	A	End RH K&C	Stock Route	Main St Cressy	Seal	802
25	\$13,350	2010	Ġ	11,8 Evenville	00 Lake Leake	Long Marsh	Unsealed Pavement	737
25	\$21,200	2010	វ៉ា	Continto Forest	Yelleena	Lakeview Rd	Unsealed Pavement	676
100	\$16,224	2010	Ġ,	Bridge - Storys Ck Bridge	19.87 Bridge Seal	Story's Creek Rd	Seal	5811
99	\$15,600	2010	ů	Pedder St	Seal Change	West St Campb. T	Pavement	1368
16	122,13	2009	Ġ	Howick St	Geoderich St	Gay St	Seal	1573
90	\$20,740	2009	ó	Seal Change	Saundridge St	The Stock Route	Paventent	1208
90	\$145,200	2009	å	Start K&C	Bend Right	Conara Rd	Pavenient	307
90	\$8,654	2009	Ď	Franklin	Start of Seal	Bedford St	Pavement	109
20	\$1,888	2008	-7	Railway X-ing	Grant St	Clare St	Unsealed Pavement	1567
70	\$251,100	2007	ďα	Loading Ramp	00 Cressy Main Rd	Wilmores La	Pavement	1400
70	\$149,250	2007	to.	Seal Change	Seal-Change	Tooms Lake Rd	Pavement	1219
70	\$216,975	2007	Ĉο	Seal Change	Seal Change	Tooms Lake Rd	Pavement	1218
90	\$43,240	2007	60	Bridge	High	Bond St Ross	Pavement	160
30	\$36,000	2007	ć	77	Snow Creek	Snow Hill Road	Bridge	2150
30	\$90,600	2007	rio	TC	Macquarle River	Powranna Road	Bridge	3177
30	\$1,850,000	2007	Ċ	-1	Macquarie River	Powranna Road	Bridge	2030
30	\$58,500	2007	ća	TC	Un-named Creek	Bridge Street	Bridge	5241
70	\$153,675	2005	10	Seal Change	00 Poatina Hwy	Macquarle River Rd	Pavement	774
80	\$161,160	2004	-11	Seat Change	00 Maguarie River Rd	Delmont	Pavement	364
70	\$17,526	2004	1	Levey Bank	Union St	Abel Tasman Av.	Footpath	13
80	\$69,300	2003	12	Seal Change	00 Midlands Hwy	Bellevue	Pavement	116
90	\$137,592	1994	-21	Leake,St	M'Lands H'Way	New St Campb. T	Pavement	923
80	\$6,600	1991	-24	Bond St	Church St	High St Ross	Kerb	562.1
80	\$101,400	1980	35	Bridge - Storys Ck Bridge	19.87 Bridge Seal	Story's Creek Rd	Pavement	1189
90	\$26,928	1976	-39	Howick St	Geoderich St	32 Yea	Pavement	1573
(Years	(\$)	Year	(Years)					
Life	Cost	Renewal	Life	7	From	Asset Name	Category	Asset ID
Useful	Renewal	Rem Planned	Rem				dug	

b	28,000	ZULA	4	DEMENSARY	ON SHALLON	NI STORY NO	CHRESION LAVESTICAT	000
13	\$16,450	2014	Å	Old Data Segment	00 Midlands Hwy	Forest Hall	Unsealed Pavement	448
18	\$1,300	2014	4	Pedder St	Seal Change	West St Campb. T	Seal	1368
30	\$1,419	2014	4	End of Seal	Logan Rd	U/N Rd Evandate	Seal	1529
16	\$4,368	2014	j.	Bond	Chiswick Rd	The Boulevards Pt 1	Seal	1205
18	\$34,384	2014	2.	Merrywood	00 St Pauls SBL	Royal George	Seal	1095
15	\$2,798	2014	A	End of Seal	Badajos St Fence Uno	Nivelle St	Seal	951
18	\$18,096	2014	4	Chatsworth	00 William St	Mariborough St Longford	Seal	849
18	\$2,916	2014	4	End of Seal	Bridge St South	Broad St.	Seal	198
13	\$1,640	2014	ř	Seal Change	Broad St	Bridge St South	Seal	195
18	\$2,774	2014	Å	Broad St	Adelaide St	Bridge St South	Sepi	194
16	\$7,455	2014	4	Bond	Pedder St	Bridge St Campb T	Seal	182
80	\$267,300	2014	<u>,,</u>	Culvert	Pole No 161	Rossorden Rd	Paventent	1071
80	\$4,400	2014	4	Junction	High St	Russell St Extra Kerb	Kerb	1598.1
80	\$9,240	2014	Š	Schell St	OD Story Ck	Rossarden Rd	Kerb	1069.3
80	\$16,610	2014	4	EBL Churchill	Gray	Falmouth St	Kerb	442.4
80	\$27,500	2014	4	Falmouth	St Pauls PI NBL	Churchill St	Kerb	281.2
100	\$7,130	2014	ř	Change	Pultney St	BurnettiSt	Kerb	232.4
18	\$4,232	2013	ć,	M'Lands H'Way	Start of Seal	West St Campb. T	Seal	1364
20	\$2,177	2013	ń	Seal Change	Midlands Hwy	Torlesse St	Seal	1260
20	\$1,909	2013	2	Russell	Macquarie	Rodgers-La	Seal	1058
18	\$12,636	2013	ń	Leake St	M'Lands H'Way	New St Campb. T	Seal	923
18	519,459	2013	i	Ends at Lake	Lake Leake Rd	Kalangardoo Rd	Seal	634
20	\$10,881	2013	2	Queen	King	Bridge St Campb T	Seal	177
18	\$1,934	2013	N	Bridge	Seal Change	Bridge Access Rd	Seal	1496
18	\$5,376	2013	Ď	Falmouth	St Pauls PI NBL	Blenhiem St	Seal	152
30	\$31,450	2013	2	Seal Change	Cambock East	Barclay St	Seal	91
30	\$11,201	2012	ů	Change	Williands H'Way	Elizabeth Crt	Seal	398
16	\$1,971	2012	بئا	Midlands Hwy	Church	Bridge St Campb T	Seal	180
18	\$768	2012	ú	Seal Change	Adelaide SBL	Adelaide St	Seal	4.
80	\$251,750	2012	to	21.9 Old Storys Ck Rd	Bridge - Storys Ck Bridge	Story's Creek Rd	Pavement	1190
60	\$124,080	2012	ů,	Home Int.	Seal Change	Eskiey Perth Nursing Home Rd	Pavement	421
80	\$113,025	2012	ů,	Seal Change	OD Maquaria River Rd	Delmont	Pavement	361
20	\$2,976	2011	4	Waterloo St	End of Seal	Wellington St Ross	Unsealed Pavement	1524
20	\$91,350	2011	Ł	End	Cattle Grid	Tunbridge Lane	Unscaled Pavement	1284
20	\$1,260	2011	A	End of Pavement	Waterloo St	Portugal St	Unscaled Pavement	1020
20	\$2,250	2011	4	Catherine St	Burghley St	Lewis St West	Unscaled Pavement	623
(Years)	(\$)	Year	(Years)					
Life	1503	Renewal	une	15	From	Asset Name	Category	ASSEL ID
Useful	Renewal	Planned	Rem				Sub	

	Sub				Rem	Planned	Rem Planned Renewal	Useful
Asset ID	Category	Asset Name	From	То	Ufe	Renewal	Cost	Life
					(Years)	Year	(5)	(Years)
675	Unsealed Pavement	Lakeview Rd	Gate	Yelleena	Ļ	2014	\$4,000	25
732	Unsealed Pavement	tong Marsh	00 Lake Leake	Pave Change	4	2014	\$32,000	C.
1203	Unsealed Pavement	Tasman St Pt 2	Waterloo St	Gate	4	2014	\$4,020	22
1525	Unscaled Pavement	Waterloo St	Wellington St	Portugal St	Á	2014	\$3,990	20
310	Pavement	Conara Rd	Gate	End	0	2015	\$31,440	90
107	Seal	Beaufront St	Bridge St EQS	Bond St EOS	0	2015	\$4,512	18
110	Seal	Bedford St	Franklin	Payament Change	0	2015	\$3,485	18
111	Seal	Bedford St	Montagu	End of Seal	0	2015	\$4,858	18
115	Seal	Belleytre	Of Midlands Hwy	Seal Change	0	2015	\$24,525	18
267	Seal	Chiswick Rd Ross Access	OD Midlands Hwy	The Boulevards	0	2015	\$28,930	100
275	Seal	Church St Pt 2	Glenelg St	West St	0	2015	\$24,684	20
438	Seal	Falls Crt	Logan Rd	End	D	2015	\$4,752	30
492	Seal	Glenelg St	Pedder St BOK	Church	0	2015	\$10,132	20
774	Seal	Macquarle River Rd	00 Poatina Hwy	Seal Change	0	2015	\$13,363	15
786	Seal	Macquarie St Cressy	Condition Change	Seal Change	0	2015	\$15,493	30
852	Seal	Mason St Campb T	Leake 5t	Midlands Hwy	0	2015	\$4,956	18
855	Seal	Merrywood	00 Royal George Rd	End of Seal	0	2015	\$4,770	120
879	Seal	Montague St	Midland Hwy	Forster	0	2015	\$6,080	20
1133	Seal	Shearers Crt	Stockmans Rd	End	0	2015	\$12,402	30
1134	Seal	Shepherds Crt	Stockmans Rd	End	0	2015	513,158	30
1169	Seal	Stockmans Rd	Logan Rd	End	0	2015	\$37,440	30
1366	Seal	West St Campb. T	Seal Change	Seal Change	0	2015	\$6,882	18
						Subsected	35,100,615	
7350	Bridge	Macquarie Road	Lake River	1	Д	2016	\$1,250,000	30
1130	Bridge	Woolmers Lane	Macquarle River	н	H	2016	\$1,500,000	30
276.4	Footpath	Church St. Ross	The Boulevards	Badagos	کــا	2016	\$900	ß
562.4	Footpath	High St Ross	Church St	Bond St	j.s.	2016	\$3,210	5
14273	Footpath	William St Extra F/P	M"Lands H"Way	East St		2016	\$228	ţ;
522	Pavement	Green Rises	4.79 Armstrongs	Maitland	1 -2	2016	\$256,500	70
ທ	Seal	Adelaide St	Seal Change	End of Seal	H	2016	\$2,340	100
116	Seal	Bellevue	WHI shadbing GO	Seal Change	jus .	2016	\$6,468	16
183	Seal	Bridge St Campb T	Bond	Clare	ы	2016	\$7,600	16
181	Seal	Bridge St Campb T	Midbads Hwy	Pedder St	<u>ц</u>	2016	\$5,963	20
255	Seal	Chatsworth La	00-Marlborough	Golf Club	1	2016	\$5,004	18
305	Seal	Conara Rd	Midland Hwy	Railway X-ing	μ.	2016	\$2,400	14
372	Seal	Drovers Crt	Stockmans-Rd	End	_	2016	\$12,157	30

Asset ID	Category	Asset Name	From	io	(Years	H 10	Ufe Renewal (Years) Year	e Renewal Cost
417	Seal	-English Town Rd	00 Deddington Road		and of seal	and of seal	മറർ of seal 1 2015	۲
433	Seal	Fairtlough St	Midlands Hwy		Elizabeth St	Elizabeth St 1	į.	1 2016
449	Seal	Forster St	Franklin St		Seal Change	Seal Change 1	4	1 2016
450	Seal	Forster St	Seal Change		Montagu	Montagu 1	٠, μ	1 2016
493	Seal	Glenele St	Church St		Chicon	Ollions +	Ones 1 2010	1 2016
514	Seal	Grant St	Bond St		End Seal	End Seal	+)	+)
543	Seal	High St Camp/T	Church	•	Cond Change	Iond Change 1	<u>+</u>	1 2016
545	Seal	High St Camp/T	Elizabeth		Queen	Queen 1	ب	1 2016
615	Seal	Isis Ad	00 Macquarle River		Seal Change	Seal Change 1	ш	1 2016
721	Seal	Logan Rd	00 Huxtable St Evendale		Seal Change	Seal Change 1	۳	۳
1088	Seal	Rayal George	OO'St Pauls SBL	10.	10.32 St Pauls Dome	32 St Pauls Dome 1	P	1 2016
1206	Seal	The Boulevards Pt 1	Bond		End Seal	End Seal 1	r	1 2016
1233	Seal	Tooms Lake Rd	Seal Change	j≟a.	15.43 Cattle Grid	5.43 Cattle Grid 1		1 2016
1265	Seal	Truelands Rd	East St		Seal Change	Seal Change 1	_	1 2016
1267	Seal	Truelands Rd	Seal Change		Seal Change	Seal Change 1	ı	1 2016 5
1304	Seal	Union St	Seal Change	4	Wellington St	Vellington St 1	1	1 2016
1365	Seal	Valleyfield Rd	Millands Hilliam	0 (0	Seal Change	Seal Change 1	Seal Change 1 2016	. р
							50	Subsected Sa
812	Pavement	Main St Perth	Clarence	la	Start RH K&C	tart RH K&C 2	tart RH K&C 2 2017	12
59	Seal	Auburn Rd	00 Midlands Hwy		Culvert	Culvert 2	Culvert 2 2017	2 2017
89	Seal	Banday St	High St NBL		Миглу	Мистау 2	М	2 2017
109	Seal	Bedford St	Start of Seal		Franklin	Franklin .2		.2 2017
113	Seal	Bellevue	90 Widlands Hwy		Seal Change	Seal Change .2		.2 2017
186	Seal	Bridge:St Ross	West end of Bridge		Church St	Church St . 2	.2	.2 2017
279	Seal	-Church St Ross	Change		Divided Rd	Divided Rd .2	.2	.2 2017
27.8	Seal	Church St Ross	High		Change	Change 2	2	2 2017
474	Seal	George St Perth	Clarence St		End Kerb	End Kerb 2	12	2 2017
495	Seal	Glenesk Rd	go Nite Rd		Seal Change	Seal Change 2	2	2 2017
655	Seal	Lake River Rd	00 Macquarie River		Seal Change	Seal Change .2	.2	.2 2017
717	Seal	Logan Rd	Seal Change	I.A.	Seal Change	ieal Change .2	.2	.2 2017
755	Seal	Macquarie River Rd	Seal Change	11,29 Mg	11.29 Macquarie Settlement	equarie Settlement .2	12	,2 2017
851	Seal	Mason St Campb T	Davidson St		Leake St	Leake St 2	2	.2 2017
\$50 80 80	Sea	Mount Joy Rd	00 Barton Rd		Seal Change	Seal Change .2	Seal Change .2 2017	.2 2017
941	Seal	Nile Rd	00 High St Evendale		Seal Change	Seal Change 2	Seal Change 2 2017	2 2017

30	27 200	2018	ננ	Green Rise	DO BISTODOUTED	Armstrones La	V PE	27
70	\$473,325	2018	ىيا	Seal Change	Change	Saundridge Rd	Pavement	1108
30	\$8,074	2018	ω	Burghley St	George St	William St Longford	Footpath	1389.4
15	\$852	2018	نبا	Side Entry Pit	Main Rd NBL	West Cambok La	Footpath	1361.3
15	\$1,640	2018	ننيا	Gatenby St	Cressy Rd	Spencers Lane	Footpath	1150.2
15	\$885	2018	w	Russell	Macquarie	Rodgers La	Footpath	1058.2
15	\$600	2018	(u)	End of Seal	Burghley St	Paton St	Footpath	999.4
15	\$3,515	2018	w	Seal Change	Start Kerb Left	Nile Rd	Footpath	347.2
30	\$6,438	2018	w	Railway X-ing	Phillip	Main St Perth	Footpath	805.3
30	\$10,974	2018	نبا	Saundridge	Seal Change	Main St Cressy	Footpath	795.3
15	\$3,210	2018	W	Bond St	Church St	High St Ross	Footpath	562.2
15	\$4,393	2018	نیا	Seal Change	Collins	High St Evendale	Footpath	552.2
15	\$2,682	2018	w	End	NITE EBL	CoxSt	Footpath	320.2
ţ,	\$6,510	2018	نعا	Fligh St	Huxtable WBL	Collins St Evendale	Footpath	302,4
15	\$3,060	2018	فيا	丰富的	Badajos St	Bond St Ross	Footpath	159.A
15	\$3,570	2018	w	Bond St EOS	Bridge St EOS	Beaufront St	Footpath	107.4
30	\$24,221	2018	w	Cambock East	Murray	Barclay St	Footpath	90.1
15	\$3,927	2018	w	ABEINIM	High St MBL	Banday St.	Footpath	89,4
15	\$2,940	2018	LL.	Seat Change	Cambock East	Barclay St	Footpath	91.2
ti.	\$2,760	2018	Lei	Bond-St	Seal Change	Badajos St	Footpath	82.4
15	\$450	2018	فعا	Seal Change	Church St	Badajos St	Footpath	81.4
30	\$78,276	2018	w	TC	Lewis Hill Creek	Royal George Road	Bridge	2380
	THE PROPES	Ubitotal						
20	\$28,050	2017	2	Cattle Grid	00 Tunbridge Tier	Tunbridge Lane	Unscaled Pavement	1283
20	\$3,810	2017	2	Rossarden 10	EOS Rossarden Rd Ch 3735	Rossarden 101	Unscaled Pavement	
20	5795	2017	2	Female Factory Ent	Beaufort Rd	Portugal St (South)	Unscaled Pavement	1569
20	\$663	2017	N	Change	Leake St	New St Campb, T	Unscaled Pavement	924
20	\$270	2017	2	End of Road	End of Seal	Fitzroy St	Unscaled Pavement	445
10	\$2,490	2017	2	EBL Churchill	Gray	Falmouth St	Unscaled Pavement	442
20	\$1,440	2017	2	End of Loop	Mason St	Davidson St	Unscaled Pavement	337
20	\$2,800	2017	2	Lewis	Bulwer	Burghley St Longford	Unsealed Pavement	229
18	\$38,184	2017	2	Bridge	00 St Pauls SBL	Royal George	Seal	1094
100	\$48,320	2017	2	Culvert	OB Story Ck	Rossarden Rd	Seal	1064
16	\$4,560	2017	2	Catherine	Packenham St	Pultney St	Seal	1039
16	\$2,880	2017	2	Conara Rd	Start K&C	Panec St	Seal	.922
16	\$1,503	2017	2	Start K&C	Pave Change	Panec St	Seal	921
(Years)	(\$)	Year	(Years)					
Eli-	Cost	Renewal	Life	큠	From	Asset Name	Category	Asset ID
Useful	Renewal	Planned	Rem				one	

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AsserID	Cattegory	Asset Name	From	ī	Life	Life Renewal	Cost	F
ľ					(Years)	Year	(5)	(Years)
20	Seal	Armstrongs La	00 Bishopbourne	Seal Change	w	2018	\$22,664	180
24	Seal	Arthur St	Seal Change	Falmouth	w	2018	\$2,052	18
49	Seal	Ashby Rd	White sprenging of	Seal Change	w	2018	\$10,735	18
72	Seal	Auburn Rd	OD Midlands Hvey	Gate RHS	ω	2018	\$21,400	18
S.	Seal	Auburn Rd	00 Midlands Nwy	Seal Change	נען	2018	\$22,746	1100
50	Seal	Auburn Rd	00 Midlands Hwy	Seal Change	ú	2018	\$2,256	18
90	Seal	BardaySt	Murray	Cambook East	(ia	2018	\$18,595	14
102	Seal	Barton Rd	00 Midlands Hwy	Bridge	į,	2018	\$8,352	<u>1</u>
139	Sea	Blackwood Creek Rd	00 Saunderidge	Seal Change	įù.	2018	\$1,269	120
156	Seal	Bond St Campb, T	Midlands Hwe	Grant St	ţu)	2018	\$7,333	100
197	Seal	Bridge St South	Montagu	Mason	نئا	2018	\$5,165	1100
235	Seal	Carins St	Union St	End	ţw.	2018	\$5,124	120
249	Seal	Catherine St	End Kerb	Cressy Rd	jja .	2018	\$16,845	18
1447	Seal	Chintah Rd	Seal Change	Seal Change	w	2018	\$19,494	120
1446	502	Chintah Rd	Seaf Change	Seal Change	w	2018	\$20,292	120
277	Seal	Church St Ross	Badagos	High	w	2018	\$17,298	14
276	Seal	Church St Ross	The Boulevards	Badagos	ш	2018	\$10,687	14
310	Seal	Conara Rd	Gate	End	w	2018	\$2,054	16
309	Seal	Conara Rd	Panec St	Gate	ω	2018	\$5,656	16
320	Seal	CoxSt	Nile EBL	End	w	2018	\$6,870	100
368	Seal	Devon Hills	00 Midlands Hwy	Christine	ω	2018	\$31,155	18
387	Seal	East St	Pedder St	Change	نیا	2018	\$11,437	50
441	Seal	Falmouth St	Arthur	Gray	ŤΤ	2018	\$4,283	18
440	Seal	Falmouth St	Blenheim	Arthur	(J)	2018	\$4,677	130
452	Seal	Frankfin St	M'Lands H'Way	Forster	ω	2018	\$2,863	16
511	-Seal	Goderich St	Seal Change	Gay St	w	2018	\$3,281	2.
507	Seal	Goderich St	William St	Archer St	(A)	2018	\$4,482	18
546	Seal	High St Camp/T	Queen	King	w	2018	366,6\$	18
720	Seal	Logan Rd	00 Huxtable St Evendale	Seal Change	w	2018	\$27,132	18
785	Seal	Macquarie St Cressy	Gatenby St.	Condition Change	ω	2018	\$14,866	30
822	Seal	Malcombe St	Wellington St	Lycock	(ij)	2018	\$3,373	120
846	Seal	Mariborough St Longford	00 William St	End of Soal	w	2018	\$24,416	18
566	Seal	Paton St	Burghley St	End of Sept	w	2018	\$1,747	16
1037	Seal	Pultney St	Wellington St	Marlborough St	دني	2018	\$9,311	16
1065	Seal	Rossarden Rd	OD Story Ck	Seal Change	ω	2018	\$32,160	18
1089	Sea	Royal George	DO OF Danie CRI		w	2018	\$21.412	40
			AD TO LONG TON	Seat Change		1424	The Party of the Party of	10
1109	Sea	Saundridge Rd	Seal Change	Seal Change	ري.	2018		311,410

