



LANGEBERG

LOCAL MUNICIPALITY

Road Asset Management Plan

Version 1.1

April 2019

DRAFT



Preamble

This Plan is prepared as a live document to record the development of the road asset register and related information.

The intention is to keep it continually updated and to reflect the status of the road assets as the records and conditions of these assets are improved over time.

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1. EXECUTIVE SUMMARY

The purpose of the document is to assist the LM to develop and implement a Road Asset Management Plan to maintain its road assets in a reasonably optimal manner.

The Plan has been prepared using the results of the DM-wide road inventory update and inspections to obtain an initial indication of the budget and programme required to maintain the LM road networks.

It has been prepared with due consideration of:

- (i) The extent, condition and usage of the road network.
- (ii) Road User Requirements in terms of road roughness, condition and functional class of the roads.
- (iii) Existing Practices in the LMs
- (iv) Current contract prices
- (v) Estimates of long-term road needs
- (vi) First draft Budget Prognoses which envisages long term consistent budgets.

1.2 Road Inventory

In summary, the Municipality contains 238 km of roads and an additional 17 km of roads which are 80-20 subsidised by the Province.

Around 39 km of the roads are unpaved roads while most of the paved roads have bituminous, flexible pavement surfacing. Only 1 km of the roads have block pavements.

Around 80% of the roads are Class 5 Access roads with the balance being Class 4 Collectors with a few Class 2 and Class 3 roads in the 80-20 Provincial subsidy category.

The inventory includes roads in 5 separate towns each with significantly different needs which requires dispersed management attention.

1.3 Road Conditions

Road conditions vary across the towns in the LMs while 80% of the bituminous road surfacing need urgent attention to prevent moisture ingress and extend the life of the underlying pavements.

Rehabilitation backlogs are moderate with less than 15% of the pavements in a very poor condition.

1.4 Issues and Risks

The major issues and risks identified at this stage are:

- *The total road maintenance need estimated from asset values is around R20 million per year while budgets are significantly lower than this.*
- *Many of the road surfacing's are old and dry and rejuvenation and resealing projects to the value of R35 million have been identified while the periodic maintenance need is around R14 million per year. If the above maintenance budget is made available all the resurfacing projects can be attended to in 3 years to avoid the roads deteriorating to the point where road conditions become a danger to road users and the costs associated with reconstruction, instead of surface maintenance, will have to be borne.*

- *Rehabilitation and reconstruction projects totalling R42 million have been identified. This reflects the generally fair condition of the road pavements and the cost of this work could possibly be reduced through patching and resurfacing.*
- *The risk of giving too much attention to the roads in very poor condition to the detriment of maintaining surfacing's on roads in a fair condition and resulting in a poor allocation of resources is not very high.*
- *There are 39 km of unpaved roads and the roads that require paving over the next 10 years need to be identified and attended to without compromising maintenance of existing paved roads.*

1.5 Road Asset Management System

The District wide RRAMS system has been implemented to assist in managing the road network. This system will be improved using the information and systems supplied as part of this DM initiative. The Municipality also has its own active Pavement Management System.

1.6 Policy

The Municipality is in the process of developing a Road Asset Management Policy.

1.7 Objectives

The objectives of this Plan are

- *to try and extend the lives of the paved roads to minimise the rehabilitation need*
- *to rehabilitate roads where required*
- *to ensure road standards are commensurate with the functional class of the road.*

1.8 Road Maintenance Operations

Current road maintenance operations are identifying problems and repairing them as appropriate and budgets are near-adequate to retain and improve road conditions.

1.9 Road Upgrading

Upgrading of gravel roads to paved is required that can proceed over time in a prioritised manner once the deterioration of paved roads has been arrested. Where available, MIG funding is used to upgrade roads.

1.10 Resourcing

The LM has reasonable institutional resources and budgets for road maintenance but the needs exceed current budgets.

1.11 Continuous Improvement

The outputs of the RAMS as well as the current maintenance practices can be continuously evaluated by the LM to ensure value for money and cost-effectiveness.

2. INTRODUCTION

This report documents the status of the road networks within the Langeberg Municipality and sets out the annual road needs as well as a prioritised list of roads requiring maintenance.

2.1 Definitions and Abbreviations

AFS - Annual Financial Statements

CRC - Current Replacement Cost

DRC - Depreciated Replacement Cost

GIS - Geographic Information Systems

Component Type Codes are contained in the Table in Appendix A.

2.2 Current RAMS Status

- (i) The existing GIS and inventory accurately depict the local roads in the District.
- (ii) The inventory has been confirmed and minor adjustments made to the extent of the road network as well as road widths and road types.
- (iii) The roads in the Municipality have been inspected in accordance with the new draft TMH9 guidelines.
- (iv) The road inventory, GIS and inspection results has been uploaded into a PostGIS opensource database that will be made available to the DM and can be copied to the LM.
- (v) The road assets have been unbundled into components as follows:
 - ❖ Paved roads Flexible surfacing, pavement, formation
 - ❖ Paved roads – Block pavement and formation
 - ❖ Paved roads – concrete pavement and formation
 - ❖ Unpaved roads formation
- (vi) The roads have been classified into Distributors (Class3), Collectors (Class 4) and access streets (Class 5)
- (vii) Some traffic count stations have been identified on collector roads and 12-hour traffic counts will be carried out.

3. ROAD INVENTORY

3.1 Road Hierarchy

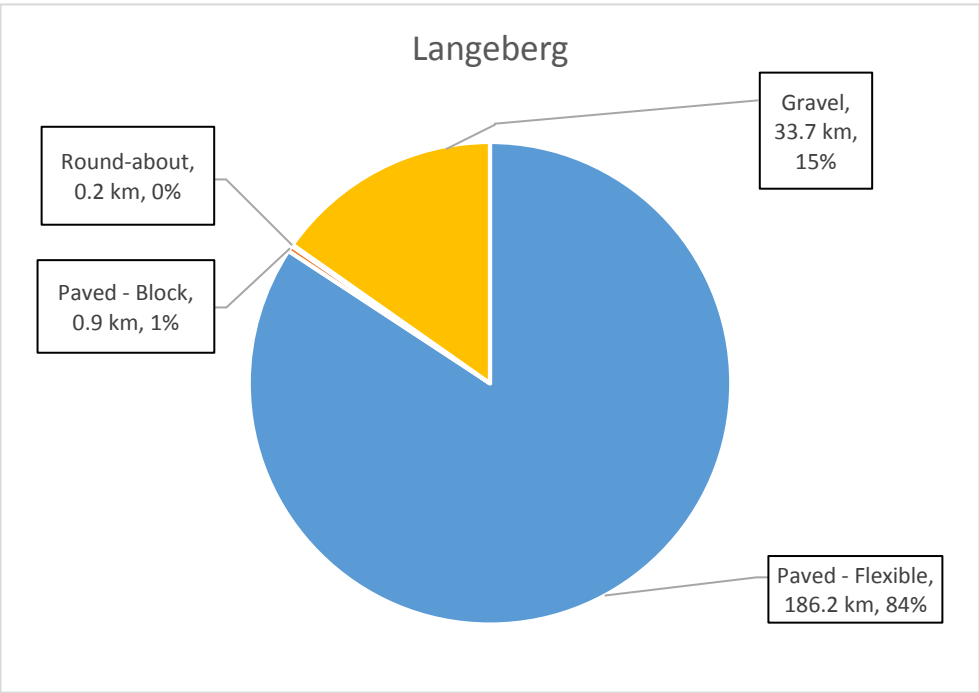
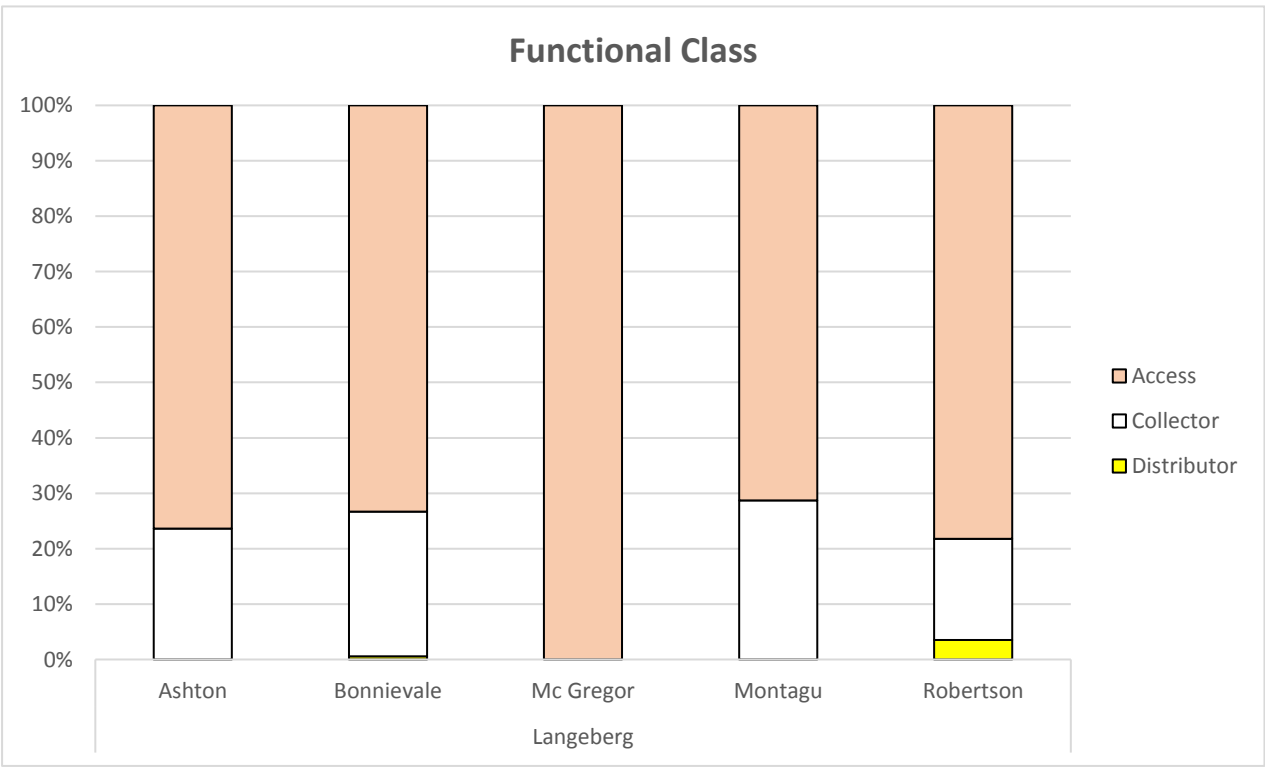
This is summarised in the tables and figures below

Table 3-1: Road Class

Municipality/Town	Functional Class				Grand Total
	Arterial	Distributor	Collector	Access	
Langeberg	0.0	3.3	51.0	184.4	238.8
Ashton	0.0	0.0	10.2	33.1	43.3
Bonnievale	0.0	0.2	8.8	24.8	33.8
Mc Gregor	0.0	0.0	0.0	17.8	17.8
Montagu	0.0	0.0	15.7	38.9	54.5
Robertson	0.0	3.1	16.3	69.9	89.3

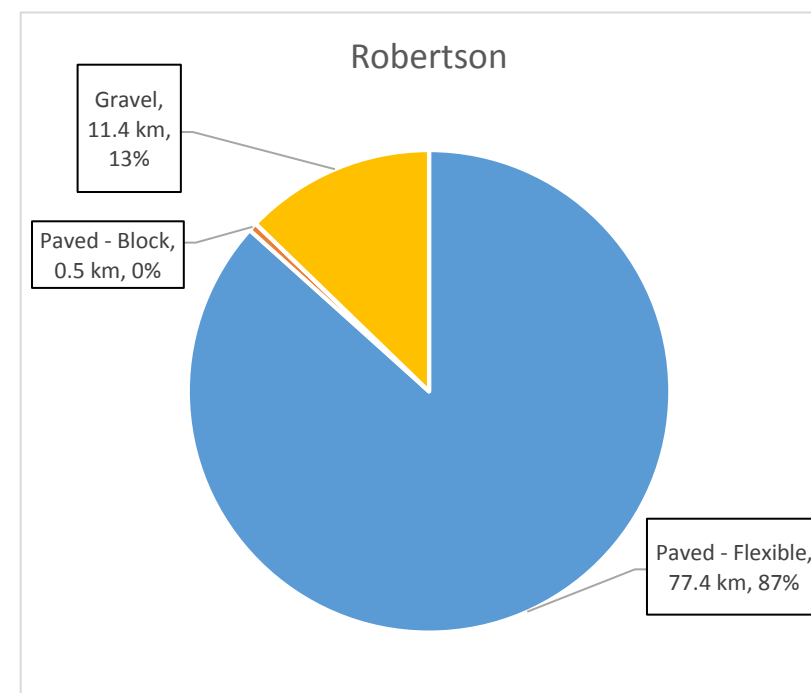
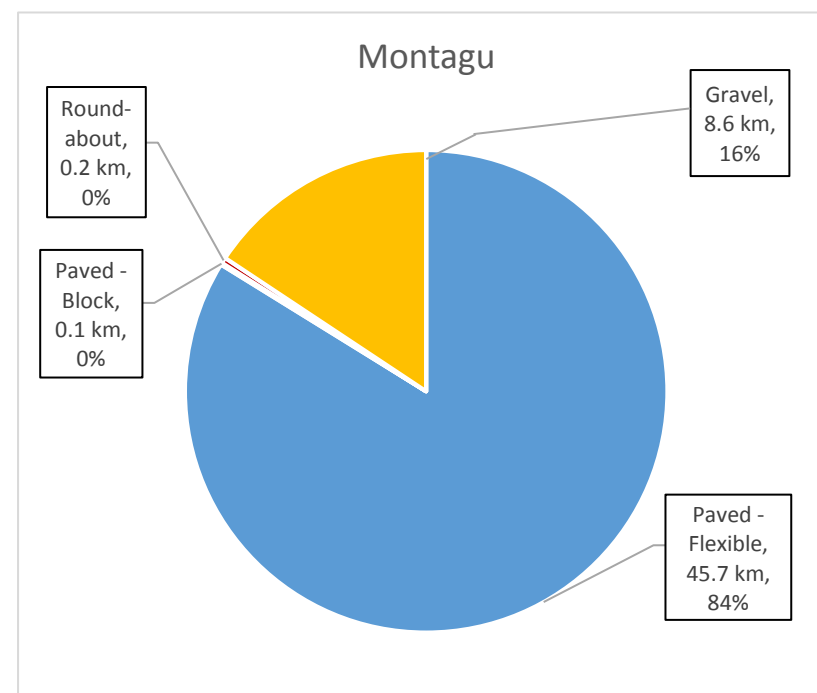
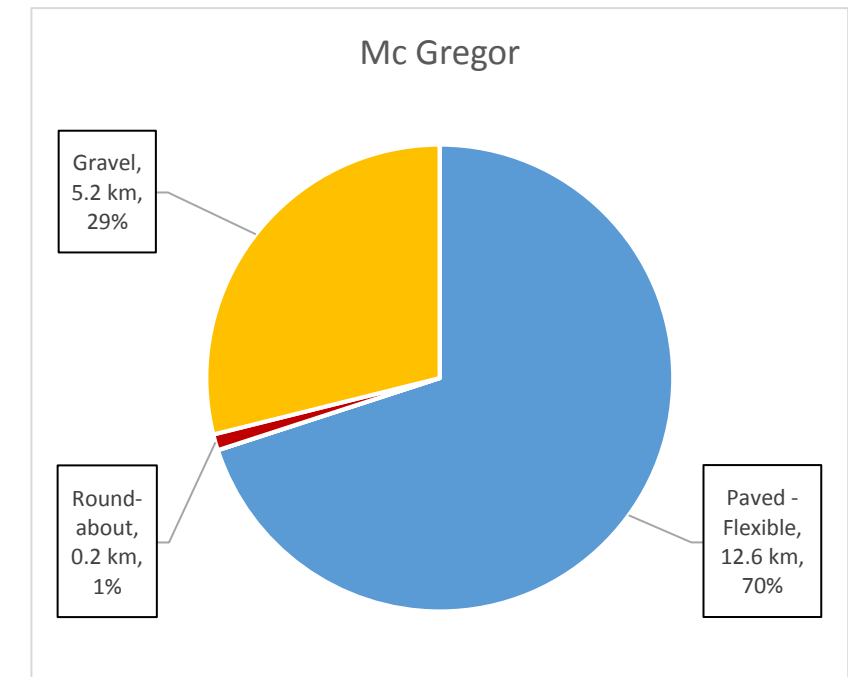
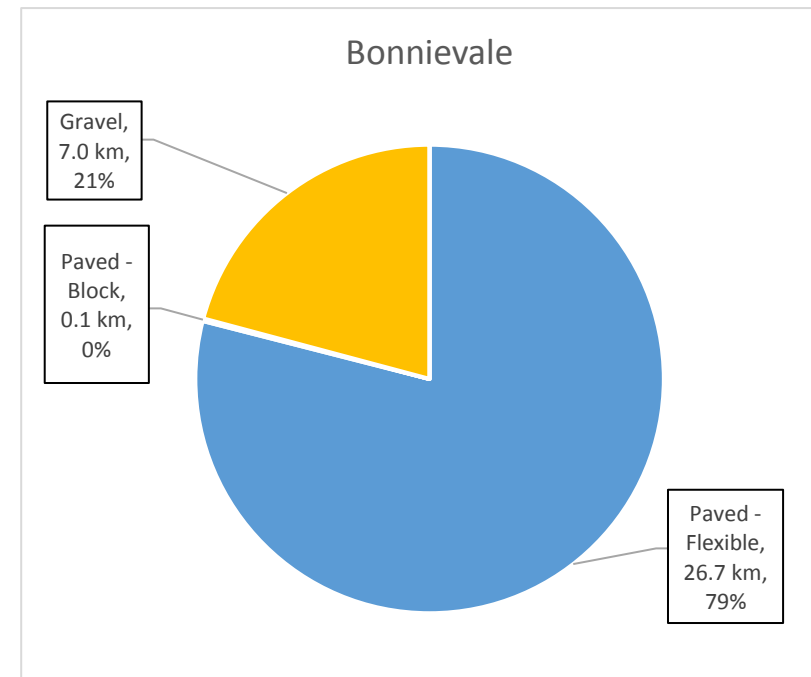
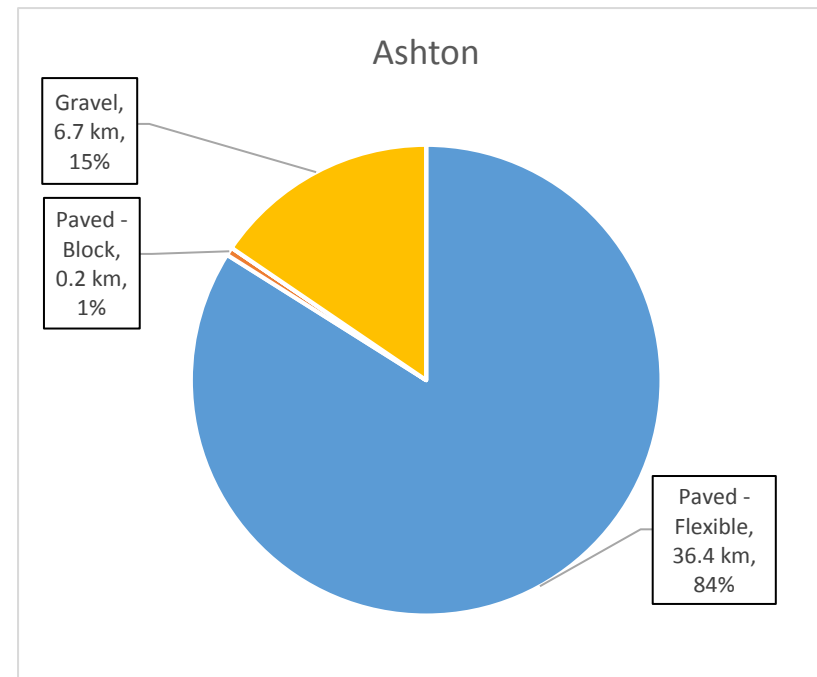
Table 3-2: Road Type

Municipality/Town	Road Type							Grand Total
	Dual c/way	Paved - Flexible	Paved - Block	Paved - Concrete	Round-about	Gravel	Earth	
Langeberg	0.0	198.8	0.9	0.0	0.2	38.9	0.0	238.8
Ashton	0.0	36.4	0.2	0.0	0.0	6.7	0.0	43.3
Bonnievale	0.0	26.7	0.1	0.0	0.0	7.0	0.0	33.8
Mc Gregor	0.0	12.6	0.0	0.0	0.2	5.2	0.0	17.8
Montagu	0.0	45.7	0.1	0.0	0.2	8.6	0.0	54.5
Robertson	0.0	77.4	0.5	0.0	0.0	11.4	0.0	89.3



Refer to **APPENDIX A** for Inventory Maps and **APPENDIX B** for Road Classification Maps.

There are roughly 17 km of 80-20 provincial subsidy roads in the LM.



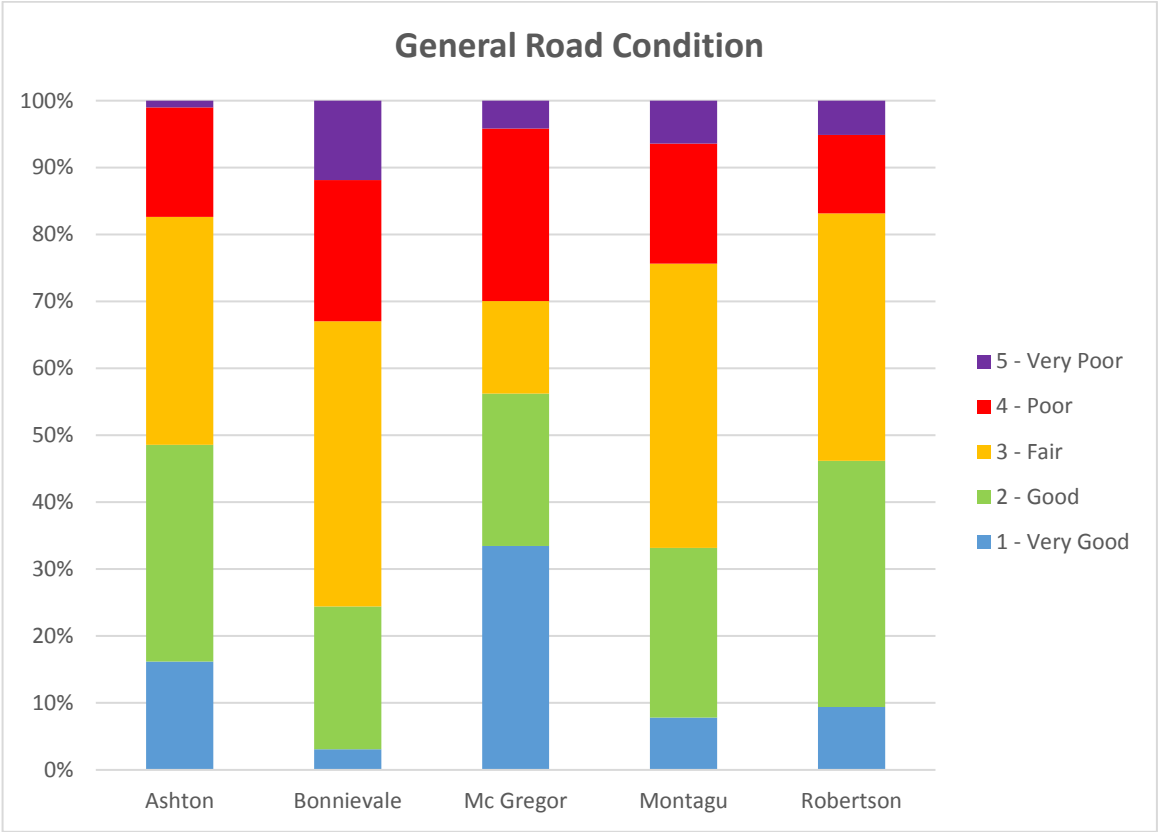
4. ROAD CONDITIONS

4.1 General Conditions

Road conditions are described broadly in terms of the visual condition index (VCI) of the road. This index represents a weighted average of the condition based on all defects.

Town	General Road Condition					Grand Total
	1 - Very Good	2 - Good	3 - Fair	4 - Poor	5 - Very Poor	
Ashton	7.0	14.0	14.8	7.1	0.4	43.3
Bonnievale	1.0	7.2	14.4	7.1	4.0	33.8
Mc Gregor	6.0	4.1	2.5	4.6	0.7	17.8
Montagu	4.3	13.8	23.2	9.8	3.5	54.5
Robertson	8.4	32.9	33.0	10.5	4.6	89.3
Grand Total	26.7	72.0	87.8	39.1	13.2	238.8

This is shown graphically in the figure below to show proportions:



In general, around 52 km (21%) of the roads in the Langeberg LM are in a poor or very poor condition.

The General Condition Index (VCI) can be viewed in **APPENDIX C**.

4.2 Component Conditions

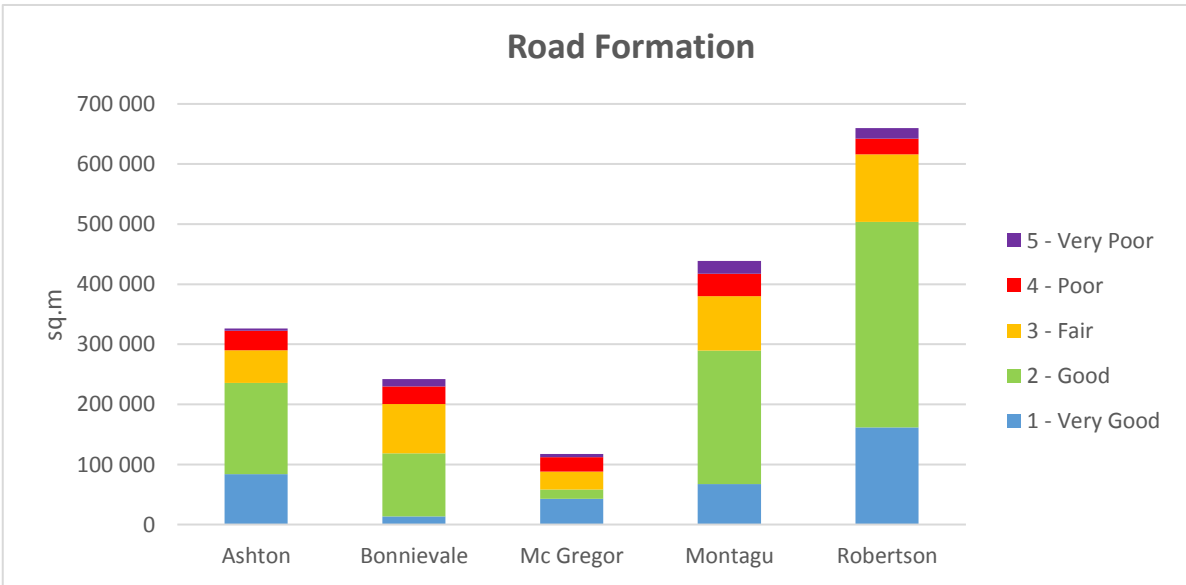
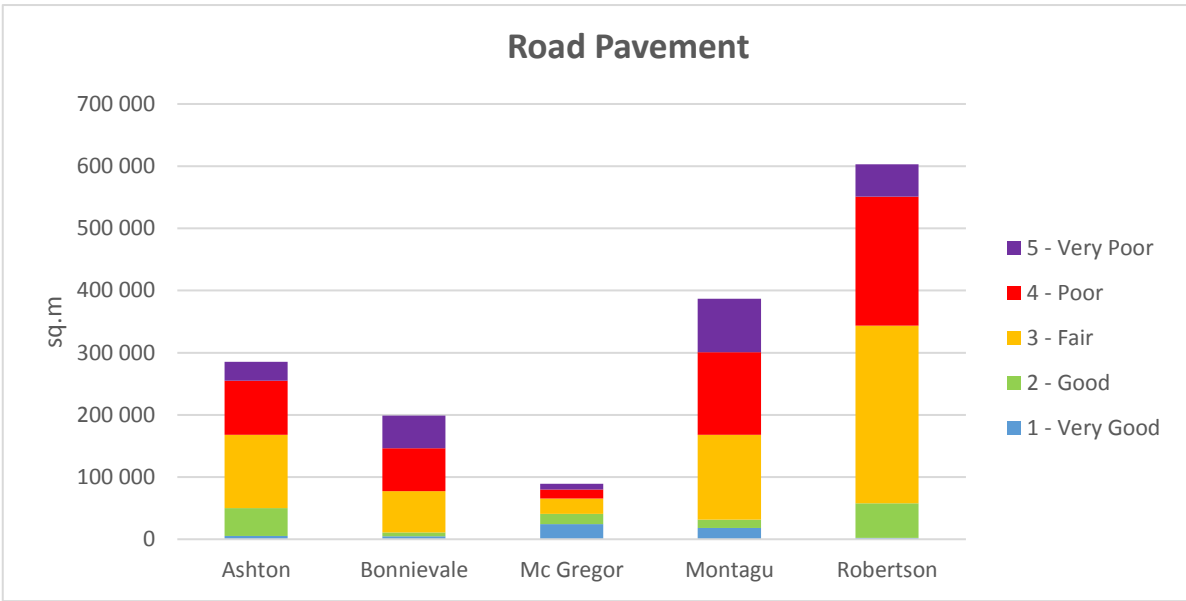
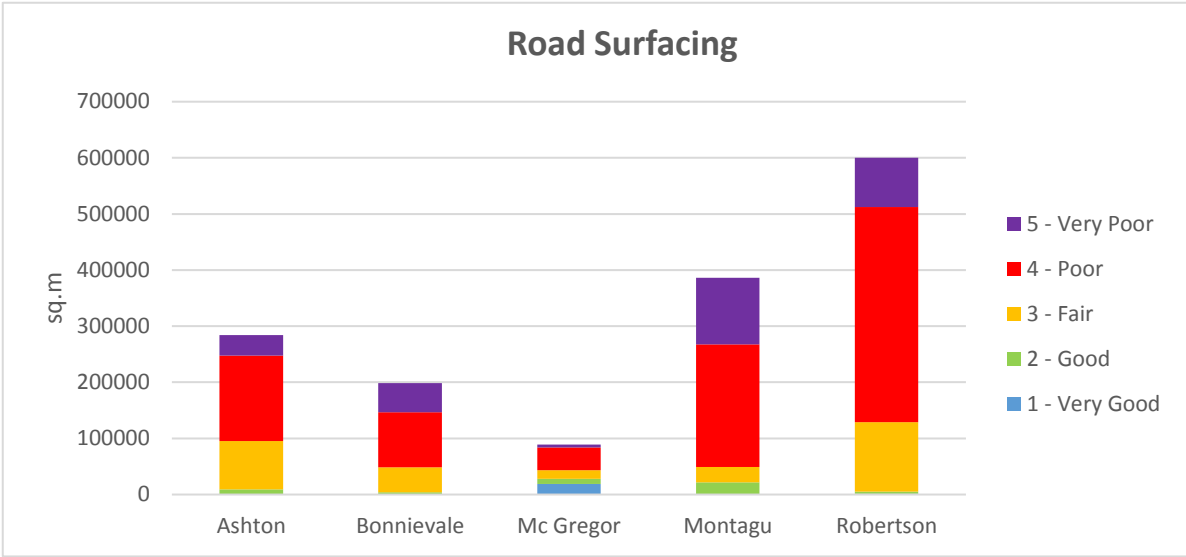
The distributions (per sqm) of Surfacing (SCI), Pavement (PCI) and Formation (FCI) Condition indices respectively are shown for the 5 towns in the tables and graphs below. The difference between these indices and the General Condition Rating (VCI) for paved flexible roads is discussed in APPENDIX C.

The generally poor surfacing condition occur throughout the LM.

Town	Surfacing Condition (sqm)					Total
	1 - Very Good	2 - Good	3 - Fair	4 - Poor	5 - Very Poor	
Ashton	0	8 935	86 445	152 239	36 386	284 005
Bonnievale	0	4 248	44 363	98 217	51 783	198 611
Mc Gregor	19 126	8 804	15 573	40 592	4 972	89 068
Montagu	0	21 817	27 131	218 909	118 378	386 236
Robertson	979	4 311	123 940	382 928	87 924	600 082
Grand Total	20 105	48 115	297 452	892 885	299 444	1 558 001

Town	Pavement Condition (sqm)					Total
	1 - Very Good	2 - Good	3 - Fair	4 - Poor	5 - Very Poor	
Ashton	5 232	44 837	118 056	86 974	30 460	285 559
Bonnievale	4 575	6 262	66 393	68 887	52 822	198 938
Mc Gregor	24 285	16 779	24 673	14 150	9 180	89 068
Montagu	18 068	13 567	136 450	132 941	85 794	386 820
Robertson	2 398	55 197	285 866	207 637	52 025	603 123
Grand Total	54 558	136 642	631 438	510 589	230 281	1 563 508

Town	Formation Condition (sqm)					Total
	1 - Very Good	2 - Good	3 - Fair	4 - Poor	5 - Very Poor	
Ashton	83 956	151 882	54 336	32 441	3 555	326 170
Bonnievale	13 285	105 052	82 223	29 530	12 019	242 109
Mc Gregor	42 664	15 563	29 623	24 170	5 598	117 618
Montagu	67 089	222 541	90 594	37 262	21 419	438 905
Robertson	161 767	342 101	112 157	25 951	17 910	659 885
Grand Total	368 762	837 138	368 932	149 354	60 501	1 784 687



4.3 Modes of Failure

The mode of failure of most of the flexible pavements involves surface ageing and cracking with associated moisture ingress, followed by deformation and potholing.