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Stanhope Rd Stanhope Rd Truelands Rd Trubbs Rd Wilderness Tk Wilderness Tk Woorak Yalleena Rd	Honeysuckie Rd Long Marsh Long Marsh Murfact St Rothbury St Pauls Dome St Pauls Dome	Browkeene Hd Brumby St Cleveland Stat. Freelands Rd Honeysuckle Rd Honeysuckle Rd Honeysuckle Rd Long Marsh Long Marsh Long Marsh Long Marsh St Pauls Dome St Pauls Dome	Valleyfield Rd West St Campb. T West St Campb. T West St Campb. T Wist St Campb. T Wilmores La Brookdene Rd Brumby St Cfeveland Stat. Freelands Rd Honeysuckle Rd Long Marsh
OO Esk Hwy Creek Rd Start of Seal OO Hoop Valley OO Honeysuckle Rd OO Honeysuckle Rd OO Midlands Hwy Lakeview	00 Tooms Lake Rd 00 Tooms Lake Rd 00 Lake Leake 100 Lake Leake Change 00 Macurarie River 00 Royal George Rd 00 Royal George Rd	Bishopsbourne OD Brickendon Modlands Hwy Crossy Rd OD Tooms Lake Rd OD Tooms Lake Rd OD Tooms Lake Rd OD Lake Leake Of Lake Leake 'Of Lake Leake Change OD Macurarie River OD Royal George Rd OD Royal George Rd	DO Barton Rd DO Barton Rd DO Barton Rd Pedder St Seal Change Loading Ramp DO Midlands Hwy Bishepsbourne OD Brickendon Modlands Hwy Cressy Rd GO Tooms Lake Rd DO Tooms Lake Rd OO take Leake OO take Leake OO take Leake OO take Seerge Rd OO Royal George Rd OO Royal George Rd
Charge Charge End Seal ends at gate Gate Ends at Gate Kalangadoo	Change Wilderness Tk Change Pave Change Bend End End Bridge Gate	Find Weston End End End at Gatte 0.51 Cattle Grid Change Wilderness Tk Change Pave Change Bend End Bridge Gate Gate	Seal Change Seal Change Church Seal Change Seal Change Seal Change Seal Change Seal Change Seal Change Hind at Gate O.51 Cattle Grid Change Wilderness Tk Change Pave Change Bend End Bridge Gate Gate Gate
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2018 2018 2018 2018 2018 2018 2018	2018 2018 2018 2018 2018 2018 2018 2018	2018 2018 2018 2018 2018 2018 2018 2018	2018 2018 2018 2018 2018 2018 2018 2018
\$37,500 \$3,125 \$10,290 \$47,513 \$11,988 \$15,700 \$9,275	\$38,850 \$52,850 \$40,000 \$48,000 \$5,940 \$5,940 \$22,500 \$9,625 \$6,575	\$18,375 \$1,375 \$24,750 \$24,750 \$24,600 \$38,850 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000	\$30,674 \$16,064 \$5,800 \$1,656 \$38,065 \$27,610 \$18,375 \$9,790 \$1,375 \$24,750 \$24,750 \$24,750 \$2,850 \$2,850 \$38,850 \$38,850 \$38,850 \$40,000 \$48,000 \$48,000 \$48,000 \$52,500 \$52,
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Seal Change Chang									
Do Mridlands Hwy	18	\$10,700	2019	4	17.39 Honeysuckle	Seal Change	Tooms Lake Rd	Seal	1237
DD Midlands Hwy DD Seal Change DD Midlands Hwy DD Fownzanha DD Midlands Hwy DD Fownzanha DD Midlands Hwy DD Fownzanha DD Fownza	150	\$27,262	2019	4	19,28 Cattle Grid	End Floodway	Tooms Lake Rd	Spal	1240
DO Midlands Hwy DO Mochmer's Lane Fallmouth DO Wochmer's Lane Fallmouth DO Povaraona Seal Change DO Molands Hwy DO Povaraona Seal Change DO Midlands Hwy Do Povaraona Seal Change DO Midlands Hwy Do Do Starlands Hwy Do Do Starlands Hwy Do Do Starlands Hwy Do Do Starlands Hwy Seal Change A179 Amstrongs Burghley St B	16	\$1,726	2015	4	End of Seal	Bond St	Tesman St Pt 1	Seal	1202
Seal Change	15	\$19,642	2019	4	Seal Change	OD Esk Hwy	Story's Creek Rd	Seal	1174
Seal Change	180	\$23,400	2019	ţs	Seal Change	OD St Pauls SBL	Royal George	Seal	1081
Seal Change	18	\$20,140	2019	4	Old Seat Change	OD St Pauls SBL	Royal George	Seal	1087
Seal Change	18	\$9,242	2019	4	Seal Change	00 Story Ck	Rossarden Rd	Seal	1068
Seal Change	16	\$2,601	2019	4	End Seal	Church-St	Muriet St	Seal	907
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Pave Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$4,746 OD Suinderidge Seal Change 4 2019 \$36,194 OD Suinderidge Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,406 Felmouth Change 4 2019 \$7,571 OO Woofmer's Lane Cressy 4 2019 \$7,571 OO Woofmer's Lane Cressy 4 2019 \$13,406 Falmage Montage 4 2019 \$15,680 Seal Change 4 2019 \$15,680 Seal Change 4 2019 \$21,680 Seal Change 4 2019 \$2,821 Oo Miclands Hwy Packerhange 4 2019 \$3,827 Portser St Midhands Hwy 4 2019 \$2,420	1200	2800	2019	4	End	Hobart Road	Marchington	Seal	834
Op Midlands Hwy Seal Change 4 2019 \$1,152 Op Midlands Hwy Pawe Change 4 2019 \$1,152 Op Midlands Hwy Seal Change 4 2019 \$4,746 Op Midlands Hwy Seal Change 4 2019 \$13,496 Falmouth Crossy 4 2019 \$13,496 Falmouth Crossy 4 2019 \$13,496 Falmouth Crossy 4 2019 \$13,496 Falmouth Seal Change 4 2019 \$13,496 Falmouth Crossy 4 2019 \$13,496 Falmouth Seal Change 4 2019 \$13,496 Falmouth Crossy 4 2019 \$13,680 Seal Change Actonge 4 2019 \$1,580 Seal Change Mollands Hwy 4 2019 \$3,432 Ob Midlands Hwy Seal Change 4 2019 \$22,226 Ob Midlands Hwy Seal Change	18	512,160	2019	4	Mariborough St	Lycock	Malcombe St	Seal	823
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Pawe Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,406 Falmouth Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$1,261 OPulling State Pulling St 4 2019<	20	\$4,582	2019	4	Mary	Railway X-ing	Main St Porth	Seal	908
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Pawe Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$13,405 Falmouth Cressy 4 2019 \$13,405 Falmouth Cressy 4 2019 \$13,405 Falmouth Cressy 4 2019 \$13,405 Falmouth Seal Change 4 2019 \$13,405 Falmouth Cressy 4 2019 \$13,405 Falmouth Cressy 4 2019 \$13,405 Falmouth Cressy 4 2019 \$13,680 Seal Change A 2019 \$7,571 6 Or Woolmands Hwy Seal Change 4 2019 \$3,435 Ob Miclands Hwy Seal Change 4 2019 \$22,226 Youlf Main Rd End Seal 4 <td>18</td> <td>\$17,066</td> <td>2019</td> <td>4</td> <td>Seal Change</td> <td>oo Huxtable St Evendate</td> <td>Logan Rd</td> <td>Seal</td> <td>722</td>	18	\$17,066	2019	4	Seal Change	oo Huxtable St Evendate	Logan Rd	Seal	722
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Pave Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$4,746 Op Miclands Hwy Seal Change 4 2019 \$13,406 Falmouth Followeranna 5 4 2019 \$13,406 Seal Change Moliferange 4 2019 \$2,521 \$2,521 On Miclands Hwy Deal Change 4 2019 \$2,420 \$2,226 Forster St Mildlands Hwy 5 4 2019 \$2,133	18	\$36,500	2019	4	Culvert	Seal Change	Liffey Rd	Seal	701
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Pave Change 4 2019 \$4,746 Op Miclands Hwy Seal Change 4 2019 \$4,746 Op Miclands Hwy Seal Change 4 2019 \$36,194 OD Suinderidge Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,406 Fellmouth Cressy 4 2019 \$7,571 OWcofmer's Lame Cressy 4 2019 \$13,406 Fellmand Cressy 4 2019 \$13,406 Seal Change 4 2019 \$13,406 High-St Pultney St 4 2019 \$13,406 Seal Change Miclands Hwy Pown Hille 4 2019 \$8,891 Ob Miclands Hwy Seal Change 4 2019 \$23,572 Ob Miclands Hwy Pown Hille 4 2019 \$21,375 Fad Seal Change	30	\$12,204	2019	A	End	End Brick Pave	Honeystickle Gr	Seal	184
Op Midlands Hwy Seal Change 4 2019 \$1,152 Op Midlands Hwy Pawe Change 4 2019 \$47,246 Op Midlands Hwy Seal Change 4 2019 \$44,746 Op Midlands Hwy Seal Change 4 2019 \$44,746 Op Midlands Hwy Seal Change 4 2019 \$15,694 Ob Woolme's Lane Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,406 Falmouth Seal Change 4 2019 \$13,406 Falmouth Seal Change 4 2019 \$13,406 Migh-St Pulmoy St 4 2019 \$12,680 Seal Change 4 2019 \$12,680 Seal Change 4 2019 \$12,680 Seal Change 4 2019 \$21,680 Marilands Hwy Seal Change 4 2019 \$21,680 Midlands Hwy Seal Change 4 2019 \$2	18	\$6,323	2019	A	Burghley St	Catherine St	Mobhouse St	Seal	579
Seal Change	18	\$6,257	2019	À	Packeisham St	Markborough St	High St Longford	Spai	555
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Pawe Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$1,52 Op Miclands Hwy Seal Change 4 2019 \$13,406 Followinderidge Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$13,680 Seal Change A 2019 \$1,571 Of Woolfmers Lange Montage 4 2019 \$1,201 High-St Pultrey St Pultrey St 4 2019 \$3,342 Seal Change 4 2019 \$3,432 Seal Change 4 2019 \$2,342 Youll Main Rd End Seal 4 2019 \$2,42	18	\$9,464	2019	4	Smith St	Burghtey St.	Hay:St	Seal	534
Op Midlands Hwy Seal Change 4 2019 \$1,152 Op Midlands Hwy Pawe Change 4 2019 \$1,152 Op Midlands Hwy Seal Change 4 2019 \$1,201 Op Midlands Hwy Seal Change 4 2019 \$13,405 Falmouth Change 4 2019 \$13,405 Seal Change 4 2019 \$13,600 Seal Change 4 2019 \$14,600 Seal Change 4 2019 \$3,143 Ob Midlands Hwy Devon Hillie 4 2019 \$2,226 Ob Midlands Hwy Seal Change 4 2019 \$2,133 Packenhand St Midlands Hwy 4 2019 \$2,133 <	180	\$34,200	2019	4	Maitland	4.79 Armstrongs	Green Rises	Spal	522
DO Miclands Hwy Seel Change 4 2019 \$1,152 DO Miclands Hwy Seel Change 4 2019 \$4,746 DO Miclands Hwy Seel Change 4 2019 \$36,194 DO Sounderidge Seel Change 4 2019 \$36,194 DO Sounderidge Seel Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$15,406 Seel Change 4 2019 \$15,406 Seel Change Montagu 4 2019 \$1,571 DO Woofmer's Lane Cressy 4 2019 \$1,680 Seel Change Montagu 4 2019 \$1,201 High-St Pultney St 4 2019 \$8,891 DO Powaracina Seel Change 4 2019 \$8,891 DO Miclands Hwy Seel Change 4 2019 \$8,436 DO Miclands Hwy Devon Hille 4 2019 \$23,672 DO Miclands Hwy Seel Change 4 2019 \$25,420 Youll Main Rd Change 4 2019 \$21,376 Barclay St Midlands Hwy Seel Change 4 2019 \$2,133 Barclay St Midlands Hwy Seel Change 4 2019 \$2,133 Midlands Hwy Change 4 2019 \$2,133 Midlands Hwy Change 4 2019 \$2,133 Midlands Hwy Change 4 2019 \$3,200 Packenham St William St 4 2019 \$3,200	3	518,878	2019	4	Change	Pultney St.	Goose Green Pl	Seal	517
DD Midlands Hwy Seel Change 4 2019 \$1,52 Di Midlands Hwy Seel Change 4 2019 \$44,746 Di Midlands Hwy Seel Change 4 2019 \$44,746 Di Saurideridge Seel Change 4 2019 \$1,51 Di Saurideridge Seel Change 4 2019 \$1,571 Di Saurideridge Seel Change 4 2019 \$1,571 Di Saurideridge 5 Seel Change 4 2019 \$1,571 Di Saurideridge 5 Seel Change 4 2019 \$1,571 Di Saurideridge 6 Cressy 7 Di Saurideridge 7 Di Saurideridge 7 Di Saurideridge 8 Di Saurideridge 8 Di Saurideridge 9 Di Sa	13	\$3,200	2019	4	William St	Packenham St	George St Longford	Scal	464
Op Midlands Hwy Seal Change 4 2019 \$1,152 Op Midlands Hwy Pawe Change 4 2019 \$4,746 Op Midlands Hwy Seal Change 4 2019 \$43,746 Op Midlands Hwy Seal Change 4 2019 \$43,406 Followith Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$7,571 OWoofmers Lane Seal Change 4 2019 \$15,680 Seal Change Monitagu 4 2019 \$12,01 High St Pulmey St 4 2019 \$12,01 High St Pulmey St 4 2019 \$12,01 High Rd Seal Change 4 2019 \$8,436 Of Midlands Hwy Seal Change 4 2019 \$8,436 Of Midlands Hwy Seal Change 4 2019 \$22,226 Of Midlands Hwy Seal Change 4 2019 \$22,226 Of Midlands Hwy	20	\$8,282	2019	4	Change	Midlands Hwy	Esplanade Camp. T	569)	422
### Control Co	16	\$3,143	2019	4	Midlands Hwy	Forster St	Edgar St	Seal	394
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$4,746 Op Miclands Hwy Seal Change 4 2019 \$13,406 Op Miclands Hwy Seal Change 4 2019 \$13,406 Falmouth Seal Change 4 2019 \$13,406 Falmouth Cressy 4 2019 \$7,571 Of Woolma's Lane Cressy 4 2019 \$13,680 Seal Change Montagu 4 2019 \$1,201 High-st Pultney St 4 2019 \$7,342 Seal Change 4 2019 \$3,435 Of Miclands Hwy Seal Change 4 2019 \$8,435 Of Miclands Hwy Seal Change 4 2019 \$8,435 Of Miclands Hwy Seal Change 4 2019 \$2,226 Of Miclands Hwy Seal Change 4 2019 \$2,226 Of Miclands Hwy Seal Change <td>30</td> <td>\$14,976</td> <td>2019</td> <td>Ą</td> <td>Change</td> <td>Barclay St</td> <td>East Cambok La</td> <td>Seal</td> <td>384</td>	30	\$14,976	2019	Ą	Change	Barclay St	East Cambok La	Seal	384
Op Miclands Hwy Seal Change 4 2019 \$1,152 Op Miclands Hwy Seal Change 4 2019 \$4,745 Op Miclands Hwy Pave Change 4 2019 \$44,746 OD Suinderidge Seal Change 4 2019 \$36,194 OD Sounderidge Seal Change 4 2019 \$13,406 Felmouth Seal Change 4 2019 \$15,571 OO Woofmer's Lane Cressy 4 2019 \$15,680 Seal Change Montagu 4 2019 \$2,571 OF Wordrama Followy St 4 2019 \$3,881 DO Fowdrama Seal Change 4 2019 \$3,821 DO Miclands Hwy Seal Change 4 2019 \$3,425 Of Miclands Hwy Devon Hille 4 2019 \$3,425 Of Miclands Hwy Seal Change 4 2019 \$3,425 Of Miclands Hwy Seal Change 4 2019 \$22,226 Of	20	\$2,133	2019	4	End Seal	Youll Main Rd	Drummond St.pt.2	Seal	381
Do Miclands Hwy Seal Change 4 2019 \$1,152	15	\$26,420	2019	Þ	Seal Change	00 Midlands Nwy	Devon Hills	Seal	370
DD Midlands Hwy Seel Change 4 2019 \$1,152 DD Midlands Hwy Pawe Change 4 2019 \$41,746 DD Midlands Hwy Pawe Change 4 2019 \$44,746 DD Midlands Hwy Seel Change 4 2019 \$36,194 DD Sounderdige Seel Change 4 2019 \$13,406 Falmouth Seel Change 4 2019 \$1,571 DD Woofmer's Laine Cressy 4 2019 \$1,571 DD Woofman Seel Change 4 2019 \$1,201 High-St Full Change 5 4 2019 \$1,201 DD Woofman Seel Change 5 DD Woofman Seel Change 5 DD Woofman Seel Change 6 DD Woofman Seel Change 9 DD Wo	100	\$22,226	2019	4	Devon Hille	90 Midlands Hwy	Devan Hills	Seal	37.1
Op Midlands Hwy Seal Change 4 2019 \$1,152 Op Midlands Hwy Pawe Change 4 2019 \$4,746 Op Midlands Hwy Pawe Change 4 2019 \$44,746 Op Midlands Hwy Seal Change 4 2019 \$34,946 Op Midlands Hwy Seal Change 4 2019 \$34,946 Op Midlands Hwy Seal Change 4 2019 \$34,946 Op Sunideridge Seal Change 4 2019 \$7,571 Owopiners Lane Seal Change 4 2019 \$15,680 Seal Change Montagu 4 2019 \$12,581 High-St Pultney St 4 2019 \$7,342 Seal Change 4 2019 \$7,342 Seal Change 4 2019 \$7,342 Seal Change 4 2019 \$3,435	15	\$39,672	2019	4	. Seal Change	00 Nile Road	Clarendon Stat.	Seal	295
DO Midlands Hwy Do Saurideridge Falmouth Cressy Do Woother's Lane Cressy High-Se High-Se Polyovaranna Do Fowaranna Do Fowaranna Do Fowaranna Do Fowaranna Lite Renewal A 2019 \$1,152 Change 4 2019 \$4,745 \$5,144 2019 \$13,405 Falmouth Cressy 4 2019 \$15,680 \$4,761 Cressy 4 2019 \$1,201 High-Se Pulmoy St 4 2019 \$8,891 Do Fowaranna Seal Change A 2019 \$1,201 \$1,201 \$2,342	150	\$8,436	2019	4	Soal Change	Seal Change	Chintah Rd	Seal	1445
DO Mikilands Hwy OQ Mikilands Hwy OQ Mikilands Hwy OQ Mikilands Hwy DO Mikilands Hwy Seel Change OQ Sounderidge Falmouth OQ Sounderidge Falmouth OQ Sounderidge Falmouth Seel Change A 2019 \$44,746 A 2019 \$45,194 Change 4 2019 \$13,406 Falmouth Seel Change A 2019 \$13,406 Falmouth Seel Change 4 2019 \$13,406 Falmouth Change A 2019 \$15,680 Seel Change Montagu Falmouth Change A 2019 \$15,890 Seel Change A 2019 \$1,201 Falmouth Change A 2019 \$1,201 Falmouth A 2019 \$1,201	15	\$7,342	2019	4	Seal Change	DO Powaranna	Chintah Rd	Scal	263
DO Midlands Hwy Seal Change 4 2019 \$1,152 DO Midlands Hwy Pave Change 4 2019 \$41,745 DO Midlands Hwy Seal Change 4 2019 \$44,745 DO Midlands Hwy Seal Change 4 2019 \$44,745 DO Sauridendge Seal Change 4 2019 \$13,405 Felmouth Seal Change 4 2019 \$13,405 Cressy 4 2019 \$15,680 Seal Change Montagu 4 2019 \$1,201	100	\$8,891	2019	Þ	Pultney St	Figh-St	Burghley St Longford	Seal	225
DD Midlands Hwy Seal Change 4 2019 \$1,152 DD Midlands Hwy Seal Change 4 2019 \$4,746 DD Midlands Hwy Seal Change 4 2019 \$44,746 DD Midlands Hwy Seal Change 4 2019 \$45,154 DD Midlands Hwy Seal Change 4 2019 \$13,406 Falmouth Seal Change 4 2019 \$7,571 DD Woolmer's Lane Cressy 4 2019 \$15,680	18	\$1,201	2019	4	Montagu	Seal Change	Bridge St South	Scal	196
DO Midlands Hwy Seel Change 4 2019 \$1,152 DO Midlands Hwy Seel Change 4 2019 \$44,746 DO Midlands Hwy Seel Change 4 2019 \$44,746 DO Sounderdige Seel Change 4 2019 \$36,194 OO Sounderdige Seel Change 4 2019 \$13,406 Felmputh Seel Change 4 2019 \$7,571	18	\$15,680	2019	4	Cressy	00 Woolmers Lane	Brickendon St	Seal	174
DO Midlands Hwy Seal Change 4 2019 \$1,152 DO Midlands Hwy Seal Change 4 2019 \$44,746 DO Midlands Hwy Seal Change 4 2019 \$44,746 DO Saunidenids Hwy Seal Change 4 2019 \$45,194 DO Saunidenidge Seal Change 4 2019 \$13,406	50	\$7,571	2019	A	Seel Change	Falmouth	Blenhiem St	Seal	153
Op Midlands Hwy Seel Change 4 2019 \$1,152 Op Midlands Hwy Pave Change 4 2019 \$4,746 Op Midlands Hwy Seel Change 4 2019 \$44,746 Op Midlands Hwy Seel Change 4 2019 \$36,194	16	\$13,406	2019	4	Seal Change	00 Saunderidge	Blackwood Creek Rd	Seal	140
DD IVear (5) IVear (4)	20	\$36,194	2019	Þ.	Seal Change	GO Midlands Hwy	Barton Rd	Seal	199
00 Midlands Hwy Seel Change 4 2019 \$1,152	20	\$44,746	2019	4	Pave Change	00 Midlands Hwy	Barton Rd	Seal	100
(S) (S) (S)	100	\$1,152	2019	4	Seel Change	QU Midlands Hwy	Auburn Rd	Seal	S.
to the kenewal cost	Years	(S)	- 15	(Years)					
From To Illa Bananal Fact	등	1800	-	Life	To	From	Asset Name	Category	Asset ID
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Sub									
Critegory Assert Name	20	\$11,284	2020	U	Conara Rd	Start K&C	Panec St	Footpath	922,2
Cettegory Assert Name	15	\$2,340	2020	Lit	Bridge	Seal Change	Nile Rd	Footpath	1571.2
Category	15	\$546	2020	Ui	Arthur	Barday St SBL	Murray St	Footpath	909,4
Sub Asset Name From To Planned Remewal Category Asset Name From 10 Life Renewal Cost Seal Turbridge fire CD Michards Hwy Soal Change 4 2019 55,612 Seal Valleyfield Rd OD Manches Soal Change 4 2019 55,612 Seal Valleyfield Rd OD Manches Soal Change 4 2019 55,612 Seal Wallington St. Longford Soal Change 4 2019 57,612 Seal White Hills Rd OD Abusine Soal Change 4 2019 57,621 Seal White Hills Rd OD Abusine Soal Change 4 2019 57,621 Seal White Hills Rd Bod Change Soal Change Soal Change 4 2019 57,260 Seal White Hills Rd Bod Change Soal Change Soal Change 5 2020 57,7,600 Footpath Bardley St. Elizabeth St. <td>15</td> <td>\$1,060</td> <td>2020</td> <td>Ln</td> <td>Arthur</td> <td>Barday St SBL</td> <td>Macquarle St Evand</td> <td>Footpath</td> <td>789.4</td>	15	\$1,060	2020	Ln	Arthur	Barday St SBL	Macquarle St Evand	Footpath	789.4
Category Asset Name	15	\$2,263	2020	U	Barday St	Change	Leopold St	Footpath	687.4
Caregory Asset Name	15	\$2,180	2020	Ļn	Bend	Cressy Rd	King St Cressy	Footpath	641.4
Category Asset Name	15	\$1,886	2020	lπ	Bend	Cressy Rd	King St Cressy	Footpath	641.2
Sub	15	\$4,669	2020	U	Archer St.	Bend	King St Cressy	Footpath	642.2
Sub Asset Name From To Life Remeval Cock Category Asset Name From To Life Reneval Cock Seal Tunbridge flor Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Vallwylield Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Vallwylield Rd OD Aubum Rd Awaquarie 4 2019 \$5,612 Seal Varlwylield Rd OD Aubum Rd Awaquarie 4 2019 \$5,612 Seal Varlwylield Rd OD Aubum Rd Awaquarie 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 5 20070 \$5,612 Seal Wallington St. Longford Barclay St. at 2100 kph Sign Seal Change 4 2019 \$7,612 Seal Wallington St. Longford Barclay St. at 2100 kph Sign Seal Change 4 2019 \$2,752 Seal Wallington St. Longford	15	\$1,680	2020	Lri	Collins St	Russell St	Muxtable Lane	Footpath	610.2
Sub Asset Name From To UIF Renw Planned Renewal Scall Torlesse St Change Badlord St. Pt. 2 4 2019 \$56,612 Scall Tunbridge Tier Rd OD Midlands Hwy Scall Change 4 2019 \$56,612 Scall Vallwyfield Rd OD Aubum Rd 2.48 Cattle Grid 4 2019 \$56,612 Scall Wellington St. Longford Scall Change 4 2019 \$56,612 Scall Wellington St. Longford Scal Change 4 2019 \$56,612 Scall Wellington St. Longford Scal Change 4 2019 \$56,612 Scall Wellington St. Longford Scall Change Scall Change 4 2019 \$57,788 Scall Welliam St. Parth Burlay St. at 100 kph Sign Scall Change 5 2019 \$77,88 Scall Welliam St. Parth Elidabeth St. End 4 2019 \$21,750 Bridge St. Ross Marchur St. Parth Find	15	\$627	2020	Ln	Cambock Loa West	Leighlands + 12 m	High St Evendale	Footpath	548,2
Sub Asset Name From To Uffer Rome/Users Cost Seal Torlesse St Change Bedlord St Pt 2 4 2019 \$56,612 Seal Tunbridge Titor Rid OD Midlands Hwy Soal Change 4 2019 \$56,612 Seal Vallwyfidd Rid OD Auburn Rid 2.48 Cattle Grid 4 2019 \$56,612 Seal Verlwood Rid OD Auburn Rid 2.48 Cattle Grid 4 2019 \$56,612 Seal Wellington St, Longford Soal Change Soal Change 4 2019 \$57,788 Seal Wilke Hills Rid Barclay St, at 2100 kph Sign Soal Change 4 2019 \$77,528 Seal Wilke Hills Rid Barclay St, at 2100 kph Sign Soal Change 4 2019 \$77,528 Seal Wilke Hills Rid Barclay St, at 2100 kph Sign Soal Change 4 2019 \$77,528 Seal Kange Rootpath Ender St Park TC 5 2020 \$77,528	15	\$5,280	2020	Ln	Barclay	Canibock Loa West	High St Evendale	Footpath	549.2
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Seal Change 4 2019 \$864 Seal Valleyfield Rd OD Midlands Hwy Soal Change 4 2019 \$662 Seal Valleyfield Rd OD Barton Rd Amacquarie 4 2019 \$662 Seal Valleyfield Rd OD Barton Rd Amacquarie 4 2019 \$56,624 Seal Valleyfield Rd OD Auburn Rd Amacquarie 4 2019 \$57,728 Seal William St Perrih Seal Change 5cal Change 4 2019 \$7,788 Seal William St Perrih Ellabech St End 4 2019 \$7,788 Seal Royal George Road Un-named Creek TC 5 2020 \$7,289 Scal Change Royal George Road Un-named Creek TC 5 2020	ti	\$15,322	2020	Ļ1	Russell	Barclay	High-St-Evendale	Footpath	550.4
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$5,612 Seal Valleyfield Rd 00 Midlands Hwy Soal Change 4 2019 \$5,612 Seal Valleyfield Rd 00 Abburn Rd Amacquarie 4 2019 \$5,612 Seal Wellington St. Longford Soal Change 5 Soal Change 4 2019 \$5,612 Seal Wellington St. Longford Soal Change 5 Soal Change 4 2019 \$5,612 Seal Wellington St. Longford Soal Change 5 Soal Change 4 2019 \$7,788 Seal Wellington St. Longford Soal Change Soal Change 4 2019 \$7,788 Seal Change Royal George Road Un-named Creek TC 5 2020 \$72,000 Footpath Badiglos St. Ross </td <td>15</td> <td>\$9,856</td> <td>2020</td> <td>Lπ</td> <td>Russell</td> <td>Barclay</td> <td>High St Evendale</td> <td>Footpath</td> <td>550.2</td>	15	\$9,856	2020	Lπ	Russell	Barclay	High St Evendale	Footpath	550.2
Sub Asset Name From To Use Renewal Cost Seal Torlesse St Change Bedford St Pt Z 4 2019 5863 Seal Tunbirdge Tier Rd OD Midlands Hwy Seal Change 4 2019 5864 Seal Valleyfield Rd OD Aubum Rd Auguarfie 4 2019 58,612 Seal Wellington St. Longford Seal Change 4 2019 58,612 Seal Wellington St. Longford Seal Change 4 2019 520,700 Seal Wellington St. Longford Seal Change 4 2019 57,788 Seal Wellington St. Longford Seal Change 4 2019 57,788 Seal William St. Perrh Eliaabesh St. Erid 4 2019 57,788 Seal William St. Perrh Eliaabesh St. Erid 4 2019 57,788 Seal No.21 4 2019 57,788 52,1750 52,1750 Bridg	ti	\$2,646	2020	U	Change	Wide spale Min	Esplanade Camp. T	Footpath	422.2
Sub Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$58.61 Seal Tunbridge Tier Rd OD Midlands Hwy Soal Change 4 2019 \$5.612 Seal Verwood Rd OD Auburn Rd 2.49 Cattle Grid 4 2019 \$5.612 Seal Weilington St Longford Soal Change 5coal Change 4 2019 \$5.617 Seal Weilington St Longford Soal Change Soal Change 4 2019 \$7.761 Seal Weilington St Longford Soal Change Soal Change 4 2019 \$7.761 Seal Weilington St Longford Soal Change Soal Change 4 2019 \$7.761 Seal Weilington St Longford Boal Change Soal Change 4 2019 \$7.781 Seal Weilington St Longford Boal Change Soal Change 4 2019 \$7.761 Weilington St Longford <td>15</td> <td>\$414</td> <td>2020</td> <td>Lņ</td> <td>Bridge St</td> <td>Change</td> <td>Esplanade Camp. T</td> <td>Footpath</td> <td>423.2</td>	15	\$414	2020	Lņ	Bridge St	Change	Esplanade Camp. T	Footpath	423.2
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Scal Torlesse St Change Bedford St Pt 2 4 2019 \$56,612 Scal Tunbridge Tier Rd 00 Midlands Hwy Scal Change 4 2019 \$56,612 Scal Vallwridd Rd 00 Barton Rd Macquarie 4 2019 \$56,612 Scal Verwood Rd OO Auburn Rd 2.49 Cattle Grid 4 2019 \$57,612 Scal Weilington St. Longford Scal Change 4 2019 \$57,612 Scal William St. Perth Elazbeth St End 4 2019 \$77,612 Scal William St. Perth Elizabeth St End 4 2019 \$21,760 Scal William St. Perth Elizabeth St End 4 2019 \$21,760 Scal Bridge St. Roas No.21 4 2019	15	\$3,306	2020	Υ'n	End	NHe EDL	Cax St	Footpath	320.4
Sub Asset Name From To Uffe Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$5864 Seal Tunbridge Tier Rd OD Midlandsk llwy Soal Change 4 2019 \$5861 Seal Varwood Rd OD Sarton Rd Macquarle 4 2019 \$5861 Seal Wallington St Longford Seal Change 4 2019 \$5,612 Seal Wallington St Longford Seal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change 5cal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change 5cal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change Seal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change Seal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change Seal Change 4	15	\$270	2020	Ln.	Church St	West end of Bridge	Bridge St Ross	Footpath	186.2
Sub Asset Name From To Life Renewal Cest Seal Torlesse St Change Bedford St Pt 2 4 2019 \$864 Seal Tunbridge Ther Rd OD Midlands Hwy Seal Change 4 2019 \$864 Seal Valleyfield Rd OD Midlands Hwy Seal Change 4 2019 \$864 Seal Valleyfield Rd OD Auburn Rd 2.49 Cattle Grid 4 2019 \$50,700 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Parth Ellaabeth St End 4 2019 \$7,613 Seal Royal George Road Un-named Creek TC 5 2020 \$72	H	\$660	2020	Ųī	Beaufort	Seal Change	Bridge St Ross	Footpath	188.4
Sub Repny Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$5,612 Seal Tunbridge Tior Rd OD Midlands Hway Soal Change 4 2019 \$5,612 Seal Verwood Rd OD Aubum Rd 2.49 Cattle Grid 4 2019 \$5,612 Seal Verwood Rd OD Aubum Rd Adequarie 4 2019 \$5,612 Seal Verwood Rd OD Aubum Rd Adequarie 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 4 2019 \$7,612 Seal Wallington St. Longford Seal Change 4 2019 \$7,612 Seal Wallington St. Longford Seal Change 4 2019 \$7,612 Seal Wallington St. Longford Seal Change 4 2019 \$7,788	ti,	\$1,012	2020	νį	Beaufort	Seal Change	Bridge St Ross	Footpath	188.2
Sub Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St. Pt. 2 4 2019 \$5,612 Seal Tunbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Varievood Rd OD Auburn Rd 2,49 Cattle Grid 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 4 2019 \$5,612 Seal Wallington St. Longford Seal Change 5 4 2019 \$5,612 Seal Wallington St. Longford Seal Change Seal Change 4 2019 \$7,788 Seal White Hills Rd Seal Change Seal Change 4 2019 \$21,750 Seal Wallington St. Perth Elizabech St End 4	ţ,	\$484	2020	ហ	Seal Change	Church St	Bridge St Ross	Footpath	187.4
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Badford St Pt 2 4 2019 \$5,612 Seal Tunbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd OD Auburn Rd Macquarle 4 2019 \$5,612 Seal Verwood Rd OO Auburn Rd 2.49 Cattle Grid 4 2019 \$50,700 Seal Wellington St. Longford Seal Change 4 2019 \$51,612 Seal Wellington St. Longford Seal Change 5 2.49 Cattle Grid 4 2019 \$7,788 Seal White Hills Rd Seal Change Seal Change 4 2019 \$7,788 Seal White Hills Rd Seal Change End 4 2019 \$21,760 Seal William St. Parth Elizabeth St End 4	15	\$1,026	2020	Li	Seal Change	Church St	Bridge St Ross	Footpath	187,2
Sub Asset Name From To Uffe Renewal Cost Category Asset Name From To Uffe Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$864 Seal Tumbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,512 Seal Valleyfield Rd OD Auburn Rd 2,49 Cattle Grid 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,788 Seal	15	\$595	2020	Ų,	Murray	High St NBL	Barclay St	Footpath	1.68
Sub Asset Name From To Uffe Renewal Cost Category Asset Name From To Uffe Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$864 Seal Tumbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd OD Auburn Rd 2,49 Cattle Grid 4 2019 \$7,612 Seal Verwood Rd OD Auburn Rd 2,49 Cattle Grid 4 2019 \$7,612 Seal Wellington St, Longford Seal Change 4 2019 \$7,612 Seal Wellington St, Longford Seal Change 4 2019 \$7,612 Seal Wellington St, Longford Seal Change 4 2019 \$7,612 Seal Wellington St, Longford Seal Change 4 2019 \$7,612 Seal Wellington St, Longford Seal Change 4 2019 \$7,612	ti	\$3,480	2020	Ųί	Seal Change	Cambock East	Barclay St	Footpath	91.4
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$58.612 Seal Tumbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$50,700 Seal Valleyfield Rd OD Aubum Rd 2.49 Cettle Grid 4 2019 \$10,677 Seal Weilington St. Longford Seal Change 4 2019 \$1,612 Seal Weilington St. Longford Seal Change 4 2019 \$1,617 Seal Weilington St. Longford Seal Change 5 4 2019 \$1,617 Seal Weilington St. Longford Seal Change 5 4 2019 \$1,617 Seal White Hills Rd Seal Change Seal Change 4 2019 \$2,750 Seal William St Perth Ellasbeth St End 4 <	15	\$1,416	2020	ψį	Park St	Band St	Badajos St	Footpath	83,4
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$95,612 Seal Tumbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$56,612 Seal Valleyfield Rd OD Auburn Rd Seal Change 4 2019 \$50,700 Seal Wellington St, Longford Seal Change 4 2019 \$10,677 Seal Wellington St, Longford Seal Change 4 2019 \$7,788 Seal White Hills Rd Seal Change 5eal Change 4 2019 \$7,788 Seal White Hills Rd Seal Change 5eal Change 4 2019 \$7,788 Seal White Hills Rd Seal Change Balmess 4 2019 \$21,760 Seal White Hills Rd Seal Change Balmess 4 2019 \$21,760	15	\$460	2020	Ĺŋ	Leopold	Macquarie	Arthur St Evand	Footpath	31.3
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$56.12 Seal Tumbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd OD Auburn Rd 2.49 Cattle Grid 4 2019 \$20,700 Seal Wellington St, Longford Seal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change 5cal Change 4 2019 \$7,781 Seal White Hills Rd Seal Change 5cal Change 4 2019 \$7,781 Seal White Hills Rd Seal Change 5cal Change 4 2019 \$7,781 Seal White Hills Rd Seal Change 5cal Change 4 2019 \$21,760 Seal White Hills Rd Seal Change 4 2019 \$21,760 <td>30</td> <td>\$72,000</td> <td>2020</td> <td>ιņ</td> <td>TC</td> <td>Un-pamed Creek</td> <td>Royal George Road</td> <td>Bridge</td> <td>3767</td>	30	\$72,000	2020	ιņ	TC	Un-pamed Creek	Royal George Road	Bridge	3767
Sub Asset Name From To Life Renewal Cost Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$864 Seal Tumbridge Tier Rd OD Midbands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd OD Auburn Rd 2,49 Cattle Grid 4 2019 \$7,00 Seal Verwood Rd OD Auburn Rd 2,49 Cattle Grid 4 2019 \$7,612 Seal Weilington St. Longford Seal Change 5cal Change 4 2019 \$7,612 Seal Weilington St. Longford Seal Change 5cal Change 4 2019 \$7,612 Seal Weilington St. Longford Seal Change 4 2019 \$7,760 Seal Weilington St. Longford Seal Change 4 2019 \$7,788 Seal Weilington St. Longford Seal Change 4		2/83/832	Subtotal						
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt Z 4 2019 \$864 Seal Tumbridge Tier Rd 00 Midlands Hway Seal Change 4 2019 \$20,700 Seal Valleyfield Rd 00 Auburn Rd 2.49 Cattle Grid 4 2019 \$10,677 Seal Weslington St. Longford Seal Change 4 2019 \$7,612 Seal Weslington St. Longford Seal Change 4 2019 \$7,612 Seal Weslington St. Longford Seal Change 4 2019 \$7,612 Seal Weslington St. Longford Seal Change 4 2019 \$7,612 Seal Weslington St. Longford Seal Change 4 2019 \$7,612 Seal Weslington St. Longford Seal Change 4 2019 \$7,612 Seal White Hills Rd Seal Change	20	\$2,492	2019	4	No 21	No. 33	Youl Main Rd	Seal	1426
Sub Rom Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$5,612 Seal Tunbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd OD Sarton Rd Macquarle 4 2019 \$20,700 Seal Verwood Rd OD Auburn Rd 2,48 Cettle Grid 4 2019 \$10,677 Seal Wellington St, Longford Seal Change 4 2019 \$7,788 Seal White Hills Rd Barciay St at 100 kph Sign Seal Change 4 2019 \$7,788 Seal White Hills Rd Seal Change Dalimess 4 2019 \$21,760	18	\$3,818	2019	ڪ	End	Elizabeth St	William St Perth	Seal	1394
Sub Rom Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Badford St Pt Z 4 2019 \$8.612 Seal Tunbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd OD Aubumn Rd Macquarie 4 2019 \$30,700 Seal Verwood Rd OD Aubumn Rd Macquarie 4 2019 \$30,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,612 Seal Wellington St. Longford Seal Change 4 2019 \$7,788 Seal Wellington St. Longford Seal Change 4 2019 \$7,788 Seal Wellington St. Longford Seal Change 4 2019 \$7,788	18	\$21,760	2019	4	Dalmess	Seal Change	White Hills Rd	Seal	1379
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Seal Change 4 2019 \$5.612 Seal Tunbridge Tier Rd OD Midlands Hwy Seal Change 4 2019 \$5.0,700 Seal Verwood Rd OD Auburn Rd 2.49 Cettle Grid 4 2019 \$7,612 Seal Wellington St. Longford Seal Change Seal Change 4 2019 \$7,612	18	\$7,788	2019	4	Seal Change	Barclay St at 100 kph Sign	White Hills Rd	Seal	1377
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$5,612 Seal Tumbridge Tier Rd 09 Midlands Hwy Seal Change 4 2019 \$5,612 Seal Valleyfield Rd 00 Sarton Rd Macquarie 4 2019 \$20,700 Seal Verwood Rd 00 Auburn Rd 2,49 Cattle Grid 4 2019 \$10,677	16	\$7,612	2019	Ŀ	Seal Change	Seal Change	Wallington St Longford	Seal	1351
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$864 Seal Tunbridge Tier Rd Op Midlands Hwy Seal Change 4 2019 \$5,513 Seal Valleyfield Rd 00 Barton Rd Macquarie 4 2019 \$20,700	120	\$10,677	2019	<u> 15</u>	2,49 Cattle Grid	OD Auburn Rd	Verwood Rd	Seal	1329
Sub Rom Planned Renewal Category Asset Name From To Life Renewal Cost Seal Torlesse St Change Bedford St Pt 2 4 2019 \$854 Seal Tunbridge Tier Rd O0 Midlands Hwy Seal Change 4 2019 \$5,612	18	\$20,700	2019	4-	Macquarie	00 Barton Rd	Valleyfield Rd	Seal	1328
Sub Rem Planned Renewal Category Asset Name From To Ufe Renewal Cost (5) (5) Seal Torlesse St Change Bedford St Pt 2 4 2019 \$854	18	\$6,612	2019	4	Seal Change	00 Midlands Hwy	Tunbridge Tier Rd	Seal	1290
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost (Years) Year (5)	H 60	\$854	2019	۵	Bedford St Pt 2	Change	Torlesse St	Seal	1262
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost	(Years)	(\$)		(Years)					
Rem Planned Renewal	H	Cost	Renewal	Ufe	To	From	Asset Name	Category	Asset ID
	Useful	Renewal	Planned	Rem				Sub	

Ī	Sub				Rem	Rem Planned	Renewal Useful	Useful
Asset ID	Catagory	Asset Name	From	Ť	Dfa.	Renewal	Cost	Hi.
					(Years)	Year	(5)	(Years)
1351.0	Enotath	Wiedington St. Longford	Saal Change	Seal Change	л	UCUE 0707	C1,000	i t
1352.2	Footpath	Wellington St Longford	Seal Change	Swan	ות	2020	\$3.816	5 1
1342.2	Footpath	Wellington St SB C/W	Raliway X-ing	Start K&C	Un .	2020	\$256	5
1361.1	Footpath	West Cambok La	Main Rd NOL	Side Entry Pit	Ļπ	2020	Sao	ti,
1361.4	Footpath	West Cambok La	Main Rd NOL	Side Entry Pit	υī	2020	\$868	H
1362.3	Footpath	West Cambok La	Side Entry Pit	Change	Ųī	2020	\$1,560	15
1362:4	Footpath	West Cambok La	Side Entry Pit	Change	LIT	2020	\$4,960	15
919.4	Kerb	Nevis St	EBL Rossarden Rd	End Seal	Ĺπ	2020	\$2,727	ti
1045.2	Kerb	Queen St	Gleneig St	End	υī	2020	5513	t
105	Pavement	Barton Rd	OD Midlands Hwy	Seal Change	ÚТ	2020	\$395,175	60
Ó	Seal	Anstey St	Cracroft St	End K&C	ίπ	2020	\$3,101	16
77	Seal	Arthur St Perth	Nall X	Clarence St	ĻΠ	2020	\$9,308	18
경	Scal	Auburn Rd	00 Midlands Hwy	12,10 Verwood	υī	2020	\$29,300	14 100
101	Seal	Barton Rd	00 Midlands Hwy	10.50 Bridge	IJ	2020	\$6,320	20
94	Seal	Barton Rd	00 Midlands Hwy	Old Seal Change	и	2020	\$20,800	130
93	Seal	Barton Rd	00 Midlands Hwy	Old Seal Change	υī	2020	\$34,736	128
98	Seal	Barton Rd	OD Midlands Hwy	Seal Change	U	2020	\$19,864	120
119	Seal	Bellevue	00 Midlands Hwy	Ends at Gate	Ĺn.	2020	\$35,292	18
148	Seal	Blackwood Creek Rd	00 Saunderidge	11.89 Musk Valley	Ĺπ	2020	\$46,800	18
145	Seal	Blackwood Creek Rd	00 Saunderidge	Change	Un	2020	\$22,000	12
144	Seal	Blackwood Creek Rd	00 Saunderidge	Change	Un	2020	\$21,000	122
146	Seal	Blackwood Creek Rd	· 00 Saunderidge	Hop Valley	ក្រ	2020	\$34,068	150
150	Seal	Blackwood Creek Rd	00 Saunderidge	Liftey	រោ	2020	\$30,360	18
141	Seal	Blackwood Creek Rd	00 Saunderidge	Seal Change	(J)	2020	\$18,127	120
160	Seal	Bond St Ross	计图片	Bridge	Ln	2020	\$4,343	18
179	Seal	Bridge St.Campb T	Hamilton	Church	Ļπ	2020	\$9,181	120.
178	Seal	Bridge St.Campb T	Queen	Hamilton	Ģ	2020	\$5,180	182
205	Seal	BrumbySt	DO Brickendon	Haslewood	Un	2020	\$13,440	18
220	Seal	Bulwer St	Catherine	Burghley	ψı	2020	\$5,837	18
223	Seal	Burghley St	Start Seal	Cressy	Ļη	2020	\$9,530	122
224	Seal	Burghley St. Longford	William St	High St	Ļn	2020	366,6\$	18
246	Seal	Catherine St	BulwerSt	Talbot	μı	2020	\$11,632	tie.
248	Seal	Catherine St	Cracroft St	End Kerb	ψı	2020	\$5,859	20
247	Seal	Catherine St	Talbot	Cracroft St	ហ	2020	\$4,655	20
261	Seal	Chiotah Rd	00 Powaranna	Seal Change	Ųī	2020	\$10,602	18
260	Seal	Chintah Rd	00 Powaranna	Seal Joint	UI	2020	\$27,960	18

TX	A. Sharener	3						
	\$4.582	2020	Ų1	Hortie	Pultney St	Pakenham St	Sen	974
18	\$3,128	2020	vı	Malcombe St	Hortle	Pakenban St	Seal	975
189	\$27,083	2020	Ųī	Bryants	00 High St Evendale	Nile Rd	Sen	933
18	\$19,477	2020	.UI	11,80 Deddington	00 High St Evendale	Mile Rd	Seal	939
16	\$1,640	2020	,UI	Seal Change	Saundridge St	Murfett, St	Seal	905
13	\$4,728	2020	v	Church St	Change	Muriett St	Seal	906
100	\$40,806	2020	ມາ	End Seal	DO Cressy Rd	Munden La	Seal	903
14	\$4,680	2020	Ų1	Seal Change	GD Midlands Hwy	Mona Vale Rd	Seal	869
bo	\$7,344	2020	U	Gunn St	00 Huxtable St Evendale	Logan Rd	Seal	719
120	\$1,056	2020	UT	14.13 Bracknall	00 Bishapbourne Rd	Liftey Rd	Seal	707
18	\$16,271	2020	LTI	Seal Change	00 Macquarie River	tsis Rd	Seal	518
18	\$4,447	2020	ហ	Width Change	Park St	Howick-St	Seal	808
30	\$4,662	2020	vi	Start Brick Pave	Barclay St NBL	Honeysuckle Gr.	Seal	585
13	\$7,222	2020	ĻΤ	Catherine St	Packenham St	Hobbouse St	Seal	578
18	\$6,566	2020	UI	Packenham St	Marlborough-St	Flobhouse St	Seal	577
18	\$53,025	2020	Ļπ	Seal Change	1.70 Marchington	Hobart Rd	Scal	570
18	\$9,537	2020	vı	Mariborough St	Wellington St	High St Longford	Seal	554
18	\$26,600	2020	LTI	Change	Waitland	Green Rises	Seal	523
18	\$7,288	2020	vī	Smith St	Archer St	Goderich St	Seal	508
120	\$23,920	2020	UI	Seal Change	00 Nile Rd	Glenesk Rd	Seal	500
18	\$6,963	2020	V1	ArcherSt	William St	George St Longford	Seal	465
150	\$4,259	2020	u	End .	Frederick St	Fore St	Seal	445
18	\$3,318	2020	Ų1	End of Seal	Bridge St SBL	Fitzroy St	Seal	444
18	\$2,322	2020	UT	Blenheim	EBL St Paruls PI	Falmouth St	Seal	439
12	\$6,336	2020	vī	Clarence	William St	Elizabeth St pt.1	Seal	399
160	\$4,394	2020	Ln.	End	Clarence	Elizabeth St pt.1	Seal	400
18	\$26,668	2020	ы	Loop Rd	Williams Hwy	Devon Hills.	Seal	369
18	\$60,720	2020	UI	Seat Change	00 Nile Road	Dedtington	Seal	344
18	\$4,840	2020	UI	End of Seal	DO Nile Road	Deddington	Seal	353
13	\$27,450	2020	U1	9.09 Bryants	00 Nile Road	Deddington.	Seal	345
120	\$3,900	2020	Ų,	15.03 Bridge	00 Nile Road	Deddington.	Seal	3555
130	\$3,529	2020	Ut	Width Change	End Left Kerb	Cromwell St	Seal	329
18	\$5,557	2020	Uŋ	Bend Right	Railway X-ing	Conara Rd	Seal	306
180	\$34,485	2020	U1	Start K&C	Bend Right	Conara Rd	Seal	307
16	\$8,454	2020	Ų	High St	Huxtable WBL	Callins St Evendale	Seal	302
18	\$5,244	2020	Ú1	End Seal	Bridge St	Clare St	Seal	286
18	\$11,544	2020	u	End	Devan Hills Rd	Christine Av	Seal	268
(Years)	(\$)	Year	(Years)					Ĩ
E#	Cost	Renewal	Life	To	Fram	Asset Name	Category	AssetiD
Useful	Renewal	Planned	Rem				Sub	

	Sub				Rem	Rem Planned	Renewal	Useful
Asset ID	Category	Asset Name	From	To	Life	Renewal	Cost	E .
					(Years)	Year	(\$)	(Years)
972	Seal	Pakenham St	William St	High St	(J)	2020	\$14,008	120
993	Seal	Pateena 8d	00 Illawarra Rd	2.65 Arrandale	vı	2020	\$20,824	1100
991	Seal	Pateena Rd	00 Illawarra Rd	Seal Change	U)	2020	\$29,600	130
992	Seal	Pateena Rd	DO Illawarra Rd	Seal Change	Ų,	2020	\$15,392	D9
1016	Seal	Pitts Lane	DO B'Bourne Rd	Boundary	Ų1	2020	\$50,860	20
1033	Seal	Powranna Rd	00 Midlands Hwy	Pave Change	ы	2020	\$24,240	100
1047	Seal	Range Rd	Perth Mill Road	End of Circuit	Ln .	2020	\$25,010	50
1052	Seal	Relbia Rd For, Lower White Hills	Change	Boundary	'UI	2020	\$30,784	100
1051	Seal	Relbia Rd For, Lower White Hills	Change	Seal Change	'n	2020	\$15,732	120
1060	Seal	Ross 5th Access Rd	Midland Hwy	Seal Change	un.	2020	\$2,100	150
1084	Seal	Royal George	OO St Pauls SBL	Seal Change	UT.	2020	\$51,852	128
1085	Seal	Royal George	00 St Pauls SBC	Seal Change	Uı	2020	\$20,384	150
1090	Seal	Royal George	00 St Pauls SBE	Seal Change	'n	2020	\$28,728	15
1111	Seal	Saundridge Rd	5,14 Eastfield	Seal Change	'n	2020	\$25,606	18
1108	Seal	Saundridge Rd	Change	Seal Change	UT	2020	\$63,110	18
1110	Seal	Saundridge Rd	Seal Change	5.14-Fastfield	'n	2020	\$15,496	18
1115	Seal	Saundridge Rd	Seal Change	Blackwood Ck	ъ	2020	\$16,060	100
1112	Seal	Saundridge Rd	Seal Change	Seal Change	'UI	2020	\$38,535	18
1145	Seal	Smith St	Hay St	Gate	UI	2020	\$4,315	18
1150	Seal	Spencers Lane	Cressy Rd	Gatenby St	(ri	2020	\$4,717	18
1192	Sea	Summit Drive	00 Devon Hills Rd	End	Ųī	2020	\$38,054	18
1208	502	The Stock Route	Saundridge St	Seal Change	Ļī	2020	\$1,642	18
17:11	Seal	Tooms' Lake Rd	0.36 Rallway X-ing	Seal Change	ţ,	2020	\$32,176	100
1238	Seal	Tooms Lake Rd	17.39 Honeysuckle	Bridge	Ųί	2020	\$2,294	120
1212	Seal	Tooms Lake Rd	Seal Change	Seal Change	Ųī	2020	\$4,100	18
1219	563	Tooms Lake Rd	Seal Change	Seal Change	Ų	2020	219,501	37
1254	Sea	Top Rd	00 Blackwood Ck	1,23 Smiths	Ļn	2020	\$1,428	100
1270	Seal	Truelands Rd	Seal Change	End of Seal	Ųī	2020	\$6,426	120
1266	Seal	Truelands Rd	Seal Change	Seal Change	Ļn	2020	\$30,873	18
1289	Seal	Tunbridge Tier Rd	00 Midlands flwy	Seal Change	Ų	2020	\$18,900	100
1288	Sen	Tunbridge Tier Rd	00 Midlands Hwy	Seal Change	Ļn	2020	\$7,318	100
1319	Seal	Valleyfield Rd	00 Barton Rd	Seel Change	цп	2020	\$39,000	120
2000	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	Ļī	2020	\$15,900	100
DZET	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	Ļπ	2020	\$61,450	20
1316	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	Ų	2020	\$18,000	0
1316	Seal	ANALYS AND NA	7.75.	1	Ų			FD
1316 1321 1321		VALUE WIRE RD	Heibia	Seal Change		2020	\$37,059	20

Sub Asset Name From To Life Renewal Useful Scal Woodmors La 40 Midlands Hwy Pave Change 5 2020 552,345 20 Scal Woodmors La 40 Midlands Hwy Pave Change 5 2020 552,345 20 Scal Woodmors La 40 Midlands Hwy Pave Change 5 2020 511,556 12 Scal Woodmors La 40 Midlands Hwy Pave Change 5 2020 511,556 12 Scal Change End 5 2020 511,556 12 20 50 20 Scal Change End 5 2020 511,556 12 20 511,550 20 20 50 20 511,500 20 20 20 50 20 511,500 20 20 20 20 50 20 52,20 20 20 20 20 20 50 20 52 20 52 20 52 20 52 20 52<	2000	-				The second second	TOTAL STATE OF THE PARTY OF THE		
Woolmers La	20	\$2,240	2021	ធា	End K&C	Drummond	Drummond St	Seal	379
Woolmers La	180	\$11.564	2021	Ç)	Charles	Drummond St(E)	Drummond Crs.	Seal	373
Moolmars La	18	\$10,605	2021	ď	Seal Change	00 Maquarie River Rd	Delmont	Seal	359
Asset Name	16	\$3,838	2021	σh	Seat Change	Edward St	Cromwell St	Seal	331
Woodmers La	18	\$7,996	2021	Ó	Wellington	Morne	Cracroft St	Seal	327
Woolmers La	18	961,6\$	2021	Ø	Talisker St	M'Lands H'Way	Clarence St	Seal	287
Woolmers La	120	\$12,318	2021	O)	Elizabeth St	Frederick St	Clarence St	Seal	289
Maintein Maintein	18	\$6,265	2021	Ç)	End Car Park	Divided Rd	Church St Ross	Seal	280
Maint Main	18	\$7,260	2021	O	Powaranna	Seal Change	Chintah Rd	Seal	1562
Asset Name	16	\$3,485	2021	ÇN.	End of Bowl	Drummond St	Cemetery-Rd	Seal	250
Asset Name From To Life Renewal Cost Woodmers La 100 Midlands Hwy Pave Change 5 2020 \$55,245 Woodmers La 200 Midlands Hwy Pave Change 5 2020 \$11,556 Alman St Croscroft St Talbot 5 2020 \$11,556 Bridge St St // R Change End 5 2020 \$1,300 Bridge St St // R Change End 5 2020 \$1,300 Bridge St St // R Change End 5 2020 \$1,300 Bridge St St // R Change End 5 2020 \$1,300 Marthand La 00 Green Rises Bridge 5 2020 \$2,370 Smiths Rd 100 Green Rises Bridge 5 2020 \$3,570 Smiths Rd 100 Green Rises Bridge 5 2020 \$3,570 Bridge St Lange 5 2021 \$2,524 \$2,524 Wallering Rd 00 Midlands Hw	18	\$571	2021	(C)	Maicombe St	Malcombe St	Catherine St	Seal	242
Name From To Life Renewal Planned Renewal	180	\$8,989	2021	Ø,	Hobbouse St	Malcombe St	Catherine St	Seal	243
Asset Name	120	\$7,029	2021	ğή	Laycock	Seal Change	Bulwer St	Seal	214
Asset Name	18	\$6,873	2021	01	King	Espianads	Bridge St Campb T	Seal	176
Asset Name	18	\$23,980	2021	ch	Seat Change	00 Saunderidge	Blackwood Creek Rd	Seal	149
Asset Name	18	\$26,564	2021	יסי.	Seal Change	00 Illawarra	Bishopsbourne Rd	Seal.	132
Asset Name	18	\$14,432	2021	Ø,	Seal Change	00 Midlands Hwy	Bellevue	Sea	118
Asset Name	18	\$3,410	2021	, co.	End of Bowl	Phillip St	Banksla Gve.	Seal	88
Asset Name From To Life Ram Planned Renewal Woolmers La 'Öp Midlands Hwy Pave Change 5 2020 \$55,245 Woolmers La 'Öp Midlands Hwy Pave Change 5 2020 \$11,556 Alma St Corecroft St Talbot 5 2020 \$700 Bridge St S/R Change end 5 2020 \$33,000 Church Lane Nile Rd End 5 2020 \$4,230 Church Lane Nile Rd End 5 2020 \$4,230 King St Camp/T End Seal End 5 2020 \$3,370 King St Camp/T End Seal End 5 2020 \$3,700 Smiths Rd OD Green Rises Bridge 5 2020 \$3,700 Smiths Rd The Boulevards Pt 1 End Seal Ends at Gate 5 2020 \$7,250 Seal Change 5 2021 \$1,519 \$1,519 \$1,519 \$1,519 </td <td>18</td> <td>\$11,118</td> <td>2021</td> <td>on,</td> <td>Seal Change</td> <td>00 Midlands Hwy</td> <td>Auburn Rd</td> <td>Seal</td> <td>58</td>	18	\$11,118	2021	on,	Seal Change	00 Midlands Hwy	Auburn Rd	Seal	58
Asset Name	18	\$35,556	2021	on,	Seal Change	00 Midlands Hwy	Auburn Rd	Seal	67
Asset Name	120	\$30,232	2021	th	Seal Change	60 Midlands Hwy	Auburn Rd	Seal	Ā
Asset Name	16	\$2,682	2021	on,	Seal Change	Clarence St	Arthur St Perth	Seal	38
Asset Name	70	\$285,750	2021	øn,	Seal Change	.00 Barton Rd	Valleyfield Rd	Pavement	1322
Asset Name	80	\$140,400	2021	Ø,	Chatsworth	DO WILLIAM St	Mariborough St Longford	Pavement	849
Asset Name	70	\$174,600	2021	ចា,	Seal Change	00 Nile Rd	Glenesk Rd	Pavement	495
Asset Name		42,50 () SQ2	Subtobal						
Asset Name	20	\$1,519	2020	υī	Gate	End Seal	The Boulevards Pt 1	Unscaled Pavement	1207
Asset Name	20	\$7,250	2020	Ų	Ends at Gate	Top Rd	Smiths Rd	Unsealed Pavement	1146
Asset Name From To Life Renewal Cost	20	\$35,700	2020	Ųп	Bridge	00 Green Rises	Maitland La	Unscaled Pavement	816
Asset Name From To Life Renewal Cost	20	\$6,570	2020	υī	End	End Seal	King St Camp/T	Unscaled Pavement	640
Asset Name From To Life Renewal Cost	20	\$2,370	2020	U1	End	Nile Rd	Church Lane	Unsealed Pavement	269
Asset Name From To Life Renewal Cost	20	\$4,230	2020	υı	end	Change	Bridge St S/R	Unsealed Pavement	193
Asset Name From To Life Renewal Cost	20	\$3,300	2020	5	End	00 Woolniers Lane	Brickendon St	Unscaled Pavement	175
Asset Name From To Life Renewal Cost (Years) Year (\$) Woodmers La 00 Midlands Hwy Pave Change 5 2020 515,545 Woodmers La 00 Midlands Hwy Pave Change 5 2020 511,556	20	\$700	2020	51	Talbot	Cracroft St	Alma St	Unscaled Pavement	σı
Asset Marae From To Life Renewal Cost (Years) Year (\$) Woolmers La GÖ Midlands Hwy Pave Change 5 2020 \$55,245	12	\$11,556	2020	Ų	Paye Change	Will spreiding 100	Woolmers La	Seal	1417
Asset Name From To Life Renewal Cost (Years) Year (5)	20	\$55,245	2020	_U 1	Pave Change	White spreiding of	Woolmers La	Seal	1416
Asset Name From To Life Renewal Cost	(Years)	(\$)	Year	(Years)					
Rem Planned Renewal	Life	Cost	Renewal		То	From	Asset Name	Category	Asset ID
	Useful		Planned	Rem				Sub	

	Sub				Rem	Rem Planned	Renewal	Useful
Asset ID	Category	Asset Name	Fram	id'	Ufe	Renewal	Cost	Ulle.
					(Years)	Year	(5)	(Years)
								d
1587	Seal	Mulgrave St	Seal Change	End of Bowl	D)	2021	\$2,345	20
928	Seal	Nile Rd	Do High St Evendale	Seal Change	on ·	2021	\$28,560	18
929	Seal	NIIe Rd	00 High St Evendale	Seal Change	(D)	2021	\$46,553	18
1572	Seal	Nile Rd	Start of Seal	End of Seal	o	2021	\$5,850	120
988	Seal	Park St Ross	Badajos St	New St	5)	2021	\$7,540	100
066	Seal	Patcena Rd	00 Illawarra Rd	Seal Change	וס	2021	\$3,552	12
1032	Seal	Powranna Rd	DO Midlands Hwy	Seal Charige	G)	2021	\$18,054	18
1038	Seal	Pultney St	Mariborough St	Packenham St	on	2021	\$7,866	120
1043	Seal	Queen St	Seal Change	Bridge St	50	2021	\$9,652	13
1048	Seal	Raeburn Rd	Mobart Road	End	O)	2021	\$14,880	50
1091	Seal	Royal George	QO St Pauls SBL	12:97 Smaw Hill Rd	U)	2021	\$41,160	100
1096	Seal	Royal George	OD St Pauls SBL	Lewis Hill Rd	o	2021	\$32,928	150
1082	Seal	Royal George	00 St Pauls SBL	Seal Change	ទា	2021	\$28,688	18
£60T	Seal	Royal George	OD St Pauls 5BL	Seal Change	σ'n	2021	\$21,273	18
1092	Seal	Royal George	OD St Pauls SBL	Seal Change	O)	2021	\$51,979	18
1121	Seal	Saundridge St	Cressy Rd	Charles St	ch.	2021	\$8,961	18
1124	Seal	Saundridge St Cast	Main St	End K&C	O)	2021	\$4,614	18
1129	Seal	Scone St Porth	Frederick St	Midlands Hwy	Ç)	2021	\$2,563	18
1130	Sizal	Scone St Perth	Midlands Hwy	Drummand St	5	2021	\$10,778	18
1308	Soal	Seccombe St Pt 2	Mulgrave St	Minerva Dr	cn.	2021	\$16,248	20
1143	Seal	Smith St	Goderich St	Mowick St	Ó	2021	\$4,915	18
1144	562	Smith St	Howick St	Hay St	O)	2021	\$4,166	18
1140	Seal	Smith St	Wellington St	George St	on	2021	\$17,351	100
1155	Seal	Sprent St	Change	Lake Leake H'Wy	0)	2021	\$5,675	18
116B	Seal	Stocker St	Lewis St	Bulwer	מ	2021	\$8,826	20
1175	Seal	Story's Creek Rd	DD Esk Hwy	End of Seal	on.	2021	\$3,150	18
1181	Seal	Story's Creek Rd	Drain	Drain	IJ1	2021	\$81,761	150
1183	Seal	Story's Creek Rd	Glops Ck 12.56 Scal Change	Road UK	C)	2021	\$52,352	18
1236	Seal	Tooms Lake Rd	16.57 Carde Grid	Seal Change	ÇN.	2021	\$5,533	16
1210	569	Tooms Lake Rd	Bond St	0.36 Rallway X-ing	D)	2021	\$44,216	13
1224	Seal	Tooms Lake Rd	Bridge	Seal Change	en.	2021	\$10,900	15
1226	Sea	Tooms Lake Rd	Seal Change	Seal Change	6	2021	\$6,800	160
1215	Seal	Tooms Lake Rd	Seal Change	Seal Change	O)	2021	\$5,202	160
1269	Seal	Truelands Rd	Seal Change	Seal Change	C)	2021	\$18,023	18
1292	Seal	Tusbridge Tier Rd	OD Midlands Hwy	5.02 Metrose	O)	2021	\$22,932	18
1291	Seal	Tunbridge:Tier Rd	on Midlands Hwy	Seal Change	o)	2021	\$11,172	18
1322	569	Valleyfield 8d	00 Barton Rd	Seal Change	O	2021	\$38,100	18

bU	1	7717		Payer Change	WALL SOLED DEA THE	TO COLUMN TO THE PARTY OF THE P	TOCO STORY	1
60	\$348,600	2022	7	Range Rd	00 Evandale Rd	Perth Mill Rd	Pavement	1006
70	\$179,100	2022	7	11:29 Macquarie Settlement	Seal Change	Macquarie River Rd	Pavement	755
30	\$56,100	2022	7	170	Tasniania Creek	Storeys Creek Road	Bridge	4000
30	\$155,460	2022	7	77	Storeys Creek	Storeys Creek Road	Bridge	1469
70	\$48,808	2022	7	Pipe		Royal George Ed	Bridge	9964
70	\$31,536	2022	7	Box	Kingston Rivulet	Rothbury Road	Bridge	4048
70	\$21,546	2022	7	Box		Macquarle Road	Bridge	3428
70	\$15,984	.2022	7	Box		Liffey Road	Bridge	9903
70	\$21,168	2022	7	Box		Liffey:Road	Bridge	9901
70	\$15,984	2022	7	Вох		Liffey.Road	Bridge	9900
70	\$8,100	2022	7	Box		Hop Valley Road	Bridge	9905
70	\$10,714	2022	7	Box		Honeysuckie Road	Bridge	9906
30	\$58,800	2022	7	H	Uninamed Creek	Glpps.Creek Road	Bridge	2057
70	\$15,984	2022	7	Box		Elphinstone Road	Bridge	3735
70	\$18,360	2022	4	Box		Elphinstone Road	Bridge	3734
70	\$21,312	2022	7	Pipe		Ashby Road	Bridge	5477
	\$2,209,761	Euthteam						
25	\$5,400	2021	6	End	Tooms Lake Road	Shack Rd	Unscaled Pavement	1132
25	.S31,650	2021	o	End	Blackwood Ck	Music Valley	Unscaled Pavement	116
25	\$22,313	2021	en.	Ends at Bridge	00 Cressy Rd	Munden Le	Unscaled Pavement	904
25	\$23,000	2021	gn,	Pave Change	00 Lake Leake	Long Marsh	Unscaled Pavement	730
25	000,012	2021	O	Change	00 Lake Leake	Long Marsh	Unscaled Pavement	735
55	\$21,150	2021	6	Kingston Gate	00 Nile Rd	Kingston Rd	Unscaled Pavement	652
25	518,000	2021	571	The Quain	00 Tooms Lake Rd	Honeysuckle Rd	Unscaled Pavement	590
25	\$6,825	2021	51	Pave Change	00 Tooms Lake Rd	Noneysuckle Rd	Unscaled Pavement	593
25	57,975	2021	0	Cattle Grid	00 Tooms Lake Rd	Moneysuckle Rd	Unscaled Pavement	592
25	\$26,250	2021	Ç)	9.25 Cattle Grid	00 Tooms Lake Rd	Honeysuckle Rd	Unscaled Pavement	591
25	\$3,948	2021	m	Continues trrough a Gate	Armstrongs Lane	Grubbers Hill	Unscaled Pavement	526
25	\$35,875	2021	6	Locked Gate	OD Midlands Hwy	Forest Hall	Unscaled Pavement	447
25	\$7,788	2021	ס	Start of Scal	00 Deddington Road	English Town Rd	Unsealed Pavement	416
25	\$14,525	2021	m	Mariborough	00 Cressy Main Rd	Cotton St(East)	Unsealed Pavement	317
25	\$7,650	2021	6	Start Seal	Wilmores	Burghley St	Unsealed Payement	222
10	\$36,113	2021	6	Stockyards RHS	00 Deddington Rd	Bryants Lane	Unscaled Pavement	208
25	\$1,688	2021	9	End	Liffey:Rd	Bennetts	Unsealed Payement	122
H 00	\$7,600	2021	ס	Cressy Rd	00 Brumby St	Weston St	Seal	1976
(Years)	(\$)	Year	(Years)					
Life	Cost	Renewal	Life	To	From	Asset Name	Category	Asset ID
Userui	Renewal	Planned	Rem				Sub	

Description of the second	Sub	Accet Name	From	ŧ.	Rem		Rem Planned	Renewal Foot
						_		Year
					1			
1118	Pavement	Saundridge Rd	Bridge	Bridge		7	7 2022	7 2022 \$281,325
1401	Pavement	Wilmores La	Loading Ramp	Seal Change	12	7	7 2022	7 2022
1412	Payement	Woolmers La	60 Midlands Hwy	5.35 Point Rd	4	7	7	7 2022
1411	Pavement	Woolmers La	Will spuelpily 00.	Property Ent		. 7	7	7 2022
15	Seal	Anstey St	End XXC	Brickendon		7	7 2022	7
14	Seal	Archer St Longford	Goderich St	George St	**	7	7 2022	7 2022
26	Seal	Arthur St, Avoca	Falmouth	Seal Change	12	7	7	7 2022
62	Sea	Aubum Rd	Q0 Midlands Hwy	Seal Change	E C	7	ge 7 2022	7 2022
56	Seal	Auburn Rd	WHY Spuelpin GO	Seal Change	in in	160 P	7	7 2022
114	Seal	Bellevue	00 Midlands Hwy	Seal Change	ngo	nge 7	7	7 2022
133	Seal	Bishapsbourne Rd	60 Illawarra	9,08 Armstrongs	strongs	strongs 7	¥	7 2022
131	Seal	Bishapsbourne Rd	00 Illawarra	Rail X	×	× 7	7	7 2022
129	Sea	Bishapsbourne Rd	00 Illawarra	Seal Change	hange	hange 7	7	7 2022
147	Seal	Blackwood Creek Rd	00 Saunderidge	9.18 Hodgetts	dgetrs	dgetts 7	dgetrs 7 2022	7 2032
158	Seal	Bond St Ross	The Boulevards	Badajos St	15 St	15 St 7	s St 7 2022	7 2022
169	Seal	Bracknell Rd	Liffey Rd	Liffey River	River	River 7	7	7 2022
253	Seal	Charles St Cressy	Church St	End	D.	d 7	7	7 2022
	Seal	Chiswick Rd Ross Access	00 Midlands Hwy	Seal C	Seal Change	hange 7	hange 7 2022	7
	Seal	Church St Cressy	Main	Char	Charles St	les St 7	7	7 2022
	Seal	Clarence St	Tallsker St	Frede	Frederick St	rick St 7	rick St 7 2022	7 2022
	Seal	Clarendon Stat.	00 Nile Road	Clarend	Clarendon Lodge	on Lodge 7	on Lodge 7 2022	7 2022
	Seal	Clayfield Rd	no Bishopbourne	Seal	Seal Change	Change 7	Change 7 2022	7 2022
	Seal	Deddington	00 Nile Road	End o	End of Seal	of Seal 7	of Seal 7 2022	7 2022
	Seal	Drummond St	Scone	Drum	Drummond	mond 7	mond 7 2022	7 2022
	Seal	Edward St	Cromwell St	Youl Main Rd	ain Rd	ain Rd 7	ain Rd 7 2022	7 2022
	Seal	Eskley Porth Nursing Home Rd	Midland Hwy	Seal Change	ange	ange 7.	ange 7. 2022	7. 2022
	Sea	Franklin St	Forster	Bedford	ord	ord 7	7	7 2022
	Seal	Frederick St	Midtands Hwy	Scane St	151	151 7	151 7 2022	7 2022
460	Seal	Gatenby St	Spencers Lane	Macquarie	arie	arie 7	arie 7 2022	7 2022
530	Seal	Martnoll PI	Seal Change	End of Court	OUNT	Court 7	. 7	7 2022
544	Seal	High St Camp/T	Cond Change	Elizabeth	eth	neth 7.	7.	7. 2022
562	Sea	High St Ross	Church St	Bond St	33	51 7	St 7 2022	7 2022
561	Seal	High St Ross	Esplanade	Church St	15	51 7	7	7 2022
2995	Seal	High Stross	Waterloo St	End of Sea	2	3	a) 7 2022	7 2022
598	Seal	Hop Valley	:00 Blackwood Ck	End Seal		7	7	7 2022 5
829	Seal	Lake River Rd	00 Macquarie River	Seal Change	0	Z 35	7	7 2022
	5	aurorit st	Malcombe St	Pultney St	7	7	7	7 2022

20 00	\$9 774	2022	7 -	Seal Change	Spal Change	Tooms lake Ho	25	1330
18			,	The state of the s	The state of the s	מאביו ביווסטין	250	1000
	\$16,884	2022	4	Seal Change	Seal Change	1	523	1110
18	\$21,269	2022	7	Seal Change	Seal Change	Tooms Lake Rd	Seal	1228
18	\$3,570	2022	7	Seal Change	Seal Change	Topms Lake Rd	Seal	1217
100	\$2,592	2022	7	Seal Change	Seal Change	Tooms Lake Rd	Seal	1216
18	\$9,828	2022	7	15,57 Cattle Grid	Seal Change	Tooms Lake Rd	Seal	1235
100	\$28,762	2022	Ņ	Illawarra	00 Illawarra Rd	Tannery La	Seal	1201
<u>1</u>	\$1,408	2022	7	Gosling	Wellington St	Swan Av.	Seal	1193
100	\$47,502	2022	7.	Drain	Seal	Stary's Creek Rd	Seal	1180
120	\$44,585	2022	7	Gipps Ck 12.56 Seal Change	Drain	Story's Creek Rd	Scal	1182
100	\$7,574	2022	7	Goderich St	George	Smith St	Seal	1142
.b0	\$3,634	2022	7	Murfett St	Charles St	Saundridge St	Seal	1122
1200	\$17,755	2022	7	0.65 Elphingstone	Sandridge St Crossy(663m)	Saundridge Rd	Seal	1105
120	\$13,440	2022	7	Seal Change	0.65 Elphingstone	Saundridge Rd	Seal	1106
30	\$16,272	2022	Ŋ	Huxtable EBL	Junction	Russell St	Seal	1101
100	\$15,582	2022	ų	Seal Change	00 St Pauls SBL	Royal George	Seal	1086
180	\$36,288	2022	7	End of Seal	GO St Pauls SBL	Royal George	Seal	1097
1200	\$5,292	2022	~4	end Seal	White Hills EBL	Ridgeside	Seal	1055
b0	\$4,800	2022	7	Seal Change	60 Midlands Hwy	Powranna Rd	Seal	1035
20	\$35,021	2022	7	Norwich Rd	Esk Lyn	Pateena Rd	Seal	1580
120	\$2,232	2022	7	Hay St	Howick St	Park St Longford	Seal	984
18	\$693	2022	~	Width Change	Frederick	Norfolk St	Seal	955
100	\$25,880	2022	7	Seal Change	DO High St Evendale	NIIe Rd	Seal	940
16	\$6,580	2022	7	Seal Change	00 Barton Rd	Mount Joy Rd	Seal	768
13	\$2,500	2022	7	Seat Change	00 Barton Rd	Mount Joy Rd	Seal	968
180	512,328	2022	7	Railway Line	00 Midlands Hwy	Mona Vale Rd	Seal	877
20	\$5,709	2022	7	End of Seal	00 Royal George Rd	Merrywood	Seal	862
18	\$7,216	2022	7	Cathorine	Pakenham	Maicombe St	Seal	825
30	\$14,985	2022	7	Arthur	Barday St SBL	Maequarie St Evand	Seal	789
18	\$18,676	2022	7	Scal Change	Lake River	Macquarle River Rd	Seal	746
18	\$35,280	2022	7	Seal Change	00 Poatina Hwy	Macquarle River Rd	Seal	778
18	\$13,552	.2022	7	Seal Change	OB Postina Hwy	Macquarie River Rd	Seal	772
180	\$50,744	2022	7	Lake River	OD Poatina Hwy	Macquarie River Rd	Seal	745
18	\$3,600	2022	7	End of Loop	Start of Loap	Longford Caravan park	Sea	1477
18	\$6,640	2022	7	Seal Change	00-Bishopbourne Rd	Liffey Rd	Seal	708
180	\$20,300	2022	7	Seal Change	00 Bishopbourne Rd	Liffey Rd	Seal	703
100	\$1,414	2022	7	Seal Change	00-Bishopbourne Rd	LiffeyRd	Seal	595
(Years)	(\$)	Year	(Years)					Ī
Life	Cost	Renewal	Ule	To	From	Asset Name	Caregory	Asset ID
Useru	Kenewal	Kem Planned	Kem				ans	

\$7,520 15 \$2,516 15 \$3,600 15 \$4,176 30 \$2,244 15 \$16,402 30 \$2,603 30 \$2,603 30 \$2,175 30 \$2,0950 30 \$2,1754 30 \$2,540 30 \$2,540 30	2023 2023 2023 2023 2023 2023 2023 2023	po po po po	Seal Change End RH K&C	Start RH K&C Stock Route	Main St Cressy Main St Cressy	Epotpath Epotpath Epotpath	794.2
220 21	2023 2023 2023 2023 2023 2023 2023 2023	DO DO DO	Saundridge Seal Change	Start 8H K&C	Main St Cressy	Epotpath Epotpath	794.2
	2023 2023 2023 2023 2023 2023 2023 2023	DQ DQ	Saundridge	The state of the s	Main St Cressy	Epotpath	1111
	2023 2023 2023 2023 2023 2023 2023	09		Seal Change		12.1	795,7
	2023 2023 2023 2023 2023 2023 2023		Church	Saundridge	Main St Cressy	Ecotpath	796,4
	2023 2023 2023 2023 2023 2023	09	Church	Saundridge	Main St Cressy	Ecotpath	795.3
	2023 2023 2023 2023 2023	00	Church	Saundridge	Main St Crossy	Footpath	796.2
	2023 2023 2023 2023	50	King	Church	Main St Cressy	Footpath	797.2
	2023	.00	Seat Change	Stockmans	Logan Rd	Footpath	716.4
	2023	.00	High	East End(Bowl)	King St Camp/T	Footpath	635.3
	2023	09	Cambock Loa West	Leighlands + 12 m	High St Evendale	Epotpath	548,4
	1010	00	Cambock Loa West	Leightands + 12 m	High St Evendale	Eootpath	548.3
	2023	DQ	Barclay	Cambock Loa West	High St Evendale	Footpath	549.4
	2023	DO	End of Bowl	Wellington St	George Hudson P	Footpath	463,4
\$4,141 30	2023	00	End of Bowl	Wellington St	George Hudson P	Footpath	463.2
\$9,657 30	2023	50	Clarence St	Scone St	Frederick St	Foetpath	458.3
\$609 30	2023	60	Seal Change	William St	Dryden Pl.	Footpath	383:2
\$7,047 30	2023	60	End of Bowl	Seal Change	Dryden Pl	Footpath	1501.2
\$3,100 20	2023	00	Panec St	Start K&C	Conara Rd	Footpath	308.3
O)	2023	09	High St	Huxtable WBL	Coilins St Evendale	Faotpath	302,2
\$525 15	2023	00	High St	Muxtable WBL	Collins St Evendale	Faotpath	302.1
	2023	00	Seal Change	Logan Rd	Coachmans	Footpath	300.3
\$5,336 30	2023	00	Divided Rd	Change	Church St Ross	Footpath	279.4
\$3,770 30	2023	00	Church	Hamilton	Bridge St Campb T	Footpath	179.1
\$3,728 15	2023	co	Macquaric	Murray St EBL	Arthur St Evand	Footpath	30,4
	2023	69	Leopold	Macquarie	Arthur St Evand	Footpath	31.4
00	2023	to	I	Macquarie River	Tooms Lake Road	Bridge	4619
\$43,840 30	2023	00	TC	Catt Gully Creek	Honeysuckle Road	Bridge	4733
\$52,480 30	2023	00	TC	Horse Paddock Creek	Brambletye Road	Bridge	1820
3/477/02/7	Subtrotal						
\$8,140 18	2022	7	Cracroft	00 Midlands Hwy	Woolmers La	Seal	1419
	2022	7	Bishopsborne	DD Cressy Main Rd	Wilmores La	Seal	1402
\$12,428 18	2022	7	George St	Marlborough St	William St Longford	Seal	1388
\$14,661 18	2022	7	Burghley St	George St	William St Longford	Seal	1389
\$51,200 18	2022	7	3.11 Everton	Dalmess	White Hills Rd	Seal	1380
\$1,430 16	2022	7	Farster St	-Seal Change	Torlesse St	Seal	1261
(S) (Years)	Year	(Years)					
Cost Life	Renewal	Life	ō	From	Asset Name	Category	Asset ID
Renewal Useful	Rem Planned	Rem				Sub	

Sub				Rem	Planned	Renewal	Useful
Category	Asset Name	From	õ	Life	Renewal	1503	Life
				(Years)	Year	(\$)	(Years)
Footpath	Main St Cressy	Wilson	William	to	2023	\$13,259	궘
Footpath	Main St Perth	Scone	Talisker	00	2023	\$6,496	30
Footpath	Marlborough St Longford	Hobhouse	Bulwer	50	2023	\$4,774	t,
Footpath	Mariborough St West Side	Malcombe	Flobhouse	co	2023	\$4,222	됨
Footpath	Murfett St	Change	Church St	DO	2023	\$22,504	30
Footpath	Park St Longford	George St	Goderich St	00	2023	\$868	15
Footpath	Queen St	Seai Change	Bridge St	(XI)	2023	\$12,389	出
Footpath	Spencers Lane	Cressy Rd	Gatenby St	D/A	2023	\$1,075	ti,
Facipath	Wellington St Longford	Seal Change	Swan	DO	2023	\$17,313	30
Footpath	Wellington St Longford	Swan	Pultney	C 2	2023	\$10,962	30
Footpath	William St Longford	George St	Burghley St	29	2023	\$10,968	30
Kerb	Baker St	EOS Rossarden Rd	End Seal	DO	2023	\$2,133	b
Kerb	Bridge St Campb T	Church	Midlands Hwy	20	2023	\$702	bi
Kerb	Bridge St Campb T	Clare	End of Seal	Da.	2023	\$648	b
Kerb	Hobhouse St	End Path	Laycock 51	ස	2023	\$585	ti
Kerb	Kalangardoo Rd	Lake Leake Rd	Ends at Lake	ద	2023	\$5,490	b
Kerb	Logan Rd	Seal Change	Last Gate	Ça	2023	\$1,656	b
Kerb	Wason St Campb T	Davidson St	Leake St	DO	2023	\$747	15
Kerb	Park St Ross		Badajos St	DO .	2023	\$1,296	15
Kerb	Torlesse St	Midlands Hwy	Seal Change	DO	2023	\$378	15
Kerb	Torlesse St	Seal Change	Forster St	00	2023	\$909	13
Pavement	Clarendon Stat.	00 Nile Road	Seal Change	ĊO.	2023	\$313,200	80
Pavenient	Haslewood St	OD Brumby	Mariborough	60	2023	\$185,640	80
Paventent	Lake River.Rd	00 Macquarie River	Seal Change	DO	2023	\$169,500	60
Paventent	Lake River Rd	.00 Macquarie River	"Seal Change	DO.	2023	\$115,380	60
Pavement	Nile Rd	00 High St Evendale	5.10 Clarendon L Rd	DO	2023	\$175,440	60
Pavement	Nivelle St	Badajos St Fence Line	End of Seal	60,	2023	\$48,392	90
Pavement	Valleyfield Rd	Barton	Pave Change	00	2023	\$33,000	70
Seal	Anstey St	Lewis	Cracroft St	DO	2023	\$7,205	18
Seal	Armstrongs La	00 Bishopbourne	3.69 Grubbers HIII	120	2023	\$39,700	18
Seal	Armstrongs La	00 Bishopbourne	Bridge	D/3	2023	\$33,072	18
Seal	Arthur St Perth	M'Lands H'Way	Mulgrave St	ÇO	2023	\$12,998	18
Seal	Ashby Rd	90 Midlands Hwy	Seal Change	ÇEQ	2023	\$4,626	18
Seal	Auburg Rd	00 Midlands Hwy	Seal Change	ĊΟ	2023	\$7,700	18
Seal	Bellevue	00 Midlands Hwy	Seal Change	(XX	2023	\$13,950	18
Seal	Berresford Pt.	Hartnoll Pl.	End of Crt	Co	2023	\$3,096	18
Scal	Bishopsbourne Rd	00 illawarra	2.48 Ashborough	ţa	2023	\$22,736	18
	Caregory Caregory Garegory Garegory Footpath	A A A A A A A A A A A A A A A A A A A	Main St Cressy Main St Perth Mariborough St West Side Marrborough St Longford Queen St Spencers Lane Wellington St Longford Welliam St Longford Well	Main St Cressy Main St Perth Main St Longford Main St Longford Main St Longford Main St Longford Mariborough St West Side Mariborough St West Side Mariborough St West Side Mariborough St Longford Murfett St George St Change Spenters Lane Wellington St Longford Wellington St Longford Swan William St Longford Swan William St Longford Swan William St Longford Swan William St Longford Bridge St Campb T Ghore George St Bridge St Campb T Ghore Hobhouse St Logan Rd Logan Rd Logan Rd Logan Rd Logan Rd Mason St Campb T Glare Mason St Campb T Forlesse St Torlesse St Torlesse St Clarendon Stat Lake River Rd OO Macquarie River Valleyfield Rd Anstey St Armstronge La Arthur St Perth Ashay Rd Auburn Rd Barton Milands Hwy Berresford PI Bishopbourne OO Midlands Hwy Hartnoll PI Bishopbourne Rd OO Midlands Hwy OO Midlands Hwy Hartnoll PI OO Illawarra	Asset Name Asset St. Conglord Asset St. Cong	Asset Name	Main St Cressy