Most of the distress appears to be associated with water ingress through old surfacing's which can be arrested through surface rejuvenation and resealing. In some places the distress is more substantial and major patching or rehabilitation is required.



Figure 4-1: Cracking and Patching - Robertson



Figure 4-2: Pavement Failures - Montagu



Figure 4-3: Widened Street - Montagu



Figure 4-4: Inadequate Paving - Bonnievale

5. ASSET VALUES

Using straight line depreciation, based on the deduct-value condition indices, provides an indication of current replacement cost (CRC), depreciated replacement cost (DRC) and remaining life (DRC/CRC) as follows:

Table 5-1: Surfacing Remaining Life Percentage

Town	Sum of area	Sum of crc	Sum of drc	Ratio DRC/CRC
Ashton	260 673	R 23 212 582	R 9 823 718	42%
Bonnievale	183 695	R 14 641 551	R 5 689 984	39%
Mc Gregor	75 370	R 5 857 208	R 3 616 474	62%
Montagu	351 256	R 32 122 722	R 11 065 245	34%
Robertson	565 805	R 54 108 595	R 22 372 326	41%
Total	1 436 799	R 129 942 658	R 52 567 747	40%

Table 5-2: Pavement Remaining Life Percentage

Town	Sum of area	Sum of crc	Sum of drc	Ratio DRC/CRC
Ashton	262 226	R 56 106 389	R 29 041 854	52%
Bonnievale	184 022	R 39 370 750	R 16 573 364	42%
Mc Gregor	75 370	R 16 124 756	R 10 298 612	64%
Montagu	351 841	R 75 274 965	R 33 581 772	45%
Robertson	568 847	R 121 710 123	R 62 735 242	52%
Total	1 442 306	R 308 586 983	R 152 230 844	49%

Table 5-3: Formation Remaining Life Percentage

Town	Sum of area	Sum of crc	Sum of drc	Ratio DRC/CRC
Ashton	302 838	R 62 396 107	R 44 450 803	71%
Bonnievale	227 192	R 47 372 755	R 30 196 586	64%
Mc Gregor	103 921	R 22 058 770	R 14 533 426	66%
Montagu	403 926	R 83 131 874	R 56 930 305	68%
Robertson	625 609	R 127 697 699	R 94 033 839	74%
Total	1 663 485	R 342 657 205	R 240 144 959	70%

The surfacing's generally have remaining lives of 40% and need attention.

The pavement remaining lives are generally around 50% and if the surfacing's are resurfaced or rejuvenated these will improve significantly. The formations generally have adequate remaining lives.

Figure 5-1: Percentage Remaining Life for Each Component

The overall percentage remaining life for the roads in the LM are shown in the table below

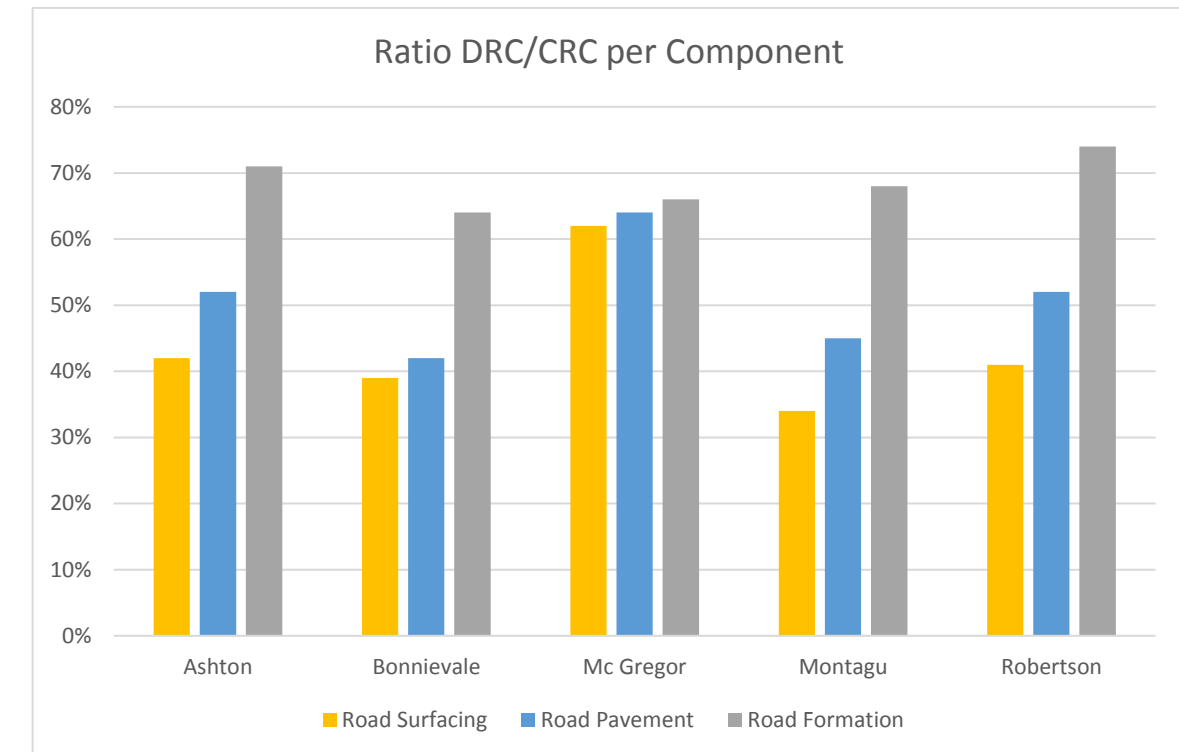


Table 5-4: Overall Road Replacement Cost and Remaining life.

Town	Sum of area	Sum of crc	Sum of drc	Ratio DRC/CRC
Ashton	825 737	R 141 715 078	R 83 316 376	59%
Bonnievale	594 908	R 101 385 056	R 52 459 935	52%
Mc Gregor	254 662	R 44 040 733	R 28 448 511	65%
Montagu	1 107 023	R 190 529 561	R 101 577 322	53%
Robertson	1 760 260	R 303 516 418	R 179 141 407	59%
Total	2 782 330	R 477 670 429	R 265 802 143	56%

The total asset replacement cost of roads in the LM is some R780 million. At an asset maintenance tempo of 2.5% per year the road maintenance budgets should be of the order of R20 million per year.

6. ROAD NEEDS

6.1 Periodic Maintenance Need

If paved roads with bituminous surfacing needs to be resurfaced every 10 years gives a resurfacing need of around 144 000 sq.m per year and at an average cost of R100/sq.m this amounts to some R14.4 million per year. This can be compared to the 1 136 000 sq.m (80%) of surfacing currently in a poor or very poor condition.

Town	Surface Area (sqm)	Resurfacing Need (R Millions) at R10/sqm/year
Ashton	260 673	R 2.61
Bonnievale	183 695	R 1.84
Mc Gregor	75 370	R 0.75
Montagu	351 256	R 3.51
Robertson	565 805	R 5.66
Grand Total	1 436 799	R 14.37

The difference between the “Need Area” of 144 000 sq.m and the area of 1 136 000 sq.m in a poor and very poor condition (based on SCI) represents the backlog in respect of re-surfacing. This amounts to some 1 000 000 sq.m or 70% of the total road surface area in the LM. This backlog amount for resurfacing these streets would be around R100 million which far exceeds the needs based on asset value.

Municipality	Surface Area in Poor Condition			Need Area	Ratio
	4 - Poor	5 - Very Poor	Grand Total		
Ashton	152 239	36 386	188 625	26 067	7.2
Bonnievale	92 667	48 783	141 450	18 369	7.7
Mc Gregor	38 661	2 938	41 600	7 537	5.5
Montagu	197 798	118 378	316 176	35 126	9.0
Robertson	360 750	87 924	448 674	56 580	7.9
Grand Total	842 115	294 410	1 136 525	143 680	7.9

6.2 Rehabilitation Backlog

The paved roads in a very poor condition (220 000 sqm) can be regarded as a rehabilitation backlog need.

Municipality	Pavement Area in Very Poor Condition	Backlog Rehab Rate (R/sqm)	Rehab Need (R Millions)	Ratio to Resurfacing Need
Ashton	30 460	R 300	R 9.14	3.5
Bonnievale	49 821	R 300	R 14.95	8.1
Mc Gregor	7 886	R 300	R 2.37	3.1
Montagu	79 897	R 300	R 23.97	6.8
Robertson	52 025	R 300	R 15.61	2.8
Grand Total	220 088	R 300	R 66.03	4.6

Assuming a unit rate of R300/sqm this gives a rehabilitation backlog of some R66 million.

6.3 Gravel Road Upgrading Need

A set of unpaved roads needs to be identified from the 39 km of unpaved roads in the Municipality and a programme developed to upgrade these roads where required.

Municipality	Unpaved Road Length			Annual km to be Upgraded (assuming all paved over 10 years)	Upgrade Unit Rate (R millions /km)	Upgrade Amount
	Gravel	Earth	Grand Total			
Ashton	6.7	0.0	6.7	0.7	R 4	R 2.7
Bonnievale	7.0	0.0	7.0	0.7	R 4	R 2.8
Mc Gregor	5.2	0.0	5.2	0.5	R 4	R 2.1
Montagu	8.6	0.0	8.6	0.9	R 4	R 3.4
Robertson	11.4	0.0	11.4	1.1	R 4	R 4.6
Grand Total	38.9	0.0	38.9	3.9	R 4	R 15.6

6.4 Road Maintenance Strategy

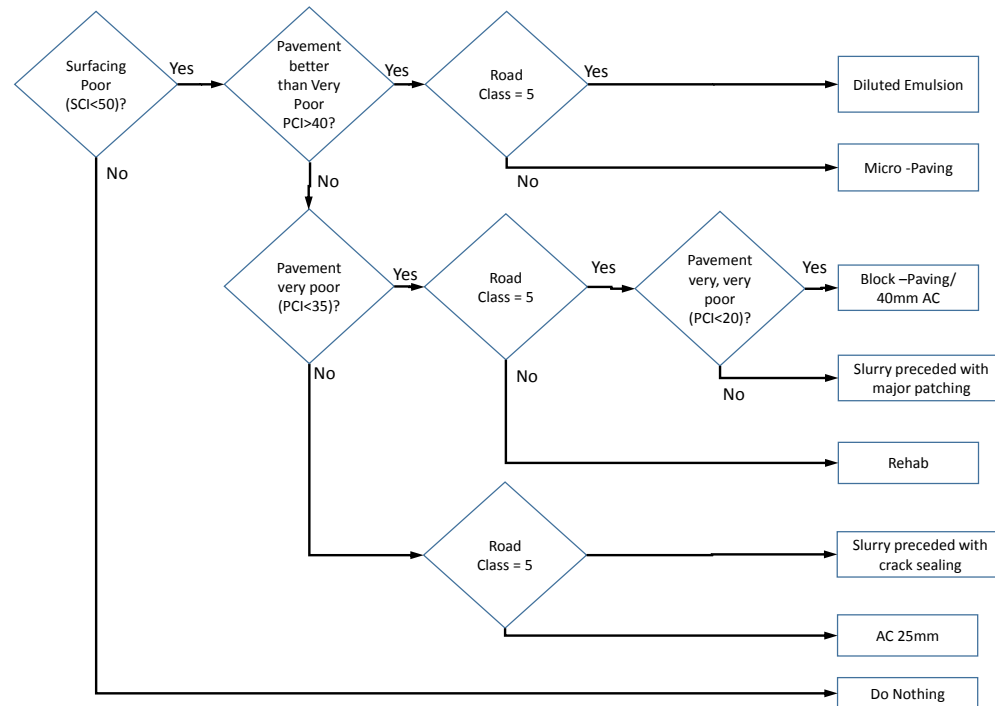
As the current rehabilitation requirements (R66 million) exceed the annual maintenance need (R20 million based on asset value) considerably a strategy will have to be adopted to delay expensive repairs for as long as possible. Therefore, it is suggested that rejuvenation of the roads be tackled as soon as possible to extend the lives of the surfacing. This can be followed with repairs and resurfacing of the poorer areas and finally major patching and rehabilitation where required.

This is discussed in more detail below.

7. ROAD MAINTENANCE PROGRAMMES

7.1 Treatment Algorithm

The following road maintenance algorithm has been prepared for the roads in the LM.



The strategy shows that the primary determinant in selecting roads to be maintained is the condition of the surfacing. In this way only roads that are urgently in need of attention will be included on the programme. The approach is also to treat all class 5 access roads with dry and old surfacing with a diluted emulsion at this stage to rejuvenate the surfacing and to monitor the results and assess the effectiveness of the treatment. It is expected that this approach will work well on these streets and the treatment could be repeated in 2 to 3 years' time, if required. When budgets are more consistent a reseal or micro-surfacing can be applied to these streets when required.

If the road is a class 4 collector, it will have greater traffic volumes and micro-paving will be used as a low-cost resurfacing treatment.

Where the road's pavement is also in a very poor condition, and if it is an access road, it will be replaced with block paving or repaired and re-surfaced using a slurry. Then a longer lasting reseal can be applied later, assuming budget consistency is a part of the future road maintenance planning scenario.

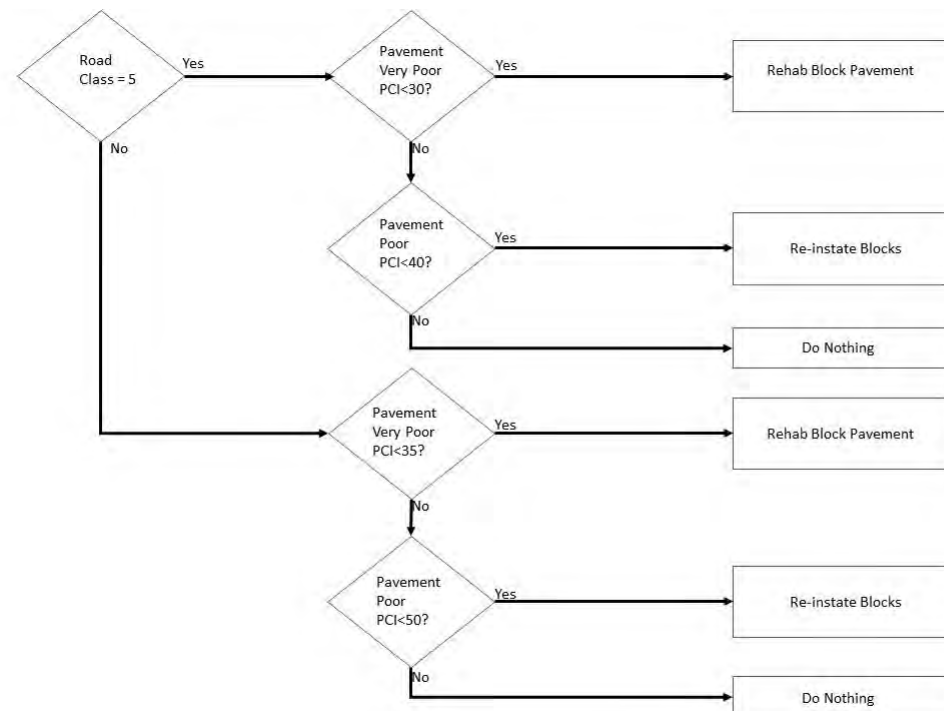
Block pavement rehabilitation involves total rehabilitation where conditions are very poor or block re-instatement where deformation is more isolated.

In addition to the treatment algorithm, a priority is assigned to each treatment based on the class of each road and a related minimum condition for that class as well as the degree to which the current condition falls below this minimum condition.

It is well known in practice that the highest priority of any pavement treatment programme should always be assigned to resurfacings to retard deterioration and to avoid a "worst-first" strategy.

Proposed treatment lists have been prepared for each municipality reflecting this approach.