Sub		de contract	1	20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		The state of the s	1	0
Part Pannet Pan	n	000 853	ECUC	0	Search I have	DD Postina Han	Macanaria River Rd	San	755
Sub	18	\$25,090	2023	00	Seal Change	4.77 Bracknell	Liffey Rd	Seal	700
	E S	\$29,484	2023	œ	4.77 Bracknell	3.91 Green Rises	Liffey Rd	Seal	699
Sub	10	\$16,422	2023	ĊΟ	Seal Change	00 Bishopbourne Rd	Liffey Rd	Seal	702
Sub	15	\$13,104	2023	δņ	Pave Change	00 Bishopbourne Rd	LiffeyRd	Seal	709
Sub	18	\$28,600	2023	ŌΦ	Liffey River	00 Bishopbourne Rd	Liffey Rd	Seal	712
Scill Bidrippibourne Rd	18	\$35,893	2023	ĎΦ	Seal Charge	00 Macquarie River	Lake River Rd	Seal	657
Scal	18	\$1,942	2023	00	Colfins St	Russell St	Muxtable Lane	Seal	610
Scal	120	\$43,697	2023	00	Assumed Boundary	Bridge	Hobart Rd	Seal	572
Sub	18	\$927	2023	ĎΘ	End	Seal Change	High St Longford	Seal	560
Sub	18	\$14,368	2023	Ċ0	Rad Bridge	King	High St Camp/T	Seal	547
Sub	16	\$1,178	2023	bo	End	Seal Change	Hay St	Seal	537
Sub	18	\$3,120	2023	to	Seal Change	Park	Hay St	Seat	536
KLID Category Asset Name From Los Hem Planned Remewal Remewal Remewal Remewal Cost Scal Bishopsbourne Rd OD Illawarra Seal Change 8 2023 \$38,869 \$58,869 \$58,669 \$50,924 <td>18</td> <td>\$41,004</td> <td>2023</td> <td>Ò</td> <td>4.79 Annstrongs</td> <td>Seal Change</td> <td>Green Rises</td> <td>Seal</td> <td>521</td>	18	\$41,004	2023	Ò	4.79 Annstrongs	Seal Change	Green Rises	Seal	521
Sub Asset Name From To Life Rem Planned Remewal Seal Bishopsbourne Rd OD Illawarra Seal Change 8 2023 \$38,869 Seal Bishopsbourne Rd OD Illawarra Willhamares 8 2023 \$29,224 Seal Bishops St Ross Badajos St High 8 2023 \$29,224 Seal Bridge St Ross Beaufort High 8 2023 \$29,224 Seal Bridge St Ross Beaufort High 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke Bridge St Ross 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort <	18	\$24,500	2023	63	Seat Change	1.21 Elphinstone	Green Rises	Seal	519
Sub Asset Namb From To Life Remy Planned Remewal Contragory Asset Namb From To Life Remy al Contragory Cost Life Remewal Cost Cost Life Remewal Cost Cost Life Remewal Cost Cost Life Remewal Cost Cost Cost Cost Life Remewal Cost	100	\$2,873	2023	00	Midlands Hwy	Seal Change	Glenesk Rd	Seal	1518
Sub Asset Namb From To Lile Remy Planned Remwal Remwal Remwal Remwal Remwal Remwal Remwal Cost Scal Bishopsbourne Rd Q0 Illawarra Scal Change 8 2023 \$38,869 \$529,224 \$528 \$529,224 <td>130</td> <td>\$2,036</td> <td>2023</td> <td>100</td> <td>Caravan Park</td> <td>High St SBL</td> <td>Esplanade Ross</td> <td>Sea</td> <td>424</td>	130	\$2,036	2023	100	Caravan Park	High St SBL	Esplanade Ross	Sea	424
Sub Asset Namb From To LIE Renewal Centewal Seal Bishopsbourne Rd 60 Illawarra Seal Change 8 2023 \$38,869 Seal Bond St Ross Badajos St Willmores 8 2023 \$29,224 Seal Bridge St Ross Badajos St Hfigh 8 2023 \$29,224 Seal Bridge St Ross Badajos St Hfigh 8 2023 \$29,224 Seal Bridge St Ross Badajos St Hfigh 8 2023 \$4,935 Seal Bridge St Ross Banaldort Parke Parke 8 2023 \$4,935 Seal Bridge St Ross Burghley Bridge St Ross Parke 8 2023 \$4,935 Seal Bridge St Ross Parke Wateridoo St 8 2023 \$4,935 Seal Bulwer St Layook Spicker 8 2023 \$4,535 Seal Church St Nth C/W Divided Rod	100	\$10,070	2023	DQ	Macraes Hill	00 Green Rises Rd	Elphinstone Rd	Seal	406
Sub	H	\$41,184	2023	Ø	Bridge	00.Green Rises Rd	Elphinstone Rd	Seal	407
	D0	\$6,838	2023	00	Pedder St	William St	15 15 E	Seal	386
Sub Asset Name From To Lile Renewal Cost Seal Bishopsbourne Rd QD Illawarra Saal Change 8 2023 \$38,869 Seal Bishopsbourne Rd QD Illawarra Wilmores 8 2023 \$29,224 Seal Birdge St Ross Badajos St High 8 2023 \$4,935 Seal Birdge St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdge St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdge St Ross Beaufort Parke 8 2023 \$4,935 Seal Birdge St Ross Beaufort Parke 8 2023 \$4,935 Seal Birdge St Ross Beaufort Waterioo St 8 2023 \$4,935 Seal Birdge St Ross Beaufort Waterioo St 8 2023 \$4,536 Seal Bulwer St Laycook Stocker 8	18	\$3,255	2023	00	Start Kerb	Change	Drummond Crs.	Sea 2	374
Sub Asset Name From To Life Renewal Cost Scal Bishopsbourne Rd QD Illawarra Scal Change 8 2023 \$38,869 Scal Bishopsbourne Rd QD Illawarra Wilmorras 8 2023 \$38,869 Scal Bishopsbourne Rd QD Illawarra Wilmorras 8 2023 \$29,224 Scal Bishopsbourne Rd QD Illawarra Wilmorras 8 2023 \$29,224 Scal Bishopsbourne Rd QD Illawarra Wilmorras 8 2023 \$29,224 Scal Birdge St Ross Badajos St High 8 2023 \$29,224 Scal Birdge St Ross Beaufort Parke 8 2023 \$4,935 Scal Birdge St Ross Beaufort Parke 8 2023 \$4,536 Scal Birdge St Ross Beaufort Parke 8 2023 \$4,536 Scal Bulwer St Laycock Spocker 8 </td <td>18</td> <td>\$3,410</td> <td>2023</td> <td>100</td> <td>Drummond</td> <td>Change</td> <td>Elrummond Crs.</td> <td>Sea</td> <td>375</td>	18	\$3,410	2023	100	Drummond	Change	Elrummond Crs.	Sea	375
Sub Asset Name From To Life Renewal Cost Seal Bishopsbourne Rd OD Illawarra Scal Change 8 2023 \$38,869 Seal Bishopsbourne Rd OD Illawarra Willmores 8 2023 \$38,869 Seal Birdige St Campb T Clare Willmores 8 2023 \$4,935 Seal Birdige St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdige St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdige St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdige St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdige St Ross Parke Birdige St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdige St Ross Parke Birdige St Ross 8 2023 \$4,536 8 2023 \$4,536	18	\$3,410	2023	DQ.	End of Seal	00 Nile Road	Deddington	Seal	351
Sub Asset Name From To Life Renewal Cost Seal Bishopsbourne Rd Q0 Illawarra Saal Chango 8 2023 \$38,869 Seal Bishopsbourne Rd Q0 Illawarra Wilhmores 8 2023 \$38,869 Seal Bishopsbourne Rd Q0 Illawarra Wilhmores 8 2023 \$4,935 Seal Birdge St Ross Badajos St Hfigh 8 2023 \$4,935 Seal Birdge St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Birdge St Ross Beaufort Parke 8 2023 \$4,935 Seal Birdge St Ross Beaufort Parke 8 2023 \$4,935 Seal Birdge St Ross Beaufort Parke 8 2023 \$4,936 Seal Birdge St Ross Parke Warerloo St 8 2023 \$4,936 Seal Birdge St Ross Bergle St Ross Bergle St Ross <t< td=""><td>18</td><td>\$2,654</td><td>2023</td><td>ĎØ.</td><td>End Left Kerb</td><td>Youl Main Rd</td><td>Cromwell St</td><td>Seal</td><td>328</td></t<>	18	\$2,654	2023	ĎØ.	End Left Kerb	Youl Main Rd	Cromwell St	Seal	328
Sub Planted Planted	18	\$13,338	2023	(s)	Panec St	Start K&C	Conara Rd	Seal	SOE
Sub Asset Name From To Life Renewal Cost Sical Bishopsbourne Rd QD Illawarra Seal Change 8 2023 \$38,869 Seal Bishopsbourne Rd QD Illawarra Wilmores 8 2023 \$29,224 Seal Bond St Ross Badalos St High 8 2023 \$4,935 Seal Bridge St Ross Badalos St Frigh 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Besudort Parke 8 2023 \$4,935 Seal Bulwer St Burghley BRIDGE 8 2023 \$4,536 Seal Calcolonia Dr Reliber End of bowl 8 2023 \$4,535 Seal Calcolonia Dr Reliber End of bowl 8 2023	18	\$7,920	2023	ĎO	End of Seal	00 Nile Rd	Clarendon Lodge	Seal	294
Sub Asset Name From To Life Renewal Cost KtID Category Asset Name From To Life Renewal Cost Scel Bishopsbourne Rd QD Illawarra Scel Change 8 2023 \$38,869 Scel Bishopsbourne Rd QD Illawarra Wilmorres 8 2023 \$29,224 Scel Bond St Rass Badajos St High 8 2023 \$29,224 Scel Birloge St Campb T Clare End of Scal 8 2023 \$1,747 Scel Birloge St Ross Beaufort Parke 8 2023 \$1,747 Scel Birloge St Ross Beaufort Parke 8 2023 \$4,935 Scel Birloge St Ross Beaufort Parke 8 2023 \$4,935 Scel Birloge St Ross Burghley Waterloo St 8 2023 \$4,536 Scel Bulwer St Laycock Spocker 8<	18	\$1,848	2023	ĎΟ	End Car Park	Width Change	Church St Nth C/W	Seal	273
Sub Asset Name From To Life Renewal Cost Seal Bishopsbourne Rd QO Illawarra Seal Change 8 2023 \$38,869 Seal Bishopsbourne Rd QO Illawarra Seal Change 8 2023 \$29,224 Seal Bishopsbourne Rd QO Illawarra Willmoures 8 2023 \$29,224 Seal Bond St Campb T Clare End of Seal 8 2023 \$4,935 Seal Bridge St Campb T Clare End of Seal 8 2023 \$5,909 Seal Bridge St Ross Beaufort End of Seal 8 2023 \$6,909 Seal Bridge St Ross Beaufort Parke Waterloo St 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Bridge St Ross Beaufort 8	18	\$3,511	2023	Ċ	Width Change	Divided Rd	Church St Nth C/W	Seal	272
Sub Rom Planned Renewal Renewal Cost Life Renewal Cost Vear (\$) Scal Bishopsbourne Rd QD Illawarra Scal Change 8 2023 \$38,869 Scal Dishopsbourne Rd QD Illawarra Willmores 8 2023 \$49,935 Scal Birdge St Ross Badajos St High 8 2023 \$4,935 Scal Bridge St Ross Badajos St Enid of Scal 8 2023 \$4,935 Scal Bridge St Ross Beaufort Enid of Scal 8 2023 \$4,935 Scal Bridge St Ross Beaufort Enid of Scal 8 2023 \$4,935 Scal Bridge St Ross Beaufort Enid of Scal 8 2023 \$4,935 Scal Bridge St Ross Beaufort Bridge St Ross Beaufort 8 2023 \$4,935 Scal Bridge St Ross Beaufort 8 2023 \$4,536 </td <td>20</td> <td>\$64,030</td> <td>2023</td> <td>ĎQ</td> <td>End of bowl</td> <td>Relbia</td> <td>Caledonia Dr</td> <td>Seal</td> <td>1513</td>	20	\$64,030	2023	ĎQ	End of bowl	Relbia	Caledonia Dr	Seal	1513
Sub Asset Name From To Life Renewal Cost Vear (5) Scal Bishopsbourne Rd Q0 Illawarra Scal Change 8 2023 \$38,869 Scal Bishopsbourne Rd Q0 Illawarra Wilmores 8 2023 \$38,869 Scal Bishopsbourne Rd Q0 Illawarra Wilmores 8 2023 \$4,935 Scal Birdge St Ross Badajos St Hfigh 8 2023 \$4,935 Scal Birdge St Ross Beaufort End of Scal 8 2023 \$4,935 Scal Birdge St Ross Beaufort Parke 8 2023 \$4,939 Scal Bulwer St Burghley BRIDGE 8 2023 \$4,939	18	\$1,082	2023	D0	Stocker	Laycock	BulwerSt	Seal	235
Sub Rom Planned Renewal Renewal Renewal Cost Vear Life Renewal Cost Vear (5) Seal Bishopsbourne Rd QD Illawarra Seal Change 8 2023 \$38,869 Seal Bishopsbourne Rd QD Illawarra Wilmores 8 2023 \$29,224 Seal Bond St Ross Badajos St High 8 2023 \$4,935 Seal Bridge St Ross Beaufort End of Seal 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935 Seal Bridge St Ross Beaufort Parke 8 2023 \$4,935	18	\$4,636	2023	Ď9	BRIDGE	Burghiey	Bulwer St	Sea	721
Sub Rom Planned Renewal Renewal Renewal Cost ItID Category Asset Name From To Life Renewal Cost Seal Bishopsbourne Rd Q0 Illawarra Seal Change 8 2023 \$38,869 Seal Bishopsbourne Rd Q0 Illawarra Wilmores 8 2023 \$29,224 Seal Bend St Campb T Clare Wilmores 8 2023 \$4,935 Seal Bridge St Campb T Clare End of Seal 8 2023 \$1,747 Seal Bridge St Ross Beaufort Parke 8 2023 \$6,909	50	\$4,919	2023	ĎΣ	Waterloo St	Parke	Bridge St Ross	Seal	190
Sub Sub	100	506'9\$	2023	Č9	Parke	Beaufort	Bridge St Ross	Seal	189
Sub Rom Planned Renewal Renewal Cost Planne From To Life Renewal Cost Vears) Year (\$) Seal Bishopsbourne Rd QO Illawarra Seal Change 8 2023 \$38,869 Seal Bishopsbourne Rd QO Illawarra Wilhnores 8 2023 \$29,724 Seal Bond St Rdss Badajos St High 8 2023 \$4,935	18	\$1,747	2023	00	End of Seal	Clare	Bridge St Campb T	Seal	184
Sub Rom Planned Renewal Renewal Cost et ID Category Asset Name From To Life Renewal Cost IVears Year (5) Scal Bishopsbourne Rd Q0 Illawarra Scal Change 8 2023 \$38,869 Scal Dishopsbourne Rd Q0 Illawarra Wilmores 8 2023 \$29,224	18	\$4,935	2023	ÓQ	Tigh	Badajos St	Bond St Rass	Seal	159
Sub Rem Planned Renewal Renewal Cost Category Asset Name From To Life Renewal Cost (5) [Years] Year [5] Scal Bishopsbourne Rd QO Illawarra Scal Change 8: 2023 \$38,869	18	\$29,224	2023	D	Wilmares	00 Illawarra	Bishopsbourne Rd	Seal	130
Sub Rem Planned Renewal Category Asset Name From To Life Renewal Cost (Years) Year (5)	18	\$38,869	2023	ρģ	Seal Change	00 Illawarra	Bishapsbourne Rd	Seal	127
Sub Rom Planned Renewal Cost Category Asset Name From To Use Renewal Cost	(Yea	(\$)	Year	(Years)					
Rem Planned Renewal	=	Cost	Renewal		To	From	Asset Name	Category	Asset ID
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	2023 2023 2023 2023 2023 2023	DO 00	Last House	Seal Change: Murfett St	Saundridge Rd Saundridge St	Seal Seal	1107
	2023 2023 2023 2023 2023	C	·Change	Seal Change:	Saundridge Rd	Seal	1107
	2023 2023 2023			11			
	2023	00	Scal Change	Seal Change:	Sassafras St	Seal	1504
	2023	00	Seal Change	00 Midlands Hwy	Powranna Rd	Seal	1030
	4000	00	Seal Change	00 Midlands Hwy	Powranna Rd	Seal	1028
	5000	to	9.21 E Panshanger	00 Midlands Hwy	Powranna Rd	Seal	1027
	2023	tra	16,76 Barlington	AMI SpuelpiM 00	Powranna Rd	Seal	1034
	2023	(C)	12.77 Bridge	OD Midlands Flwy	Powranna Rd	Seal	1029
	2023	00	Pave Change	Liffey	Pitts Lane	Seal	1015
	2023	UQ.	Youl Main Rd	Seal Change,	Phillip 5t	Seal	1012
	2023	50	Mulgrave St	Midfards Nwy	Phillip St	Seal	1014
	2023	120	Seal Change	Cromwell St	Phillip St	Seal	1011
	2023	00	Culvert	00 Illawarra Rd	Pateena Rd	Seal	994
	2023	00	End	Width Change	Norfolk St	Seal	956
	2023	03	Frederick	Seal Change	Norfolk St	Seal	954
	2023	(50	Seal Change	Drummond St	Norfolk St	Seal	953
	2023	00	Arthur St	Phillip St	Mulgrave St	Seal	899
\$26,338 18	2023	(CO)	Seal Change	00 Barton Rd	Mount Joy Rd	Seal	884
	2023	00	Seal Change	00 Barton Rd	Mount Joy Rd	Seal	988
	2023	DO	Seal Change	00 Barton Rd	Mount Joy Rd	Seal	885
	2023	DO.	Seal Change	00 Barton Rd	MountJay Rd	Seal	887
	2023	to	Seal Change	00 Barton Rd	MountJoy Rd	Seal	8821
	2023	00.	Lewis	Bulwer	Marthorough-St Longford	Seal	842
\$6,781 18	2023	DO	Burghley	Catherine	Malcombe St	Sepl	827
\$1,892 18	2023	DO	End of Seal	00 Green Rises	Maitland La	Seal	818
\$1,814 18	2023	00	End RH K&C	Start RII 大品C	Main St Perth	Seal	813
\$2,705 18	2023	bo.	Sing	Mary	Main St Porth	Seal	807
	2023	00	STATE RESKALD	Clarence	Main-St Perth	Seal	812
\$3,705 18	2023	Do	Gatenby St	Cressy Rd	Macquarie St Cressy	Seal	784
	2023	to	Seal Change	Seal Change	Macquarie River Rd	Seal	754
	2023	00	Seal Change	Pave Change	Macquarie River Rd	Seal	760
\$12,897 18	2023	00	Pave Change	Culvert	Macquario River Rd	Seal	759
	2023	to	20.55 Isis	20.23 Barton	Macquarie River Rd	Seal	763
\$45,368 18	2023	D0	Culvert	13.70 Darlington Park	Macquarie River Rd	Seal	758
\$45,725 18	2023	00	Seal Change	00 Poatina Hwy	Macquarie River Rd	Seal	779
\$17,284 18	2023	DØ .	Seal Change	DD.Poatina Hwy	Macquarie River Rd	Seal	771
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Seal Tooms Lake Rd Seal Change Seal Valleyfield Rd OD Barton Rd Valleyfield Rd DO Barton Rd Verst Cambok La Side Entry Pit Veston St Cressy Valland St Cressy Valland St Cressy Valland St Cressy Valland St Cressy Rd Valleyfield Rd DO Maquarle River Rd Valleyfield Rd DO Maquarle River Rd Valleyfield Rd DO Maquarle River Rd Valleyfield Rd DO Batk Hwy Vanscaled Pavement Story's Creek Rd DO Batk Hwy Vanscaled Pavement Story's Creek Rd DO Batk Hwy Vanscaled Pavement Verwood Rd Bridge Valleyfield Rd Vall									
Seal Tooms Lake Rd Seal Change Tooms Lake Rd Ob Barton Rd Valleyfield Rd Ob Barton Rd Nest Cambok La Seal Change Seal Weilington St Ross Tooms Lake Rd Nest Cambok La Seal Change Seal West Cambok La Seal Change Seal West Cambok La Side Entry Pit Seal William St Canspb. T Mtands H'Way Seal Cambok La Side Rotry Rd Discouled Pavement Delmont Ob Maquarie River Rd Unsealed Pavement Nivelle St Seal Side Fidge St Ross Unsealed Pavement Nivelle St End of Seal Unsealed Pavement Story's Creek Rd Ob Eak Hwy Unsealed Pavement Story's Creek Rd Ob Barton Rd Bridge Story	1234	Seal	Tooms Lake Rd	15,43 Cattle Grid	Seal Change	ĊΟ	2023	\$7,062	
Seal Tooms Lake Rd Seal Change Seal Valleyfield Rd DO Barton Rd Valleyfield Rd Seal Change Seal Wellington St Longford Lewis Wellington St Coss Seal Wellington St Coss Vellington St Coss Seal Wellington St Compb. T Seal Change West Cambok La Main Rd NBL Vest Cambok La Side Entry Pit Weston St Seal William St Crassy Veston St Seal William St Crassy Seal William St Crassy Veston St Seal William St Crassy Seal William St Crassy Seal William St Crassy Veston St Seal William St Crassy Seal William St Cras	1214	Seal	Tooms Lake Rd	Seal Change	Seal Change	ťα	2023	\$7,280	18
Seal Tooms Lake Rd Seal Change Seal Tooms Lake Rd DO Barton Rd Valleyfield Rd Barton Seal Weilington St Ross Tooms Lake Rd Weilington St Ross Tooms Lake Rd West Cambok La Side Entry Pt: Vest Cambok La Side Entry Pt: Vest Cambok La Side Entry Pt: Vest Seal William St Cressy Archar St Seal William St Cressy DO Brumby St Seal William St Cressy DO Deddington Rd Unsealed Pavement Delmont Do Deddington Rd Unsealed Pavement Nivelle St Unsealed Pavement Nivelle St Unsealed Pavement Nivelle St Unsealed Pavement Story's Creek Rd Unsealed Pavement	1227	Seal	Tooms Lake Rd	Seal Change	Seal Change	Õ2	2023	\$25,568	
Seal Tooms Lake Rd Seal Change Seal Tooms Lake Rd Seal Change Seal Toffesse St Seal Valleyfield Rd DO Barton Rd Valleyfield Rd Seal Valleyfield Rd DO Barton Rd Valleyfield Rd DO Barton Rd Valleyfield Rd Seal Valleyfield Rd DO Barton Rd Valleyfield Rd DO Barton Rd Valleyfield Rd DO Barton Rd Valleyfield Rd Seal Valleyfield Rd DO Barton Rd Lewis Seal Valleyfield Rd Delmon St Ross Veilington St Ross Veilington St Ross Veilington St Ross Vest Cambok La Seal Valleyfield Rd Do Barton Rd Valleyfield Rd Do Barton R	1231	Seal	Tooms Lake Rd	Seal Change	Seal Change	Ò9	2023	\$4,896	
Seal Tooms Lake Rd Seal Change Seal Tooms Lake Rd Seal Change Seal Tooms Lake Rd Seal Change Seal Change Seal Valleyfield Rd D0 Barton Rd Seal Valleyfield Rd D0 Barton Rd Valleyfield Rd D0 Barton Rd Seal Wellington St Ross Seal Ross Seal Wellington St Ross Seal Ross Seal Wellington St Ross Tooms Lake Rd West Cambok La Side Entrby St Seal West On St Cressy Rd D0 Brunby St Seal West On St Cressy Rd William St Cressy Rd Cressy Rd Unsealed Pavement Delmont Do Maquarie River Rd Unsealed Pavement Nivelle St Bridge St Ross Unsealed Pavement Nivelle St End of Seal Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Story's Creek Rd D0 Esk Hwy Unsealed Pavement Story's Creek Rd Bridge Story S	1220	Seal	Tooms Lake Rd	Seal Change	Seal Change	00	2023	\$10,098	
Seal Tooms Lake Rd Seal Change Torlasse St Seal Valleyfield Rd D0 Barton Rd Seal Valleyfield Rd D0 Barton Rd Seal Valleyfield Rd D0 Barton Rd West Cambo K La Seal Change Seal Weilington St Ross Tooms Lake Rd Valleyfield Rd Main Rd WBI. Seal West Cambo K La Side Entry Pit West Cambo K La Side Entry Pit Veston St Seal Weiliam St Crassy Veston St Seal William St Crassy Crassy Rd Unscaled Pavement Brizroy St Pt 2 Bridge St Ross Unscaled Pavement Maithand La Unscaled Pavement Nivelle St Unscaled Pavement Nivelle St Unscaled Pavement Story's Craek Rd Unscaled Pavement	1225	Seal	Tooms Lake Rd	Seal Change	Seal Change	Ď9	2023	\$3,876	
Seal Valleyfield Rd DO Barton Rd Valleyfield Rd Barton Seal Wellington St Ross Seal Wellington St Ross Vellington St Coss Seal West Cambok La Main Rd NBL Seal West Cambok La Side Entry Pt: West Cambok La Side Entry Pt: West Cambok La Side Entry Pt: Veston St William St Crassy Seal William St	1232	Seal	Tooms Lake Rd	Seal Change	Seal Change	Ć9	2023	\$8,064	
Seal Valleyfield Rd D0 Barton Rd Seal Valleyfield Rd Barton Seal Wellington St Longford Barton Seal Wellington St Ross Tooms Lake Rd Seal Wellington St Ross Tooms Lake Rd Seal West Cambook La Side Entry Pit Seal West Cambook La Side Entry Pit Seal West Cambook La Side Entry Pit Seal West Cambook La D0 Brumby St Seal West Cambook La Side Entry Pit West Cambook La Side Entry Pit Seal William St Cressy Archar St Seal William St Cressy Archar St Seal William St Cressy Cressy Bridge St Ross Unscaled Pavement Delmont D0 Maquarie River Rd Unscaled Pavement High St Ross D0 Deddington Rd Unscaled Pavement Nivelle St Unscaled Pavement Nivelle St Unscaled Pavement Story's Creek Rd Unscaled P	1537	Seal	Torlesse St	Forster St	Pavement Change	00	2023	\$3,938	16
Seal Valleyfield Rd 00 Barton Rd Valleyfield Rd 00 Barton Rd Seal Valleyfield Rd 00 Barton Rd Seal Valleyfield Rd 00 Barton Rd Seal Valleyfield Rd 00 Barton Rd 25 Seal Valleyfield Rd 10 Barton Rd 25 Seal Wellington St Ross 5 Tooms Lake Rd 25 Seal Wellington St Ross 7 Tooms Lake Rd 25 Seal Wellington St Ross 10 Main Rd NBL 25 Seal West Cambok La 25 Seal Main Rd NBL 25 Seal West Cambok La 25 Seal Main Rd NBL 25 Seal West Cambok La 25 Seal Main Rd NBL 25 Seal West Cambok La 25 Seal Main Rd NBL 25 Seal West Cassy Rd 25 Caresy Rd 26 Seal West Cassy Rd 26 Caresy Rd 27 Seal Welliam St Campb. T Mt ands H'Way 26 Seal West Cambok La 25 Seal West Caresy Rd 26 Caresy Rd 27 Seal Welliam St Campb. T Mt ands H'Way 26 Seal West Cambok La 25 Seal West Caresy Rd 26 Caresy Rd 27 Seal Welliam St Campb. T Mt ands Horer Rd 27 Seal Welliam St Care Rd 27 Seal Seal Welliam St Campb. T Maitland La 20 Green Rises 27 Seal Stary's Creek Rd 27 Seal 2	1315	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	ťΩ	2023	\$18,340	
Seal Valleyfield Rd 00 Barton Rd Seal Valleyfield Rd 00 Barton Rd Seal Valleyfield Rd 00 Barton Rd Seal Wellington St Longford Lewis Seal Wellington St Ross Seal Lhange Seal Wellington St Ross Tooms Lake Rd West Cambook La Side Entry Pit Seal West Cambook La O0 Brumby St Seal West Cambook La Side Entry Pit William St Cressy Cressy Cressy Rd Unsealed Pavement Delmont Do Deadlington Rd Unsealed Pavement Nivelle St St Story's Creek Rd O0 Esk Hwy Unsealed Pavement Story's Creek Rd O0 Esk Hwy	1323	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	0 9	2023	\$4,518	
Seal Valleyfield Rd Do Barton Rd Seal Wellington St Longford Lewis Seal Wellington St Longford Lewis Seal Wellington St Ross Seal Change Seal Wellington St Ross Tooms Lake Rd Seal Wellington St Ross Tooms Lake Rd Seal West Cambok La Main Rd NBL Seal West Cambok La Side Entry Pit Seal West Cambok La Side Entry Pit Seal West Cambok La Side Entry Pit West Cambok La Side Entry Pit Seal West Cambok La Side Entry Pit West Cambok La Side Entry Pit Seal West Cambok La Side Entry Pit West Cambok La Side Entry Pit Seal West Cambok La Side Entry Pit William St Crassy Archer St Crassy Rd Unscaled Pavement Delmont Delmont Do Deddington Rd Unscaled Pavement High St Ross Unscaled Pavement Naltland La Do Green Rises Unscaled Pavement Nivelle St Unscaled Pavement Nivelle St Unscaled Pavement Story's Craek Rd Uns	1324	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	00	2023	\$33,176	
Seal Wellington St. Longford Lewis Seal Wellington St. Longford Seal Change Seal Wellington St. Ross Tooms Lake Rd Seal Wellington St. Ross Tooms Lake Rd Seal Wellington St. Ross Tooms Lake Rd Seal West Cambok La Main Rd MBI. Seal West Cambok La Side Entry Pit Seal West Cambok La Op Brumby St. Seal West Cambok T Mytands H'Way Seal Welliam St. Canpb. T Archar St. Seal William St. Campb. T Archar St. Unscaled Pavement Bryants Lane Op Deadilington Rd Unscaled Pavement Brizzoy St. Pt. 2 Bridge St. Ross Unscaled Pavement High St. Ross Unscaled Pavement Maltland La Unscaled Pavement Nivelle St. Unscaled Pavement Nivelle St. Unscaled Pavement Story's Creek Rd Unscaled Pavement Op Auburn Rd Unscaled Pavement Story's Creek Rd Unscaled Pavement Op Auburn Rd Unscaled Pavement Story's Creek Rd Unscaled Pavement Op Auburn	1327	Seal	Valleyfield Rd	00 Barton Rd	Seal Change	00	2023	\$21,924	
Seal Weilington St Longford Lewis Seal Weilington St Ross Seal Change Seal Weilington St Ross Tooms Lake Rd Seal Weilington St Ross Tooms Lake Rd Seal West Cambok La Main Rd NBL Seal West Cambok La Side Entry Pit West Cambok La Side Entry Pit Seal West Cambok La O0 Brumby St Seal West Cambok La O0 Brumby St Seal William St Crassy Archer St Unsealed Pavement Delmont Dolmont Dolmont Dolmont Dolmont Bridge St Ross Unsealed Pavement High St Ross Anil X Unsealed Pavement Maithand La Dol Green Rises Unsealed Pavement Nivelle St Unsealed Pavement Nivelle St Unsealed Pavement Story's Creek Rd O0 Esk Hwy	1450	Seal	Valleyfield Rd	Barton	Pave Change	00	2023	\$5,916	
Seal Weilington St Ross Seal Weilington St Ross Seal Weilington St Ross Tooms Lake Rd Seal West Cambok La Main Rd NBL Seal West Cambok La Side Entry Pt Seal West Cambok La OD Brumby St Seal West Cambok La OD Brumby St Seal William St Cressy Archor St Seal William St Cressy Rd Unsealed Pavement Bryants Lane Do Deddington Rd Unsealed Pavement Pipt St Ross Unsealed Pavement High St Ross Unsealed Pavement Nivelle St Unsealed Pavement Nivelle St Unsealed Pavement Nivelle St Unsealed Pavement Story's Creek Rd Unsealed Pavement Nivelle St Unsealed Pavement Story's Creek Rd Unsealed Pavement Nivelle St Unsealed Pavement Story's Creek Rd Unsealed	1358	Seal	Wellington St Longford	Lewis	Cracroft CI	DQ.	2023	\$7,985	16
Seal Weilington St Ross Tooms Lake Rd Seal West Cambok La Side Entry Pit Seal West Cambok La Side Entry Pit Seal Weston St DO Brumby St Seal Weston St DO Brumby St Seal Weston St Campb, T Archer St Seal William St Cressy Cressy Cressy Rd Unsealed Pavement Bryants Lane DO Beddington Rd Unsealed Pavement Pith St Ross Unsealed Pavement High St Ross Unsealed Pavement High St Ross Unsealed Pavement Nivelle St Unsealed Pavement Nivelle St Unsealed Pavement Story's Creek Rd	1360	Seal	Wellington St Ross	Seal Change	End of Seal	ťο	2023	\$1,452	18
Seal West Cambok La Main Rd NBL Seal West Cambok La Side Entry Pit Seal West Cambok La OD Brumby Si Seal Weston St DO Brumby St Seal William St Cressy Archor St Seal William St Cressy Archor St Seal William St Cressy Rd Unsealed Pavement Bryants Lane Do Deidlington Rd Unsealed Pavement Delmont Delmont Delmont Unsealed Pavement High St Ross Unsealed Pavement High St Ross Bridge St Ross Unsealed Pavement High St Ross Bridge St Ross Unsealed Pavement Natitand La DO Green Rises Unsealed Pavement Nivelle St End of Seal Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Story's Creek Rd OD Cabburn Rd Unsealed Pavement Story's Creek Rd OD Green Rises Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Story's Creek Rd OD Green Rises Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Story's Creek Rd OD Green Rd Unsealed Pavement Story's Creek Rd	1359	Seal	Wellington St Ross	Tooms Lake Rd	Seal Change	09	2023	\$1,080	
Seal West Cambok La Side Entry Pit Seal Weston St Do Brunby St Seal William St Campb, T Mt and St Hway Seal William St Campb, T Mt and St My Seal William St Cressy Archer St Unscaled Pavement Delmont Majuarie River Rd Unscaled Pavement High St Ross Bridge St Ross Unscaled Pavement Maltiand La DO Green Rises Unscaled Pavement Nivelle St End of Seal Unscaled Pavement Story's Creek Rd DO Esk Hwy Unscaled Pavement Story's Creek Rd DO Esk Hwy Unscaled Pavement Story's Creek Rd DO Esk Hwy Unscaled Pavement Werwood Rd Do Auburn Rd Unscaled Pavement Werwood Rd Bridge Belevore Belevore Do Middlands Hwy Belevore Do Middlands Hwy Do Do Middlands Hwy	1361	Seal	West Cambok La	Main Rd NBL	Side Entry Pit	ĎQ.	2023	\$11,268	30
Seal Weston St DO Brumby St Seal William St Crassy Milliam St Crassy Archar St Seal William St Crassy Archar St Seal William St Crassy Archar St Seal William St Crassy Crassy Rd Unscaled Pavement Bryants Lane St Delmont De	1362	Seal	West Cambok La	Side Entry Pit	Change	00	2023	\$42,912	30
Seal William St Campb, T Mtands HWay Seal William St Cressy Archar St Unscaled Pavement Bryants Lane 00 Deddington Rd Unscaled Pavement Delmont 00 Maquarie River Rd Unscaled Pavement High St Ross Archar St Unscaled Pavement Malthand La 00 Green Rises Unscaled Pavement Nivelle St 00 Green Rises Unscaled Pavement Story's Creek Rd 00 Esk Hwy Unscaled Pavement Werwood Rd 00 Esk Hwy Unscaled Pavement Werwood Rd Bridge High Footpath Church St Röss Ext F/P Milgh Bridge Bellevue 00 Midlands Hwy	1375	Seal	Weston St	00 Brumby St	Pave Change	60	2023	\$5,040	18
Seal William St Cressy Archer St Seal William St Cressy Archer St Seal Wilson St Cressy Rd Unsealed Pavement Bryants Lane 50 Deadlington Rd Unsealed Pavement Delmont 50 Maquarie River Rd Unsealed Pavement High St Ross Unsealed Pavement High St Ross Unsealed Pavement Maltand La 50 Green Rises Unsealed Pavement Nivelle St End of Seal Unsealed Pavement Story's Creek Rd 50 Esk Hwy Unsealed Pavement 55 Ross Ext F/P 60 Midlands Hwy	1386	Seal	William St Campb. T	M'Lands H'Way	East St	00	2023	\$5,867	
Seal Wilson St Cressy Rd Unscaled Pavement Bryants Iane 90 Deddington Rd Unscaled Pavement Delmont 90 Maquarie River Rd Unscaled Pavement Fitzroy St Pt 2 Bridge St Ross Unscaled Pavement High St Ross Rails Unscaled Pavement High St Ross Rails Unscaled Pavement Nivelle St 90 Green Rises Unscaled Pavement Nivelle St End of Scal Unscaled Pavement Story's Creek Rd 90 Esk Hwy Unscaled Pavement Story's Creek Rd 90 Esk Hwy Unscaled Pavement Verwood Rd 90 Auburn Rd Unscaled Pavement Pavement Footpath Church St Ross Ext F/P High Footpath Church St Ross Ext F/P High Beltevue 900 Middlands Hwy Beltevue 900 Middlands Hwy Beltevue 900 Middlands Hwy	1387	Seal	William St Cressy	Archer St	Cressy Rd	00	2023	\$9,049	20
Unsealed Pavement Bryants Lane 50 Deiddington Rd Unsealed Pavement Delmont 50 Maquarie River Rd Unsealed Pavement Fitzroy St Pt 2 Bridge St Ross Unsealed Pavement High St Ross Rail X Unsealed Pavement Maltland La 50 Green Rises Unsealed Pavement Nivelle St End of Seal Unsealed Pavement Story's Creek Rd 50 Esk Hwy Unsealed Pavement Story's Creek Rd 50 Auburn Rd Unsealed Pavement Forward Rd 50 Auburn Rd Unsealed Pavement Fowward Rd	1403	Seal	Wilson St	Cressy Rd	Archer St	00	2023	\$5,478	18
Unsealed Pavement Delmont DD Maquarie River Rd Unsealed Pavement Fitzroy St. Pt. 2 Bridge St. Ross Unsealed Pavement High St. Ross Unsealed Pavement Maltiand La DD Green Rises Unsealed Pavement Nivelle St. End of Seal Unsealed Pavement Story's Creek Rd DD Esk Hwy Unsealed Pavement Story's Creek Rd DD Esk Hwy Unsealed Pavement Verwood Rd DO Esk Hwy Unsealed Pavement Verwood Rd Do Esk Hwy Unsealed Pavement Verwood Rd Bridge Footpath Church St. Röss Ekt F/P High Footpath Church St. Röss Ekt F/P DO Midlands Hwy Bellevue DO Midlands Hwy	206	Unsealed Pavement	Bryants Lane	90 Deddington Rd	Fenceline	60	2023	\$40,000	
Unscaled Pavement Fitzroy St. Pt. 2 Bridge St. Ross Unscaled Pavement High St. Ross Unscaled Pavement High St. Ross Unscaled Pavement Maltland La DO Green Rises Unscaled Pavement Nivelle St. End of Scal Unscaled Pavement Story's Creek Rd DO Esk Hwy Unscaled Pavement Story's Creek Rd DO Esk Hwy Unscaled Pavement Verwood Rd DO Esk Hwy Unscaled Pavement Verwood Rd DO Esk Hwy Unscaled Pavement Footpath Church St. Ross Ext F/P Footpath Church St. Ross Ext F/P Bellevue DO Midlands Hwy Pavement Bellevue DO Midlands Hwy	367	Unsealed Pavement	Delmont	00 Maquarie River Rd	Macquarie Settlement	00	2023	\$39,350	
Unscaled Favement High St Ross Unscaled Favement Maltland La Unscaled Pavement Nivelle St Unscaled Pavement Story's Crock Rd Unscaled Pavement Verwood Rd Unscaled Pavement Verwood Rd Unscaled Pavement Verwood Rd Unscaled Pavement Story's Crock Rd Unscaled Pavement Others Rd Unscaled Pavement Oth	1558	Unscaled Pavement	Filtzroy St Pt 2	Bridge St Ross	Gate	60	2023	\$1,575	20
Unscaled Pavement Maitland La 00 Green Rises Unscaled Pavement Nivelle St End of Scal Unscaled Pavement Stary's Creek Rd 00 Esk Hwy Unscaled Pavement Stary's Creek Rd 00 Esk Hwy Unscaled Pavement Verwood Rd 00 Auburn Rd Unscaled Pavement Verwood Rd Bridge Unscaled Pavement Verwood Rd Bridge Feotpath Church St Röss Ekt F/P High Pavement Bellevue 00 Midlands Hwy Pavement Bellevue 00 Midlands Hwy	564	Unscaled Pavement	High St Ross	Rall X	Park	00	2023	\$2,025	20
Unsealed Pavement Nivelle St End of Seal Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Story's Creek Rd OD Esk Hwy Unsealed Pavement Verwood Rd OO Auburn Rd Unsealed Pavement Verwood Rd Bridge Feotpath Church St Räss Ext F/P High Pavement Bellevue OO Midlands Hwy Pavement Bellevue OO Midlands Hwy	817	Unscaled Pavement	Maltland La	00 Green Rises	Start of Seal	00	2023	\$19,000	20
Unscaled Pavement Story's Creek Rd 00 Esk Hwy Unscaled Pavement Story's Creek Rd 00 Esk Hwy Unscaled Pavement Verwood Rd 00 Auburn Rd Unscaled Pavement Verwood Rd Bridge Footpath Church St Rass Ext F/P High Pavement Believue 00 Midlands Hwy Pavement Roder Control Contr	952	Unscaled Pavement	Nivelle St	End of Seal	End	100	2023	\$270	20
Unscaled Pavement Story's Creek Rd O0 Esk Hwy Unscaled Pavement Verwood Rd O0 Auburn Rd Unscaled Pavement Verwood Rd Bridge Unscaled Pavement Verwood Rd Bridge Footpath Church St Rdss Ext F/P High Pavement Believue O0 Midlands Hwy Pavement Rodales O0 Midlands Hwy	1176	Unscaled Pavement	Story's Creek Rd	OD Esk Hwy	Change	00	2023	\$24,075	10
Unsealed Pavement Verwood Rd 00 Auburn Rd Unsealed Pavement Verwood Rd Bridge Footpath Church St Ross Ext F/P High Pavement Believue 00 Midlands Hwy Pavement Believue 00 Midlands Hwy	1177	Unscaled Pavement	Story's Creek Ad	OD Esk HWY	Drain	00	2023	\$52,986	10
Unscaled Pavement Verwood Rd Bridge Footpath Church St Ross Ext F/P High Pavement Church St Ross Ext F/P ON Midlands Hwy Pavement Church St Ross Ext F/P ON Midlands Hwy Pavement Church St Ross Ext F/P ON Midlands Hwy	1331	Unscaled Pavement	Verwood Rd	'00 Auburn Rd	Change	00	2023	\$15,300	
Footpath Church St Ross Ext F/P High Pavement Belevus O0 Mid-lands Hwy	1333	Unscaled Pavement	Verwood Rd	Bridge	Ends at Gate	5 0	2023	\$8,375	
Footpath Church St Rdss Ext F/P High Pavement Bollevue 00 Midlands Hwy							Subtrate	23,388,63	
Pavement Believue 00 Midlands Hwy	1438.3	Footpath	Church St Ross Ext F/P	High	Change	ú	2024	\$2,484	K1
Date of the second	1119	Pavement	Bellevue	www.sbnelbim.co	Ends at Gate	ú	2024	\$264,690	80
המעפור הפתחוצים היים איני הסמיי	341	Pavenient	Deddington	00 Nile Road.	Seal Change	Ó	2024	\$305,100	70

Pavement Decisingrom	\$29,4	2024	9	20.23 Barton	18:99 Rothbury	Macquarle River Rd	Seal	762
Pavement Deddington Do Alie Road Seal Change Sea	\$24,3	2024	ю	Seal Change	DD Poatina Hwy	Macquarle River Rd	Seal	765
Pavement Deddington Do Mile Road Rem Planned Pavement Deddington Do Mile Road Seal Change Seal	\$12,9	2024	'lo	Seal Change	00 Bishapbourne Rd	Liffey Rd	Seal	597
Pavement Deddington	\$23,8	2024	40	3.91 Green Rises	00 Bishophourne Rd	Liftey Rd	Sea	869
Pavement Deddington	\$41,4	2024	ъ	2.10 Piets	00 Bishapbourne Rd	Liftey Ad	Seal	596
Pavement Decidington Do Nile Road Devon Hills De	\$5,50	2024	10	Wellington St	Horne	Lewis St	Sea	594
Sub Asset Name From To Uter Romaya Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills .00 Nile Road Seal Change 9 2024 Pavement Glenesk Rd .00 Nile Rd Seal Change 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement Macquarie Biver Rd Audendarie Seal Change 9 2024 Pavement Macquarie Biver Rd Pavement Seal Change 9 2024 Pavement Audendarie Barclay Gatenly St Condition Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Seal Royal George 00 St Pauls SBL Seal Change </td <td>\$16,7</td> <td>2024</td> <td>ф</td> <td>Seal Change</td> <td>Seal Change</td> <td>Green Rises</td> <td>Seal</td> <td>520</td>	\$16,7	2024	ф	Seal Change	Seal Change	Green Rises	Seal	520
Sub Asset Name From To Ule Rem Plannad Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills .00 Nile Road Loop Rd 9 2024 Pavement Green Rises Add Change 9 2024 Pavement High's Evendole Bardlay Seal Change 9 2024 Pavement Macquarie St.Cress Garchly St Seal Change 9 2024 Pavement Macquarie St.Cress Garchly St Condition Change 9 2024 Pavement Royal George 05 2 Pauls SBL Seal Change 9 2024 Pavement Royal George 05 2 Pauls SBL Seal Change 9 2024 Pavement Royal George 05 2 Pauls SBL Seal Change 9 2024 Pavement Royal George 05 2 Pauls SBL Seal Change 9 2024 Seal Royal George 05 2 Pauls SBL Seal Change </td <td>518,9</td> <td>2024</td> <td>LD:</td> <td>End of Bowl</td> <td>MalcombeSt</td> <td>Gemiliu Crt.</td> <td>Seal</td> <td>462</td>	518,9	2024	LD:	End of Bowl	MalcombeSt	Gemiliu Crt.	Seal	462
Sub Asset Name From To Ultr Rem Planned Pavement Deddington 00 Mile Road Seal Change 9 2024 Pavement Glenesk Rd 00 Mile Road Seal Change 9 2024 Pavement Glenesk Rd 00 Mile Rd Loop Rd 9 2024 Pavement High St. Evendoloc Barclay Seal Change 9 2024 Pavement Macquarie St. Cressy Barclay Russell 9 2024 Pavement Macquarie St. Cressy Gatenye Seal Change 9 2024 Pavement Macquarie St. Cressy Gatenye 9 2024 Pavement Royal George 00 St Pauls SBL Condition Change 9 2024 Pavement Royal George 00 St Pauls SBL Condition Change 9 2024 Pavement Royal George 00 St Pauls SBL Conditions Change 9 2024 Pavement Royal George 00 St Pauls SBL Cold Seal Change	59,9	2024	10	Torlesse St	Montagu	Forster St	Seal	451
Sub Asset Name From To Ulter Ranewal Pavement Deddington DO Nife Road Seal Change 9 2024 Pavement Devon Hills 00 Midlands Hwy Seal Change 9 2024 Pavement Glenesisk Rd 00 Midlands Hwy Seal Change 9 2024 Pavement High St. Evendrage Barclay Seal Change 9 2024 Pavement Macquarie St. Cressy Barclay Seal Change 9 2024 Pavement Macquarie River Rd Pave Cranage Seal Change 9 2024 Pavement Macquarie River Rd OD Woolmers Seal Change 9 2024 Pavement Macquarie Rorge OD St Pauls SBL Cendition Change 9 2024 Pavement Royal George OD St Pauls SBL Seal Change 9 2024 Pavement Royal George OD St Pauls SBL Seal Change 9 2024 Pavement Royal George OD St Pauls SBL Seal Cha	\$583	2024	ю	Bridge St	Change	Esplanade Camp. T	Seal	423
Sub Asset Name From To Ule Ram Planned Ravement Deddington D0 Mile Road Seal Change 9 2024 Pavement Devon Hilis 00 Mile Road Seal Change 9 2024 Pavement Giznensk Rd 00 Mile Rd Seal Change 9 2024 Pavement High St Evendolic Barclay Loop Rd 9 2024 Pavement High St Evendolic Barclay Road Change 9 2024 Pavement High St Evendolic Barclay Road Change 9 2024 Pavement High St Evendolic Barclay Russell 9 2024 Pavement High St Evendolic Barclay Russell 9 2024 Pavement Macquarie St Cressy Gastelnys's Condition Change 9 2024 Pavement Royal George 00 St Pauls SBL Condition Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal C	\$22,6	2024	tò	Pave Change	Seal Change	Elphinstone Rd	Sea	403
Sub Accet Name From To Ule Rem Planned Pavement Deddington	\$16,9	2024	to	Seal Change	00 Green Rises Rd	Elphinstone Rd	Seal	405
Sub Assoct Name From To Ulle Ramewol Pavement Deddington Do Nile Road Seal Change 9 2024 Pavement Gireen Rises Change 9 2024 Pavement Gireen Rises Change 9 2024 Pavement High St Evendole Barclay Seal Change 9 2024 Pavement Macquarie River Rd OO Nile Road Seal Change 9 2024 Pavement Girene Rises Change 9 2024 Pavement Macquarie River Rd OO Nile Road Seal Change 9 2024 Pavement Macquarie River Rd OO Modilands SBL Seal Change 9 2024 Pavement Royal George OD St Pauls SBL Condition Change 9 2024 Pavement Royal George OD St Pauls SBL Condition Change 9 2024 Pavement Royal George OD St Pauls SBL Condition Change 9 2024 Seal <	\$17,3	2024	10	Seal Change	00 Green Rises Rd	Elphinstone Rd	Seal	404
Sub Asset Name From To Life Renewal Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills .00 Nile Road Seal Change 9 2024 Pavement Green Rises .00 Nile Road Seal Change 9 2024 Pavement High St Evendale .00 Nile Road Seal Change 9 2024 Pavement High St Evendale .00 Nile Road Seal Change 9 2024 Pavement High St Evendale .00 Nile Road Seal Change 9 2024 Pavement High St Evendale .00 Nile Road Seal Change 9 2024 Pavement Macquarie Siver .00 St Pauls Sit Condition Change 9 2024 Pavement Royal George .00 St Pauls Sit Seal Change 9 2024 Pavement Royal George .00 St Pauls Sit Seal Change 9 2024 Seal Auburn Rd .00 St Pauls Sit	\$4,13	2024	to	Nelson	Seal Change	Cromwell St	Seal	332
Sub Asset Name From To Ule Rem Planad Pavement Deddington	\$7,84	2024	ю	Phillip St	Nelson	Cromwell St	Seal	333
Sub Asset Name From To Ule Remeval Plannad Pavement Deddington D0 Mile Road Seal Change 9 2024 Pavement Devon Hillis 00 Mile Road Seal Change 9 2024 Pavement Glenesk Rd 00 Mile Road Loop Rd 9 2024 Pavement High St Evendale Barday Loop Rd 9 2024 Pavement High St Evendale Barday Russeli 9 2024 Pavement High St Evendale Barday Russeli 9 2024 Pavement High St Evendale Barday Russeli 9 2024 Pavement Macquarie River Rd Getenhyst Condition Change 9 2024 Pavement Royal George G0 St Pauls SBL Condition Change 9 2024 Pavement Royal George G0 St Pauls SBL Seal Change 9 2024 Pavement Royal George G0 St Pauls SBL Seal Change	\$13,3	2024	to	Murtett	Charles St	Church St Cressy	Sea	271
Sub Asset Name Frimm To Ulie Remeval Planned Pavement Deddington DO Mile Road Seal Change 9 2024 Pavement Glenesk Rd OO Mile Rd Loop Rd 9 2024 Pavement Glenesk Rd OO Mile Rd Loop Rd 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie St Cressy Garenby St Condition Change 9 2024 Pavement Royal George Pave Change Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL <	\$42,5	2024	lp	Spencer	DO Powaranna	Chintah Rd	Seal	262
Sub Asset Name From To Life Rameval Pavement Deddington DO Mile Road Seal Change 9 2024 Pavement Devon Hillis OD Mile Road Seal Change 9 2024 Pavement Glenesk Rd OD Mile Road Seal Change 9 2024 Pavement High St Evendable Barclay Loop Rd 9 2024 Pavement High St Evendable Barclay Seal Change 9 2024 Pavement Macquarie St Cressy Darclay Seal Change 9 2024 Pavement Macquarie St Cressy Pavement Royal George 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change	\$28,18	2024	10	Change	00 Powaranna	Chintah Rd	Seal	258
Sub Asset Name From To Life Rameval Pavement Deddington .00 Mile Road Seal Change 9 2024 Pavement Devon Hills 00 Mile Road Seal Change 9 2024 Pavement Gilenesk Rd 00 Mile Road Seal Change 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Panshanger Rd Pave Change Seal Change 9 2024 Pavement Panshanger Rd 00 Voolinears Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change	\$9,80	2024	Ü	Seal Change	15 agbirbrues	Charles St Cressy	Seal	251
Sub Asset Name From To Life Rameval Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills .00 Nile Road Seal Change 9 2024 Pavement Glensask Rd .00 Nilei Rd Seal Change 9 2024 Pavement High St Evendrale Barclay Seal Change 9 2024 Pavement High St Evendrale Barclay Russeli 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie Rd Pave Change Seal Change 9 2024 Pavement Royal George Gatenby Sr Condition Change 9 2024 Pavement Royal George OD St Pauls SBL Seal Change 9 2024 Pavement Royal George OD St Pauls SBL Seal Change	\$1,94	2024	6	End of Seal	90 Brickendon	Brumby St	Seal	201
Sub Asset Name From To Life Rameval Pavement Deddington .00 Mile Road Seal Change 9 2024 Pavement Devon Hillis .00 Mile Road Loop Rd 9 2024 Pavement Glenesk Rd .00 Mile Road Loop Rd 9 2024 Pavement Glenesk Rd .00 Mile Road Loop Rd 9 2024 Pavement Glenesk Rd .00 Mile Road Loop Rd 9 2024 Pavement High St Evendale Barday Loop Rd 9 2024 Pavement Macquarie River Rd Barday Russoil 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie Rd 9 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 2024 <	\$9,15	2024	Ф	Change	Charch WBL	Bridge St S/R	Sea	192
Sub Asset Name From To Life Rameval Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hillis .00 Nile Road Loop Rd 9 2024 Pavement Glenesk Rd .00 Nile Rd Loop Rd 9 2024 Pavement Hilgh St Evendale Barclay Seal Change 9 2024 Pavement Hilgh St Evendale Barclay Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie Rd OV Woolmers Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Old Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change	\$17,94	2024	9	2.20 Stoneycroft	00 Saunderidge	Blackwood, Creek Rd	Seal	142
Sub Acset Name From To Life Rameval Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills 00 Mile Road Loop Rd 9 2024 Pavement Gienesk Rd 00 Mile Road Loop Rd 9 2024 Pavement Green Rises Change Seal Change 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie St Cressy Gatenby St Condition Change 9 2024 Pavement Panshanger Rd Pave Change Seal Change 9 2024 Pavement Royal George 00 Woolmers Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9	\$2,78	2024	ю	Seal Change	00 Illawarra	Bishopsbourne Rd	Seal	126
Sub Acset Name From To Life Rameval Pavement Deddington .00 Nife Road Seaf Change 9 2024 Pavement Devon Hills 00 Midlands Hwy Loop Rd 9 2024 Pavement Genensk Rd 00 Midlands Hwy Seaf Change 9 2024 Pavement High St Evendole Barclay Seaf Change 9 2024 Pavement High St Evendole Barclay Seaf Change 9 2024 Pavement High St Evendole Barclay Russell 9 2024 Pavement High St Evendole Barclay Russell 9 2024 Pavement Macquarie River Rd Pave Change Seaf Change 9 2024 Pavement Panshanger Rd Pave Change Seaf Change 9 2024 Pavement Panshanger Rd Do Woolmers Seaf Change 9 2024 Pavement Royal George 00 St Pauls SBL Seaf Change 9	\$3,98	2024	ю	Seal Change	00 Midlands Hwy	Auburn Rd	Seal	55
Sub Asset Name From To Life Rameval Pavement Deddington .00 Nile Road Seaf Change 9 2024 Pavement Devon Hills 00 Nile Road Loop Rd 9 2024 Pavement Glenask Rd 00 Nile Rd Seaf Change 9 2024 Pavement High St Evendale Barday Seaf Change 9 2024 Pavement High St Evendale Barday Russell 9 2024 Pavement Macquarie River Rd Pave Change Seaf Change 9 2024 Pavement Panshanger Rd Pave Change Seaf Change 9 2024 Pavement Panshanger Rd Pave Change Seaf Change 9 2024 Pavement Paventager Rd Ob St Pauls SBL Condition Change 9 2024 Pavement Royal George 00 St Pauls SBL Seaf Change 9 2024 Pavement Royal George 00 St Pauls SBL Seaf Change <td< td=""><td>\$6,76</td><td>2024</td><td>lp</td><td>Bolitree</td><td>00 Midlands Hwy</td><td>Auburn Rd</td><td>Seal</td><td>77</td></td<>	\$6,76	2024	lp	Bolitree	00 Midlands Hwy	Auburn Rd	Seal	77
Sub Asset Name From To Life Rameval Pavement Deddington .00 Mile Road Seal Change 9 2024 Pavement Devon Hills .00 Mile Road Loop Rd 9 2024 Pavement Glenesk Rd .00 Mile Rd Loop Rd 9 2024 Pavement Glenesk Rd .00 Mile Rd Seal Change 9 2024 Pavement Green Rises Change Seal Change 9 2024 Pavement High St Evendole Barclay Russoil 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie River Rd Seal Change 9 2024 Pavement Royal George 00 St Pauls StBL Seal Change 9 2024 Pavement Royal George 00 St Pauls StBL Seal Change 9 2024 <	\$178,5	2024	Ų0	Dalmess	Seal Change	White Hills Rd.	Pavement	1379
Sub Asset Name From To Life Renewal Planned Pavement Deddington D0 Mile Road Seal Change 9 2024 Pavement Devon Hillis 00 Mile Road Loop Rd 9 2024 Pavement Glenesk Rd 00 Mile Rd Seal Change 9 2024 Pavement High St. Evenbride Barclay Russoli 9 2024 Pavement High St. Evenbride Barclay Russoli 9 2024 Pavement Macquarie River Rd Barclay Russoli 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Fanshanger Rd Pave Change Seal Change 9 2024 Pavement Royal George 00 Voolmers Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Seal Change <td>\$115,5</td> <td>2024</td> <td>ф</td> <td>Seal Change</td> <td>00 St Pauls: SBL</td> <td>Royal George</td> <td>Pavement</td> <td>1086</td>	\$115,5	2024	ф	Seal Change	00 St Pauls: SBL	Royal George	Pavement	1086
Sub Asset Name From To Life Reneval Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills 00 Midlands Hwy Loop Rd 9 2024 Pavement Green Rises Q0 Nile Rd Seal Change 9 2024 Pavement Green Rises Change Seal Change 9 2024 Pavement High St Evendalle Barclay Russoil 9 2024 Pavement Macquarie River Rd Barclay Russoil 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Panshanger Rd 90 Woolmers Seal Change 9 2024 Pavement Royal George 00 Woolmers Seal Change 9 2024 Pavement Royal George 00 St Pauls SBL Old Seal Change 9 <td>\$242,11</td> <td>2024</td> <td>Ф</td> <td>Seal Change</td> <td>00 St Pauls SBL</td> <td>Royal George</td> <td>Pavement</td> <td>1080</td>	\$242,11	2024	Ф	Seal Change	00 St Pauls SBL	Royal George	Pavement	1080
Sub Acset Name From To Life Remeval Planned Category Acset Name From To Life Reneval Pavement Devon Hills .00 Nile Road Seal Change 9 2024 Pavement Devon Hills 00 Mile Road Loop Rd 9 2024 Pavement Gienesk Rd 00 Mile Rd Seal Change 9 2024 Pavement High St Evendale Barclay Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie St Cressy Gatenby St Condition Change 9 2024 Pavement Parkhanger Rd 00 Woolmers Seal Change 9 2024 Pavement Parkhanger Rd 00 Woolmers Seal Change 9 2024	\$156,7	2024	10	Old Seal Change	00 St Pauls SBL	Royal George	Pavement	1087
Sub Asset Name From To Life Remayal Category Asset Name From To Life Reneval Payement Deddington .00 Nife Road Seal Change 9 2024 Pavement Devon Hills 00 Midlands Hwy Loop Rd 9 2024 Pavement Gilenesk Rd 00 Midlands Hwy Seal Change 9 2024 Pavement Gilenesk Rd 00 Midlands Hwy Seal Change 9 2024 Pavement High St Evendale Barclay Rusself 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie St Cressy Gatenby St Condition Change 9 2024	\$267,3	2024	9	Seal Change	00 Woolmers	Panshanger Rd	Pavement	979
Sub Asset Name From To Life Ramewal Category Asset Name From To Life Ramewal Pavement Deddington .00 Nile Road Seal Change 9 2024 Pavement Devon Hills .00 Nile Road Loop Rd 9 2024 Pavement Glenssk Rd .00 Nile Rd Seal Change 9 2024 Pavement Green Rises .00 Nile Rd Seal Change 9 2024 Pavement High St Evendale Barclay Russell 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024 Pavement Macquarie River Rd Pave Change Seal Change 9 2024	\$38,17	2024	ю	Condition Change	Gatenby St	Macquarie St. Cressy	Pavement	785
Sub Asset Name From To Life Renewal Rem Planned Category Asset Name From To Life Renewal Years Yea	\$262,3	2024	9	Seal Change	Pave Change	Macquarie River Rd	Pavement	760
Sub Asset Name From To Life Renewal Rem Planned Category Asset Name From To Life Renewal Years Yea	\$58,88	2024	9	Russell	Barclay	High St Evendale	Pavement	550
Sub Asset Name From To Life Reneval Category Asset Name From 10 Life Reneval Payement Deddington Do Nife Road Seal Change 9 2024 Pavement Devon Hills 00 Midiands Hwy Loop Rd 9 2024 Pavement Glenesk Rd 00 Nife Rd Seal Change 9 2024	\$148,5	2024	10	Seal Change	Change	Green Rises	Ravement	525
Sub Rem Planned Category Asset Name From To Life Renewal (Years) Year Year Years Years Pavement Decidington .00 Mile Road Seal Change 9 2024 Pavement Devon Hills 00 Mildlands Hwy Loop Rd 9 2024	\$256,5	2024	9	Seal Change	OO Niie Rd	Glenesk Rd	Pavement	496
Sub Rem Planned Category Asset Name From To Life Renewal (Years) Year Pavement Deddington .00 Nile Road Seal Change 9 2024	\$203,4	2024	9	Loop Rd	00:Midlands Hwy	Devon Hills	Ravement	369
Sub Rem Planned Category Asset Name From To Use Renewal (Years) Year	\$331,5	2024	9	Seal Change	.00 Nife Road	Deddington	Pavement	340
Sub Rem Planned Category Asset Name From To Life Renewal	(\$)	Year	(Years)					
Rem Planned	Cost	Renewal		To	From	Asset Name	Category	Asset ID
	Raney	Planned	Rem				Sub	Ī

10	\$5,225	2024	ß	Seal	Stanhope	Story's Creek Rd	Unscaled Pavement	1179
	\$36,750	2024	10	Stanhope	OD Esk Hwy	Story's Creek Rd	Unscaled Pavement	1178
10	\$29,375	2024	100	Nile Rd	00 Deddington Rd	Bryants Lane	Unscaled Pavement	211
10	\$34,125	2024	LD.	Gate RHS	00 Deddington Rd	Bryants Lane	Unscaled Pavement	210
10	\$34,088	2024	B	Double Gate LHS	OD Deddington Rd	Bryants Lane	Unscaled Pavement	209
64	\$40,000	2024	υ	Change	00 Deddington Rd	Bryants Lane	Unscaled Pavement	207
18	\$56,296	2024	9	Property Ent.	00 Midlands Hwy	Woolmers La	Seal	1411
100	\$16,576	2024	υj	Bridge Ctr	OD Midlands Hwy	Woolners La	Seal	1415
	\$3,210	2024	9	Frederick St	Talisker St	William St Perth	Seal	1392
	\$2,234	2024	ம	Dryden	Old Punt Rd	William St Perth	Seal	1390
16	\$3,854	2024	LC)	Elizabeth St	Frederick St	William St Perth	Seal	1393
16	\$2,621	2024	10	Talisker St	Dryden	William St Perth	Seal	1391
	\$5,460	2024	ю	Lewis	Bulwer	Wellington St Longford	Seal	1357
18	\$15,956	2024	ω	Seal Change	00 Barton Rd	Valleyfield Rd	Seal	1326
18	\$7,344	2024	9	Seal Change	Seal Change	Tooms Lake Rd	Seal	1213
20	\$84,538	2024	Upi	Seal Change	Seal Change	Tooms Lake Rd	Seal	1221
20	\$49,201	2024	9	Bridge	Seal Change	Tooms Lake Rd	Seal	1222
	\$13,984	2024	(a	Bend Right	00 Hawarra Rd	Tannery La	5eal	1200
	\$26,760	2024	b	Seal Change	OD Midlands Hwy	Powranna Rd	Seal	1026
7.4	\$15,750	2024	Q)	Cressy Main Rd	00 Midlands Hwy	Powranna Rd	Seal	1036
	\$30,267	2024	(p	Seat Change	Seal Change	Mount Joy Rd	Seal	1585
	\$17,214	2024	to	Sgal Change	00 Barton Rd	MountJoy Rd	Seal	892
	\$5,488	2024	Ф	Seal Change	00 Barton Rd	Mount Joy Rd	5621	894
1.1	\$1,916	2024	ΙĐ	Bulwer	Mobhouse	Mariborough St Longford	Seal	841
	888,88	2024	(p	End K&C	Cracroft	Mariberough St Longford	5021	845
	\$2,604	2024	(D)	Talisker	Scone	Main St Perth	Seal	018
	\$5,523	2024	φ	Frederick	King	Main St Perth	Seal	808
Treats	14)		(const)					
CV.	2	Your	(Vanne)					
등	Cost	Renewal	Life	б	From	Asset Name	Category	Asset ID
Userui	Renewal	Rem Planned	Rem				nne	

Appendix B Projected 10 year Capital Upgrade/New Works program

-77-

ected I	2015 cn\$5,127	2016	2017	2018	2019 \$722	2020 \$2.502	2021 \$2.300	2022	2023	390
Capital Expenditure Renewal/Replacement of existing assets	on\$5,127 'S	\$3,201	\$364	\$1,751	\$722	\$2,502	\$2,300	\$3,477		\$3,390
Capital Expenditure on Upgrade/New\$550 assets	New\$550	\$550	\$550	\$550	\$550	\$550	\$550	\$550		\$550
Operational cost of existing assets	\$395	\$395	\$395	\$395	\$395	\$395	\$395	\$395		\$395
Maintenance cost of existing assets	\$2,280	\$2,280	\$2,280	\$2,280	\$2,280	\$2,280	\$2,280	\$2,280		\$2,280
Operational cost of New assets	\$0	15	\$3	\$4	\$5	\$7	\$8	\$9		\$11
Maintenance cost of New assets	\$0	\$	\$16	\$23	\$31	\$39	\$47	\$55		\$62
Disposal of Surplus assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1	\$0

Appendix C LTFP Budgeted Expenditures Accommodated in AM Plan

From From IX	The Parity of State	Forcest Coast Revenue			The second secon	Library Communication and	Carried Language Carried Reservoir		O THE PROPERTY OF THE PARTY OF	Characteristic terrore	- Addition Superstant Catters required			では、大学のでは、これには、これでは、これでは、これでは、これでは、これでは、これには、これには、これには、これには、これには、これには、これには、これに	East Constitut disposes of assista	Non-growth contributed exact value	- Maint and second prodest		Captini Chancel reserves budget	Tetal maintanance	Strain new Interest their budget	Souther manage to be brigged wheeled management budged	feld spirations		Committees Committees that is breakpail With region and hard god Althogonesis breakpail Althogonesis breakpail		Financial year-ending	Transport_Si_Vi France the sales of terminates of the North Capening Autoropies finance of the sales of terminates of the North Capening Autoropies finance of the sales of terminate period Caretti replacement cas Capeninated replacement cas Capeninated replacement cas Capeninated replacement cas Aread approximate replacement cas Aread approximate replacement to LYFP 20 Year Expectations Projections Italian di vibratic in current
	也	1000	2015	Furecases for Capital Renewal using Methods 2 & 3 (Form 24 & 20) & Capital Upgrade (Form 25)			to the proposition that if Service 2 B 2.1 (where there is a supply Oil Form 28 Define Repairs (where there is 2 G and				2015 2016	Additional Expanditure Outleys Regulpunents (e.g. from Infrastructure Risk Massgement Plan		22	88	22	STEE BEST		27.041 27.340	12.150 ST.150	20	ants and	SEE 9755			Expenditure Outlays Included in Long Term Financial Plan (in current 5 values)	2000 2006 2000 2006	ACT
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Appendix D Planned Expenditure for LTFP

	2030	2029	2028	2027	2026	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	Year End Tota
	\$686.47	\$684.05	\$681.62	\$679.20	\$676.78	\$674.35	\$671.93	\$669.51	\$667.08	\$664.66	\$662.23	\$659.81	\$657.39	\$654.96	\$652.54	\$650.12	\$647.69	\$645.27	\$642.85	\$640.42	Total Operations Expenditure (\$'000)
	\$2,044.34	\$2,037.13	\$2,029.91	\$2,022.69	\$2,015.48	\$2,008,26	\$2,001.04	\$1,993.82	\$1,986.61	\$1,979.39	\$1,972.17	\$1,964.95	\$1,957.74	\$1,950.52	\$1,943.30	\$1,936.09	\$1,928.87	\$1,921.65	\$1,914.43	\$1,907.22	Total Maintenance Expenditure (\$'000)
\$69,105.92	\$3,240.30	\$2,833.24	\$5,848.83	\$2,199.96	\$1,104.75	\$4,105.37	\$3,522.60	\$3,146.03	\$6,536.13	\$3,558.32	\$2,781.53	\$2,648.09	\$1,849.08	\$4,177.64	\$5,196.26	\$2,989.95	\$2,550.42	\$3,288.23	\$1,713.44	\$5,815.75	Projected Capital Planned Capital Planned Planned Planned Planned Expenditure (\$'000) (\$'000)
\$9,186.80	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	\$459.34	Planned Capital Upgrade/ New Expenditure (\$'000)
1	\$0.00	\$0.00	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0,00	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	Planned Disposals (\$'000)
\$65,860.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	\$3,293.00	Planned Capital Renewal Expenditure (\$'000)
\$3,245.92	-\$52.70	-\$459.76	\$2,555.83	-\$1,093.04	-\$2,188.25	\$812.37	\$229.60	-\$146.97	\$3,243.13	\$265.32	-\$511.47	-\$644.91	-\$1,443.92	\$884.64	\$1,903.26	-\$303.05	-\$742.58	-\$4.77	-\$1,579.56	\$2,522.75	Shortfall in Renewal Expenditure (Projected - Planned) (\$'000)
	\$3,245.93	\$3,298.63	\$3,758.39	\$1,202.56	\$2,295.60	\$4,483.85	\$3,671.48	\$3,441.88	\$3,588.84	\$345.71	\$80.40	\$591.86	\$1,236.77	\$2,680.70	\$1,796.05	-\$107.21	\$195.84	\$938.42	\$943.19	\$2,522.75	Cumulative Renewal Funding Shortfall (\$'000)

Appendix E Road Hierarchy and Target Design Standards

-80-

Road Hierarchy Categories	Sub-Categories	Description of Categories	Target Design Standards
Category 5: Arterial State Govt. Responsibility	State Arterials	 Function is to carry the heaviest volumes of traffic, including commercial vehicles, and provide the principal routes for traffic flows in and around the municipality. These come under the jurisdiction of DIER and as such maintenance of the road pavement & surface is not the responsibility of Council. 	
Category 4:	Link Road	 Link roads provide the linkage between centres and they are supplementary to the arterial road system within the municipal area. Link roads generally have a relatively high vehicle count. 	 6.2m wide seal; 1.0m wide shoulders; Pavement designed in accordance with DEIR Guide to Pavement Design, Technical Bulletin No.37
Tilly Doduc	Industrial Road	 Industrial roads provide heavy vehicle access directly to industries (including forestry) and have a high heavy vehicle count. 	 6.2m wide seal; 1.0m wide shoulders; Pavement depth in accordance with Technical Bulletin No.37
Category 3: Collector Roads	Collector – Sealed	 Carry moderate volumes of traffic and provide access by linking local areas to link and arterial roads. They also provide links between the various collector roads. They should have limited through traffic (this is not promoted or encouraged). 	 5.5m. wide seal; Rehabilitation to existing standard; Pavement depth in accordance with Technical Bulletin No.37
	Collector – Gravel	 Carry moderate volumes of traffic and provide access by linking local areas to link and arterial roads. 	5.5m width pavement;Resheeting depth 100 mm
Category 2: Local Access	Access - Sealed	 Primary function is to provide access to properties; They cater for relatively short distance travel to higher level roads. 	 4.8m wide seal; Rehabilitation to existing standard; Pavement depth in accordance with Technical Bulletin No.37
Roads	Access – Gravel	 Primary function is to provide access to properties; They cater for relatively short distance travel to higher level roads. 	4.8m width pavement;Resheeting depth 75 mm
Category 1: Low Maintenance Lanes and Tracks	Limited Access Roads	 Provide secondary property access 	 4.5m width pavement (sealed & gravel); Resheeting depth 75 mm (gravel)
Non Council	Crown Road Reserves	 In Crown or private ownership, so not a Council responsibility 	
Responsibility	Private Roads & Lanes	 In private ownership/control, so not a Council responsibility. 	

Appendix F Inspection Requirements Reference sources for descriptions: Road Management Act 2004 (Victoria) International Infrastructure Management Manual – Australia/NZ Edition 2002 UK Highway Code of Practice for Maintenance Management 2001

Inspection Type	Purpose	Inspection Performed by & Reporting Requirements
Risk Assessment Reactive/Safety Inspection	 Safety inspections are designed to identify all defects likely to create danger or serious inconvenience to users of the network or the wider community. Safety issues may be detected as the result of observation followed by notification to council either by members of the community or by council employees while undertaking their normal work duties with a subsequent safety inspection to be conducted by an appropriate council officer. 	 Council representative with some knowledge of road maintenance techniques who may then call in a higher level of expertise if necessary. Recording to identify specific safety defect, time first reported, time inspected & by whom, subsequent action & time of completion.
Incident Inspection	 This inspection enables an incident condition report to be prepared for use in legal proceedings and the gathering of information for the analysis of the causes of accidents and the planning and implementation of road management and safety measures. 	 Qualified engineer or experienced technical officer with extensive knowledge and experience in road construction and maintenance practices. Formal Incident Report prepared.
Programmed Inspection	 Footpaths and bridges - Inspection undertaken in accordance with a formal inspection schedule to determine if there are defects that need remedial work; Poods and both 2 channel. No formal program of inspections is undertaken to 	 Engineer or technical officer with knowledge of road maintenance techniques; A proof of the inspection is to be disped by the inspector for allow
Programmed Inspection	 Roads and kerb & channel – No formal program of inspections is undertaken to detect 	 A record of the inspection is to be signed by the inspector for placing on council's asset database for reference purposes (NB: this may include insurance or litigation requirements).
	 An inspection specifically to identify deficiencies in the structural integrity of the various components of the road infrastructure assets which if untreated, are likely to adversely affect network values. The deficiencies may well impact short-term serviceability as well as the ability of the component to continue to perform for the duration of its intended life span; 	 Inspection undertaken under the direction of a qualified engineer or experienced technical officer with extensive knowledge and experience in road construction and maintenance practices; Specific data to be recorded is determined by requirements of the Asset Information System which is then used to assess asset component needs.
Condition Inspection	 The condition inspection process must also meet the requirements for accounting regulations and asset management; Regular or periodic assessment, measurement and interpretation of the resulting condition data is required so as to determine the need for any preventive or remedial action then development of relevant programs of rehabilitation or renewal works. 	

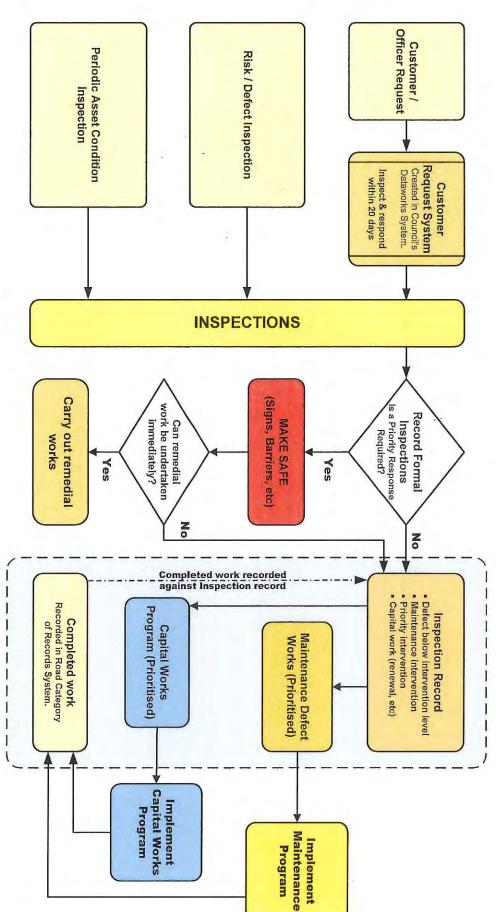
Road Asset Inspection Frequencies

	Asset Group Category	Ins	spection Interval
Hierarchy Category	Sub-Category	Programmed Inspections	Condition Inspections (for Structural & Physical Infegrity)
Roads			
Category 5:	Primary Arterial	DEIR responsibility	DEIR responsibility
Category 4:	Link Roads	Annually	3-4 Years
201	Collector Road - Sealed	Annually	3-4 Years
Category 5.	Collector Road - Gravel	Annually	3-4 Years
a de la companya de l	Local Access Road – Sealed	Annually	3-4 Years
Category 4:	Local Access Road - Unsealed	Annually	3-4 Years
ot one of the other of the othe	Limited Access Road - Sealed	Annuallý	3-4 Years
Category 1	Limited Access Road - Unsealed	Annually	3-4 Years
Footpaths			
Category 3:	Shopping Zones	Annually	3-4 Years
Category 2:	Specific Pedestrian Generators	Annually	3-4 Years
Category 1:	Other Areas	Annually	3-4 Years
Kerb & Channel			
Category 4 Roads:	Link Roads & Industrial Roads	3 Years	3-4 Years
Category 3 Roads:	Collector	3 Years	3-4 Years
Category 2 Roads:	Local Access Roads & Streets	3 Years	3-4 Years
Category 1 Roads:	Limited Local Access Roads	3 Years	3-4 Years
Bridges/Major Culverts			
Category 4 Roads:	Link Roads & Industrial Roads	. Annually	3-4 Years
Category 3 Roads:	Collector	Annually	3-4 Years
Category 2 Roads:	Local Access Roads & Streets	Annually	3-4 Years
Category 1 Roads:	Limited Local Access Roads	Annually	3-4 Years

Inspection Management Flow Chart

- 83 -

Page 83



Maintenance Response Levels of Service (Defect Tolerance Levels)

- 84 -

Appendix G

			SW Sweeping				DP Depressions				MR Minor Reseals				CSR Crack Sealing				WR Wheel Rutting				PH Pothole Patching	Service Code	
		to vehicles or pedestrians	Any area > 40			>25m².												>25m ²				repair if hole		Item	
		pedestrians.	Any area > 40m² that has build up that is visible in the travel path and/or is a potential hazard				Regulate if >50mm (Cat 4) or 75mm (Cat 3/2) deep under a 1.2m straight edge. Areas				If stripping >10m ² & stone loss >50% without pavement failure.				Fill all cracks >10 mm wide and a length > 2.0m				Regulate if >50mm (Cat 4) or 75mm (Cat 3/2) deep under a 1.2m straight edge . Areas			repair if hole >35mm deep or 400mm diam.	Repair if conditions are wet and the hole is unsafe or likely to deteriorate. In dry conditions,	Defect Levels when Intervention is Required	INTERVENTION LEVELS – SEALED ROADS
	2	w	4	_	2	ω	4		2	ω	4		2	ω	4		2	ω	4		2	ω	4	Cat	
100 T 10	3 weeks	2 weeks	Within 5 working days	20 weeks	16 weeks	16 weeks	8 weeks	20 weeks	12 weeks	12 weeks	4 weeks	20 weeks	12 weeks	12 weeks	6 weeks	20 weeks	16 weeks	16 weeks	8 weeks	20 working days	15 working days	5 working days	Within 3 working days	Target Rectification Response Time	
110000	hours	hours	hours	m²	m²	m²	m²		m²	m²	m²	lin.m	lin.m	lin.m	lin.m	m²	m²	m²	m²	m²	m²	m²	m²	Unit	

		INTERVENTION LEVELS - GRAVEL ROADS INCLUDING UNSEALED DRBAN ROADS	S	
Service Code	ltem	Defect Levels when Intervention is Required	Cat.	Target Rectification Response Time
GPP	Pot Holes	Frequency of holes 75mm deep or 400mm diameter is equal to or greater than:	4	No gravel Category 4
		 Category 3 roads - 1% of road area in any 100m section; 	ယ	4 weeks
		 Category 2 roads – 5% of road area in any 250m section 	2	12 weeks
				Annual
WR	Rutting	Rutting concentration for a length of road & average depth not exceeding 75mm:	4	No gravel Category 4
		 Category 3 roads - 5% of road area of 10m² in any 100m²; 	ω	4 weeks
		 Category 2 roads - 10% of road area of 50m² in any 100m² 	2	16 weeks (grader cycle)
			_	Annual
C	Corrugations	Corrugation concentration for a length of road & average depth not exceeding:	4	No gravel Category 4
		 Category 3 roads - 75mm for 10% of road area in any 100m length & within 30 m of an 	ω	4 weeks
		intersection;	2	16 weeks (grader cycle)
		Category 2 roads - 75mm for 20% of road area in any 100m		Annual
SS	Slippery Surface	Any Part	4	No gravel Category 4
			ယ	5 working days
			2	4 weeks
				4 weeks
SC	Surface Scour	Area if long or transverse scouring exceeds 75mm depth:	4	No gravel Category 4
		 Urban gravel roads 25 m² 	ယ	5 working days
		 Category 3 rural roads 25 m² 	2	2 weeks
		■ Category 2 rural roads 50 m²	1	4 weeks
LOM	Loss of Material	Subgrade with 20% or more of area showing loss of material in any 100m length:	4	No gravel Category 4
			ω	2 working days
			2	5 working days
				2 weeks