And for block pavements:



7.2 Treatments Rates

The unit rates used in the analysis are as follows:

Table 7-1: Treatment Unit Rates

id	code	description	All in rate R/sqm
1	DE1	Diluted emulsion	15
2	DE2	Diluted emulsion, minor patching and crack seal	20
3	DE3	Diluted emulsion and major patching	30
4	DE4	Diluted emulsion and medium slurry over 30%	35
5	SL1	Slurry Seal	30
6	SL2	Slurry seal preceded with DE and crack sealing	40
7	SL3	Slurry seal preceded with DE and patching	50
8	STC1	Cape Seal - 13mm	50
9	STC2	Cape Seal - 19mm	70
10	MP15	Micro Paving 15mm	70
11	STM	Single seal modified binder	50
12	AC25	Asphalt 25m	100
13	AC40	Asphalt 40mm	125
14	REH	Rehabilitation	300
15	REC	Reconstruction	400
16	BL	Replace with Block Paving	270
17	NONE	No Treatment	0
18	BLR	Block Reinstatement	70
19	REH-BL	Rehab Block Pavement	200

7.3 Results

The results of the application of this strategy are as follows:

Municipality/Town	Proposed Treatment Type and Cost (R1000s)									Total
	Diluted Emulsion and Crack Seal	Micro-paving 15mm	Slurry preceded with DE and crack sealing	Slurry preceded with DE and patching	25mm Asphalt Overlay	Rehab-ilitation	New Block Pavement	Block Pavement Re-instatement	Block Pavement Rehab	
Langeberg	R 10 469	R 11 089	R 3 881	R 7 400	R 3 299	R 32 727	R 10 377	R 0	R 0	R 79 243
Ashton	R 1 967	R 2 023	R 512	R 1 384	R 622	R 2 789	R 1 029	R 0	R 0	R 10 326
Bonnievale	R 825	R 1 242	R 489	R 1 370	R 605	R 3 476	R 4 344	R 0	R 0	R 12 351
Mc Gregor	R 436	R 0	R 222	R 390	R 0	R 0	R 1 148	R 0	R 0	R 2 196
Montagu	R 2 456	R 2 835	R 1 099	R 2 650	R 700	R 14 238	R 3 078	R 0	R 0	R 27 056
Robertson	R 4 785	R 4 990	R 1 559	R 1 606	R 1 372	R 12 224	R 778	R 0	R 0	R 27 315

The quantum identified for road surfacing rejuvenation, reseals and overlays is some R35 million.

Should the budget of R20 million be allocated based on 2.5% of asset replacement value and an amount of some R16 million be allocated to periodic surfacing maintenance (rejuvenation and resealing) all these treatments can be achieved over 3 years.

Diluted emulsion treatment should receive a high priority to waterproof the old surfacing and buy time to implement longer lasting treatments. During this time pavement deterioration should be monitored to ascertain whether resurfacing could be used to extend the life of the road instead of rehabilitation or replacing the road with block pavement.

The list of roads and their proposed treatments and priorities are contained in **APPENDIX D** while a map of all roads and the proposed treatments are contained in **APPENDIX E**.

8. CONCLUSIONS

The road network involves some 238 km of road as well as 17 km of 80-20 Provincially subsidized road.

Rejuvenation of old road surfacing is a high priority and treatment with diluted emulsion should receive a high priority. Thereafter, the roads in better condition should be patched and resurfaced with slurry to obtain a uniform texture and improve riding quality. Where the surface texture is already fairly uniform a single seal can be applied.

The surfacing on the higher order roads can be improved using micro-paving or thicker asphalt where required. This must be preceded with crack sealing and patching as well as investigations to ensure that the pavement has enough structural capacity to carry the traffic loads when it has an asphalt surface.

Where access roads are excessively deformed or potholed, the existing pavement can be ripped up and recompacted as a subbase and a new block pavement constructed.

The portion of unpaved roads requiring paving is relatively small needs to be identified and attended to in a prioritised manner.

APPENDIX A: ROAD INVENTORY MAPS

Ashton

Cape Winelands
Road Management System:
Road Types

Legend

Road Inventory

- Flexible
- Block
- Gravel



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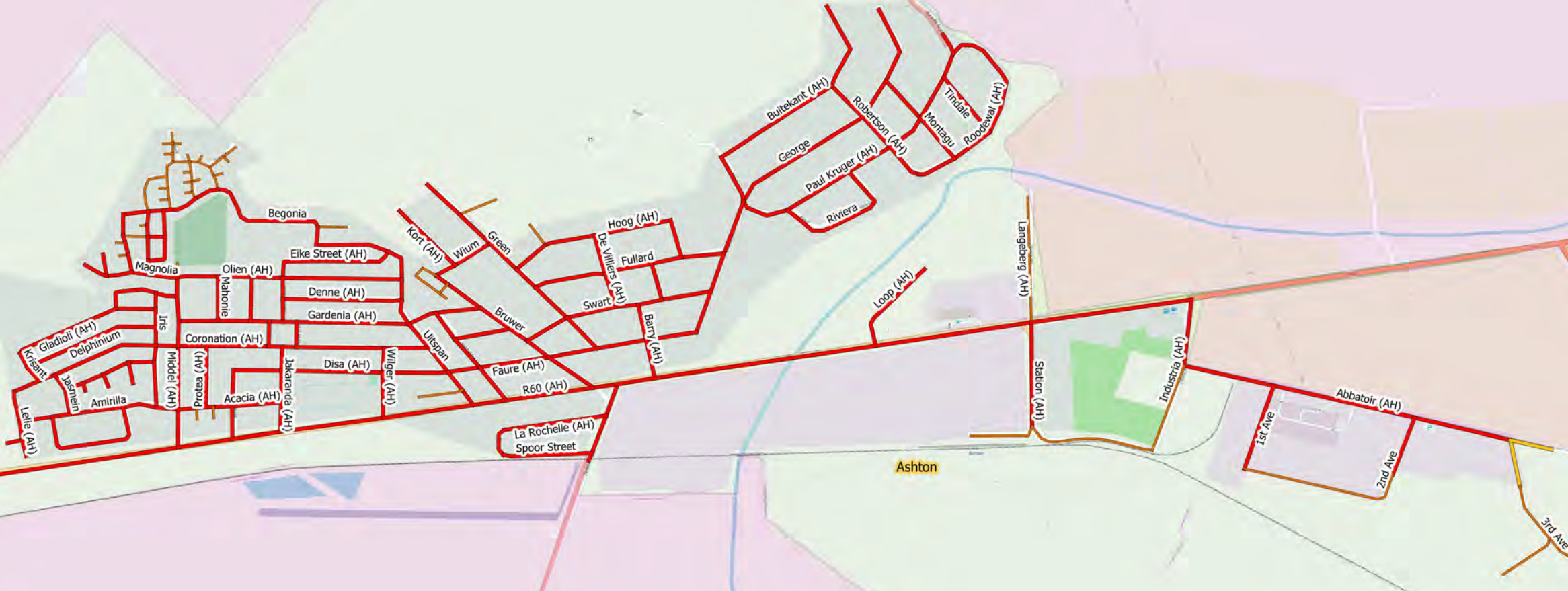
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Langeberg NU

Ashton



0 400 800 1200 1600 m



Ashton - Zolani

Cape Winelands
Road Management System:
Road Types

Legend

Road Inventory

Flexible

Gravel



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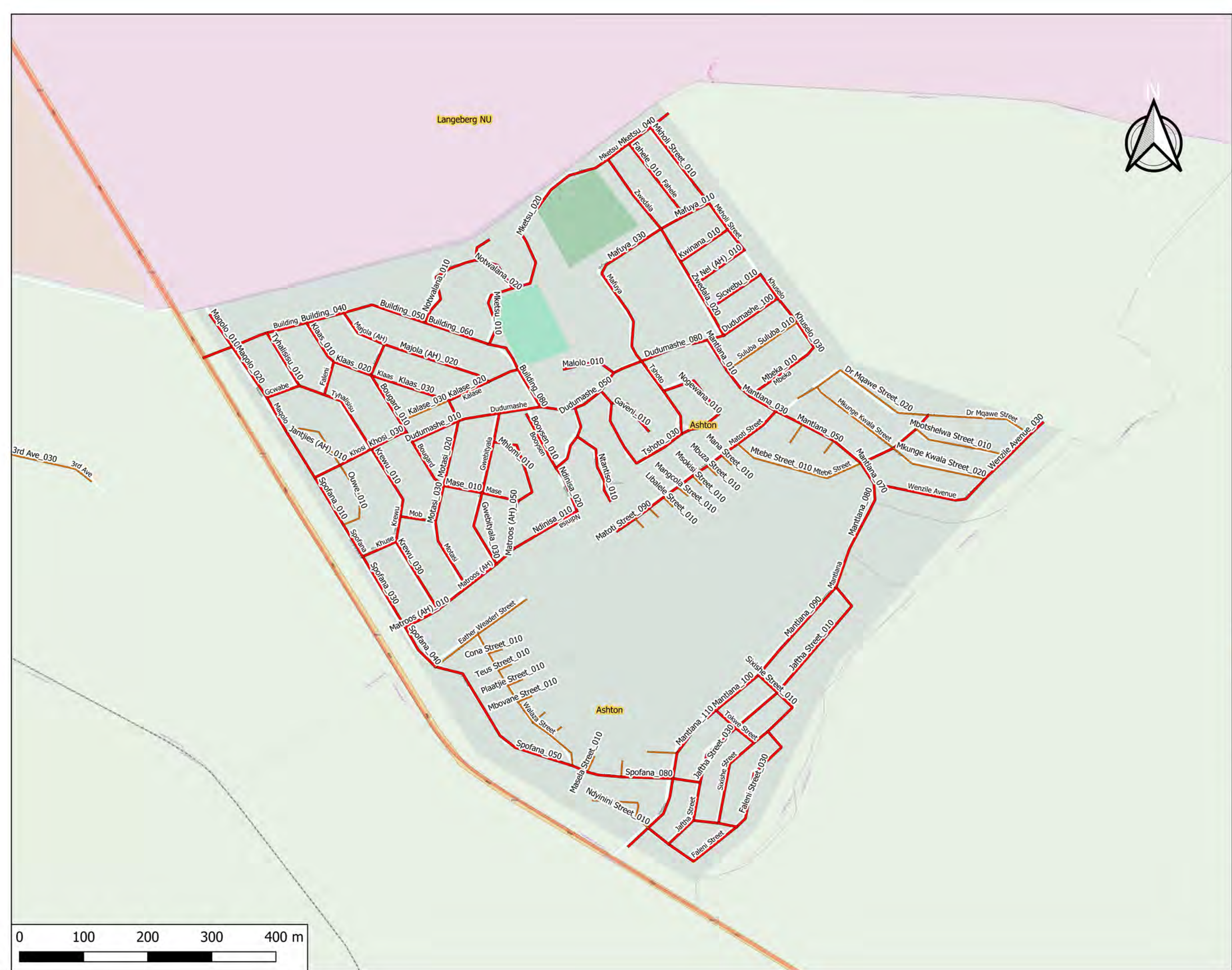
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Bonnievale

Cape Winelands
Road Management System:
Road Types

Legend

Road Inventory

- Flexible
- Block
- Gravel



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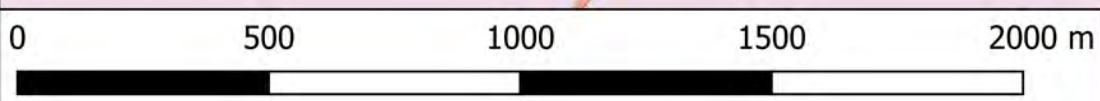
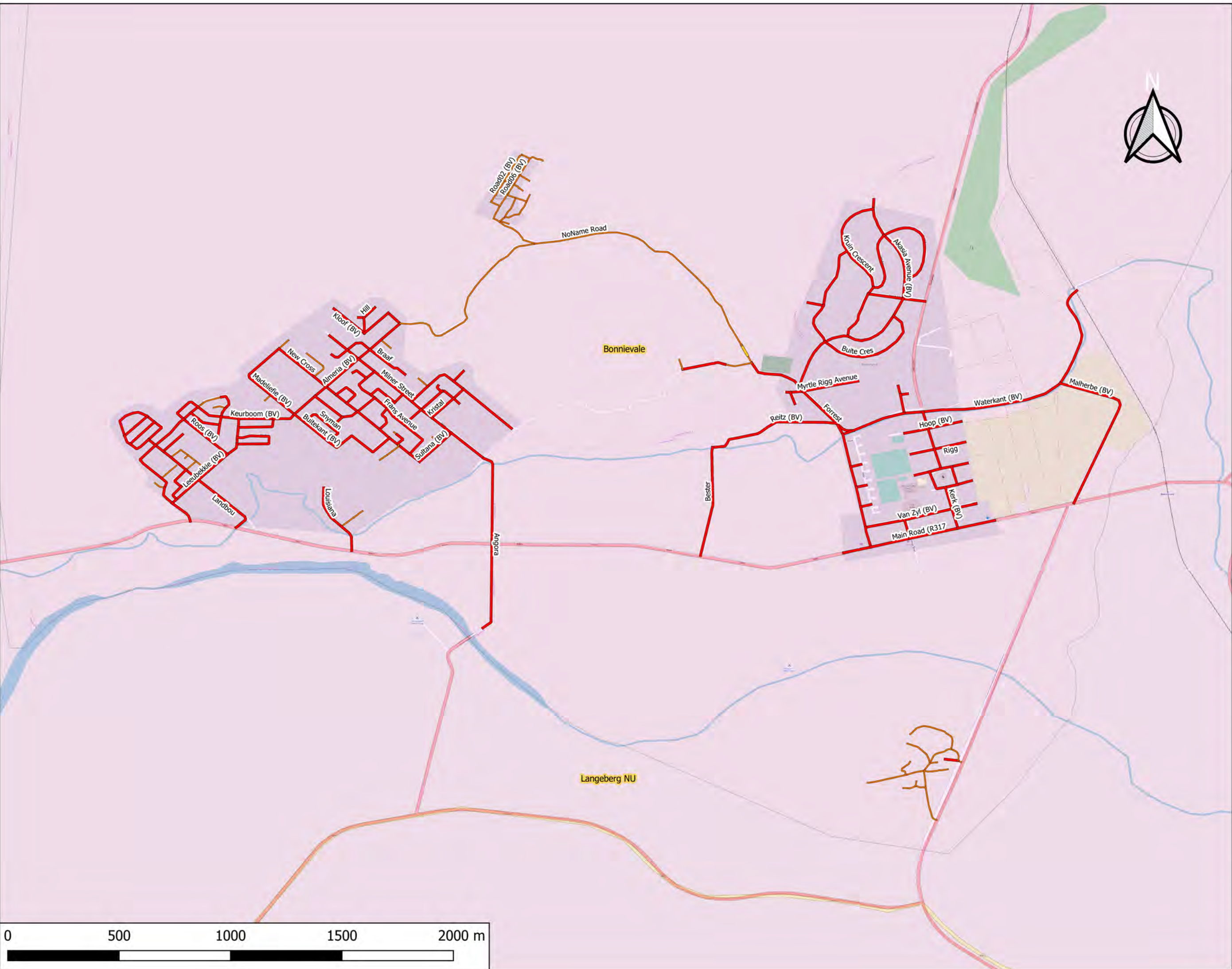
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McGregor

Cape Winelands
Road Management System:
Road Types

Legend

Road Inventory

Flexible

Gravel



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0 100 200 300 400 m



Montagu

Cape Winelands
Road Management System:
Road Types

Legend

- Road Inventory
- Flexible
 - Roundabout
 - Block
 - Gravel



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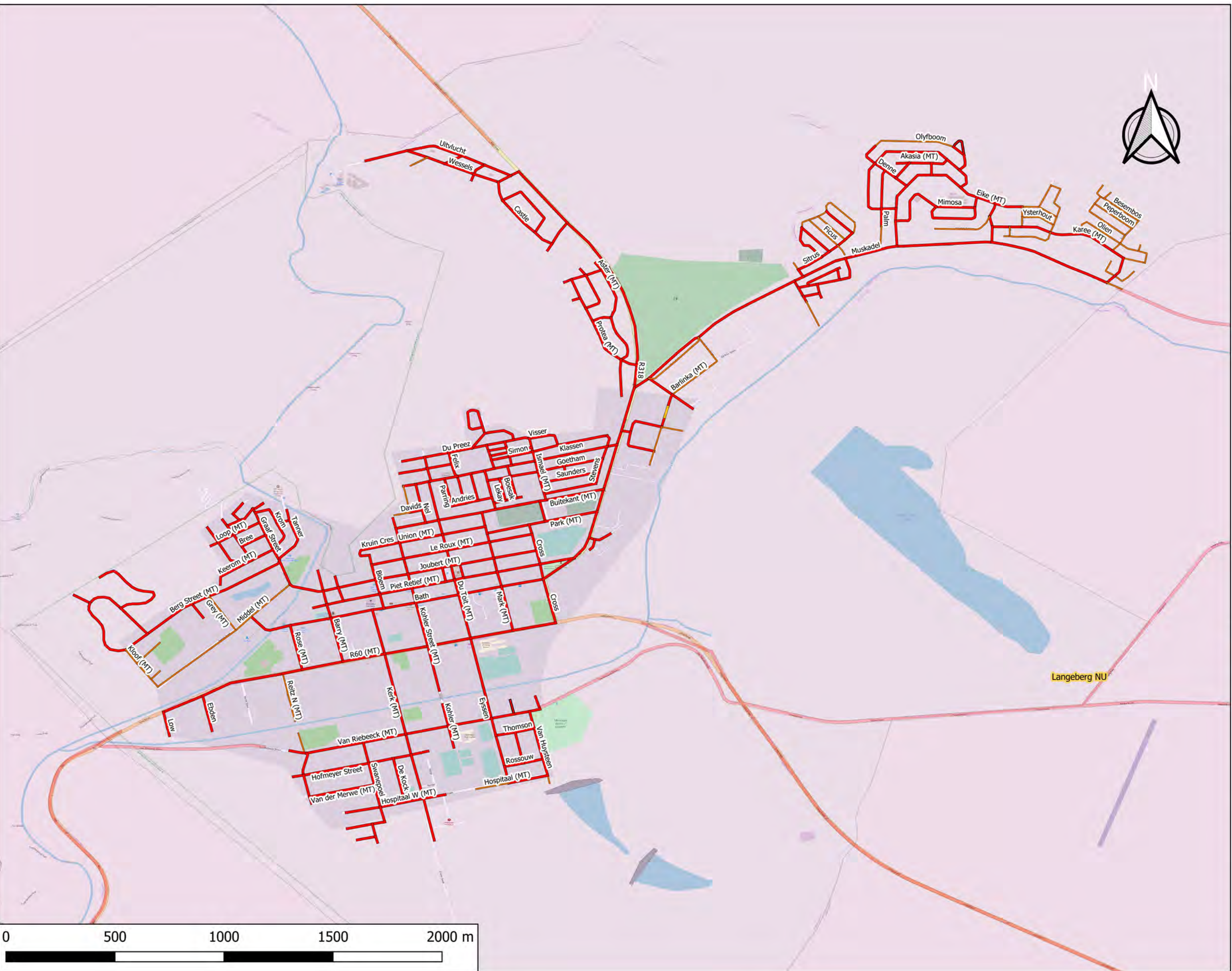
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Langeberg NU