- 85 -

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Service Code	ltem	INTERVENTION LEVELS – GRAVEL ROADS INCLUDING UNSEALED URBAN ROADS Defect Levels when Intervention is Required	BAN RC	BAN ROADS Cat.
0000				
GPP	Pot Holes	Frequency of holes 75mm deep or 400mm diameter is equal to or greater than:	than:	than: 4 No gravel Category 4
		 Category 3 roads - 1% of road area in any 100m section; 		3 4 weeks
		 Category 2 roads – 5% of road area in any 250m section 		2 12 weeks
				1 Annual
WR	Rutting	Rutting concentration for a length of road & average depth not exceeding 75mm:	5mm:	5mm: 4 No gravel Category 4
		 Category 3 roads - 5% of road area of 10m² in any 100m², 		3 4 weeks
		 Category 2 roads - 10% of road area of 50m² in any 100m² 		2 16 weeks (grader cycle)
				1 Annual
C	Corrugations	Corrugation concentration for a length of road & average depth not exceeding:	ð.	g: 4 No gravel Category 4
		 Category 3 roads - 75mm for 10% of road area in any 100m length & within 30 m of an 	thin 30 m of an	thin 30 m of an 3 4 weeks
		intersection;		2 16 weeks (grader cycle)
		 Category 2 roads - 75mm for 20% of road area in any 100m 		1 Annual
SS	Slippery Surface	Any Part		4 No gravel Category 4
				3 5 working days
				2 4 weeks
				1 4 weeks
SC	Surface Scour	Area if long or transverse scouring exceeds 75mm depth:		4 No gravel Category 4
		 Urban gravel roads 25 m² 		3 5 working days
		 Category 3 rural roads 25 m² 		2 2 weeks
		 Category 2 rural roads 50 m² 		1 4 weeks
LOM	Loss of Material	Subgrade with 20% or more of area showing loss of material in any 100m length:	00m length:	00m length: 4 No gravel Category 4
				3 2 working days
				2 5 working days
				2 marks

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Page 87

		INTERVENTION LEVELS - GRAVEL ROADS INCLUDING UNSEALED URBAN ROADS (Continued)	ontinued)	1
Service Code	ltem	Defect Levels when Intervention is Required	Cat	
王	Isolate Hazards	All hazards to be marked – devices	4	No gravel Category 4
		Hazards Include flood, fires, storms, traffic accidents to ensure the safety of the public and	ယ	4 hours
		protection of the asset.	2	4 hours
			1	4 hours
FD	Foundation Defects	Heaving or settlement of road surface area:	4	No gravel Category 4
		 Category 2 roads > 100mm deep or high for >5m²; 	ω	4 weeks
		 Category 3 roads > 100mm deep or high for >10m² 	2	8 weeks
			_	No action
CC	Culverts	Waterway to be free, water build up less 50mm above I.L.	4	No gravel Category 4
			ယ	Annually
			2	Annually
				As required
TDR	Table, Mitre & Open Drains	Covers all unlined open drains, catch drains, spoon drains, table drains and waterways that	4	No gravel Category 4
		contribute to the structural integrity of the roadway.	ω	Annually
		No build up - free to drain.	2	Annually
				As required

Appendix H Risk Assessment for Roads and Footpaths

- 88 -

		1									- diloic	Dotholo												Defect Type
			OF HIST ACTION TO ACT	At intervention level											maintenance is now a priority.	beyond the point where								Level of Defect
	(higher speeds)	Rural			(lower speeds)	Urban			(higher speeds)	Rural			(lower speeds)	Urban			(higher speeds)	Rural			(lower speeds)	Urban		Location
	verillore sustaints dailiage	Vehicle stickeins damage			A CHILOTO SASSIGNITION AGILITADO	Vahicle sustains damage			serious injuries to several people	Loss of control causing vehicle crash,	4		minor injuries to several people	Loss of control causing vehicle crash,			multiple fatalities	Loss of control causing vehicle crash,			serious injuries to several people	Loss of control causing vehicle crash,		Risk Event & Potential Consequence Consequence Rating
	Z - LOW	3 -			V - LOW	9 - 1 ow			+ - Wajoi	A Major			o - Monerale				o - Catasiropilic	5 Octobookio			# Wajui	A Major		Consequence Rating
-	2	w	4	->	2	ω	4	->	2	w	4		2	ယ	4	-	2	ယ	4	-1	2	ယ	4	Road Cat.
D - Unlikely	C - Possible	B - Likely	B - Likely	VH - Rare	D - Unlikely	C - Possible	C - Possible	D - Unlikely	D - Unlikely	C - Possible	C - Possible	VH - Rare	VH - Rare	D - Unlikely	C - Possible	D - Unlikely	D - Unlikely	C - Possible	C - Possible	VH - Rare	VH - Rare	D - Unlikely	C - Possible	Likelihood Ranking
	M	Н	I	Г	×	M	I	F	X	T	Ŧ	F	_	×	Ŧ	M	T	Н	HA	M	×	エ	T	Assessed Risk

Appendix H - Risk Assessment - Roads & Footpaths continued

Defect Type	Level of Defect	Location	Risk Event & Potential Consequence Consequence Rating	Consequence Rating	Road Cat.	Likelihood Ranking D - Unlikely
					4	D-Unli
		Urban	Loss of control causing vehicle crash,	A Major	ω	D - Unlikely
		(lower speeds)	serious injuries to several people	4 - Major	2	VH - Rare
		2			_	VH - Rare
					4	C - Possible
		Rural	Loss of control causing vehicle crash,	Data-trankin	ဒ	C - Possible
	1	(higher speeds)	multiple fatalities	o - Catastrophic	2	D - Unlikely
	Beyond the point where				_	D - Unlikely
	intervention is required –				4	D - Unlikely
	maintenance is now a priority.	Urban	Loss of control causing vehicle crash,		ယ	D - Unlikely
Edge Breaks, Drop		(lower speeds)	minor injuries to several people	o - Moderate	2	VH - Rare
offs, Wheel Ruts &					1	VH - Rare
Depressions, and					4	C - Possible
Pavement Shoving		Rural	Loss of control causing vehicle crash,	A Major	ယ	C - Possible
		(higher speeds)	serious injuries to several people	4 - IVIAJOI	2	D - Unlikely
					-1	D - Unlikely
					4	C - Possible
		Urban	Vahicle sustains damage	9_10w	ယ	C - Possible
		(lower speeds)	A CHILOLO SUSTAILIS CALIFICACIONES	7 - LOW	2	D - Unlikely
	At interpolation level				1	VH - Rare
	At intel vention level				4	B - Likely
		Rural .	Vehicle sustains damage	5 500	သ	B - Likely
		(higher speeds)	A STILL STREET IN THE THE STREET	Z-LUW	2	C - Possible
					1	D - Unlikely
	Risk is assessed as being the	Urban (lower speeds)	Structural risk only	2-Low	4	D - Unlikely
Crack Sealing	Intervention Level	Rural (higher speeds)	Structural risk only	2-Low	4	D - Unlikely

Northern Midlands Council - ROAD INFRASTRUCTURE ASSET MANAGEMENT PLAN

Appendix H - Risk Assessment - Roads & Footpaths continued

-90-

Defect Type	Level of Defect	Location	Risk Event & Potential Consequence Consequence Rating Road Cat.	Consequence Rating	Road Cat.	Likelihood Ranking	Assessed Risk
	Risk is assessed as being the	Urban (lower speeds)	Vehicle sustains damage	2-Low	4	VH - Rare	M
Delamination	same whether at or beyond the Intervention Level	Rural (higher speeds)	Vehicle sustains damage	2-Low	4	VH - Rare	M
Stripped Seals & Slick	Risk is assessed as being the	Urban (lower speeds)	Loss of control causing vehicle crash, serious injuries to several people	4 - Major	4	D - Unlikely	н
Surfaces	Intervention Level	Rural (higher speeds)	Loss of control causing vehicle crash, multiple fatalities	5 - Catastrophic	4	D - Unlikely	н
Bleeding Seals	Risk is assessed as being the same whether at or beyond the	Urban (lower speeds)	Loss of control causing vehicle crash, serious injuries to several people; also a public nuisance in urban areas	4 - Major	4	VH - Rare	M
	Intervention Level	Rural (higher speeds)	Loss of control causing vehicle crash, serious injuries to several people	4 - Major	4	VH - Rare	M

Northern Midlands Council - ROAD INFRASTRUCTURE ASSET MANAGEMENT PLAN

Appendix H - Risk Assessment - Roads & Footpaths continued

-91-

										scouring	Potholes, rutting and												Defect Type
		At III le venition level	At into postion local										manuscration a priority.	maintenance is now a priority	beyond the point where			U					Level of Defect
(nigher speeds)	Rural (higher appeals)			(lower speeds)	Urban			(higher speeds)	Rural			(lower speeds)	Urban			(higher speeds)	Rural			(lower speeds)	Urban		Location
c	Vehicle sustains damage			A collicio sustalli si dalliaño	Vahicle sustains damage			serious injuries to several people	Loss of control causing vehicle crash,			minor injuries to several people	Loss of control causing vehicle crash,			multiple fatalities	Loss of control causing vehicle crash,			serious injuries to several people	Loss of control causing vehicle crash,		Risk Event & Potential Consequence Consequence Rating
	2-Low			7 - FOW	9-1 ow			4 - Major	A Major			o - Modelate	3 Moderate			o oaraar opino	n Cotactronkie			T " IVIGIOI	A - Major		Consequence Rating
1 2	o ω	4		2	ω	4		2	w	4		2	ယ	4		2	ယ	4	_	2	ယ	4	Road Cat.
C - Possible D - Unlikely	B - Likely	B - Likely	VH - Rare	D - Unlikely	N/A	N/A	VH - Rare	D - Unlikely	C - Possible	C - Possible	D - Unlikely	D - Unlikely	N/A	N/A	VH - Rare	D - Unlikely	C - Possible	C - Possible	VH - Rare	VH - Rare	N/A	N/A	Likelihood Ranking
	Ξ.	工	L	M			M	M	Н	Н	-	M			M	M	Н	HV	L	M			Assessed Risk

Appendix H - Risk Assessment - Roads & Footpaths continued

Defect Type	Level of Defect	Location	Risk Event & Potential Consequence	Consequence Rating	Cat.	Likelihood Ranking	Assessed Risk
Footpaths	Risk is assessed as being				ယ	A - Almost Certain	HV
Edge lips, pavers dislocated, concrete bays raised or broken - where repairs	the same whether at or beyond the Intervention	Urban	Person falls and sustains serious injury	3 - Moderate	2	A - Almost Certain	H
can be undertaken by lip grinding	Level					B - Likely	П
Footpaths Pavers dislocated or missing, concrete Risk is assessed as being	Risk is assessed as being				ω	A - Almost Certain	H
bays cracked, raised or broken, asphalt the same whether at or lifted by roots, depressed, cracked or beyond the intervention	the same whether at or beyond the Intervention	Urban	Person falls and sustains serious injury	3 - Moderate	2	A - Almost Certain	HV
cri	Level				1	B - Likely	Н

- Road Pavement & Seal Improvement program (based on age, condition, & visual assessment)

Malone & Road Recons	Maloneys Road Score & Road Reconstruction	Reconstruct 2015-2016 Reconstruct 2016-2017 Reconstruct 2017-2018 Reconstruct 2018-2018	016 017 018	2015-2016 2016-2017 2017-2018 2017-2018				Reconstruct 2021-2022 Reconstruct 2022-2023 Reconstruct 2023-2024 Reconstruct 2024-2025	Reconstruct 2021-2022 Reconstruct 2022-2023 Reconstruct 2023-2024 Reconstruct 2024-2025	Reconstruct 2021-2022 2021-2022 Reconstruct 2022-2023 2022-2023 Reconstruct 2023-2024 2023-2024 Reconstruct 2024-2025 20024-2025	Reconstruct 2021-2022 Reconstruct 2022-2023 Reconstruct 2023-2024 Reconstruct 2024-2025
gor	Program	Reconstruct 2019-2020)20)21	2019-2020	Reconst	truct	20.	Reconstruct 2025-2026		2025-2026	
							1				
No.	NAME	Street Name	Dist.	TO Street Name	Dist	Wid A/O		Total Pav	Total O/A Pav Cond		Cond
	965978	or Description	m	or Description	3	Ħ	_	Length	Length 0-10	0-10	0-10
1138	Smith St	Abel Tasman Av.	0	Latour	140	4.8		182		182	182 6.0 Street Changed to footpath
1561	1561 Connorville Rd	Macquarie River Rd	0	0 Gate	1,105	1 3	100		1,105	1,105 8.0	1,105 8.0 PRIVATE ROAD
927	927 Newry St Ext of Tanne Tannery	e Tannery	0	0 End	500	, UT	15		500	500 8.0	500 8.0 Rural
1189	1189 Story's Creek Rd	19.87 Bridge Seal	20,430	20,430 Bridge - Storys Ck	21275 4.0	40		345		845	845 8.0
951	Nivelle St	Badajos St Fence Line	0	0 End of Seal		3.8			263	263 7.0	263 7.0 Street
1208	The Stock Route	Saundridge St	0	0 Seal Change	85	4.6		85		7.0	7.0 Street
109	Bedford St	Start of Seal	212	212 Franklin	269	2.4		57	57 7.0	7.0	7.0 Street
307	Conara Rd	Bend Right	295	295 Start K&C	900	5.7		605		7.0	7.0 Rural
310	Conara Rd	Gate	1,495	End	1,626	9. Q		131	131 7.0		7.0 Rural
184	Bridge St Campb T	Clare	2,102	End of Seal	2,270	2.6		168	168 7.0		7.0 Street
1071	Rossarden Rd	Pole No 161	3,950	3,950 Culvert	5,570	5.0		1,620		7.0	7.0 Rural
1190	1573 Gay St 1190 Stopy's Creek Pd	Bridge Stone Ck Brid	24 275	34 375 34 9 Old Stone Ch	22000	4 rd		4 745		7.0	7.0
492	492 Glenelg St	Pedder St BOK	0	0 Church		4.5	_	285	285 6.0	6.0 Street	6.0 Street
923	923 New St Campb, T	M'Lands H'Way	0	0 Leake St	227 13.5	13.5		234		8.0 Street	8.0 Street Tree Roots . Waintence Required
1399	Wilmores La	00 Cressy Main Rd	1,101	1,101 Seal Change	1,295	0.6		194		6.0 Rural	6.0 Rural
1400	Wilmores La	00 Cressy Main Rd	1,295	,295 Loading Ramp	2,690	5.6		1,395	Ŋ	8.0 Rural	8.0 Rural
1401	Wilmores La	Loading Ramp	2,690	2,690 Seal Change	3,808	5.7	1	1,118		6.0 Rural	6.0 Rural
361	Delmont	00 Maquarie River Rd	1,800	,800 Seal Change		5.6	. 1	685		8.0	8.0 Rural
364	Delmont	00 Maquarie River Rd	3,910	,910 Seal Change		52		1,010		8.0	8.0 Rural
755	Macquarie River Rd	Seal Change	10,680	10,680 11.29 Macquarie Se	11,675	9.6	100	995	3	6.0 Rural	6.0 Rural
460	Gatenby St	Spencers Lane	0	0 Macquarie	292	92		298		4.0 Street	4.0 Street
493	Gleneig St	Church St	282	285 Queen	040	400	11	355		19911C	19911C
156	Bond St Campb. T	Midlands Hwe	0	0 Grant St	289	6.0	_	291		291 4.0 Street	291 4.0

510C-810C	Street Urban Street Upgrade	Street	n 0	325	3	120	0 Lavcock		Wellington St	Malcombe St	.603
2018-2019	Consider Reconstruction	Rural	6.0	1,905	5.0	10,410		8,50	00 Barton Rd	Valleyfield Rd	1322
2018-2019	Consider Reconstruction	Rural	6.0	200	Ø1 →	200	D Pave Change		Barton	Valleyfield Rd	1450
2018-2019	Consider Reconstruction	Rural	6.0	1,010	6.0	15,020	14,010 Pave Change	14,01	00 Midlands Hwy	Powranna Rd	1033
2018-2019	Consider Reconstruction	Rural	6.0	860	6.8	5,705	4,845 5.10 Clarendon L R	4,84	00 High St Evandale	Nile Rd	931
2018-2019	Consider Reconstruction	Rural	6.0	990	5.0	10,590	9,600 Seal Change	9,60	Change	Green Rises	525
2018-2019	Consider Reconstruction	-	5.0	460	5.3	8,980	8,520 9.08 Armstrongs	8,52	00 Illawarra	Bishopsbourne Rd	133
2018-2019	Consider Reconstruction	Rural	5.0	1,145	5.8	8,520 5.8	7,375 Seal Change	7,37	00 Шамапа	Bishopsbourne Rd	132
?	Urban k&g and road reconst	ıs	negotiation	By Pass	in with	njunctio	rowth the owners in co	State G	Subject to funding by State Growth the owners in conjunction with By Pass negotiations	Youl Road	
2017-2018	Street Urban Street Upgrade	Street		151		151	0 End		00 Burghley	Paton Street	999
2017-2018	Street Consider Reconstruction	Street	6.0	152	10.4	1,064 10.4	897 Burghley St	88	Catherine St	Hobhouse St	
2017-2018	Street Consider Reconstruction	Street	6.0	267	8.3	832	565 Clarence St	56	Rail X	Arthur St Perth	37
2017-2018	Street Urban k&g and road Part Sub	Street	6.0	203	6.0	200	0 End		Union St	Carins St	235
2017-2018	Street Urban k&g and road One side	Street					No 43		Burghley	59&56(High Street Long	59&560
8102-7102	Urban k&g and road verge	Rural	6.0	2,395	53	13,795	11,400 Seal Change	11,40	00 Midlands Hwy	Barton Rd	105
8102-7102	Consider Reconstruction	Rural	5.0	1,180	4.8	10,230		9,05	00 Midlands Hwy	Barton Rd	100
2017-2018	Consider Reconstruction	, Rural	6.0	935	4.9	9,050	8,090 Seal Change	8,09	00 Midlands Hwy	Barton Rd	99
2017-2018	Consider Reconstruction	Rural	6.0	2,270	6.2	3,000	730 Property Ent.	73	00 Midlands Hwy	Woolmers La	1411
2016-2017	Urban k&g and road verge	Rural	5.0	200	7.2	10,585	10,385 Start of Kerb Left	10,38	00 High St Evandale	Nile Rd Township	935+
2016-2017	Street Urban k&g and road verge	Street	2.0				Nelson Place		Phillip Street	Cromwell Street	333
7102-2017	Street Urban k&g and road verge	Street	4.0	210	5.9	429	213 Midlands Hwy	21	Leake St	Mason St Campb T	8.52
2016-2017	Urban k&g and road verge	Street	3.0	244	5.4	232	0 Torlesse St		Mason St		684
2015-2017	Urban k&g and road verge	Street	3.0	108	4.4	108	0 Leake St		WBL No 1	St	1257
2016-2017	Urban k&g and road verge	Rural	5.0	805	5.3	3,490	2,685 Seal Change	2,68	00 Huxtable St Evend	Logan Rd	722
2016-2017	Street K&gCarparking and Street Rec	Street	3.0	138	5.1	920	782 Midlands Hwy	78	Church	Bridge St Campb T	180
2016-2017	Street Program Reconstruction	Street	6.0	111	4.2	111	0 Church St		Esplanade	High St Ross	561
2016-2017	Street Consider Street Reconstruction	Street	6.0	236	8.9	609	380 Malcombe St.	38	Pultney St	Burghley St Longford	226
	Consider Street Reconstruction	Last.	5.0	215	8.9	380	155 Pultney St	- in	High St	Burghley St Longford	225
2016-2017	Consider Reconstruction	Rural	6.0	785	6.9	8,085	,300 Bryants	7,30	00 High St Evandale	Nile Rd	933
2016-2017	Consider Reconstruction	Rural	5.0	1,310	6.1	5,800	4,490 Panshager	4,49	00 Midlands Hwy	Woolmers La	1413
2016-2017	Consider Reconstruction	Rural	6.0	1,490	6.2	4,490	3,000 5.35 Point Rd	3,00	00 Midlands Hwy		1412
7102-9102	Consider Reconstruction	Rural	4.0	350	4.8	34,215		33,86	Seal Change	Macquarie River Rd	1548
2016-2017	Consider Reconstruction	Rural	8.0	925	5.1	33,865	hange	32,94	00 Poatina Hwy	Macquarie River Rd	774
2015-2016	Tree Root Concerns, Road Repairs Carried Out	Rural	7.0	880	4.7	1,065	185 Home Ent.	18	Seal Change	Eskley Perth Nursing Seal Change	421
Programmed			0-10	Length	m	m	or Description	m	or Description	965978	
Year	Comments	Type	Cond	Pav	Wid	Dist.	Street Name	Dist.	Street Name	NAME	No.

ē	STREET	FROM		ТО		O/A	Total	O/A		
No.	NAME	Street Name	Dist.	Street Name	Dist.	Wid	Pav	Cond	Туре	Comments
	965978	or Description	m	or Description	m	m	Length	0-10		
574	Hobhouse St	End Path	168	Γ.	245	8.0	68	3.0	Street	Street Urban Street Upgrade
	Burnett St	Pultney St	0	0 Change	82	62	87	2.0	Street	Street K&G and Road Verge
25.	High St Evandale	Barclay	444	444 Russell	.812	3	368	4.0	Street	Street K&G and Road Verge
	Phillip St	Cromwell St	256	256 Seal Change		9,5	164	3.0	Street	Street K&G and Road Verge
	Phillip St	Seal Change	413	413 Youl Main Rd		6.0	107	3.0	Street	Street K&G and Road Verge
	Herberts Rd	Hobhouse St	0	0 Bulwer		9.5	226	2.0	Street	Street K&G and Road Verge
	Barton Rd	00 Midlands Hwy	10,890	10,890 Seal Change		Ci Co	510	5.0	Rural	Consider Reconstruction
106	Barton Rd	00 Midlands Hwy	13,795	13,795 Macquarie		ပၢ ယ	1.105	5.0	Rural	Consider Reconstruction
100	Saundridge Rd	Bridge	11,530	11,530 Bridge		52	1.705	6.0	Rural	Consider Reconstruction
	Saundridge Rd	Change	1,750	,750 Seal Change	-	0.0	2,455	6.0	Rural	Consider Reconstructi
	Cox St	Nile EBL	0	End		5.4	267	4.0	Street	Street K&G and full Road Construction
	Bridge St South	Montagu	256	256 Mason	_	4.8	269	2.0	Street	K&G and Road Verge
	Bulwer St	Wellington St	0	0 Seal Change		82	177	2.0	Street	Street K&G and Road Verge
_	Hobhouse St	Wellington St	0	End Path	168	8.0	174	2.0	Street	Street K&G and Road Verge
574	Hobhouse St.	End Path	168	168 Laycock	245	0.8	77		Street	K&G and Road Verge
681	aycock St	Bulwer	0	Hobhouse St	237	7.3	244		Street	K&G and Road Verge
_	Russell St	High St	0	0 Junction		9.3	385		Street	K&G and Road Verge
1101	Russell St	Junction	381	381 Huxtable EBL		8.0	113	2.0	Street	Street K&G and Road Verge
97	Barton Rd	00 Midlands Hwy	6,120	6,120 Seal Change	6.600	6.4	615		Rural	Rural Check Asset No
86	Barton Rd	00 Midlands Hwy	6,600	6.600 Seal Change	8,090	6.4	1,780	6.0	Rural	Consider Reconstruction
495	Glenesk Rd	00 Nile Rd	0	Seal Change	970	5.7	970	6.0	Rural	Consider Reconstruction
496	Glenesk Rd	00 Nile Rd	970	970 Seal Change	2,525	52	1,555	6.0	Rural	Consider Reconstruction
	Haselwood	0Brumby Street	0	0 Marlborough	1,105		1,180	6.0	Rural	Consider Reconstruction
_	Lake River Rd	00 Macquarie River	7,265	Seal Change	8,395	5.0	1,130	6.0	Rural	Consider Reconstruction
	ake River Rd	00 Macquarie River	8,395	Seal Change	9,050	5.8	655	6.0	Rural	Consider Reconstruction
	Lake River Rd	00 Macquarie River	9,050	9,050 9.70 Glen	9,780	5.8	770	5.0	Rural	Consider Reconstruction
73	Mason St Campb T	Davidson St	0	0 Leake St		4.9	228	4.0	Street	K&G and Road Verge
221	Bulwer St	Burghley	1,183	,183 BRIDGE	1,373	6.1	190	2.0	Street	Street K&G and Road Verge
	Ashby Rd	00 Midlands Hwy	5,765	5,765 Seal Change	6,705	53	940	6.0	Rural	Consider Reconstruction
59	Auburn Rd	00 Midlands Hwy	2,390	2,390 Culvert		4.5	390	6.0		Consider Reconstruction
756	Macquarie River Rd	11.29 Macquarie Settl	11,675	11,675 Seal Change		5.4	625	4.0		Consider Reconstruction
-	Macquarie River Rd	Seal Change	12,300	12,300 13.70 Darlington Pa	13,790	S	1,490	4.0	Rural	Consider Reconstruction
4	Adelaide St	Adelaide SBL	0	Seal Change	40	4.8	40	6.0	Street	Street Urban Street Upgrade
S	Adelaide St	Seal Change	40	End of Seal	170	4.5	130	4.0	Street	Urban Street Upgrade
197	Bridge St Sth	Montague to North		Adelaide		P		2.0	Street	Street Urban Street Upgrade

2025-2026	Consider Reconstruction	D I	6.0	950	نارى دى	9750	8.800 Old Seal Change	¢	00 St Pauls SBI	Royal George	1007
2025-2026	Consider Reconstruction	Rural	6.0	700	5.3	8,800	90	တ	00 St Pauls SBL	Royal George	1086
2025-2026	Consider Reconstruction	Rural	6.0	1,345	5.6	2,065	720 Seal Change		00 St Pauls SBL	Royal George	1080
2024-2025	Consider Reconstruction	Rural	6.0	2,455	5.5	4,205	,750 Condition Change	1,	Change	Saundridge Rd	1108
2024-2025	Consider Reconstruction		5.0	1,840	5.9	16,860	15,020 16.76 Barlington	15	00 Midlands Hwy	1034 Powranna Rd	1034
2024-2025	Consider Reconstruction	Rural	5.0	1,520	6.2	4,860 6.2	3,340 Seal Change	ţ.	00 Midlands Hwy	1023 Powranna Rd	1023
2024-2025	Consider Reconstruction	Rural	5.0	1,010	2,675 12.5	2,675	1,665 Seal Change	دد	1.70 Marchington	Hobart Rd	570
2024-2025	Consider Reconstruction	Rural	5.0	1,325	1,665 11.4	1,665	340 1.70 Marchington		Seal Change	Hobart Rd	569
2023=202	Urban Street Upgrade plus k&g.	Street	5.0	648	5.0	630	0 West St		Gleneig St	Church St Pt 2	275
2023-2024	Urban Street Upgrade plus k&g	Street	3.0	168	72	164	0 End K&C	Ī	Main St	Saundridge St East	1124
2023=2024	To be considered	Street	6.0	137	5.7	250	108 Condition Change	I	Gatenby St	Macquarie St Cressy	785
2023-2024	Reconstruct ??	-	4.0	108	5.6	102	0 Seal Change		Saundridge St	Murfett St	905
2023-2024	Program Reconstruction	Rural	6.0	1,115	5.5	1,115	0 End of Circuit		Perth Mill Road	Range Rd	1047
2023-2024	Reconsider	Rural	6.0	1,740	5.7	1,740	0 Seal Change		00 Nile Road	Clarendon Stat.	295
2023-2024	Minor Work Required	Rural	6.0	850	6.4	2,350	1,500 Dalmess		Seal Change	White Hills Rd	1379
2023-2024	Program Reconstruction		6.0	780	5.8	6,125	5,345 Chatsworth	Ç1	00 William St	Marlborough St Longfd 00 William St	849
2023-2024	Consider Reconstruction	Rural	6.0	1,290	6.0	2,140	850 Seal Change		00 Woolmers	Panshanger Rd	979
2023-2024	Consider Reconstruction	Rural	6.0	330	6.0	850	520 Pave Change	+ 1	00 Woolmers	Panshanger Rd	978
2022-2023	Urban Street Upgrade plus k&g.	Street	4.0	334	5.7	1,278	957 Wellington		Home	Cracroft St	327
2022-2023	Urban Street Upgrade plus k&g	Street	4.0	254	4.9	247	0 End of Bowl		Drummond St	Cemetery Rd	250
2022-2023	Urban Street Upgrade plus k&g	Street	4.0	321	5.0	314	Cracroft St		Lewis	Anstey St	_
2022-2023	Consider Reconstruction	Rural	6.0	1,660	6.2	1,660	0 Range Rd		00 Evandale Rd	Perth Mill Rd	1006
2022-2023	Consider Reconstruction	Rural	6.0	1,695	5.5	4,770	3,075 Seal Change	ω	00 Nile Road	Deddington	341
2022-2023	Consider Reconstruction	Rural	6.0	1,842	5.4	3,075	1,233 Seal Change	1	00 Nile Road	Deddington	340
2022-2023	Consider Reconstruction	Rural	5.0	2,295	5.6	7,375	5,080 Rail X	Ö	00 Illawaпа	Bishopsbourne Rd	131
2021-2022	K&G and Road Verge	Street	3.0	62	9.0	319	245 Hay St		Howick St	Park St Longford	984
2021-2022	K&G and Road Verge	Street	2.0	130	6.0	500	370 Seal Change		Park	Hay St	536
2021-2022	K&G and Road Verge	Street	1.0	153		153	0 Cressy Road		Archer	William St	1387
2021-2022	K&G and Road Verge	_	2.0	132		342	215 William	Ī	Wilson	Archer Street	13
2021-2022	Urban Street Upgrade	_	6.0	1,110	5.9	3,345	2,235 Seal Change	2	00 Midlands Hwy	Devon Hills	370
2021-2022	Urban Street Upgrade	Street	6.0	1,130	5.9	2,235	1,105 Loop Rd	1,	00 Midlands Hwy	Devon Hills	369
2021-2022	Urban Street Upgrade	Street	5.0	1,105	6.8	1,105	0 Christine		00 Midlands Hwy	Devon Hills	368
2021-2022	Urban Street Upgrade	Street	3.0	38	7.9	256	218 Montagu		Seal Change	Bridge St South	196
2021-2022	Urban Street Upgrade	Street	5.0	82	5.0	218	136 Seal Change		Broad St	Bridge St South	195
2021-2022	Urban Street Upgrade	Street	4.0	136	5.1	136	0 Broad St		Adelaide St	Bridge St South	194
Programmed			0-10	Length	m	m	n or Description	m	or Description	965978	L
Year	Comments	Type	Cond	Pav	Wid	Dist.	st. Street Name	Dist.	Street Name	NAME	No.
			OIA	lotal	OIA		5		TROM	412000	-

50 A	663 L	658 L	943 N	942 N	940 N	1571 N	934 N	930 N	929 N	928 N	129 B	1419 W	1414 V	95 B	94 B	93 B	616 ls	614 ls	1119 S	1116 S		No.	D
Ashby Rd	ake River Rd	Lake River Rd	Nile Rd	Nile Rd	Nile Rd	Nile Rd	Nile Rd	Nile Rd	Nile Rd	Nile Rd	Bishopsbourne Rd	1419 Woolmers La	1414 Woolmers La	Barton Rd	Barton Rd	Barton Rd	Isis Rd	Isis Rd	Saundridge Rd	Saundridge-Rd	965978	NAME	STREET
00 Midlands Hwy	00 Macquarie River	00 Macquarie River	00 High St Evandale	00 High St Evandale	00 High St.Evandale	Seal Change	00 High St.Evandale	00 High St Evandale	00 High St Evandale	00 High St:Evandale	00 Illawarra	00 Midlands Hwy	00 Macquarie River	00 Macquarie River	Bridge	Blackwod Ck	or Description	Street Name	FROM				
5,765	6,600	2,555	15,775	14,125	12,480	10,680	8,085	3,475	1,845	845	2,680	9,560	5,800	2,670	1,670	0	1,520	20	13,235	9,705	3	Dist.	
5,765 Seal Change	6,600 Seal Change	2,555 Seal Change	15,775 18.53 Fernhill	14,125 14.80 Bridge	12,480 Seal Change	10,680 Bridge	8,085 Seal Change	3,475 3.84 Bridge	,845 Seal Change	845 Seal Change	2,680 Seal Change	9,560 Cracroft	5,800 Seal Change	2,670 Seal Change	,670 Old Seal Change	0 Old Seal Change	,520 Old Seal Change	20 Seal Change	13,235 Poatina	9,705 Bridge	or Description	Street Name	10
6,705	7,265 6.0	3,460	18,355	15,775	13,665	10,890	10,385	4,845	3,475	1,845	3,675 5.6	9,930	6,100	3,625 5.2	2,670 5.2	1,670	3,285 4.8	835 4.8	14,050	10,350	m	Dist.	
5.3	6.0	5.0	5,6	5.6	5.2	6.0	7.2	6.8	6.8	6.8	5.6	5.5	6.0	52	5.2	5.2	4.8	4.8	5.1	5.5	3	Wid	O/A
940	665	905	2,580	1,650	1,185	210	2,300	1,370	1,630	1,000	995	370	300	955	1,000	1,670	1,765	815	885	645	Length	Pav	lotal
6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	5.0	5.0	0-10	Cond	OIA
Rural	Rurai	Rural	Rural	Rurai	Rural	Rurai	Rural	Rural	Rural	Rural		Type											
Consider Reconstruction		Comments																					
2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2026-2027	2025-2026	2025-2026	2025-2026	2025-2026	Programmed	Year	

Footpath Improvement Program

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Wellington Street	Wellington Street	Wellington St	St Georges Square	George Street	Arthur Street	Glenelg Street	Spencers Lane	Gatenby Street	Banksia Grove		Walkway	CallistemouCrt	Fairtlough Street	Pioneer Park	Stockmans Road	Wellington St	Wellington St			STREET	
Tre Corries Terr parts		No II	Smith Street	Fairtlough Street	Fairdough	Church	Cressy Road	No 10 Driveway	Philip 3:		Callistemon Crr	Arthur St	Midlands Hwy	Park	Lugan Road Memoral Hvil Cu	Asman Avenue	High Street	or Description	Otract Com	manifiac	2
		1,091		0	585	285	E91	Ē2	0		a	0		0	10	1,410	1,201	Diet.	1		
Archer	Swan Ave	High	Tasman Ave	End Kerb	Clarence	Queen	Gatenby	Spenses La	B.		Banksia Greva	Coldasac	Doctors	Shelyer	Burherus	Pullney	Swan Avenue	ir Description	Office Name	700	DRAFT DOCUMENT (Subject to changes)
-3		1.201	133	135	832	640	8	292	87.4		89.5	174.20		T	談	1.544.00	1,410.00	3 5		Footpaul Details All Segments	OCUN
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255	36	198	325 +	234	590	516	148 03	Ē	167,32	324,4	118 15	205.20	205	ш	146	184 50	147 00	- Salar	2 40	2700	change
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						\$11200	3108	8018				5104		392	\$82	\$92	592	Council	2		nent P
	Plus 2 PC	Near RSL	Plus section in St Georges Square		To be seperately quoted when required	Bits an Federath & F.D. and Inventor	Plue pr \$546 & 4'sw accesses = \$451	Eub extra 11 sp. of driveways = 111 Firs 6 ow processes \$575.50	Striveways - extractindude 11/ Telsita Ltd.		(A)	223/60 gm/Pug/sw extra \$500/2PC \$1495	Plus 2 PC	Accessionsalbeave	Plus Today, Promid resemble 14 Triming METS	Includes extra width at driveways. 1PC High St	Conpead	Footpath	Comment.	Footpati General	Footpath Replacement Program 2015/2016
		18	17	16	14	13	12	2			7		CH	4	ω	N	-	-Victory-	1 7/7	1	
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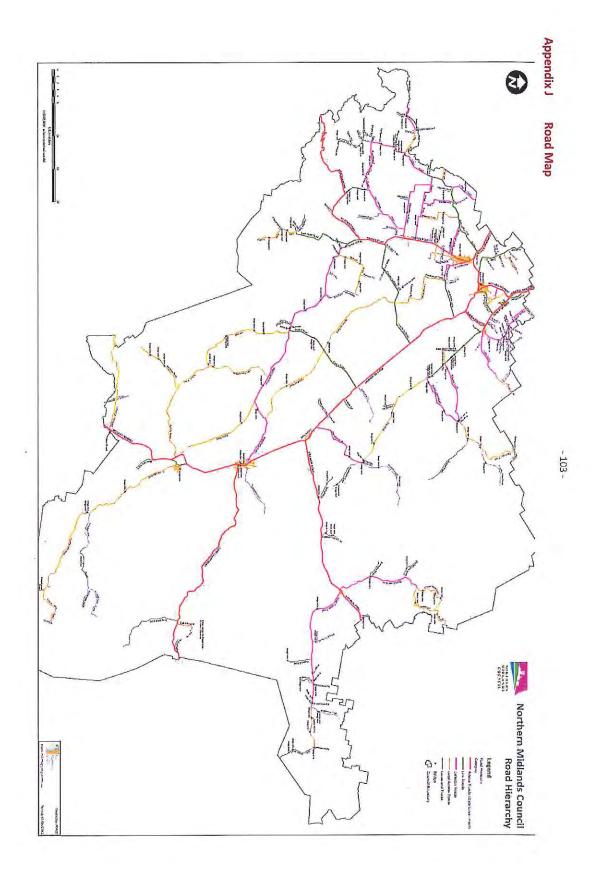
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Philip St	Hobhouse St	Bulwer	Hobhouse St	Malcombe	Smith	Church	King Street	Nth Of Hotel	Hotel		Madborough	Eurghley	Packenham	Gogerich '	Burghley	Catherine	Pakenbara	114	End of kerb	Leopoid		Church	Glenelg Street	Marlborough	Hay St	Church	Bus Park	No 120	Archer	Bulwer	r Description	Street Name	10	Footp	DRAFT DOCUMENT (Subject to changes)
374	835	1,192	955	735	162	947	1,214	1,170	1,118		312	840	495		957	775	608	804	1.5	?		285	363	434		0.3	485	370	78	2,278	m	Dist		Footpath Details All Segments	NT (S
Perth	Lang	Long	Enol	Lang	Long	Cressy					Long	Long	Long	Long	Long	Long	Dead	Evan	Evan	Evan		Camp	Camp	Long	Guot	Cressy	Cressy	Cressy	Lang	Leng	-	loc l		tails Al	ubject
374	120	220	229	220	150	290	44	2	8		310	160	145	65	160	75	172	160			3	218	172	285	147	67	3	175	90	240	Metres	enoch	Footpath	Segm	to ch
1,80	1.BD	1.BD	1.80	1.60	1.60	1.50	1.50	1.50	1.50		1.80	1.60	1.80	1.BD	1.80	1.80	1.80	1.80		ż		1.80	1.80	1.60	1,80	1.50	1.50	1.50	1.80	1.80		Sellen	Width	ents	anges
873	218	395	395	395	300	500	88	81	294		558	288	261	117	288	135	309	288				513	310	535	284	101	173	330	144	432			Area		
	A	108	දිට	60	50	72					64	38	33	12	70	18	36					?	20?	50		20		66		144	Metres	Square	Diveway		otpath
Sth	West	East	East	East	East	West	West	West	West	8	North	North	North	North	North	North		East	Asphalt	South				North	North	East	West	West	East	West	street	D .	Side	į	Repla
Conc					Conc	Cento					Conc	Conc	Conc					Exp Agg 'Upgrade		-		Conc	Conc	Conc	Cone		Cone	Conc	Conc	Cone 1		With	Rep		ceme
New	New	New	New	New	New	Rep	Rep	Rep	Rep		New	50,50	New	New	New	New ·	New	Jpgrade	Rep	ĺ	H	New	New	New	New	Rep	Rep	Rep	New	Replace		PECO.	MS		nt Pro
\$112	\$112	\$112	\$112	\$112	\$112	\$116	\$116	\$118	\$118		\$108	\$508	\$108	\$108	\$108	\$10B		5340	\$108			\$117	新护	\$104	和珍	\$108	\$0.5	\$1:08	\$104	\$104	Council	Pate	SIT		gram
Near property boundary					Near Boundary Not urgent Wide Road Low Traffic	Includes 12 driveways					Sth Sige Near Kero							Exposed Aggregate Plus 2 PC	To be considered	Requested by Richard Goss		The second secon				Yeweyib me 05		58 sm driveways	Near Boundary Not Urgent After private driveway reconstructed 2018-2017 \$	Reduce by section done	Footpath	Relating To	Comments	Footpath General	Footpath Replacement Program 2016/2017 to 2017/2018
							3 3																						ecanstrucia			The state of	F		100
2018-2019 \$	2018-2019 \$	2018-2018 \$	2018-2019 \$	2018-2018 \$	2018-2019 \$	2018-2018 \$	2018-2019 \$	2018-2018 \$	2018-2018 \$		2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018 \$	2017-2018		2016-2017 \$	2018-2017 \$	2016-2017	2016-2017	2010-2017 \$	2018-2017	2016-2017 \$	2018-2017	2016-2017 \$		VEAR	REPLACE COST		
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100,000.00	24,192.00	56,448,00	51,072.00	51,072.00	39,200.00	66,352.00	7,656.00	9,396,00	34,104.00	358,636,00	67,176,00	35,208.00	31,752.00	13,932.00	38,664.00	16,524.00	37,260.00	40,320.00	40,000.60		360,360.00	90,000,00	40,000.00	70,000.00	35,000.00	15,000.00	22,000.00	36,000.00	117,000.00	63,360.00		100		REPLACEMENT	

	842 King Street Bend	King Street	Smith	678 Latour Archer	str Malcombe Welington		Marlborough	Main Street			650 Laycock Malcombe	683 Laycock No 14	_	Bulwer	Bulwer		113 Bulwer Wellington	798 Main Street Spenoers Lane		456 Frederick Street Scone St		1356 Wellington Hobbouse	377 Hobbanse Mariborough	Hobbouse St	Hobbouse St	Hobbouse St	455 Frederick street Scone St			678 Latour Archer	Latour	High St Longford.	High St Longford	Burghley	Burghley	-	Bridge	Arthur Street CI	Phillip St Arthur Street Bridge	Phillip St Co Phillip St Phillip St Arthur Street Co Bridge	Main Street Phillip St Phillip St Arthur Street Bridge	Main Street Main Street Phillip St Phillip St Arthur Street Bridge	Main Street Main Street Main Street Min Street Phillip St Arthur Street Arthur Street Reider	NAME NAME Main Street Main Street Main Street Phillip St Phillip St Arthur Street Arthur Street
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L	X3 601	L	Y	122 Sn	_			857 Sp		Bu	No	Ma	1,031 Bu				o Se	1,234 Ma	4		162 park	2,022 Bu	549 Pa	179	T.	897 Bu		+	ŀ	\$22 Smits			205 Pa		E35 Bu	O King	100	0						
	Exist Conc	8.	Wellington	Smith	ayıcock	Hobhouse	Malcombe	Spencers, Lan-		Bulwer	No 20 A	Malcombe	Burghley	Mariborough	Stocker	Laycock	Seal Change	Macquarie St		Clarence St	*	Butwar	Pakenham	прскопдр	Catherine St	Burghley st	Clarence St			ŭla	Archer	Catherine St.	Padkenham St	Hobhouse	Bulwer	King	BDGV	-	Youd Rd	Seal Change Youl Rd	Saundridge Seal Change Youl Rd	undridge af Change Youl Rd	r Description r Description Saundridge Seal Change Youl Rd	TO Feet Name Description undridge af Change Youl Rd
	298	109	295	255	136	1,044	825	-					1,183	874	428	368	172	1,593		951	370	2,278	720	549	897	1,084	951			274	122	547	378		1.074	252			520	520	520 413	520	520 833 R R	Dist. 418
			Long	Long	Fong	Pert	Perth	Cressy										Cressy		Perth	Perth	Perth	Long	Lang	Long	Essel	Perth				Long	Lang	Buon	125	Long	Camp			Perth	Perth Perth	P e e	re r	Perth 6	
	189	109	120	120	130	212	220	343		220	70	60	152	248	58	198	172	300		200	120	240	171	150	170	160	200			152	130	169	160		220	270	120		107	151 151 151	5 5 6	5 5 5	Merry 143	Footpath Length Metres 143 157
	1,50	1.50	1.80	1.80	1,80	1.80	1.80	1.50		1.80	1.80	1.80	1.80	1,80	1.80	1.80	1.80	1.50		1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80			1.80	1.80	1.60	1.80	1.80	1.80	1.80	1 80		9	1.80	1.50	1.88	1.50 1.80	1.50 1.50 1.80
	284	183	218	216	234	394	396	515		398	128	108	273	北西	194	352	399	450		380	342	432	308	324	308	288	360			274	198	304	288	225	320	458	216	3	4	283	215	215	215	215 215
			50		N	50	40	210		NI	Ni	IN	100	85	52	40	48	22		20	13	144		70	14	72	20			40		4	Z	1	72	285 seal	40	2		3 5	N 18 8	100 SB	Square Metres 80 100	Square Metres 80 100 NII
			South	West	North	West	West	East		West	West	West	South	South	South	South	South	East		Nth	East	West		Nth	Nth	Nth	NH.	T	i		West	NA.	Nch	West	\dashv	\dashv	SH	NES-		No.	Nith East	+++		
			Conc	Conc	Cone			Cono		-	Conc	Conc	Conc	Conc		-	Conc	Conc										T				Conc	Conc			Conc		Conc	-	Conc	Conc	Conc	With Conc	Rep With
	Replace	Replace	New	New	New	Replace	Replace			New	New	New	New	New.	New	New	New			Rep	New	Replace		New	New	New	Replace	Ì	Ī		New			New	New	New	1		H	+				
	\$135		\$130	\$130	\$130	\$130		\$135		\$125	\$125	\$125	\$125	\$125	\$126	\$125	\$125	\$130		\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	İ	İ	\$118	\$118	\$118	\$116	\$116	3118	\$132	5110	3118		2518	#120 #120	\$120	Rate Cauncil \$120	Rate Cauncil \$120
			Sin side .Near werb	West side Near Kerb				Inchis des 36sm driveways																												Plus 6 drives 10.8 x 3.3							Relating To Footpath	
											100												1 - 4												_	ಪ							Priority	
	2022-2023	2022-2023	2022-2023	2022-2023	2022-2023	2022-2023	2022-2023	2022-2023		2021-2022	2021-2022	2021-2022	2021-2022	2021-2022 \$	\$ 2202-1202	2021-2022 \$	2021-2022	2021-2022 \$		2020-2021	2020-2021	2020-2021	2019-2020	2019-2020	2019-2020	2019-2020	2020-2021			2019-2020	2019-2020	2010-2020	2019-2020	2019-2020	2019-2020	2019-2020	2019-2020	2019-2020		2010-2020	2019-2020 \$	2019-2020 \$ 2019-2020 \$	VEAR 2019-2020 2019-2020	VEAR Cound VEAR Fill in 2019-2020 \$ 2019-2020 \$
200	ta.	49	\$ 34,580.00	\$ 28,080.00	to.	69	\$ 56,680.00	3 \$ 97,875.00	\$ 373,670.00	49	2 \$ 15,750.00	()	2 \$ 46,625.00	Į,		\$ 49,000.00	2 \$ 44,625.00	\$ 69,420.00	\$ 368,640.00	49	\$ 42,480.00	69	49	40	€9	en	\$ 45,600.00		\$ 390,420,00	69	GA.	69	ta .	69 6	9	ėn i	an .	9 (2282850	6	69 6	69 69	Council	

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TOCHMENT Subject to Citangles Footpath Replacement Program 2023/ Footpath Product Replacement Program 2023/ Footpath Product Replacement Program 2023/ Footpath Product Replacement Replac		Constitut	Gaderich	Stocker	George Street	Talbot Street	Craeroft	Cracroft	Cracroft	Cracroft	Cracroft	Pultney	Old punt	Home Street	Summer selle of the sections	Sanndniden Street Fort	Orthon Street	THE PARTY OF THE P	Armur	Arthur	Tangera	Catherine St	Catherine St	Catherine St	Catherine St	Tasmania Street	Lewis Street		Edward	Frederick	Norfolk	Norfolk	Drammond St	Drummond Crese	Drummond Cr East	Drummond Cresc	Drummond St		NAME	STREET	ROAD OR	100000000000000000000000000000000000000
TO	Columbia Columbia	7 00 7	Park	Lewis	Park	Catherine St	Equis Court	Mews Crt	Marlborough	Cressy Road	Catherine	Pakenham	Clarence	Lewis	Cincery storin	Crossy Board	Opensy Road				Chalcitic	Crasroft	Talbot	High	William	Lewis	Tasmania St		Napoleon	Clarence	Seal Change	Drummond	Drummond C East	1		Kerb	Drummond C Wes	or Description	Street Name	FROM	Segment	
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Perth 136 1.88 216 North Rep 3M Sine Secretary Contact Secretary Secret	Only Of	Gay St	Bulwer	Gay St	Cressy Rd	Anstey	Equis Court	Mews Crt	Mariborouge	Cressy Rd	Catherine	William	Cracroft	1100	End both	Archer St		2	Seat Change	WAIHEATH	End	Cracroft	No 23	High	Bulwer	Wellington		Cronwell	William		Seal Chang	End K&g	Start Kerb	Charles	Drummond	End of kerb	or Description	Street Name	TO	Foot	I DOCUM	
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Proofpath Keplacement Program 2023/2 Area		Pinn	inna	Poor	Lang	Long	Long	Lang	Lang	Long	Long	Lang	P包竹	Long	vicas)	Croper	Cressy	9.5	7690	Perm	reau	Long	Cana	Baon	Long	Long	Long		Perth	Pert	Perth	Perth	Perth	Perth	Perth	Perth	Perth		ē		etails A	algane
Proofpath Keplacement Program 2023/2 Anes Driveway Side Rep Sim Sim Signary Side Rep Sim Signary Side Rec Council New Side Nth side. N		10.0	212	135	206	254	82	142	70	80	250	177	238	300	101	100	5 6	20	3 3	103	210	123	45	70	206	140	120		252	213	136	125	81	gg	260	87	74	Metres	Length	Foolpath	III Segr	210 0
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- 104 -

Appendix K Road Project Business Case (Draft)

Introduction

Council has developed a system for analytically determining the priority given to a proposed capital project, by introducing a fair process of assessment for each nominated project. Adopting this method of project prioritisation ensures a justified decision making process with respect to good practice asset management. A standard and consistent application for nominating potential capital projects will result in a complete and auditable process. This process will incorporate; works program development, identifying asset requirements, setting appropriate levels of service, levels of maintenance intervention, selection of treatment options and the process of prioritisation and optimisation of the programmed works to ensure best value for money.

This approach to capital project evaluation is based on the *IIMM* structured process of prioritising capital works using Multi-Criteria Analysis and Benefit-Cost Analysis. Multi-Criteria Analysis involves ranking projects individually on Risk/Safety, Technical, Corporate, Social, Environmental impacts and also on criteria that directly applies to the particular asset category. Each criterion is nominated a ranking system which is then weighted based on the importance of the criteria. All scores are added to create a project priority percentage, which allows for comparison to similar projects, the higher percentage resulting in higher priority.

The Benefit-Cost Analysis provides the link between Multi-Criteria Analysis and the projects predicted lifecycle costs to council. The analysis results in a Benefit Cost Ratio that is comparable with similar projects in determining "value for money".

Risk Management

One of the main objectives in developing this process of project identification is the initial evaluation of risk associated with undertaking a project, or, safety/risk issues associated with NOT completing a project. Large or complex projects may involve the completion of a risk assessment in accordance with the relative Asset Management Plan (AMP) and Infrastructure Risk Management Plan (IRMP). General projects relatively small may be assessed mindful of the associated content in the AMP and IRMP.

Level of Service

Council has devised within the AMP's documented current service level standards for each respective asset category. Each asset category service level has an optimum performance target which has identified areas requiring improvement. Through analysis of the areas requiring improvement has evolved a number of capital projects to raise the current level of service to meet the optimum performance targets. Due to the large number of project identified it is essential to devise a semi automated process of prioritisation to filter projects of importance to the top of the list.

- 105 -

Project Priority Rating

The following criteria measures the potential impact the project will have on the various areas of identified importance.

Risk/Safety

Risk priority is assessed in accordance with an Infrastructure Risk Management Plan (yet to be implemented) for the particular asset category, based on the likelihood and consequence of failure. Probable risks associated with asset creation/ upgrade/ renewal include;

- → Physical Risk; potential for personal damage/injury to the user if assets remain in service
- → Financial Risk; over expenditure on maintenance to sustain a serviceable asset, uncertain funding and/or conditions of the proposed project
- → Political Risk; if asset falls below service standard will attract public concern and/or political pressure for asset creation/upgrade due to community demand.

The scoring for risk/safety is to be scaled to suit the significants of each asset class and category as documented in the respective asset management plans.

- 0. Nil risk or safety issues involved
- 1. Low risk with minor consequences
- 2. Medium risk
- 3. Medium High
- 4. High

The scoring of this criterion has the highest weighting of 25% due to the risk based approach to identifying priority projects.

Technical

Technical priority is assessed based on the current standard of the asset/s and the project's ability to improve the asset's function/condition. This may be further based on the assessed condition of the asset and the estimated remaining life to determine its priority. Improvement of the asset's function by comparing the current capacity of the existing assets to the proposed upgrade of the assets through;

- → Technology enhancement
- → Higher design standard
- → Increased serviceability
- → Condition/Life remaining
- → Improved function efficiency

The scoring of technical aspects is to be scaled to suit the significants of each asset class and category as documented in the respective asset management plans.

- 1. Neutral
- 2. Good Condition / Minimal improved function
- 3. Average Condition / Some improvement in function
- 4. Requires work / Significant improvement in function

5. End of serviceable life / Optimum improved function

The scoring of the Technical criteria has adopted a 20% weighting to recognise the process of logical assessment in the asset lifecycle and potential function efficiencies.

Corporate

Corporate priority is linked to whether the project is a commitment through a Council resolution and/or included in the following Council approved documents:

- → Asset Management Policy
- → Risk Management Policy
- → Asset Management Plan/Strategy
- → Emergency Response Plan
- → Business Plans

Projects stated in the above Council approved documents are to be scored relative to the documented importance of the project outcome. For example, Council policy is to provide a footpath on at least one side of the road connecting all urban streets from town centres to town boundaries (resulting in streets closer to town centres gaining a higher priority for footpath construction, hence higher pedestrian use). The scoring of corporate responsibilities is to be scaled to suit the significants of each asset class and category as documented in the respective asset management plans.

- 0. Neutral
- 1. Low
- 2. Medium
- 3. High

The scoring of the corporate criteria has adopted a 20% weighting due to the importance of Council commitments and approved policies.

Transport - Road Category

This is related to the specified road category of the asset, as documented in the *Road Asset Management Plan*;

- 1. Arterial
- 2. Link or Industrial
- 3. Collector
- 4. Local Access

Social/Community Impact

This criterion is based on the perceived community benefit through project completion. This can be measured and assessed based on the number of residential properties directly affected or the potential number of users the completed project will attract.

- → Number of properties in the general area of the project
- → Public/community usage

- → Public/community perception of project outcome
- → Social community involvement

The scoring of Social/Community aspects is to be scaled to suit the significants of each asset class and category as documented in the respective asset management plans.

- 0. Neutral
- 1. Low
- 2. Medium
- 3, High

The scoring of the Social/Community criteria has adopted a 10% weighting to recognise the importance of community satisfaction with Council projects.

Environment

Environmental impact is assessed based on the significants of the surrounding environment, including the natural and built environment.

- ightarrow Impact on Flora and Fauna; removal of trees and significant native species
- → Impact on landscape; rural scenic character or urban town character
- → Cultural heritage
- → Pollution; residents affected by increased traffic volume, noise

The scoring of Environment aspects is to be scaled to suit the significants of each asset class and category as documented in the respective asset management plans.

- 1. Neutral
- 2. Low
- 3. Medium
- 4. High

The scoring of the Environment criteria has adopted a 10% weighting to recognise the importance of environmental conditions when proposing a Capital Project.

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- 110 -

Appendix L Abbreviations

AAAC Average annual asset consumption

AM Asset management

AM Plan Asset management plan

ARI Average recurrence interval

ASC Annual service cost

BOD Biochemical (biological) oxygen demand

CRC Current replacement cost

CWMS Community wastewater management systems

DA Depreciable amount

DRC Depreciated replacement cost

EF Earthworks/formation

IRMP Infrastructure risk management plan

LCC Life Cycle cost

LCE Life cycle expenditure

LTFP Long term financial plan

MMS Maintenance management system

PCI Pavement condition index

RV Residual value

SoA State of the Assets

SS Suspended solids

vph Vehicles per hour

WDCRC Written down current replacement cost

Appendix M Glossary

Annual service cost (ASC)

Reporting actual cost The annual (accrual) cost of providing a service

including operations, maintenance, depreciation, finance/opportunity and disposal costs less revenue.

2) For investment analysis and budgeting

An estimate of the cost that would be tendered, per annum, if tenders were called for the supply of a service to a performance specification for a fixed term. The Annual Service Cost includes operations, maintenance, depreciation, finance/opportunity and disposal costs, less revenue.

Asset

A resource controlled by an entity as a result of past events and from which future economic benefits are expected to flow to the entity. Infrastructure assets are a sub-class of property, plant and equipment which are non-current assets with a life greater than 12 months and enable services to be provided.

Asset category

Sub-group of assets within a class hierarchy for financial reporting and management purposes.

Asset class

A group of assets having a similar nature or function in the operations of an entity, and which, for purposes of disclosure, is shown as a single item without supplementary disclosure.

Asset condition assessment

The process of continuous or periodic inspection, assessment, measurement and interpretation of the resultant data to indicate the condition of a specific asset so as to determine the need for some preventative or remedial action.

Asset hierarchy

A framework for segmenting an asset base into appropriate classifications. The asset hierarchy can be based on asset function or asset type or a combination of the two.

Asset management (AM)

The combination of management, financial, economic, engineering and other practices applied to physical assets with the objective of providing the required level of service in the most cost effective manner.

Asset renewal funding ratio

The ratio of the net present value of asset renewal funding accommodated over a 10 year period in a long term financial plan relative to the net present value of projected capital renewal expenditures identified in an asset management plan for the same period [AIFMG Financial Sustainability Indicator No 8].

Average annual asset consumption (AAAC)*

The amount of an organisation's asset base consumed during a reporting period (generally a year). This may be calculated by dividing the depreciable amount by the useful life (or total future economic benefits/service potential) and totalled for each and every asset OR by dividing the carrying amount (depreciated replacement cost) by the remaining useful life (or remaining future economic benefits/service potential) and totalled for each and every asset in an asset category or class.

Borrowings

A borrowing or loan is a contractual obligation of the borrowing entity to deliver cash or another financial asset to the lending entity over a specified period of time or at a specified point in time, to cover both the initial capital provided and the cost of the interest incurred for providing this capital. A borrowing or loan provides the means for the borrowing entity to finance outlays (typically physical assets) when it has insufficient funds of its own to do so, and for the lending entity to make a financial return, normally in the form of interest revenue, on the funding provided.

Capital expenditure

Relatively large (material) expenditure, which has benefits, expected to last for more than 12 months. Capital expenditure includes renewal, expansion and upgrade. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

Capital expenditure - expansion

Expenditure that extends the capacity of an existing asset to provide benefits, at the same standard as is currently enjoyed by existing beneficiaries, to a new group of users. It is discretionary expenditure, which increases future operations and maintenance costs, because it increases the organisation's asset base, but may be associated with additional revenue from the new user group, eg. extending a drainage or road network, the provision of an oval or park in a new suburb for new residents.

Capital expenditure - new

Expenditure which creates a new asset providing a new service/output that did not exist beforehand. As it increases service potential it may impact revenue and will increase future operations and maintenance expenditure.

Capital expenditure - renewal

Expenditure on an existing asset or on replacing an existing asset, which returns the service capability of the asset up to that which it had originally. It is periodically required expenditure, relatively large (material) in value compared with the value of the components or sub-components of the asset being renewed. As it reinstates existing service potential, it generally has no impact on revenue, but may reduce future operations and maintenance expenditure if completed at the optimum time, eg. resurfacing or resheeting a material part of a road network, replacing a material section of a drainage network with pipes of the same capacity, resurfacing an oval.

Capital expenditure - upgrade

Expenditure, which enhances an existing asset to provide a higher level of service or expenditure that will increase the life of the asset beyond that which it had originally. Upgrade expenditure is discretionary and often does not result in additional revenue unless direct user charges apply. It will increase operations and maintenance expenditure in the future because of the increase in the organisation's asset base, eg. widening the sealed area of an existing road, replacing drainage pipes with pipes of a greater capacity, enlarging a grandstand at a sporting facility.

Capital funding

Funding to pay for capital expenditure.

Capital grants

Monies received generally tied to the specific projects for which they are granted, which are often upgrade and/or expansion or new investment proposals.

Capital investment expenditure

See capital expenditure definition

Capitalisation threshold

The value of expenditure on non-current assets above which the expenditure is recognised as capital expenditure and below which the expenditure is charged as an expense in the year of acquisition.

Carrying amount

The amount at which an asset is recognised after deducting any accumulated depreciation / amortisation and accumulated impairment losses thereon.

Class of assets

See asset class definition

Component

Specific parts of an asset having independent physical or functional identity and having specific attributes such as different life expectancy, maintenance regimes, risk or criticality.

Core asset management

Asset management which relies primarily on the use of an asset register, maintenance management systems, job resource management, inventory control, condition assessment, simple risk assessment and defined levels of service, in order to establish alternative treatment options and long-term cashflow predictions. Priorities are usually established on the basis of financial return gained by carrying out the work (rather than detailed risk analysis and optimised decision-making).

Cost of an asset

The amount of cash or cash equivalents paid or the fair value of the consideration given to acquire an asset at the time of its acquisition or construction, including any costs necessary to place the asset into service. This includes one-off design and project management costs.

Critical assets

Assets for which the financial, business or service level consequences of failure are sufficiently severe to justify proactive inspection and rehabilitation. Critical assets have a lower threshold for action than non-critical assets.

Current replacement cost (CRC)

The cost the entity would incur to acquire the asset on the reporting date. The cost is measured by reference to the lowest cost at which the gross future economic benefits could be obtained in the normal course of business or the minimum it would cost, to replace the existing asset with a technologically modern equivalent new asset (not a second hand one) with the same economic benefits (gross service potential) allowing for any differences in the quantity and quality of output and in operating costs.

Deferred maintenance

The shortfall in rehabilitation work undertaken relative to that required to maintain the service potential of an asset.

Depreciable amount

The cost of an asset, or other amount substituted for its cost, less its residual value.

Depreciated replacement cost (DRC)

The current replacement cost (CRC) of an asset less, where applicable, accumulated depreciation calculated on the basis of such cost to reflect the already consumed or expired future economic benefits of the asset.

Depreciation / amortisation

The systematic allocation of the depreciable amount (service potential) of an asset over its useful life.

Economic life

See useful life definition.

Expenditure

The spending of money on goods and services. Expenditure includes recurrent and capital outlays.

Expenses

Decreases in economic benefits during the accounting period in the form of outflows or depletions of assets or increases in liabilities that result in decreases in equity, other than those relating to distributions to equity participants.

Fair value

The amount for which an asset could be exchanged, or a liability settled, between knowledgeable, willing parties, in an arms length transaction.

Financing gap

A financing gap exists whenever an entity has insufficient capacity to finance asset renewal and other expenditure necessary to be able to appropriately maintain the range and level of services its existing asset stock was originally designed and intended to deliver. The service capability of the existing asset stock should be determined assuming no additional operating revenue, productivity improvements, or net financial liabilities above levels currently planned or projected. A current financing gap means service levels have already or are currently falling. A projected financing gap if not addressed will result in a future diminution of existing service levels.

Heritage asset

An asset with historic, artistic, scientific, technological, geographical or environmental qualities that is held and maintained principally for its contribution to knowledge and culture and this purpose is central to the objectives of the entity holding it.

Impairment Loss

The amount by which the carrying amount of an asset exceeds its recoverable amount.

Infrastructure assets

Physical assets that contribute to meeting the needs of organisations or the need for access to major economic and social facilities and services, eg. roads, drainage, footpaths and cycleways. These are typically large, interconnected networks or portfolios of composite assets. The components of these assets may be separately maintained, renewed or replaced individually so that the required level and standard of service from the network of assets is continuously sustained. Generally the components and hence the assets have long lives. They are fixed in place and are often have no separate market value.

Investment property

Property held to earn rentals or for capital appreciation or both, rather than for:

- (a) use in the production or supply of goods or services or for administrative purposes; or
- (b) sale in the ordinary course of business.

Key performance indicator

A qualitative or quantitative measure of a service or activity used to compare actual performance against a standard or other target. Performance indicators commonly relate to statutory limits, safety, responsiveness, cost, comfort, asset performance, reliability, efficiency, environmental protection and customer satisfaction.

Level of service

The defined service quality for a particular service/activity against which service performance may be measured. Service levels usually relate to quality, quantity, reliability, responsiveness, environmental impact, acceptability and cost.

Life Cycle Cost *

- Total LCC The total cost of an asset throughout its life including planning, design, construction, acquisition, operation, maintenance, rehabilitation and disposal costs.
- 2. Average LCC The life cycle cost (LCC) is average cost to provide the service over the longest asset life cycle. It comprises average operations, maintenance expenditure plus asset consumption expense, represented by depreciation expense projected over 10 years. The Life Cycle Cost does not indicate the funds required to provide the service in a particular year.

Life Cycle Expenditure

The Life Cycle Expenditure (LCE) is the average operations, maintenance and capital renewal expenditure accommodated in the long term financial plan over 10 years. Life Cycle Expenditure may be compared to average Life Cycle Cost to give an initial indicator of affordability of projected service levels when considered with asset age profiles.

Loans / borrowings

See borrowings.

Maintenance

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, eg road patching but excluding rehabilitation or renewal. It is operating expenditure required to ensure that the asset reaches its expected useful life.

· Planned maintenance

Repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown criteria/experience, prioritising scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.

Reactive maintenance

Unplanned repair work that is carried out in response to service requests and management/ supervisory directions.

• Specific maintenance

Maintenance work to repair components or replace sub-components that needs to be identified as a specific maintenance item in the maintenance budget.

• Unplanned maintenance

Corrective work required in the short-term to restore an asset to working condition so it can continue to deliver the required service or to maintain its level of security and integrity.

Maintenance expenditure *

Recurrent expenditure, which is periodically or regularly required as part of the anticipated schedule of works required to ensure that the asset achieves its useful life and provides the required level of service. It is expenditure, which was anticipated in determining the asset's useful life.

Materiality

The notion of materiality guides the margin of error acceptable, the degree of precision required and the extent of the disclosure required when preparing general purpose financial reports. Information is material if its omission, misstatement or non-disclosure has the potential, individually or collectively, to influence the economic decisions of users taken on the basis of the financial report or affect the discharge of accountability by the management or governing body of the entity.

Modern equivalent asset

Assets that replicate what is in existence with the most cost-effective asset performing the same level of service. It is the most cost efficient, currently available asset which will provide the same stream of services as the existing asset is capable of producing. It allows for technology changes and, improvements and efficiencies in production and installation techniques

Net present value (NPV)

The value to the organisation of the cash flows associated with an asset, liability, activity or event calculated using a discount rate to reflect the time value of money. It is the net amount of discounted total cash inflows after deducting the value of the discounted total cash outflows arising from eg the continued use and subsequent disposal of the asset after deducting the value of the discounted total cash outflows.

Non-revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are not expected to generate any savings or revenue to the Council, eg. parks and playgrounds, footpaths, roads and bridges, libraries, etc.

Operations

Regular activities to provide services such as public health, safety and amenity, eg street sweeping, grass mowing and street lighting.

Operating expenditure

Recurrent expenditure, which is continuously required to provide a service. In common use the term typically includes, eg power, fuel, staff, plant equipment, oncosts and overheads but excludes maintenance and depreciation. Maintenance and depreciation is on the other hand included in operating expenses.

Operating expense

The gross outflow of economic benefits, being cash and non cash items, during the period arising in the course of ordinary activities of an entity when those outflows result in decreases in equity, other than decreases relating to distributions to equity participants.

Operating expenses

Recurrent expenses continuously required to provide a service, including power, fuel, staff, plant equipment, maintenance, depreciation, on-costs and overheads.

Operations, maintenance and renewal financing ratio

Ratio of estimated budget to projected expenditure for operations, maintenance and renewal of assets over a defined time (eg 5, 10 and 15 years).

Operations, maintenance and renewal gap

Difference between budgeted expenditures in a long term financial plan (or estimated future budgets in absence of a long term financial plan) and projected expenditures for operations, maintenance and renewal of assets to achieve/maintain specified service levels, totalled over a defined time (e.g. 5, 10 and 15 years).

Pavement management system (PMS)

A systematic process for measuring and predicting the condition of road pavements and wearing surfaces over time and recommending corrective actions.

PMS Score

A measure of condition of a road segment determined from a Pavement Management System.

Rate of annual asset consumption *

The ratio of annual asset consumption relative to the depreciable amount of the assets. It measures the amount of the consumable parts of assets that are consumed in a period (depreciation) expressed as a percentage of the depreciable amount.

Rate of annual asset renewal *

The ratio of asset renewal and replacement expenditure relative to depreciable amount for a period. It measures whether assets are being replaced at the rate they are wearing out with capital renewal expenditure expressed as a percentage of depreciable amount (capital renewal expenditure/DA).

Rate of annual asset upgrade/new *

A measure of the rate at which assets are being upgraded and expanded per annum with capital upgrade/new expenditure expressed as a percentage of depreciable amount (capital upgrade/expansion expenditure/DA).

Recoverable amount

The higher of an asset's fair value, less costs to sell and its value in use.

Recurrent expenditure

Relatively small (immaterial) expenditure or that which has benefits expected to last less than 12 months. Recurrent expenditure includes operations and maintenance expenditure.

Recurrent funding

Funding to pay for recurrent expenditure.

Rehabilitation

See capital renewal expenditure definition above.

Remaining useful life

The time remaining until an asset ceases to provide the required service level or economic usefulness. Age plus remaining useful life is useful life.

Renewa

See capital renewal expenditure definition above.

Residual value

The estimated amount that an entity would currently obtain from disposal of the asset, after deducting the estimated costs of disposal, if the asset were already of the age and in the condition expected at the end of its useful life.

Revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are expected to generate some savings or revenue to offset operating costs, eg public hails and theatres, childcare centres, sporting and recreation facilities, tourist information centres, etc.

Risk management

The application of a formal process to the range of possible values relating to key factors associated with a risk in order to determine the resultant ranges of outcomes and their probability of occurrence.

Section or segment

A self-contained part or piece of an infrastructure asset.

Service potential

The total future service capacity of an asset. It is normally determined by reference to the operating capacity and economic life of an asset. A measure of service potential is used in the not-for-profit sector/public sector to value assets, particularly those not producing a cash flow.

- 116 -

Service potential remaining

A measure of the future economic benefits remaining in assets. It may be expressed in dollar values (Fair Value) or as a percentage of total anticipated future economic benefits. It is also a measure of the percentage of the asset's potential to provide services that is still available for use in providing services (Depreciated Replacement Cost/Depreciable Amount).

Specific Maintenance

Replacement of higher value components/subcomponents of assets that is undertaken on a regular cycle including repainting, replacement of air conditioning equipment, etc. This work generally falls below the capital/ maintenance threshold and needs to be identified in a specific maintenance budget allocation.

Strategic Longer-Term Plan

A plan covering the term of office of councillors (4 years minimum) reflecting the needs of the community for the foreseeable future. It brings together the detailed requirements in the Council's longer-term plans such as the asset management plan and the long-term financial plan. The plan is prepared in consultation with the community and details where the Council is at that point in time, where it wants to go, how it is going to get there, mechanisms for monitoring the achievement of the outcomes and how the plan will be resourced.

Sub-component

Smaller individual parts that make up a component part.

Useful life

Either:

- (a) the period over which an asset is expected to be available for use by an entity, or
- (b) the number of production or similar units expected to be obtained from the asset by the entity.

It is estimated or expected time between placing the asset into service and removing it from service, or the estimated period of time over which the future economic benefits embodied in a depreciable asset, are expected to be consumed by the Council.

Value in Use

The present value of future cash flows expected to be derived from an asset or cash generating unit. It is deemed to be depreciated replacement cost (DRC) for those assets whose future economic benefits are not primarily dependent on the asset's ability to generate net cash inflows, where the entity would, if deprived of the asset, replace its remaining future economic benefits.

Source: IPWEA, 2009, Glossary

Additional and modified glossary items show.

- 117 -



STORMWATER Asset Management Plan



Version 1b

January 2016

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1a	Jan 2012		JG/MB		NMC
1b	Jan 2016		MB		NMC
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The Institute of Public Works Engineering Australasia.

www.ipwea.org/namsplus

TABLE OF CONTENTS

1.	EXECUTIVE SU	JMMARY 1
	Context	
	What does it	Cost?
		do1
	What we cann	not do
	Managing the	Risks
	Confidence Le	evels
	The Next Step	s2
2.	INTRODUCTIO)N4
		ınd4
	2.2 Goals an	d Objectives of Asset Management5
	2.3 Plan Fran	mework
	2.4 Core and	Advanced Asset Management
	2.5 Commur	nity Consultation8
3.	LEVELS OF SER	RVICE 8
	3.1 Custome	er Research and Expectations
		and Corporate Goals9
	3.3 Legislativ	/e Requirements
	3.4 Commun	nity Levels of Service10
		Levels of Service
4.	FUTURE DEMA	AND13
	4.1 Demand	Drivers
		Forecast
	4.3 Demand	Impact on Assets
	4.4 Demand	Management Plan
	4.5 Asset Pro	ograms to meet Demand14
5.	LIFECYCLE MA	NAGEMENT PLAN
		ınd Data 15
	5.2 Infrastru	cture Risk Management Plan
		Operations and Maintenance Plan
		/Replacement Plan
	5.5 Creation,	/Acquisition/Upgrade Plan23
		Plan
	5.7 Service C	Consequences and Risks
6.	FINANCIAL SU	MMARY
		Statements and Projections
		Strategy
	6.3 Valuation	n Forecasts 30
	6.4 Key Assu	mptions made in Financial Forecasts
	6.5 Forecast	Reliability and Confidence
7.		EMENT AND MONITORING34
	7.1 Status of	Asset Management Practices
		ment Program
	7.3 Monitori	ng and Review Procedures
	7.4 Performa	nce Measures
8.	REFERENCES	
9.		39
	Appendix A	Maintenance Response Levels of Service
	Appendix B	Projected 10 year Capital Renewal and Replacement Works Program41
	Appendix C	Projected Upgrade/Exp/New 10 year Capital Works Program
	Appendix D	Budgeted Expenditures Accommodated in LTFP
	Appendix E	Abbreviations45
	Annendix F	Glossary 46

1. EXECUTIVE SUMMARY

Context

Northern Midlands Council provides a stormwater network within town areas to drain the majority of properties, roads reservations and public open spaces.

This stormwater asset management plan includes all stormwater related assets of pipes, council maintained open drains, manholes, stormwater entry pits and grates, pollutant traps, and detention storage facilities.

Bridges, kerb and channel, open drains, and rural roadside drainage are referenced in Council's Transport Asset Management Plan.

Council employs a Plumbing Inspector to oversee stormwater house connections. New stormwater works are predominantly undertaken by private subdividers. Council stormwater extensions are undertaken by the maintenance staff or by contractors.

Council is currently working on Stormwater Management Plans for each of its towns beginning with Perth, Cressy and Longford. In addition, detailed engineering studies are being undertaken on improvements to the Translink Industrial Precinct stormwater system, and the West Perth Stormwater System.

The Stormwater Service

The Stormwater network comprises:

- 90.842 kms total length of pipes (2,690 records) with value of \$28,880,912
- 2,661 Manholes, pits and grates with value of \$5,837,362.

These infrastructure assets have a total replacement value of \$34,045,073.

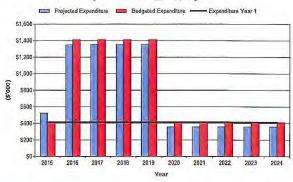
What does it Cost?

The projected outlays necessary to provide the services covered by this Asset Management Plan (AM Plan) includes operations, maintenance, renewal and upgrade of existing assets over the 10 year planning period is \$7.735m or \$773,000 on average per year.

Estimated available funding for this period is \$8.1m or \$810,000 on average per year which is 105% of the cost to provide the service. This is fully funding average expenditure per year (subject to grant funding or reserve funding of the Translink Stormwater Upgrade Plan). Projected expenditure required to

provide services in the AM Plan compared with planned expenditure currently included in the Long Term Financial Plan are shown in the graph below.

Northern Midlands - Projected and Budget Expenditure for (Stormwater_S1_V1)



What we will do

We plan to provide Stormwater services for the following:

- Operation, maintenance, renewal and upgrade of stormwater to meet service levels set by Council in annual budgets.
- Stormwater within the 10 year planning period.



What we cannot do

Works and services that cannot be provided under present funding levels possibly are:

- Major upgrades of stormwater systems at Translink Industrial Precinct and West Perth may need to be staged over several years without external funding sources being identified;
- Extension of the Longford Flood levee systems.