0 500 1000 1500 2000 m



Robertson

Cape Winelands
Road Management System:
Road Types

Legend

Road Inventory

- Dual
- Flexible
- Block
- Gravel



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Langeberg NU

0 600 1200 1800 2400 m



APPENDIX B: ROAD CLASSIFICATION MAPS

Ashton

**Cape Winelands
Road Management System:
Road Functional Class**

Legend

Road Classification

- Arterial
- Collector
- Access



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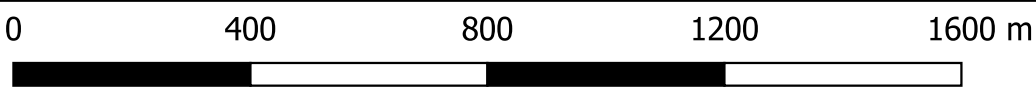
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Langeberg NU

Ashton



Ashton - Zolani

**Cape Winelands
Road Management System:
Road Functional Class**

Legend

Road Classification

- Collector
- Access



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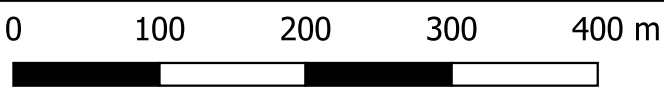
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Langeberg NU

Ashton

Ashton



Bonnievale

Cape Winelands
Road Management System:
Road Functional Class

Legend

Road Classification

-  Distributor
-  Collector
-  Access



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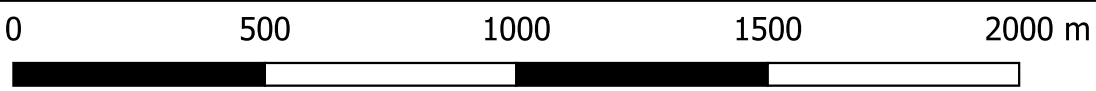
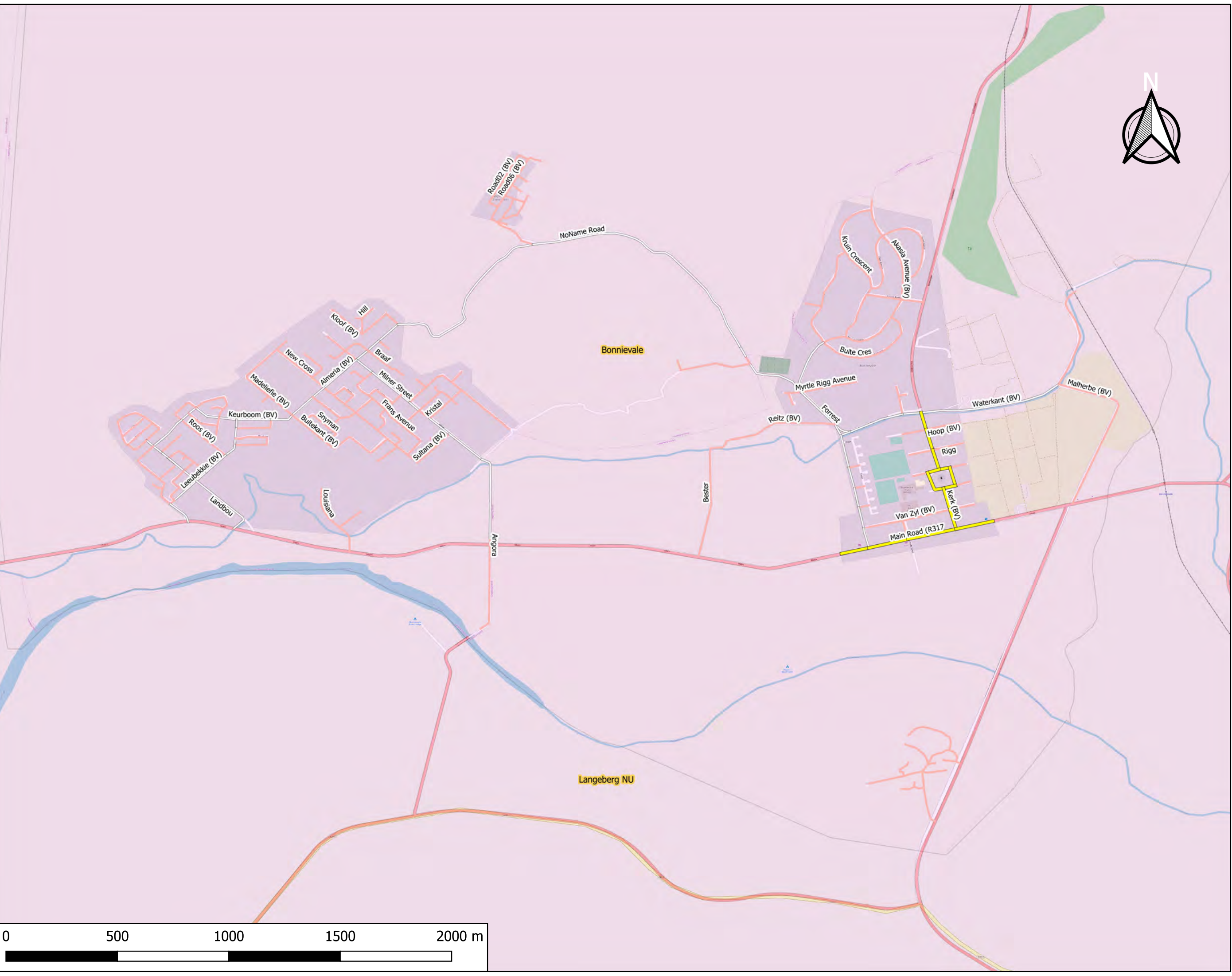
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McGregor

**Cape Winelands
Road Management System:
Road Functional Class**

Legend

- Road Classification**
-  Distributor
 -  Access

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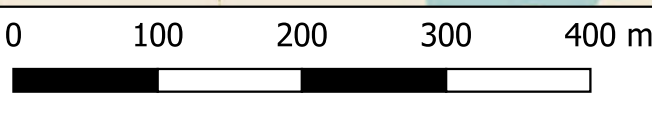
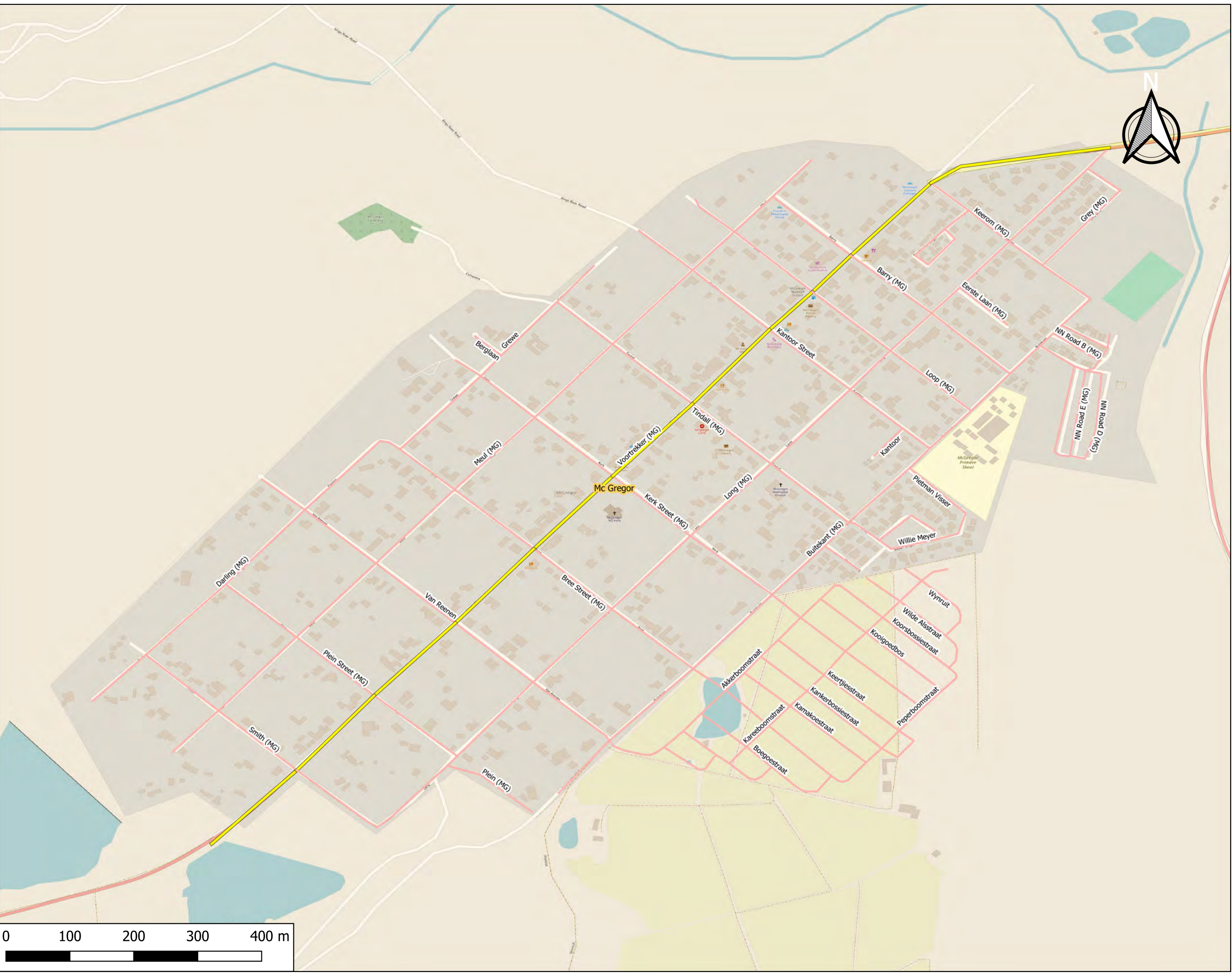
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Montagu

**Cape Winelands
Road Management System:
Road Functional Class**

Legend

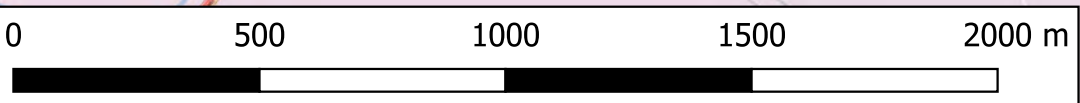
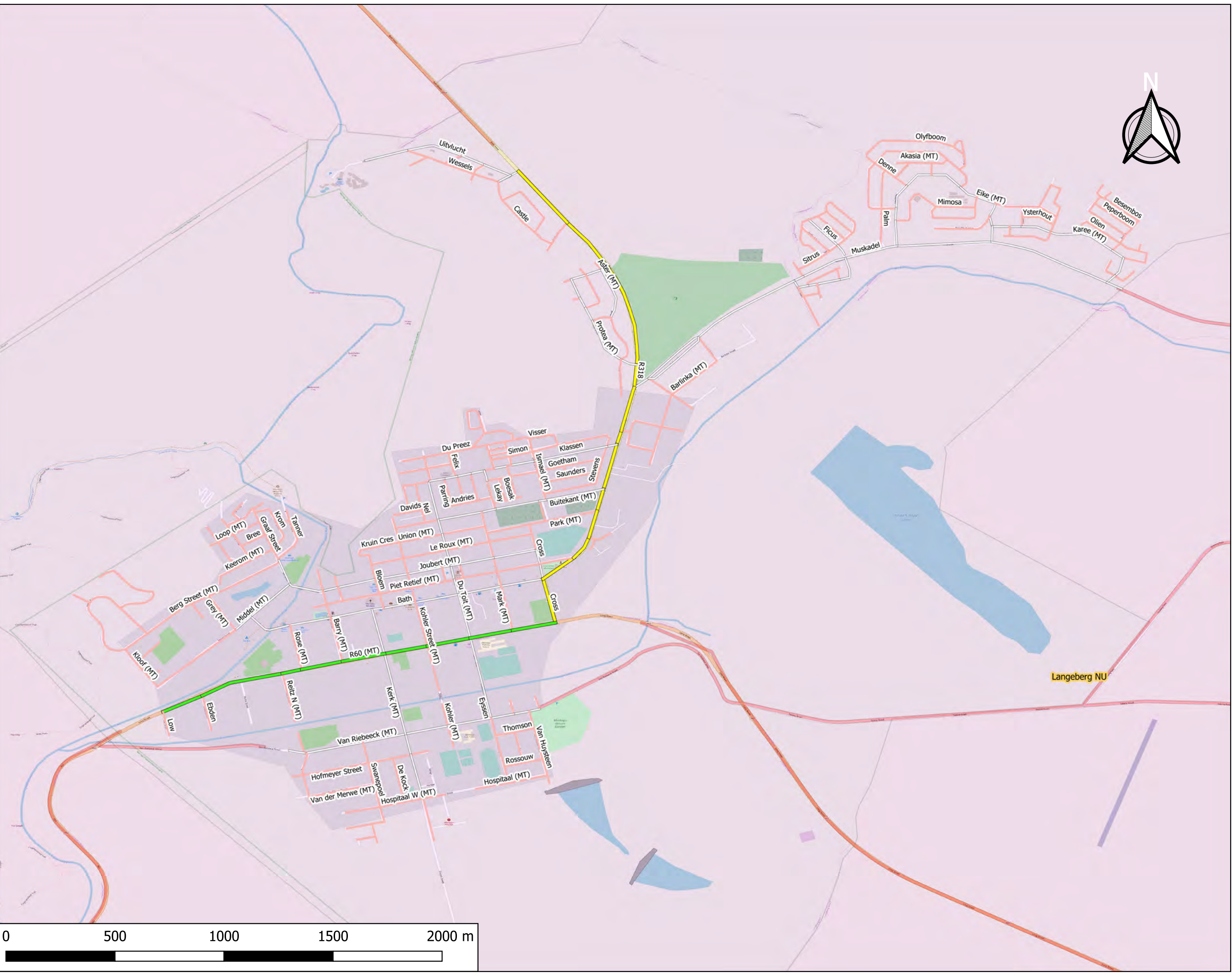
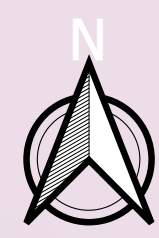
- Road Classification**
- Arterial
 - Distributor
 - Collector
 - Access

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Robertson

**Cape Winelands
Road Management System:
Road Functional Class**

Legend

Road Classification

-  Arterial
-  Distributor
-  Collector
-  Access



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Langeberg NU

0 600 1200 1800 2400 m



APPENDIX C: GENERAL CONDITION INDEX (VCI) MAPS



Ashton

Cape Winelands
Road Management System:
Road Pavement Condition

Legend

General Condition Index (VCI)

- Paved Very Good
- Paved Good
- Paved Fair
- Paved Poor
- Unpaved Fair
- Unpaved - Poor
- Unpaved - Very Poor



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Langeberg NU

Ashton

0 400 800 1200 1600 m



Cape Winelands Road Management System: Road Pavement Condition

General Condition Index (VCI)

- Paved Very Good
- Paved Good
- Paved Fair
- Unpaved Good
- Unpaved Fair
- Unpaved - Poor
- Unpaved - Very Poor



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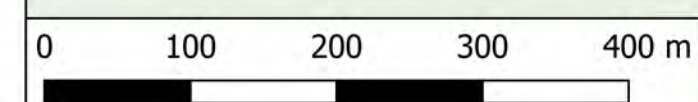
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Bonnievale