Managing the Risks

There are risks associated with providing the service and not being able to complete all identified activities and projects. We have identified major risks as:

- · adequate maintenance of assets
- renewal at optimal time
- · over-engineering/design
- emergency management.

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

- maintenance levels
- · condition assessments at regular intervals
- · qualified experienced staff.

Confidence Levels

This AM Plan is based on medium level of confidence of information.

The Next Steps

The actions resulting from this asset management plan are:

- Asset data collection/refining and modelling,
- Review risk analysis of stormwater network to better identify priority items,
- Capital works expenditure to be further refined/investigated,
- Incorporate any relevant components as a result of the Urban Drainage Act 2013 noting a key requirement being the development of Stormwater System Management Plan for the urban area within 6 years which is to specify:
 - i) Plans for the management of any assets used for the delivery of a stormwater service
 - ii)The level of risk from flooding for each urban stormwater catchment
 - (iii) Any other matters prescribed in the regulations or that the council considers appropriate.

Questions you may have

What is this plan about?

This asset management plan covers the infrastructure assets that serve the Northern Midlands Council community's stormwater needs. These assets include stormwater pipes and associated pits throughout the community that enable people to live without water inundation where possible.

What is an Asset Management Plan?

Asset management planning is a comprehensive process to ensure delivery of services from infrastructure is provided in a financially sustainable manner.

An asset management plan details information about infrastructure assets including actions required to provide an agreed level of service in the most cost effective manner. The plan defines the services to be provided, how the services are provided and what funds are required to provide the services.

Why is there a funding shortfall?

Most of the Council's stormwater network was constructed by developers and from government grants, often provided and accepted without consideration of ongoing operations, maintenance and replacement needs.

Many of these assets are approaching the later years of their life and require replacement, services from the assets are decreasing and maintenance costs are increasing.

Our present funding levels are sufficient to continue to provide existing services at current levels in the medium term.

What options do we have?

Resolving any funding shortfall involves several steps:

- Improving asset knowledge so that data accurately records the asset inventory, how assets are performing and when assets are not able to provide the required service levels,
- Improving our efficiency in operating, maintaining, renewing and replacing existing assets to optimise life cycle costs,
- Identifying and managing risks associated with providing services from infrastructure,
- Making trade-offs between service levels and costs to ensure that the community receives the best return from infrastructure,

- Identifying assets surplus to needs for disposal to make saving in future operations and maintenance costs,
- Consulting with the community to ensure that stormwater services and costs meet community needs and are affordable,
- Developing partnership with other bodies, where available to provide services,
- Seeking additional funding from governments and other bodies to better reflect a 'whole of government' funding approach to infrastructure services.

What happens if we don't manage any shortfall?

It is likely that we will have to reduce service levels in some areas, unless new sources of revenue are found to fund any shortfall. For stormwater, the service level reduction may include open drains in urban areas, some flash flooding in heavy rain events.



What can we do?

We can develop options, costs and priorities for future stormwater services, consult with the community to plan future services to match the community service needs with ability to pay for services and maximise community benefits against costs.

2. INTRODUCTION

2.1 Background

This asset management plan is to demonstrate responsive management of assets (and services provided from assets), compliance with regulatory requirements, and to communicate funding needed to provide the required levels of service over a 20 year planning period.

The asset management plan follows the format for AM Plans recommended in Section 4.2.6 of the International Infrastructure Management Manual¹.

The asset management plan is to be read with the organisation's Asset Management Policy, Asset Management Strategy and the following associated planning documents:

- 'Mapping Our Direction' 2007-2017 Strategic Plan Volumes 1 & 2
 This document outlines Council's vision and guiding principles to meet strategic objectives.
- Annual / Financial Report
 This outlines Council's activities and achievements for the financial year compared to its annual plan and strategic objectives, it also reports on the financial performance and position of Council.
- Annual Plan
 A detailed plan of projects and financial commitments for each year.
- Asset Management Policy & Strategy
 These documents outline Council's commitment to Asset Management.
- 10 Year Financial Plan
 This plan details Council's planned financial operating results, financial position and cash flows for each of the next 10 years. It outlines all aspects the key financial strategy objectives, funding parameters and commitments.
- 10 Year Capital Works Plan
 A detailed list of scheduled capital works projects for each year for the next 10 years.

This infrastructure assets covered by this asset management plan are shown in Table 2.1. These assets are used to provide stormwater services to the community.

Table 2.1: Assets covered by this Plan

	Asset category	Dimension	Replacement Value
Dra	alnage Mains	90.842 kms (2,690 recorded assets)	\$28,880,912
Tra	s (including Gross Pollutant ups, headwalls, grated pits, nholes and side entry pits)	2,661 recorded assets	\$5,837,362
TOTAL			\$34,045,073.

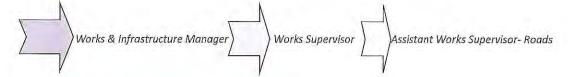
Key stakeholders in the preparation and implementation of this asset management plan are: Shown in Table 2.1.1.

¹ IPWEA, 2011, Sec 4.2.6, Example of an Asset Management Plan Structure, pp 4 24 - 27.

Table 2.1.1: Key Stakeholders in the AM Plan

Key Stakeholder	Role in Asset Management Plan		
Councillors/Board Members	 Represent needs of community/shareholders, Allocate resources to meet the organisation's objectives in providing services while managing risks, Ensure organisation is financial sustainable. 		
CEO/General Manager	 To maintain a proactive approach to customer requests and To maintain asset management systems and procedures which can better inform decisions by Councillors 		
Community	The business community and residents in general (reporting perceived shortcomings, damage, safety concerns etc) Tourists and visitors to the area		
Emergency Services	 Emergency services reporting concerns with the current infrastructure in relation to their needs 		
Governments	Governments providing input with regard to overall infrastructure performance in conjunction with infrastructure under their jurisdiction		
Utility Services	Utility companies providing input with regard to access to their assets		
Developers	 Developers providing input with regard to their interests in future investment in the infrastructure 		
Neighbouring Councils	 Neighbouring councils with maintaining a dialogue in regard to asset management practices, construction standards, resource sharing etc 		

Our organisational structure for service delivery from infrastructure assets is detailed below,



2.2 Goals and Objectives of Asset Management

The organisation exists to provide services to its community. Some of these services are provided by infrastructure assets. We have acquired infrastructure assets by 'purchase', by contract, construction by our staff and by donation of assets constructed by developers and others to meet increased levels of service.

Our goal in managing infrastructure assets is to meet the defined level of service (as amended from time to time) in the most cost effective manner for present and future consumers. The key elements of infrastructure asset management are:

- Providing a defined level of service and monitoring performance,
- · Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined level of service,
- · Identifying, assessing and appropriately controlling risks, and
- Having a long-term financial plan which identifies required, affordable expenditure and how it will be financed.²

² Based on IPWEA, 2011, IIMM, Sec 1.2 p 1 | 7.

-6-

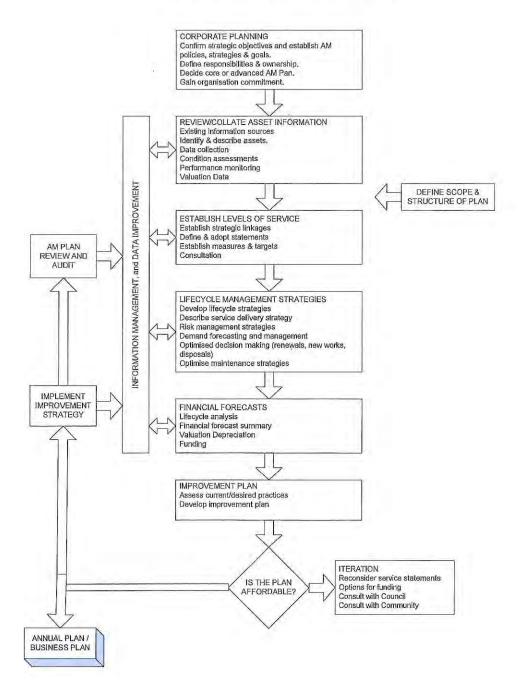
2.3 Plan Framework

Key elements of the plan are

- Levels of service specifies the services and levels of service to be provided by the organisation,
- Future demand how this will impact on future service delivery and how this is to be met,
- Life cycle management how Council will manage its existing and future assets to provide defined levels of service.
- · Financial summary what funds are required to provide the defined services,
- Asset management practices,
- Monitoring how the plan will be monitored to ensure it is meeting organisation's objectives,
- Asset management improvement plan.

A road map for preparing an asset management plan is shown below.

Road Map for preparing an Asset Management Plan Source: IPWEA, 2006, IIMM, Fig 1.5.1, p 1.11.



2.4 Core and Advanced Asset Management

This asset management plan is prepared as a 'core' asset management plan over a 20 year planning period in accordance with the International Infrastructure Management Manual³. It is prepared to meet minimum legislative and organisational requirements for sustainable service delivery and long term financial planning and reporting. Core asset management is a 'top down' approach where analysis is applied at the 'system' or 'network' level.

Future revisions of this asset management plan will move towards 'advanced' asset management using a 'bottom up' approach for gathering asset information for individual assets to support the optimisation of activities and programs to meet agreed service levels in a financially sustainable manner.

2,5 Community Consultation

In all cases, the asset functionality and asset maintenance targets need to be clearly defined with the community (users) and the asset service provider (Council) to determine the "line of best fit" having regard to practicality and economics. That is, a level of service provided within a reasonable duty of care in an affordable financially sustainable manner that considers community expectations in regard to safety and overall condition of the stormwater network.

Consultation with the community has been developed as a two-way process in order to encourage feedback and to assist with the corporate decision making process in determining future and strategic direction.

Council operates a Local District Committee Structure for the towns and villages of Ross, Campbell Town, Avoca/Royal George, Perth, Cressy, Longford and Evandale that is designed to measure and compare community satisfaction with Council and its services and provides data to ensure continuous improvement. These forums provide Council advice of a wide range of issues in their area.

In addition the Council's Customer Request System is tracked to determine the level of dissatisfaction with Council's local stormwater systems.

Council uses this information in developing the Strategic Management Plan and in allocation of resources in the annual budget.

3. LEVELS OF SERVICE

3.1 Customer Research and Expectations

Council engineers and technical officers have traditionally worked to the provision of a level of service that is an assumed to be the community's expectation.

During any future consultation process Council will test this assumption to make sure that it is correct or amend it accordingly. The assumptions are that the stormwater network will provide for:

- Adequate drainage for roads and streets,
- Drainage for public open spaces to ensure the safety of the public and allow use of these areas at all times of year
- Adequate drainage for properties and businesses;
- Acceptable water quality at point of discharge;
- The use of Water Sensitive Urban Design Principles including re-use of amount of stormwater discharged to the stormwater system.

In the future consideration could be given to formally research customer expectations with respect to stormwater drainage assets. This may be investigated for future updates of the asset management plan.

³ IPWEA, 2011, IIMM.

3.2 Strategic and Corporate Goals

This asset management plan is prepared under the direction of Council's vision, mission, goals and objectives.

Council's vision is:

Northern Midlands communities will be vibrant, sustainable and resilient, promoting their diversity and conserving the heritage values of our towns. Our competitive strengths will attract more people to the municipality, increase employment, business activity and property values. Our community pride will be based on co-operation and self help, evident by our leadership in environmental management. Each community's needs will be met with fair and appropriate quality services, creating high community satisfaction with Council's performance and high employee morale and well-being.

Council's mission is:

Northern Midlands is committed to providing effective, innovative and efficient service to the community it represents. It aims to encourage active local communities of distinct character and to foster a sense of pride in the Northern Midlands area.

Relevant Council goals and objectives and how these are addressed in this asset management plan are:

Table 1.2: Council Goals and how these are addressed in this Plan

Goal	Objective	How Goal and Objectives are addressed in the Asset Management Plan (AMP)
Improved governance and accountability	To demonstrate to owners, customers and stakeholders that services are being managed sustainably and delivered effectively and efficiently	This will be addressed with the successful completion and adoption of this AMP by Council
Enhanced service management and customer satisfaction	To identify current service levels and target levels to work towards	This will be an ongoing task to be monitored and reviewed with future revisions of this AMP
Improved risk management	To identify and address all known significant risks to Stormwater assets	The Risk Management Plan will document a structured approach to the identification and management of significant risks
Improved financial efficiency	To model and identify financial efficiencies within the asset category	This will be an ongoing task to be monitored and reviewed with future revisions of this AMP
Sustainability	Improved decision making	To consider all viable options (including demand management) and all aspects of decisions

The organisation will exercise its duty of care to ensure public safety is accordance with the infrastructure risk management plan prepared in conjunction with this AM Plan. Management of infrastructure risks is covered in Section 5.2

3.3 Legislative Requirements

The organisation has to meet many legislative requirements including Australian and State legislation and State regulations. These include:

Table 3.3: Legislative Requirements

Legislation	Requirement
Local Government Act	Sets out role, purpose, responsibilities and powers of local governments including the preparation of a long term financial plan supported by asset management plans for sustainable service delivery.
Sewers and Drains Act 1954	An Act to make better provision for schemes and systems of drainage.
Local Government (Highways) Act and Regulations	An Act concerning the functions with respect to highways and certain other ways and places open to the public
Occupational Health, Safety and Welfare Act & Regulations	Setting out minimum requirements in regard to the safety and wellbeing of workers and the public in and around infrastructure work sites
Work, Health and Safety Act 2012	Sets out requirements in regards to the safety and wellbeing of workers and the public in and around work sites.
Road and Jetties Act (1935)	An Act to consolidate and amend certain enactments relating to roads and jetties and to make provision for the establishment and maintenance of aerodromes,

The organisation will exercise its duty of care to ensure public safety in accordance with the infrastructure risk management plan linked to this AM Plan. Management of risks is discussed in Section 5.2.

3,4 Levels of Service

Service levels are defined service levels in two terms, customer levels of service and technical levels of service.

Community Levels of Service measure how the community receives the service and whether the organisation is providing community value.

Community levels of service measures used in the asset management plan are:

Quality How good is the service?
Function Does it meet users' needs?
Safety/Responsiveness Is the service over or under used?

The organisation's current and expected community service levels are detailed in Tables 3.4 and 3.5. Table 3.4 shows

the agreed expected community levels of service based on resource levels in the current long-term financial plan and

community consultation/engagement.

Table 3.4: Community Level of Service

Key Pterformense Westeure	Level of Service	Parformance Measure Process	Partormance Target	Corrent Fertormanse
COMMUNITY LE	VELS OF SERVICE			
Quality	Provide stormwater drainage system that meets community expectations by adequate collection and disposal	Number of customer service requests / complaints	<1 per month	No. of reported incidents ??
Function	Drainage point for all properties in town areas	No of properties where there is no stormwater discharge point	1 in 500 properties have to pump stormwater from property	Nil properties not meeting standard
Safety	Minimise flooding of roads and properties and ponding of stormwater for long periods	Inspections during rainfall events – number of reports of inconvenience claims, health or ponding.	<5 per annum	No. of requests ?? pa
Responsiveness	Council's response to various community raised issues ranging from calls about problems, handling correspondence and service applications	(a) Provision of a 24 hour, 7 day per week call-out service to attend to issues (b) Percentage of issues responded to in set timeframes	100% of time 95% of time	
TECHNICAL LE	VELS OF SERVICE			
Condition	Undertake inspections, routine maintenance tasks and repairs in a timely manner	Frequency of inspections, maintenance or repairs	Inspect every 24 months and repair within 3 months. Monthly cleaning of pits during autumn.	Not programmed
Accessibility	Ensure adequate stormwater drainage services are available within declared drainage districts	Number of reported property / road inundation events within serviced area following rain greater then 1in10 year event and discharge options exist	Flooding no more than one time in average 10 year period unless an upgrade or improvement program exists and a connection point or discharge option can be devised	Not currently measured
Cost Effectiveness	Provide services in a cost effective manner	Benchmarking against other councils or contractors	Validate cost of council compared to contractor undertaiking works or cost to maintain system is < or = to that of other municipalities	On a case by case basis. No current benchmarking against other Councils.
Safety	Ensure stormwater infrastructure poses low risk to community and provides physical barriers or signage to identify and protect from hazards. Grates and covers are installed on stormwater entry pits.	Number of injury / damage claims, defect and condition survey results and site specific risk assessments	Less than 1 claim for compensation per 10 km of network and any high risks identified are addresses within 3 months	No currently measured

3.5 Technical Levels of Service

Technical Levels of Service - Supporting the community service levels are operational or technical measures of performance. These technical measures relate to the allocation of resources to service activities that the organisation undertakes to best achieve the desired community outcomes and demonstrate effective organisational performance.

Service and asset managers plan, implement and control technical service levels to influence the customer service levels.⁴

Table 3.5 shows the technical level of service expected to be provided under this AM Plan. The agreed sustainable position in the table documents the position agreed by the Council/Board following community consultation and trade-off of service levels performance, costs and risk within resources available in the long-term financial plan.

Table 3.5: Technical Levels of Service

Kisy Parformance Measure	Level of Service	Performance Measure Process	Feriormance Taiget	Current Performance
TECHNICAL LE	VELS OF SERVICE			
Condition	Undertake inspections, routine maintenance tasks and repairs in a timely manner	Frequency of inspections, maintenance or repairs	Inspect every 24 months and repair within 3 months. Monthly cleaning of pits during autumn.	Not programmed
Accessibility	Ensure adequate stormwater drainage services are available within declared drainage districts	Number of reported property / road inundation events within serviced area following rain greater then 1in10 year event and discharge options exist	Flooding no more than one time in average 10 year period unless an upgrade or improvement program exists and a connection point or discharge option can be devised	Not currently measured
Cost Effectiveness	Provide services in a cost effective manner	Benchmarking against other councils or contractors	Validate cost of council compared to contractor undertaiking works or cost to maintain system is < or = to that of other municipalities	On a case by case basis, No current benchmarking against other Councils,
Safety	Ensure stormwater infrastructure poses low risk to community and provides physical barriers or signage to identify and protect from hazards. Grates and covers are installed on stormwater entry pits.	survey results and site specific risk assessments	Less than 1 claim for compensation per 10 km of network and any high risks identified are addresses within 3 months	No currently measured

⁴ IPWEA, 2011, IIMM, p 2.22

4. FUTURE DEMAND

4.1 Demand Drivers

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

4.2 Demand Forecast

The present position and projections for demand drivers that may impact future service delivery and utilisation of assets were identified and are documented in Table 4.3.

4.3 Demand Impact on Assets

The impact of demand drivers that may affect future service delivery and utilisation of assets are shown in Table 4.3.

Table 4.3: Demand Drivers, Projections and Impact on Services

Demand factor	Present position	Projection	Impact on services
Population	12,775 as at 31/12/2015		Increase in population require an extension of the stormwater system to drain new properties and businesses
Demographics	Median age of 40 as at June 2011	Continued increase in median age	Increased median age may lead to more unit developments which will increase pressure on the existing system
Climate Change	Can be hotter, wetter, and windier.	May increase seasonal extremes in rainfall, temperature, winds and pressure systems	What was once a 1 in 20 year system may be 1 in 10 year system. May require review of service levels and capital upgrades.
Density	Smaller land sizes	Likely to increase number of multiple tenancies, gated communities for retirees	Consider impact and possible overloading of stormwater assets
Planning Scheme	Revised Development Plans	Changes to zoning to facilitate new domestic subdivisions	Implications on existing infrastructure, consider need to redirect, detain, reuse, upgrade – or limit development
Water Quality	Limit structures to make improvements to public environmental awareness	Greater demand on treating stormwater runoff to higher standards	Increase in cost to install, maintain and replace a stormwater system that reduces pollution
Defective Plumbing connections to sewer	Number of occurrences where stormwater enters into the sewer system	Ben Lomond Water to require rectification	May increase costs and require extensions for collection of stormwater from previously unserviced areas.

4.4 Demand Management Plan

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 include non-asset solutions, insuring against risks and managing failures.

Non-asset solutions focus on providing the required service without the need for the organisation to own the assets and management actions including reducing demand for the service, reducing the level of service (allowing some assets to deteriorate beyond current service levels) or educating customers to accept appropriate asset failures⁵.

⁵ IPWEA, 2011, IIMM, Table 3.4.1, p 3 | 58.

Examples of non-asset solutions include providing services from existing infrastructure such as aquatic centres and libraries that may be in another community area or public toilets provided in commercial premises.

Opportunities identified to date for demand management are shown in Table 4.4. Further opportunities will be developed in future revisions of this asset management plan.

Table 4.4: Demand Management Plan Summary

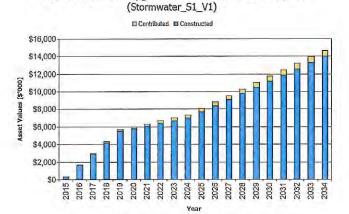
Service Activity	Demand Management Plan
Development controls	Require land developers to assess the impact of their developments on the capacity of existing infrastructure and to upgrade it if required.
	Consider implementation of developer contribution for upgrade of existing council infrastructure to cope with increased inflow of proposed development (eg \$ per new lot created). Also known as a "headworks charge".
	Consider measures to encourage greater level of on-site retention of stormwater (eg use of permeable paving, on-site retention systems etc).
	Consider greater restriction on developable land with respect to stormwater drainage issues.
Infrastructure design	Consider increasing the design standard of new / upgraded stormwater infrastructure
	Have to consider new/old infrastructure interface. e.g Investigate new construction techniques/materials such as open, permanent channels/swales in place of underground piping.
	Increase use of sediment/pollutant traps.
Renewal / Upgrade	Audit current system capacity to identify weaknesses in network.
programming	Continue to investigate alternative renewal treatments to lower lifecycle costs (eg pipe relining).

4.5 Asset Programs to meet Demand

The new assets required to meet growth will be acquired free of cost from land developments and constructed/acquired by the organisation. New assets constructed/acquired by the organisation are discussed in Section 5.5. The cumulative value of new contributed and constructed asset values are summarised in Figure 1.

Figure 1: Upgrade and New Assets to meet Demand

Northern Midlands - Upgrade & New Assets to meet Demand



Acquiring these new assets will commit the organisation to fund 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 in Section 5. *Projected expenditure after 10 years is based on average projected expenditure for the first 10 year period in the model.*

5. LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the organisation plans to manage and operate the assets at the agreed levels of service (defined in Section 3) while optimising life cycle costs.

5.1 Background Data

5.1.1 Physical parameters

The assets covered by this asset management plan are shown below (also refer Table 2.1).

Mains

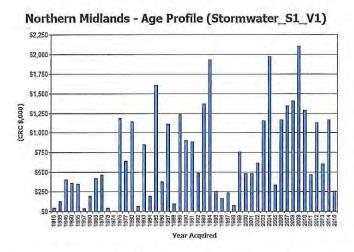
90.842 kms (2,690 individual assets)

Pits, manholes etc

2,661 units

The age profile of the assets include in this AM Plan is shown in Figure 2.

Figure 2: Asset Age Profile



The data for age profile is sourced from Council's asset register. While ages of assets acquired prior to 1993 are largely based on estimates - this is considered to be accurate enough given the long lifecycle of stormwater assets.

5.1.2 Asset capacity and performance

The organisation's services are generally provided to meet design standards where these are available.

Locations where deficiencies in service performance are known are detailed in Table 5.1.2.

Table 5.1.2: Known Service Performance Deficiencies

Location	Service Deficiency	
Drummond Street, Perth	An open drain maintained by State Growth runs along the southern side of Drummond Street. Due to the flat nature of the land in the Drummond Street area it is not possible to drain surface water from some properties to the stormwater system and localised flooding occurs in the yards of these properties.	
West Perth	Refer West Perth Drainage Study	
Translink Precinct Refer Translink Stormwater Improvement Study		

The above service deficiencies were identified from customer requests and inspections carried out by Council officers during rainfall events.

5.1.3 Asset condition

Council had not undertaken an asset condition of its underground stormwater infrastructure, although given the relative newness of the systems in their lifecycle it is expected condition rating will general be rates as 3 or better. For this reason the assets remaining life (useful life minus age) has been used as the most appropriate basis on which to model future renewals expenditure. It should be noted that, whilst this approach provides robust results for the network as a whole, it is less than ideal when considering any particular individual asset.

The condition profile of our assets is shown in Figure 3.

Fig 3: Asset Condition Profile

\$12,000 S10,000 S50,000 S2,000 S2,000 S0

Northern Midlands - Condition Profile (Stormwater_S1_V1)

Condition is measured using a 1 – 5 grading system⁶ as detailed in Table 5.1.3.

Table 5.1.3: Simple Condition Grading Model

Rating

Condition Grading	Description of Condition
1	Very Good: only planned maintenance required
2	Good: minor maintenance required plus planned maintenance
3	Fair: significant maintenance required
4	Poor: significant renewal/rehabilitation required
5	Very Poor: physically unsound and/or beyond rehabilitation

5.1.4 Asset valuations

The value of assets recorded in the asset register as at 1 July 2015 covered by this asset management plan is shown below. Assets were last revalued at 1 July 2015. Assets are valued at fair value to replace service capacity.

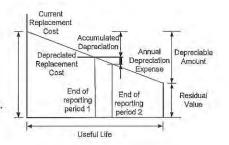
Replacement Cost \$34,045,073

Depreciable Amount \$25,593,208

Depreciated Replacement Cost \$25,593,208

Annual Depreciation Expense \$403,693

Useful lives were reviewed in June 2013 by Pitt & Sherry (consultants).



⁶ IPWEA, 2011, IIMM, Sec 2.5.4, p 2 | 79.

⁷ Also reported as Written Down Current Replacement Cost (WDCRC).

Key assumptions made in preparing the valuations were:

- Depth of stormwater mains, and
- Age of stormwater mains.

There were no major changes from previous valuations.

Various ratios of asset consumption and expenditure have been prepared to help guide and gauge asset management performance and trends over time.

Rate of Annual Asset Consumption

1.6%

(Depreciation/Depreciable Amount)

Rate of Annual Asset Renewal

0.20%

(Capital renewal exp/Depreciable amount)

In 2015/16 the organisation plans to renew assets at 14.6% of the rate they are being consumed and will be increasing its asset stock by 1.3% in the year.

Historical Data 5.1.5

Council has made substantial improvement to urban stormwater systems over recent years and the expenditure breakdown for the last 5 year period is detailed in Table 5.1.5.

New Assets Replacement Value Year

Table 5.1.5: Stormwater Asset Capital Expenditure History

TOTAL	\$1,357,621	\$568,003
2014/15	\$584,563	\$nil
2013/14	\$299,248	\$nil
2012/13	\$257,278	\$77,681
2011/12	\$146,450	\$86,161
2010/11	\$70,082	\$404,161

5.2 Infrastructure Risk Management Plan

An assessment of risks⁸ associated with service delivery from infrastructure assets has identified critical risks that will result in loss or reduction in service from infrastructure assets or a 'financial shock' to the organisation. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

Critical risks, being those assessed as 'Very High' - requiring immediate corrective action and 'High' - requiring prioritised corrective action identified in the Infrastructure Risk Management Plan, together with the estimated residual risk after the selected treatment plan is operational are summarised in Table 5.2. These risks are reported to management and Council.

Table 5.2: Critical Risks and Treatment Plans

Asset at Risk	What can Happen	Risk Rating (VH, H)	Risk Treatment Plan
Property flooding	Significant property damage/ minor injury		Replace aged or damaged infrastructure Regular inspections of pits and grates to prevent blockages

			Assesment of all new developments to ensure that the capacity of the system is sufficient.
Road flooding	Traffic delays, vehicular accident	Н	Replace aged or damaged infrastructure Regular inspections of pits and grates to prevent blockages Assesment of all new developments to ensure that the capacity of the system is sufficient.
Flooding or ponding in public open space	Minor injuries (e.g. slips trips or falls)	Н	Regular inspection of pits and grates to remove blockages. Inspections during and after rainfall events
Discharge of pollutants	Risk to downstream of river	Н	Installation of gross pollutant traps if required
into river system	Damage to marine life and river eco-systems		Encourage implementation of water sensitive urban design principles
			Impose planning conditions on potential polluters to control pollutants at source with interceptor traps or other control methods
Road failure due to failure of stormwater system	Pavement failure / defects	Н	Regular inspections Replacement of aged or damage infrastructure
Property (private and council)	Flooding due to restriction, capacity shortfall or excessive flow	Medium	Timely clearing of restrictions, sandbags, owner awareness, system upgrades
Roads (due to stormwater system failure or excessive water)	Isolation, aquaplaning, damage to roads, person or property	Medium	This is a regular occurrence in some communities and learned to be lived with. Road users to be responsible for their own actions regarding driving conditions and circumstances. Council to consider system upgrades, installation of signage, repairs etc.
Persons	Health issues due to stormwater in sewerage system causing sewer overflows, injury or drowning	Medium	Flooding generally poses no greater risk to community than normal function of creeks, drains, rivers etc. Responsible adults are expected to appropriately educate and manage children's exposure and decision making in relation to risks and their own behaviour.

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

5.3 Routine Operations and Maintenance Plan

Operations include regular activities to provide services such as public health, safety and amenity, eg cleansing, street sweeping, grass mowing and street lighting.

Routine maintenance is the regular on-going work that is necessary to keep assets operating, including instances where portions of the asset fail and need immediate repair to make the asset operational again.

5.3.1 Operations and Maintenance Plan

Maintenance includes reactive, planned and cyclic maintenance work activities.

Reactive maintenance is unplanned repair work carried out in response to service requests and management/supervisory directions.

Planned maintenance is repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown experience, prioritising, scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.

Cyclic maintenance is replacement of higher value components/sub-components of assets that is undertaken on a regular cycle including repainting, building roof replacement, etc. This work generally falls below the capital/maintenance threshold.

Actual past maintenance expenditure is shown in Table 5.3.1.

Table 5.3.1: Maintenance Expenditure Trends

Year	Maintenance Expenditure		
	Planned and Specific	Unplanned	
2011/12	\$60,953	Not separated	
2012/13	\$88,620	Not separated	
2013/14	\$109,643	Not separated	
2014/15	\$85,174	Not separated	

Maintenance expenditure levels are considered to be adequate to meet projected service levels, which may be less than or equal to current service levels. Where maintenance expenditure levels are such that will result in a lesser level of service, the service consequences and service risks have been identified and service consequences highlighted in this AM Plan and service risks considered in the Infrastructure Risk Management Plan.

Assessment and prioritisation of reactive maintenance is undertaken by Council staff using experience and judgement.

5.3.2 Operations and Maintenance Strategies

The organisation will operate and maintain assets to provide the defined level of service to approved budgets in the most cost-efficient manner. The operation and maintenance activities include:

- · Scheduling operations activities to deliver the defined level of service in the most efficient manner,
- Undertaking maintenance activities through a planned maintenance system to reduce maintenance costs and
 improve maintenance outcomes. Undertake cost-benefit analysis to determine the most cost-effective split
 between planned and unplanned maintenance activities (50 70% planned desirable as measured by cost),
- Maintain a current infrastructure risk register for assets and present service risks associated with providing services from infrastructure assets and reporting Very High and High risks and residual risks after treatment to management and Council/Board,
- Review current and required skills base and implement workforce training and development to meet required operations and maintenance needs,
- Review asset utilisation to identify underutilised assets and appropriate remedies, and over utilised assets and customer demand management options,
- · Maintain a current hierarchy of critical assets and required operations and maintenance activities,
- Develop and regularly review appropriate emergency response capability,
- Review management of operations and maintenance activities to ensure Council is obtaining best value for resources used.

Critical Assets

Critical assets are those assets which have a high consequence of failure but not necessarily a high likelihood of failure. By identifying critical assets and critical failure modes, organisations can target and refine investigative activities, maintenance plans and capital expenditure plans at the appropriate time.

Operations and maintenances activities may be targeted to mitigate critical assets failure and maintain service levels. These activities may include increased inspection frequency, higher maintenance intervention levels, etc. Critical assets failure modes and required operations and maintenance activities are detailed in Table 5.3.2.1.

Table 5.3.2.1: Critical Assets and Service Level Objectives

Critical Assets	Critical Failure Mode	Operations & Maintenance Activities
Mains	Not yet identified	
Pits	Not yet identified	

Standards and specifications

Maintenance work is carried out in accordance with the following Standards and Specifications.

- Municipal Standards
- Municipal Specifications
- · Subdivison guidelines
- Plumbing Codes (AS 3500 etc.)
- IPWEA Municipal Standards and Specification

5.3.3 Summary of future operations and maintenance expenditures

Future operations and maintenance expenditure is forecast to trend in line with the value of the asset stock as shown in Figure 4. Note that all costs are shown in current 2015 dollar values (ie real values).

Figure 4: Projected Operations and Maintenance Expenditure





Deferred maintenance, ie works that are identified for maintenance and unable to be funded are to be included in the risk assessment and analysis in the infrastructure risk management plan.

Maintenance is funded from the operating budget where available. This is further discussed in Section 6.2.

5.4 Renewal/Replacement Plan

Renewal and replacement expenditure is major work which does not increase the asset's design capacity but restores, rehabilitates, replaces or renews an existing asset to its original or lesser required service potential. Work over and above restoring an asset to original service potential is upgrade/expansion or new works expenditure.

5.4.1 Renewal plan

Assets requiring renewal/replacement are identified from one of three methods provided in the 'Expenditure Template'.

- Method 1 uses Asset Register data to project the renewal costs using acquisition year and useful life to determine the renewal year, or
- Method 2 uses capital renewal expenditure projections from external condition modelling systems (such as Pavement Management Systems), or
- Method 3 uses a combination of average network renewals plus defect repairs in the Renewal Plan and Defect Repair Plan worksheets on the 'Expenditure template'.

Method 1 was used for this asset management plan.

The useful lives of assets used to develop projected asset renewal expenditures are shown in Table 5.4.1. Asset useful lives were last reviewed on 1 July 2013.9

Table 5.4.1: Useful Lives of Assets

100 Years
80 Years

5.4.2 Renewal and Replacement Strategies

The organisation will plan capital renewal and replacement projects to meet level of service objectives and minimise infrastructure service risks by:

- · Planning and scheduling renewal projects to deliver the defined level of service in the most efficient manner,
- Undertaking project scoping for all capital renewal and replacement projects to identify:
 - o the service delivery 'deficiency', present risk and optimum time for renewal/replacement,
 - o the project objectives to rectify the deficiency,
 - the range of options, estimated capital and life cycle costs for each options that could address the service deficiency,
 - o and evaluate the options against evaluation criteria adopted by the organisation, and
 - select the best option to be included in capital renewal programs,
- · Using 'low cost' renewal methods (cost of renewal is less than replacement) wherever possible,
- Maintain a current infrastructure risk register for assets and service risks associated with providing services from infrastructure assets and reporting Very High and High risks and residual risks after treatment to management and Council/Board,
- Review current and required skills base and implement workforce training and development to meet required construction and renewal needs,
- Maintain a current hierarchy of critical assets and capital renewal treatments and timings required,
- Review management of capital renewal and replacement activities to ensure Council is obtaining best value for resources used.

Renewal ranking criteria

Asset renewal and replacement is typically undertaken to either:

- Ensure the reliability of the existing infrastructure to deliver the service it was constructed to facilitate (eg replacing a bridge that has a 5 t load limit), or
- To ensure the infrastructure is of sufficient quality to meet the service requirements (eg roughness of a road).¹⁰

It is possible to get some indication of capital renewal and replacement priorities by identifying assets or asset groups that:

- · Have a high consequence of failure,
- Have a high utilisation and subsequent impact on users would be greatest,
- The total value represents the greatest net value to the organisation,
- Have the highest average age relative to their expected lives,
- · Are identified in the AM Plan as key cost factors,
- · Have high operational or maintenance costs, and
- Where replacement with modern equivalent assets would yield material savings.¹¹

The ranking criteria used to determine priority of identified renewal and replacement proposals is detailed in Table 5.4.2.

Table 5.4.2: Renewal and Replacement Priority Ranking Criteria

Criteria		Ranking
Risk/Safety Risk priority is assessed in accordance with Council's Infrastructure Risk Management process which is based on probability and consequence of failure	25%	0 - 4
Technical Technical priority is assessed based on the project's ability to improve stormwater drainage capacity	20%	0-5
Corporate Corporate priority is linked to whether the projects are commitments through a Council resolution or included in Council policy and strategic plan.	20%	0-3
Social Community Impact Priority based on amount of community benefit through project completion	15%	0 - 3
Environment Environmental Impact is assessed based on the significants of the surrounding environment.	20%	0-3
Total	100%	

Renewal will be undertaken using 'low-cost' renewal methods where practical. The aim of 'low-cost' renewals is to restore the service potential or future economic benefits of the asset by renewing the assets at a cost less than replacement cost.

Examples of low cost renewal include directional drilling, which avoids the additional costs associated with excavation in sensitive areas such as roads or private properties.

Renewal and replacement standards

Renewal work is carried out in accordance with the following Standards and Specifications.

- Sewers and Drains act 1954
- Local Government Highways Act
- Northern Midlands Council Standard Drawings
- State Growth standards and specifications
- Traffic Control AS1742.3 Manual of uniform Traffic Control Devices. Part 3 Traffic Control Devices for Works on Roads

5.4.3 Summary of future renewal and replacement expenditure

¹⁰ IPWEA, 2011, IIMM, Sec 3.4.4, p 3 | 60.

¹¹ Based on IPWEA, 2011, IIMM, Sec 3.4.5, p 3 66.

Projected future renewal and replacement expenditures are forecast to increase over time as the asset stock increases from growth. The expenditure is summarised in Fig 5. Note that all amounts are shown in real values.

The projected capital renewal and replacement program is shown in Appendix B.

Fig 5: Projected Capital Renewal and Replacement Expenditure

Northern Midlands - Projected Capital Renewal Expenditure (Stormwater_S1_V1)

Deferred renewal and replacement, ie those assets identified for renewal and/or replacement and not scheduled in capital works programs are to be included in the risk analysis process in the risk management plan.

Renewals and replacement expenditure in the organisation's capital works program will be accommodated in the long term financial plan. This is further discussed in Section 6.2.

5.5 Creation/Acquisition/Upgrade Plan

New works are those works that create a new asset that did not previously exist, or works which upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost to the organisation from land development. These assets from growth are considered in Section 4.4.

5.5.1 Selection criteria

New assets and upgrade/expansion of existing assets are identified from various sources such as councillor/director or community requests, proposals identified by strategic plans or partnerships with other organisations. Candidate proposals are inspected to verify need and to develop a preliminary renewal estimate. Verified proposals are ranked by priority and available funds and scheduled in future works programmes. The priority ranking criteria is detailed Table 5.4.2.

5.5.2 Capital Investment Strategies

The organisation will plan capital upgrade and new projects to meet level of service objectives by:

- Planning and scheduling capital upgrade and new projects to deliver the defined level of service in the most efficient manner,
- Undertake project scoping for all capital upgrade/new projects to identify:
 - the service delivery 'deficiency', present risk and required timeline for delivery of the upgrade/new