Cape Winelands
Road Management System:
Road Pavement Condition

Legend

General Condition Index (VCI)

- Paved Very Good
- Paved Good
- Paved Fair
- Paved Poor
- Paved Very Poor
- Unpaved Fair
- Unpaved - Poor
- Unpaved - Very Poor



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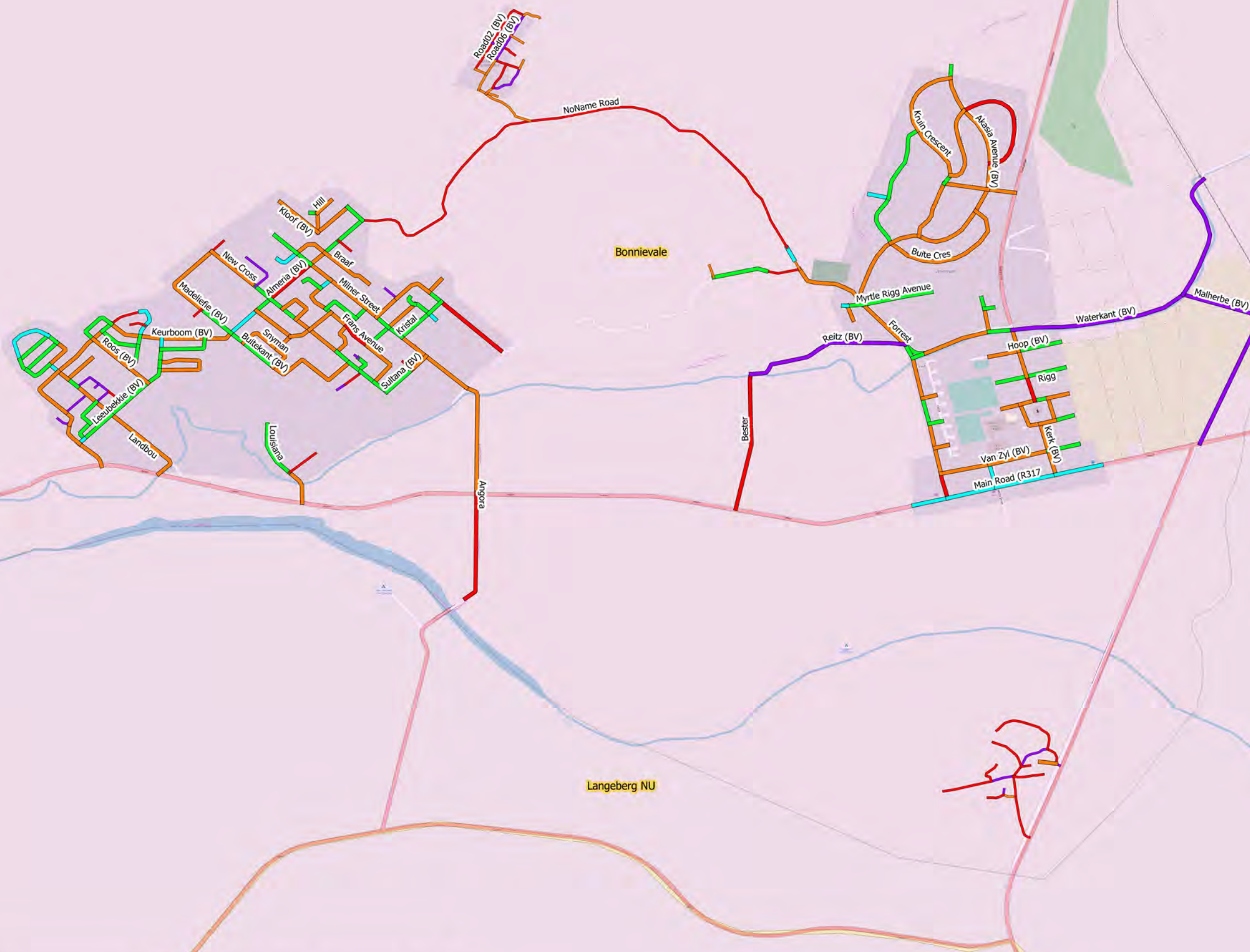
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0 500 1000 1500 2000 m



McGregor

Cape Winelands
Road Management System:
Road Pavement Condition

Legend

General Condition Index (VCI)

- Paved Very Good
- Paved Good
- Paved Fair
- Paved Poor
- Unpaved Fair
- Unpaved - Poor
- Unpaved - Very Poor



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0 100 200 300 400 m





Montagu

Cape Winelands
Road Management System:
Road Pavement Condition

Legend

General Condition Index (VCI)

- Paved Very Good
- Paved Good
- Paved Fair
- Paved Poor
- Paved Very Poor
- Unpaved Fair
- Unpaved - Poor
- Unpaved - Very Poor



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0 500 1000 1500 2000 m



Robertson

Cape Winelands
Road Management System:
Road Pavement Condition

Legend

- General Condition Index (VCI)
- Paved Very Good
 - Paved Good
 - Paved Fair
 - Paved Poor
 - Paved Very Poor
 - Unpaved Very Good
 - Unpaved Good
 - Unpaved Fair
 - Unpaved - Poor
 - Unpaved - Very Poor

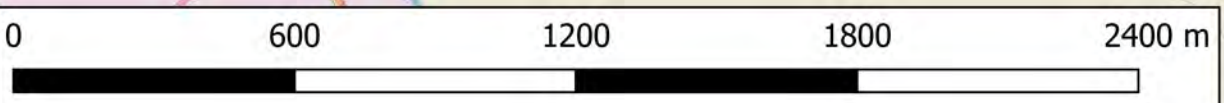
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APPENDIX D: PROPOSED ROAD TREATMENT LISTS

DRAFT ROAD MAINTENANCE PROGRAMME

Totals										R 86 615 270	R 20 203 820	R 21 526 220	R 13 651 730	R 15 253 870	R 15 979 630									
municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	gen_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5
Langeberg	Ashton	10206010	Abbatoir (AH)_010	0.23	Industria	1st Ave	8	Road - Paved - Flexible	4	3 - Fair	1864	36	1864	35	AC25	DM	100	R 186 400	2 Medium	R 0	R 0	R 0	R 186 400	R 0
Langeberg	Ashton	10206009	George_020	0.12	Swart	Fullard	12	Road - Paved - Flexible	4	4 - Poor	1422	32	1422	35	AC25	DM	100	R 142 200	2 Medium	R 0	R 0	R 142 200	R 0	R 0
Langeberg	Ashton	10206009	George_030	0.16	Fullard	Paul Kruger	12	Road - Paved - Flexible	4	3 - Fair	1964	34	1964	39	AC25	DM	100	R 196 400	2 Medium	R 0	R 0	R 196 400	R 0	R 0
Langeberg	Ashton	10206010	Maqolo_030	0.07	Gcwabe	Janities	7	Road - Paved - Flexible	4	3 - Fair	512	16	512	39	AC25	DM	100	R 51 200	2 Medium	R 0	R 0	R 51 200	R 0	R 0
Langeberg	Ashton	10206009	Middel (AH)_050	0.06	Ranonkel	Olien/Magnolia	8	Road - Paved - Flexible	4	2 - Good	461	32	461	38	AC25	DM	100	R 46 100	2 Medium	R 0	R 0	R 46 100	R 0	R 0
Langeberg	Ashton	10206010	1st Ave_010	0.26	Grav (2nd Ave)	Abbatoir	4.5	Road - Paved - Flexible	5	4 - Poor	1167	25	1167	0	BL	DM	270	R 315 090	1 High	R 0	R 315 090	R 0	R 0	R 0
Langeberg	Ashton	10206009	Gardenia (AH)_030	0.05	Sipres	Marula	6.8	Road - Paved - Flexible	5	3 - Fair	316	41	316	12	BL	DM	270	R 85 320	1 High	R 0	R 85 320	R 0	R 0	R 0
Langeberg	Ashton	10206009	Green_050	0.12	Park	Wium	12	Road - Paved - Flexible	5	4 - Poor	1392	31	1392	14	BL	DM	270	R 375 840	1 High	R 0	R 375 840	R 0	R 0	R 0
Langeberg	Ashton	10206009	Iris_010	0.14	Blue Bell	Amirilla	6.8	Road - Paved - Flexible	5	3 - Fair	936	34	936	18	BL	DM	270	R 252 720	2 Medium	R 0	R 0	R 252 720	R 0	R 0
Langeberg	Ashton	10206009	Blue Bells Avenue_020	0.06	Narsing	Aster	4.9	Road - Paved - Flexible	5	2 - Good	282	27	282	55	DE2	DM	20	R 5 640	1 High	R 0	R 5 640	R 0	R 0	R 0
Langeberg	Ashton	10206009	Fullard_010	0.18	De Villiers	Green	12	Road - Paved - Flexible	5	3 - Fair	2185	29	2185	43	DE2	DM	20	R 43 700	1 High	R 0	R 43 700	R 0	R 0	R 0
Langeberg	Ashton	10206009	Green_050	0.12	Robertson	Montagu	8	Road - Paved - Flexible	5	3 - Fair	982	22	982	50	DE2	DM	20	R 19 640	1 High	R 19 640	R 0	R 0	R 0	R 0
Langeberg	Ashton	10206009	Green_020	0.12	Fullard	Swart	12	Road - Paved - Flexible	5	3 - Fair	1456	21	1456	48	DE2	DM	20	R 29 120	1 High	R 29 120	R 0	R 0	R 0	R 0
Langeberg	Ashton	10206009	Lelie (AH)_030	0.09	Amirilla	Coronation	6.2	Road - Paved - Flexible	5	3 - Fair	562	21	562	43	DE2	DM	20	R 11 240	1 High	R 11 240	R 0	R 0	R 0	R 0
Langeberg	Ashton	10206009	Narsing_010	0.04	Blue Bell	Cul De Sac	4.9	Road - Paved - Flexible	5	2 - Good	189	13	189	50	DE2	DM	20	R 3 780	1 High	R 3 780	R 0	R 0	R 0	R 0
Langeberg	Ashton	10206009	Roosmaryn Crescent_020	0.06			6.4	Road - Paved - Flexible	5	2 - Good	406	25	406	53	DE2	DM	20	R 8 120	1 High	R 8 120	R 0	R 0	R 0	R 0
Langeberg	Ashton	10206009	Sweetpea Street (AH)_010	0.06			6.4	Road - Paved - Flexible	5	2 - Good	413	25	413	46	DE2	DM	20	R 8 260	1 High	R 0	R 8 260	R 0	R 0	R 0
Langeberg	Ashton	10206010	2nd Ave_010	0.18	Abbatoir	Tar/Gravel	8	Road - Paved - Flexible	5	3 - Fair	1425	38	1425	49	DE2	DM	20	R 28 500	2 Medium	R 0	R 0	R 0	R 28 500	R 0
Langeberg	Ashton	10206009	Acacia (AH)_020	0.05	Protea	Burke	5	Road - Paved - Flexible	5	3 - Fair	236	39	236	43	DE2	DM	20	R 4 720	2 Medium	R 0	R 0	R 0	R 4 720	R 0
Langeberg	Ashton	10206009	Amirilla_020	0.09	Iris	Rose	6.8	Road - Paved - Flexible	5	2 - Good	587	39	587	48	DE2	DM	20	R 11 740	2 Medium	R 0	R 0	R 0	R 11 740	R 0
Langeberg	Ashton	10206009	Amirilla_030	0.14	Rose	Jasmein	6.8	Road - Paved - Flexible	5	3 - Fair	923	37	923	43	DE2	DM	20	R 18 460	2 Medium	R 0	R 0	R 0	R 18 460	R 0
Langeberg	Ashton	10206009	Barry (AH)_020	0.11	Swart	Faure	12	Road - Paved - Flexible	5	3 - Fair	1292	39	1292	57	DE2	DM	20	R 25 840	2 Medium	R 0	R 0	R 0	R 25 840	R 0
Langeberg	Ashton	10206009	Begonia_020	0.04	Dahlia	Vygie	6.9	Road - Paved - Flexible	5	2 - Good	266	38	266	52	DE2	DM	20	R 5 320	2 Medium	R 0	R 0	R 0	R 5 320	R 0
Langeberg	Ashton	10206009	Blue Bells Avenue_030	0.07	Madeliefie	Narsing	4.9	Road - Paved - Flexible	5	2 - Good	357	37	357	43	DE2	DM	20	R 7 140	2 Medium	R 0	R 0	R 0	R 7 140	R 0
Langeberg	Ashton	10206009	Blue Bells Avenue_040	0.06	Iris	Madeliefie	4.9	Road - Paved - Flexible	5	2 - Good	315	36	315	41	DE2	DM	20	R 6 300	2 Medium	R 0	R 0	R 0	R 6 300	R 0
Langeberg	Ashton	10206009	Bruwer_050	0.11	Noord	Wium	12	Road - Paved - Flexible	5	3 - Fair	1326	37	1326	47	DE2	DM	20	R 26 520	2 Medium	R 0	R 0	R 0	R 26 520	R 0
Langeberg	Ashton	10206009	Bruwer_060	0.04	Noord	Wium	12	Road - Paved - Flexible	5	2 - Good	472	37	472	51	DE2	DM	20	R 9 440	2 Medium	R 0	R 0	R 0	R 9 440	R 0
Langeberg	Ashton	10206009	Burkea Street (AH)_020	0.11	Disa	Acacia	5	Road - Paved - Flexible	5	2 - Good	543	36	543	44	DE2	DM	20	R 10 860	2 Medium	R 0	R 0	R 0	R 10 860	R 0
Langeberg	Ashton	10206009	Coronation (AH)_010	0.07	Lelie	Krisant	6.8	Road - Paved - Flexible	5	3 - Fair	482	38	482	50	DE2	DM	20	R 9 640	2 Medium	R 0	R 0	R 0	R 9 640	R 0
Langeberg	Ashton	10206009	Coronation (AH)_040	0.06	Iris	Middel	6.8	Road - Paved - Flexible	5	2 - Good	377	38	377	44	DE2	DM	20	R 7 540	2 Medium	R 0	R 0	R 0	R 7 540	R 0
Langeberg	Ashton	10206009	Coronation (AH)_050	0.07	Middel	Protea	6.8	Road - Paved - Flexible	5	2 - Good	488	36	488	43	DE2	DM	20	R 9 760	2 Medium	R 0	R 0	R 0	R 9 760	R 0
Langeberg	Ashton	10206009	Coronation (AH)_070	0.03	Marula	Jakaranda	6.8	Road - Paved - Flexible	5	2 - Good	232	39	232	56	DE2	DM	20	R 4 640	2 Medium	R 0	R 0	R 0	R 4 640	R 0
Langeberg	Ashton	10206009	Dahlia (AH)_010	0.04	Vygie	Magnolia	5.2	Road - Paved - Flexible	5	2 - Good	217	39	217	46	DE2	DM	20	R 4 340	2 Medium	R 0	R 0	R 0	R 4 340	R 0
Langeberg	Ashton	10206009	Dahlia (AH)_030	0.04	Gazania	Gousblom	5.2	Road - Paved - Flexible	5	2 - Good	181	39	181	56	DE2	DM	20	R 3 620	2 Medium	R 0	R 0	R 0	R 3 620	R 0
Langeberg	Ashton	10206009	Dahlia (AH)_040	0.04	Begonia	Gazania	5.2	Road - Paved - Flexible	5	3 - Fair	217	38	217	53	DE2	DM	20	R 4 340	2 Medium	R 0	R 0	R 0	R 4 340	R 0
Langeberg	Ashton	10206009	De Villiers (AH)_020	0.1	Fullard	Swart	12	Road - Paved - Flexible	5	3 - Fair	1225	36	1225	43	DE2	DM	20	R 24 500	2 Medium	R 0	R 0	R 0	R 24 500	R 0
Langeberg	Ashton	10206009	De Wet (AH)_010	0.11	Fullard	Swart	12	Road - Paved - Flexible	5	3 - Fair	1336	36	1336	45	DE2	DM	20	R 26 720	2 Medium	R 0	R 0	R 0	R 26 720	R 0
Langeberg	Ashton	10206009	Disa (AH)_010	0.12	Burke	Jakaranda	6	Road - Paved - Flexible	5	3 - Fair	723	35	723	43	DE2	DM	20	R 14 460	2 Medium	R 0	R 0	R 0	R 14 460	R 0
Langeberg	Ashton	10206009	Eike Street (AH)_020	0.13	Begonia	Olien	5.2	Road - Paved - Flexible	5	2 - Good	691	37	691	44	DE2	DM	20	R 13 820	2 Medium	R 0	R 0	R 0	R 13 820	R 0
Langeberg	Ashton	10206010	Fahele_010	0.16	Mafuya	Mketsu	5	Road - Paved - Flexible	5	2 - Good	803	35	803	59	DE2	DM	20	R 16 060	2 Medium	R 0	R 0	R 0	R 16 060	R 0
Langeberg	Ashton	10206009	Fullard_030	0.08	Skool	De Wet	12	Road - Paved - Flexible	5	3 - Fair	929	35	929	44	DE2	DM	20	R 18 580	2 Medium	R 0	R 0	R 0	R 18 580	R 0
Langeberg	Ashton	10206009	Fullard_040	0.11	George	Skool	12	Road - Paved - Flexible	5	3 - Fair	1289	36	1289	47	DE2	DM	20	R 25 780	2 Medium	R 0	R 0	R 0	R 25 780	R 0
Langeberg	Ashton	10206009	Gladioli (AH)_010	0.1	Ranonkel	Iris	6.2	Road - Paved - Flexible	5	2 - Good	614	32	614	45	DE2	DM	20	R 12 280	2 Medium	R 0	R 0	R 12 280	R 0	R 0
Langeberg	Ashton	10206009	Gladioli (AH)_020	0.28	Krisant	Ranonkel	6.2	Road - Paved - Flexible	5	2 - Good	1726	39	1726	53	DE2	DM	20	R 34 520	2 Medium	R 0	R 0	R 0	R 34 520	R 0
Langeberg	Ashton	10206009	Green_010	0.12	Swart	Faure	12	Road - Paved - Flexible	5	3 - Fair	1431	30	1431	44	DE2	DM	20	R 28 620	2 Medium	R 0	R 0	R 28 620	R 0	R 0
Langeberg	Ashton	10206009	Green_030	0.07	Hoog	Fullard	12	Road - Paved - Flexible	5	2 - Good	863	36	863	43	DE2	DM	20	R 17 260	2 Medium	R 0	R 0	R 0	R 17 260	R 0
Langeberg	Ashton	10206009	Hoog (AH)_010	0.1	Green	Park	12	Road - Paved - Flexible	5	3 - Fair	1228	37	1228	50	DE2	DM	20	R 24 560	2 Medium	R 0	R 0	R 0	R 24 560	R 0
Langeberg	Ashton	10206009	Hoog (AH)_020	0.13	Park	De Villiers	12	Road - Paved - Flexible	5	3 - Fair	1523	38	1523	52	DE2	DM	20	R 30 460	2 Medium	R 0	R 0	R 0	R 30 460	R 0
Langeberg	Ashton	10206009	Hoog (AH)_030	0.2	De Villiers	Skool	12	Road - Paved - Flexible	5	3 - Fair	2367	37	2367	50	DE2	DM	20	R 47 340	2 Medium	R 0	R 0	R 0	R 47 340	R 0
Langeberg	Ashton	10206009	Iris_030	0.06	Delphinium	Coronation	6.8	Road - Paved - Flexible	5	2 - Good	371	39	371	52	DE2	DM	20	R 7 420	2 Medium	R 0	R 0	R 0	R 7 420	R 0
Langeberg	Ashton	10206009	Jakaranda (AH)_010	0.09	Acacia	Main	7.9	Road - Paved - Flexible	5	3 - Fair	690	39	690	49	DE2	DM	20	R 13 800	2 Medium	R 0	R 0	R 0	R 13 800	R 0
Langeberg	Ashton	10206009	Jakaranda (AH)_020	0.1	Disa	Acacia	7.9	Road - Paved - Flexible	5	2 - Good	759	39	759	58	DE2	DM	20	R 15 180	2 Medium	R 0	R 0	R 0	R 15 180	R 0
Langeberg	Ashton	10206009	Jasmein_010	0.07	Amirilla	Blue Bell	5.1	Road - Paved - Flexible	5	3 - Fair	374	39	374	51	DE2	DM	20	R 7 480	2 Medium	R 0	R 0	R 0	R 7 480	R 0
Langeberg	Ashton	10206009	Karee (AH)_010	0.08	Coronation	Gardenia	6	Road - Paved - Flexible	5	2 - Good	451	35	451	51	DE2	DM	20	R 9 020	2 Medium	R 0	R 0	R 0	R 9 020	R 0
Langeberg	Ashton	10206009	Kloof (AH)_010	0.15	Buitekant	George	8	Road - Paved - Flexible	5	3 - Fair	1163	35	1163	48	DE2	DM	20	R 23 260	2 Medium	R 0	R 0	R 0	R 23 260	R 0
Langeberg	Ashton	10206009	La Rochelle (AH)_010	0.26	Zandvliet	Zandvliet	6.5	Road - Paved - Flexible	5	3 - Fair	1691	34	1691	46	DE2	DM	20	R 33 820	2 Medium	R 0	R 0	R 33 820	R 0	R 0
Langeberg	Ashton	10206009	Madeliefie (AH)_010	0.06	Blue Bell	Cul De Sac	4.9	Road - Paved - Flexible	5	2 - Good	311	33	311	53	DE2	DM	20	R 6 220	2 Medium	R 0	R 0	R 6 220	R 0	R 0
Langeberg	Ashton	10206009	Mahonie_010	0.13	Olien	Gardenia	5	Road - Paved - Flexible	5	2 - Good	668</													

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	gen_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5
Langeberg	Ashton	10206009	Gousblom (AH)_020	0.04	Dahlia	Vygie	6.2	Road - Paved - Flexible	5	2 - Good	268		46	268	68 DE2	DM	20	R 5 360	3 Low	R 0	R 0	R 0	R 0	R 5 360
Langeberg	Ashton	10206009	Green_060	0.12	Cul De Sac	Park	12	Road - Paved - Flexible	5	2 - Good	1451		40	1451	57 DE2	DM	20	R 29 020	3 Low	R 0	R 0	R 0	R 0	R 29 020
Langeberg	Ashton	10206010	Gwebithyala_010	0.05	Mhlomi	Dudumashe	5	Road - Paved - Flexible	5	2 - Good	272		42	272	62 DE2	DM	20	R 5 440	3 Low	R 0	R 0	R 0	R 0	R 5 440
Langeberg	Ashton	10206009	Iris_020	0.05	Coronation	Blue Bell	6.8	Road - Paved - Flexible	5	2 - Good	340		46	340	67 DE2	DM	20	R 6 800	3 Low	R 0	R 0	R 0	R 0	R 6 800
Langeberg	Ashton	10206009	Iris_040	0.06	Gladioli	Delphinium	6.8	Road - Paved - Flexible	5	1 - Very Good	371		45	371	66 DE2	DM	20	R 7 420	3 Low	R 0	R 0	R 0	R 0	R 7 420
Langeberg	Ashton	10206009	Jakaranda (AH)_030	0.07	Coronation	Disa	7.9	Road - Paved - Flexible	5	1 - Very Good	569		47	569	69 DE2	DM	20	R 11 380	3 Low	R 0	R 0	R 0	R 0	R 11 380
Langeberg	Ashton	10206009	Jasmein_020	0.05	Blue Bell	Coronation	5.1	Road - Paved - Flexible	5	1 - Very Good	270		47	270	68 DE2	DM	20	R 5 400	3 Low	R 0	R 0	R 0	R 0	R 5 400
Langeberg	Ashton	10206010	Khuselo_010	0.05	Gravel/Tar	Dudumashe	5	Road - Paved - Flexible	5	1 - Very Good	259		46	259	64 DE2	DM	20	R 5 180	3 Low	R 0	R 0	R 0	R 0	R 5 180
Langeberg	Ashton	10206010	Khuselo_030	0.05	Suluba	Mbeka	5	Road - Paved - Flexible	5	2 - Good	265		44	265	65 DE2	DM	20	R 5 300	3 Low	R 0	R 0	R 0	R 0	R 5 300
Langeberg	Ashton	10206010	Krewu_030	0.14	Khuse	Matroos	4.8	Road - Paved - Flexible	5	2 - Good	687		40	687	44 DE2	DM	20	R 13 740	3 Low	R 0	R 0	R 0	R 0	R 13 740
Langeberg	Ashton	10206009	Krisant_020	0.05	Delphinium	Gladioli	6.8	Road - Paved - Flexible	5	2 - Good	316		41	316	57 DE2	DM	20	R 6 320	3 Low	R 0	R 0	R 0	R 0	R 6 320
Langeberg	Ashton	10206010	Kwinana_010	0.1	Zwedala	Micholi	5	Road - Paved - Flexible	5	1 - Very Good	476		43	476	65 DE2	DM	20	R 9 520	3 Low	R 0	R 0	R 0	R 0	R 9 520
Langeberg	Ashton	10206009	Lellie (AH)_010	0.05	Cul De Sac	Orgidee	6.2	Road - Paved - Flexible	5	2 - Good	297		42	297	65 DE2	DM	20	R 5 940	3 Low	R 0	R 0	R 0	R 0	R 5 940
Langeberg	Ashton	10206009	Lellie (AH)_020	0.06	Orgidee	Amirilla	6.2	Road - Paved - Flexible	5	2 - Good	345		46	345	67 DE2	DM	20	R 6 900	3 Low	R 0	R 0	R 0	R 0	R 6 900
Langeberg	Ashton	10206010	Mafuya_010	0.05	Micholi	Fahele	5	Road - Paved - Flexible	5	2 - Good	223		44	223	64 DE2	DM	20	R 4 460	3 Low	R 0	R 0	R 0	R 0	R 4 460
Langeberg	Ashton	10206010	Mafuya_020	0.04	Fahele	Zwedala	5	Road - Paved - Flexible	5	1 - Very Good	222		49	222	69 DE2	DM	20	R 4 440	3 Low	R 0	R 0	R 0	R 0	R 4 440
Langeberg	Ashton	10206010	Mafuya_030	0.31	Zwedala	Dudumashe	5	Road - Paved - Flexible	5	2 - Good	1538		40	1538	45 DE2	DM	20	R 30 760	3 Low	R 0	R 0	R 0	R 0	R 30 760
Langeberg	Ashton	10206009	Magnolia_010	0.08	Dahlia	Middel	6.9	Road - Paved - Flexible	5	1 - Very Good	519		46	519	68 DE2	DM	20	R 10 380	3 Low	R 0	R 0	R 0	R 0	R 10 380
Langeberg	Ashton	10206009	Magnolia_020	0.04	Magnolia Close 2	Dahlia	6.9	Road - Paved - Flexible	5	1 - Very Good	274		45	274	51 DE2	DM	20	R 5 480	3 Low	R 0	R 0	R 0	R 0	R 5 480
Langeberg	Ashton	10206009	Magnolia_030	0.05	Magnolia Close 2	Dahlia	6.9	Road - Paved - Flexible	5	1 - Very Good	365		46	365	64 DE2	DM	20	R 7 300	3 Low	R 0	R 0	R 0	R 0	R 7 300
Langeberg	Ashton	10206009	Magnolia_040	0.04	Magnolia Close 1	Magnolia Close 2	6.9	Road - Paved - Flexible	5	2 - Good	256		46	256	65 DE2	DM	20	R 5 120	3 Low	R 0	R 0	R 0	R 0	R 5 120
Langeberg	Ashton	10206009	Magnolia_050	0.02	Gousblom	Magnolia Close 1	6.9	Road - Paved - Flexible	5	1 - Very Good	145		47	145	65 DE2	DM	20	R 2 900	3 Low	R 0	R 0	R 0	R 0	R 2 900
Langeberg	Ashton	10206009	Magnolia_060	0.07	Begonia	Gousblom	6.9	Road - Paved - Flexible	5	2 - Good	448		44	448	58 DE2	DM	20	R 8 960	3 Low	R 0	R 0	R 0	R 0	R 8 960
Langeberg	Ashton	10206010	Mbeka_010	0.14	Khuselo	Mantlana	5.2	Road - Paved - Flexible	5	1 - Very Good	706		42	706	65 DE2	DM	20	R 14 120	3 Low	R 0	R 0	R 0	R 0	R 14 120
Langeberg	Ashton	10206010	Mketsu_030	0.04	Fahele	Zwedala	5	Road - Paved - Flexible	5	2 - Good	219		47	219	69 DE2	DM	20	R 4 380	3 Low	R 0	R 0	R 0	R 0	R 4 380
Langeberg	Ashton	10206010	Mketsu_040	0.05	Micholi	Fahele	5	Road - Paved - Flexible	5	2 - Good	228		41	228	53 DE2	DM	20	R 4 560	3 Low	R 0	R 0	R 0	R 0	R 4 560
Langeberg	Ashton	10206010	Mketsu_050	0.04	Cul De Sac	Micholi	5	Road - Paved - Flexible	5	1 - Very Good	183		49	183	65 DE2	DM	20	R 3 660	3 Low	R 0	R 0	R 0	R 0	R 3 660
Langeberg	Ashton	10206010	Mkholi Street_010	0.17	Mketsu	Mafuya	5	Road - Paved - Flexible	5	2 - Good	842		41	842	65 DE2	DM	20	R 16 840	3 Low	R 0	R 0	R 0	R 0	R 16 840
Langeberg	Ashton	10206010	Mkholi Street_020	0.06	Mafuya	Kwinana	5	Road - Paved - Flexible	5	2 - Good	285		42	285	63 DE2	DM	20	R 5 700	3 Low	R 0	R 0	R 0	R 0	R 5 700
Langeberg	Ashton	10206010	Motasi_030	0.07	Bougard	Mob	6.2	Road - Paved - Flexible	5	2 - Good	417		41	417	61 DE2	DM	20	R 8 340	3 Low	R 0	R 0	R 0	R 0	R 8 340
Langeberg	Ashton	10206010	Nel (AH)_010	0.1	Micholi	Zwedala	5	Road - Paved - Flexible	5	1 - Very Good	508		43	508	70 DE2	DM	20	R 10 160	3 Low	R 0	R 0	R 0	R 0	R 10 160
Langeberg	Ashton	10206009	Paul Kruger (AH)_040	0.12	Robertson	Montagu	12	Road - Paved - Flexible	5	3 - Fair	1410		42	1410	65 DE2	DM	20	R 28 200	3 Low	R 0	R 0	R 0	R 0	R 28 200
Langeberg	Ashton	10206009	Paul Kruger (AH)_050	0.14	Montagu	Tindale	12	Road - Paved - Flexible	5	3 - Fair	1629		42	1629	63 DE2	DM	20	R 32 580	3 Low	R 0	R 0	R 0	R 0	R 32 580
Langeberg	Ashton	10206009	Populier (AH)_010	0.1	Bloekom	Uitspan	5.2	Road - Paved - Flexible	5	2 - Good	538		43	538	64 DE2	DM	20	R 10 760	3 Low	R 0	R 0	R 0	R 0	R 10 760
Langeberg	Ashton	10206009	Ranonkel_010	0.15	Gravel/Tar	Iris	6.2	Road - Paved - Flexible	5	2 - Good	937		41	937	48 DE2	DM	20	R 18 740	3 Low	R 0	R 0	R 0	R 0	R 18 740
Langeberg	Ashton	10206009	Ranonkel_020	0.06	Iris	Middel	6.2	Road - Paved - Flexible	5	2 - Good	340		46	340	67 DE2	DM	20	R 6 800	3 Low	R 0	R 0	R 0	R 0	R 6 800
Langeberg	Ashton	10206010	Sicwebu_010	0.1	Khuselo	Zwedala	5	Road - Paved - Flexible	5	1 - Very Good	515		45	515	69 DE2	DM	20	R 10 300	3 Low	R 0	R 0	R 0	R 0	R 10 300
Langeberg	Ashton	10206009	Vygie (AH)_010	0.08	Begonia	Gousblom	6.2	Road - Paved - Flexible	5	2 - Good	490		46	490	64 DE2	DM	20	R 9 800	3 Low	R 0	R 0	R 0	R 0	R 9 800
Langeberg	Ashton	10206009	West Street_010	0.08	Zandvliet	Zandvliet	6.5	Road - Paved - Flexible	5	2 - Good	547		40	547	58 DE2	DM	20	R 10 940	3 Low	R 0	R 0	R 0	R 0	R 10 940
Langeberg	Ashton	10206009	Wilger (AH)_010	0.14	Disa	Main	6	Road - Paved - Flexible	5	1 - Very Good	821		44	821	65 DE2	DM	20	R 16 420	3 Low	R 0	R 0	R 0	R 0	R 16 420
Langeberg	Ashton	10206009	Wilger (AH)_020	0.07	Coronation	Disa	8.2	Road - Paved - Flexible	5	2 - Good	598		46	598	55 DE2	DM	20	R 11 960	3 Low	R 0	R 0	R 0	R 0	R 11 960
Langeberg	Ashton	10206009	Wium_010	0.06	Bruwer	Kort	9.5	Road - Paved - Flexible	5	2 - Good	541		40	541	58 DE2	DM	20	R 10 820	3 Low	R 0	R 0	R 0	R 0	R 10 820
Langeberg	Ashton	10206009	Wium_020	0.11	Kort	Green	9.5	Road - Paved - Flexible	5	2 - Good	1038		40	1038	54 DE2	DM	20	R 20 760	3 Low	R 0	R 0	R 0	R 0	R 20 760
Langeberg	Ashton	10206009	Bruwer_020	0.07	Faure	Swart	12	Road - Paved - Flexible	4	2 - Good	883		39	883	56 MP15	DM	70	R 61 810	1 High	R 0	R 61 810	R 0	R 0	R 0
Langeberg	Ashton	10206009	Bruwer_040	0.1	Waterkant	Noord	12	Road - Paved - Flexible	4	3 - Fair	1161		36	1161	51 MP15	DM	70	R 81 270	1 High	R 0	R 81 270	R 0	R 0	R 0
Langeberg	Ashton	10206010	Dudumashe_020	0.07	Klaas Link 1	Gwebithyala	7	Road - Paved - Flexible	4	2 - Good	459		35	459	61 MP15	DM	70	R 32 130	1 High	R 0	R 32 130	R 0	R 0	R 0
Langeberg	Ashton	10206009	Faure (AH)_030	0.13	Green	Bruwer	12	Road - Paved - Flexible	4	3 - Fair	1496		35	1496	44 MP15	DM	70	R 104 720	1 High	R 0	R 104 720	R 0	R 0	R 0
Langeberg	Ashton	10206009	Faure (AH)_040	0.18	Bruwer	Voor trekker	12	Road - Paved - Flexible	4	3 - Fair	2111		39	2111	53 MP15	DM	70	R 147 770	1 High	R 0	R 147 770	R 0	R 0	R 0
Langeberg	Ashton	10206010	Mantlana_020	0.06	Suluba	Mbeka	6.6	Road - Paved - Flexible	4	2 - Good	394		37	394	63 MP15	DM	70	R 27 580	1 High	R 0	R 27 580	R 0	R 0	R 0
Langeberg	Ashton	10206009	Middel (AH)_040	0.07	Gardenia	Ranonkel	8	Road - Paved - Flexible	4	3 - Fair	596		38	596	52 MP15	DM	70	R 41 720	1 High	R 0	R 41 720	R 0	R 0	R 0
Langeberg	Ashton	10206010	Mketsu_010	0.13	Notwalana	Building	5	Road - Paved - Flexible	4	2 - Good	665		37	665	54 MP15	DM	70	R 46 550	1 High	R 0	R 46 550	R 0	R 0	R 0
Langeberg	Ashton	10206009	Noord (AH)_010	0.12	Bruwer	Voor trekker	6	Road - Paved - Flexible	4	3 - Fair	689		34	689	41 MP15	DM	70	R 48 230	1 High	R 0	R 48 230	R 0	R 0	R 0
Langeberg	Ashton	10206009	Noord (AH)_020	0.08	Voor trekker	Uitspan	6	Road - Paved - Flexible	4	2 - Good	455		39	455	54 MP15	DM	70	R 31 850	1 High	R 0	R 31 850	R 0	R 0	R 0
Langeberg	Ashton	10206009	Olien (AH)_010	0.3	Bloekom	Uitspan	6.2	Road - Paved - Flexible	4	3 - Fair	1853		37	1853	51 MP15	DM	70	R 129 710	1 High	R 0	R 129 710	R 0	R 0	R 0
Langeberg	Ashton	10206009	Uitspan_030	0.09	Coronation	Disa	8	Road - Paved - Flexible	4	2 - Good	699		38	699	64 MP15	DM	70	R 48 930	1 High	R 0	R 48 930	R 0	R 0	R 0
Langeberg	Ashton	10206009	Uitspan_050	0.08	Denne	Gardenia	8	Road - Paved - Flexible	4	2 - Good	628		38	628	53 MP15	DM	70	R 43 960	1 High	R 0	R 43 960	R 0	R 0	R 0
Langeberg	Ashton	10206009	Barry (AH)_010	0.12	Faure	Main	12	Road - Paved - Flexible	4	2 - Good	1403		42	1403	63 MP15	DM	70	R 98 210	2 Medium	R 0	R 0	R 0	R 98 210	R 0
Langeberg	Ashton	10206009	Bruwer_010	0.15	Main	Faure	12	Road - Paved - Flexible	4	2 - Good	1518		40	1518	58 MP15	DM	70	R 106 260	2 Medium	R 0	R 0	R 0	R 106 260	R 0
Langeberg	Ashton	10206009	Bruwer_030	0.06	Swart	Waterkant	12	Road - Paved - Flexible	4															

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	sen_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5		
Langeberg	Ashton	10206009	Riviera_010	0.39	Paul Kruger	Paul Kruger	8	Road - Paved - Flexible	5	4 - Poor	3084		33	3084	29 SL3	DM	50	R 154 200	3 Low		R 0	R 0	R 0	R 0	R 154 200	
Langeberg	Ashton	10206009	Robertson (AH)_010	0.11	Roodewal	Paul Kruger	8	Road - Paved - Flexible	5	3 - Fair	894		37	894	33 SL3	DM	50	R 44 700	3 Low		R 0	R 0	R 0	R 0	R 44 700	
Langeberg	Ashton	10206009	Robertson (AH)_020	0.11	Paul Kruger	George	8	Road - Paved - Flexible	5	3 - Fair	905		36	905	32 SL3	DM	50	R 45 250	3 Low		R 0	R 0	R 0	R 0	R 45 250	
Langeberg	Ashton	10206010	Station (AH)_010	0.31	Prov Road	Tar/Gravel	12	Road - Paved - Flexible	5	3 - Fair	3305		23	3305	21 SL3	DM	50	R 165 250	3 Low		R 0	R 0	R 0	R 0	R 165 250	
Langeberg	Ashton	10206009	Swarf_040	0.06	Barry	De Wet	12	Road - Paved - Flexible	5	2 - Good	733		37	733	34 SL3	DM	50	R 36 650	3 Low		R 0	R 0	R 0	R 0	R 36 650	
Langeberg	Bonnievale	10206004	Almeria (BV)_050	0.07	Braaf	Almeria CDS	5.2	Road - Paved - Flexible	4	2 - Good	375		46	375	39 AC25	DM	100	R 37 500	2 Medium		R 0	R 0	R 0	R 37 500	R 0	
Langeberg	Bonnievale	10206008	Forrest_050	0.18	Waterkant	Kort	7.2	Road - Paved - Flexible	4	3 - Fair	1286		30	1286	35 AC25	DM	100	R 128 600	2 Medium		R 0	R 0	R 128 600	R 0	R 0	
Langeberg	Bonnievale	10206008	Forrest_080	0.32	Gravel/Tar + 2300m	Kruin	5.8	Road - Paved - Flexible	4	3 - Fair	1845		42	1845	37 AC25	DM	100	R 184 500	2 Medium		R 0	R 0	R 0	R 184 500	R 0	
Langeberg	Bonnievale	10206008	Kerk (BV)_010	0.11	Van Zyl	Main	14	Road - Paved - Flexible	3	3 - Fair	1507		33	1507	35 AC25	Prov-DM 80-20	100	R 150 700	2 Medium		R 0	R 0	R 150 700	R 0	R 0	
Langeberg	Bonnievale	10206004	Keurboom (BV)_040	0.12	Protea	Protea	6.6	Road - Paved - Flexible	4	3 - Fair	809		39	809	38 AC25	DM	100	R 80 900	2 Medium		R 0	R 0	R 0	R 80 900	R 0	
Langeberg	Bonnievale	10206004	Milner Street_040	0.06	Hanepoort	Barlinka	9	Road - Paved - Flexible	4	2 - Good	556		31	556	36 AC25	DM	100	R 55 600	2 Medium		R 0	R 0	R 55 600	R 0	R 0	
Langeberg	Bonnievale	10206008	Muller (BV)_030	0.05	Kerk	Kerk	14	Road - Paved - Flexible	3	2 - Good	686		32	686	36 AC25	Prov-DM 80-20	100	R 68 600	2 Medium		R 0	R 0	R 68 600	R 0	R 0	
Langeberg	Bonnievale	10206004	Protea Avenue (BV)_010	0.19	Kelkiewyn	Roos	6.2	Road - Paved - Flexible	4	3 - Fair	1174		20	1174	37 AC25	DM	100	R 117 400	2 Medium		R 0	R 0	R 117 400	R 0	R 0	
Langeberg	Bonnievale	10206008	Vortrekker Street (BV)_020	0.12	Hoop	Rigg	14.4	Road - Paved - Flexible	3	3 - Fair	1650		36	1650	40 AC25	Prov-DM 80-20	100	R 165 000	2 Medium		R 0	R 0	R 0	R 165 000	R 0	
Langeberg	Bonnievale	10206008	Malherbe (BV)_010	0.87	Waterkant	Main	5.2	Road - Paved - Flexible	5	5 - Very Poor	4404		1	4404	0 BL	DM	270	R 1 189 080	1 High		R 1 189 080	R 0	R 0	R 0	R 0	R 0
Langeberg	Bonnievale	10206008	Road15 (BV)_010	0.06			6.4	Road - Paved - Flexible	5	3 - Fair	375		5	375	7 BL	DM	270	R 101 250	1 High		R 101 250	R 0	R 0	R 0	R 0	R 0
Langeberg	Bonnievale	10206008	Van Zyl (BV)_020	0.22	Kerk	Coetsee	10.2	Road - Paved - Flexible	5	3 - Fair	2247		36	2247	11 BL	DM	270	R 606 690	1 High		R 0	R 606 690	R 0	R 0	R 0	R 0
Langeberg	Bonnievale	10206008	Waterkant (BV)_050	0.55	Malherbe	Cul De Sac	6.2	Road - Paved - Flexible	5	5 - Very Poor	3465		0	3465	0 BL	DM	270	R 935 550	1 High		R 935 550	R 0	R 0	R 0	R 0	R 0
Langeberg	Bonnievale	10206004	Milner Street_080	0.07	Braaf	Almeria	9	Road - Paved - Flexible	5	2 - Good	628		33	628	18 BL	DM	270	R 169 560	2 Medium		R 0	R 0	R 169 560	R 0	R 0	
Langeberg	Bonnievale	10206004	Muskadel Street (BV)_010	0.11	Milners	Hanepoort Close 1	6.2	Road - Paved - Flexible	5	3 - Fair	678		37	678	19 BL	DM	270	R 183 060	2 Medium		R 0	R 0	R 0	R 183 060	R 0	
Langeberg	Bonnievale	10206008	Reitz (BV)_010	0.61	Forrest	Bester	6.2	Road - Paved - Flexible	5	5 - Very Poor	3817		27	3817	19 BL	DM	270	R 1 030 590	2 Medium		R 0	R 0	R 1 030 590	R 0	R 0	
Langeberg	Bonnievale	10206004	Sultana (BV)_020	0.08	Sultana Close	Milners	6.2	Road - Paved - Flexible	5	3 - Fair	475		36	475	19 BL	DM	270	R 128 250	2 Medium		R 0	R 0	R 0	R 128 250	R 0	
Langeberg	Bonnievale	10206004	Barlinka Avenue Close (BV)_010	0.04			6.4	Road - Paved - Flexible	5	2 - Good	280		14	280	42 DE2	DM	20	R 5 600	1 High		R 5 600	R 0	R 0	R 0	R 0	R 0
Langeberg	Bonnievale	10206004	Adendorf_010	0.14	New Cross	Frans	5.8	Road - Paved - Flexible	5	3 - Fair	822		35	822	48 DE2	DM	20	R 16 440	2 Medium		R 0	R 0	R 0	R 16 440	R 0	
Langeberg	Bonnievale	10206008	Akasia Avenue (BV)_010	0.27	Kruin 2	Buite Cres 1	8.8	Road - Paved - Flexible	5	3 - Fair	2384		30	2384	43 DE2	DM	20	R 47 680	2 Medium		R 0	R 0	R 47 680	R 0	R 0	
Langeberg	Bonnievale	10206008	Akasia Avenue (BV)_020	0.1	Buite Cres 1	Kruin	8.8	Road - Paved - Flexible	5	3 - Fair	907		38	907	55 DE2	DM	20	R 18 140	2 Medium		R 0	R 0	R 0	R 18 140	R 0	
Langeberg	Bonnievale	10206008	Akasia Avenue (BV)_030	0.11	Kruin	Karee	11.2	Road - Paved - Flexible	5	3 - Fair	1270		37	1270	45 DE2	DM	20	R 25 400	2 Medium		R 0	R 0	R 0	R 25 400	R 0	
Langeberg	Bonnievale	10206008	Akasia Avenue (BV)_040	0.26	Karee	Olien	11.2	Road - Paved - Flexible	5	3 - Fair	2856		39	2856	46 DE2	DM	20	R 57 120	2 Medium		R 0	R 0	R 0	R 57 120	R 0	
Langeberg	Bonnievale	10206004	Barlinka Avenue (BV)_020	0.14	Milners	Barlinka Close	5.8	Road - Paved - Flexible	5	3 - Fair	800		38	800	51 DE2	DM	20	R 16 000	2 Medium		R 0	R 0	R 0	R 16 000	R 0	
Langeberg	Bonnievale	10206004	Braaf_010	0.13	Almeria	Milners	4.5	Road - Paved - Flexible	5	3 - Fair	588		36	588	42 DE2	DM	20	R 11 760	2 Medium		R 0	R 0	R 0	R 11 760	R 0	
Langeberg	Bonnievale	10206004	Buitekant (BV)_020	0.15	Moos Snyman	Moos Snyman	6.2	Road - Paved - Flexible	5	2 - Good	927		39	927	54 DE2	DM	20	R 18 540	2 Medium		R 0	R 0	R 0	R 18 540	R 0	
Langeberg	Bonnievale	10206004	Domingo Street_010	0.13	Kelkiewyn	Cul De Sac	5	Road - Paved - Flexible	5	3 - Fair	625		38	625	56 DE2	DM	20	R 12 500	2 Medium		R 0	R 0	R 0	R 12 500	R 0	
Langeberg	Bonnievale	10206004	Hanepoort Street (BV)_010	0.06	Hanepoort Close 2	Kristal	6.2	Road - Paved - Flexible	5	2 - Good	380		39	380	49 DE2	DM	20	R 7 600	2 Medium		R 0	R 0	R 0	R 7 600	R 0	
Langeberg	Bonnievale	10206008	Hoop (BV)_020	0.11	Vortrekker	Cul De Sac	7.8	Road - Paved - Flexible	5	3 - Fair	845		36	845	43 DE2	DM	20	R 16 900	2 Medium		R 0	R 0	R 0	R 16 900	R 0	
Langeberg	Bonnievale	10206008	Karob Avenue_010	0.1	Akasia	Vortrekker	10.2	Road - Paved - Flexible	5	3 - Fair	999		34	999	43 DE2	DM	20	R 19 980	2 Medium		R 0	R 0	R 19 980	R 0	R 0	
Langeberg	Bonnievale	10206004	Louisiana_010	0.15	Louisiana Close	Main	6.2	Road - Paved - Flexible	5	3 - Fair	916		37	916	44 DE2	DM	20	R 18 320	2 Medium		R 0	R 0	R 0	R 18 320	R 0	
Langeberg	Bonnievale	10206004	Milner Street_030	0.06	Barlinka	Kristal	9	Road - Paved - Flexible	5	2 - Good	573		37	573	59 DE2	DM	20	R 11 460	2 Medium		R 0	R 0	R 0	R 11 460	R 0	
Langeberg	Bonnievale	10206008	Muller (BV)_010	0.07	Cul De Sac	Van der Merwe	14	Road - Paved - Flexible	5	3 - Fair	937		31	937	47 DE2	DM	20	R 18 740	2 Medium		R 0	R 0	R 18 740	R 0	R 0	
Langeberg	Bonnievale	10206008	Muller (BV)_040	0.07	Kerk	Cul De Sac	14	Road - Paved - Flexible	5	3 - Fair	1029		30	1029	52 DE2	DM	20	R 20 580	2 Medium		R 0	R 0	R 20 580	R 0	R 0	
Langeberg	Bonnievale	10206008	Myrtle Rigg Avenue_020	0.06	Forrest	Myrtle Rigg Close	6.2	Road - Paved - Flexible	5	2 - Good	355		39	355	52 DE2	DM	20	R 7 100	2 Medium		R 0	R 0	R 0	R 7 100	R 0	
Langeberg	Bonnievale	10206004	New Cross_060	0.14	Pietersen	Adendorf	8.6	Road - Paved - Flexible	5	3 - Fair	1180		36	1180	44 DE2	DM	20	R 23 600	2 Medium		R 0	R 0	R 0	R 23 600	R 0	
Langeberg	Bonnievale	10206004	New Cross_090	0.07	New Cross Close 2	Frans	8.6	Road - Paved - Flexible	5	2 - Good	592		37	592	52 DE2	DM	20	R 11 840	2 Medium		R 0	R 0	R 0	R 11 840	R 0	
Langeberg	Bonnievale	10206004	Pieteron Street_020	0.08	Lombard	New Cross	6.2	Road - Paved - Flexible	5	3 - Fair	486		38	486	51 DE2	DM	20	R 9 720	2 Medium		R 0	R 0	R 0	R 9 720	R 0	
Langeberg	Bonnievale	10206008	Tuin (BV)_010	0.1	Waterkant	Tuin Close	9.2	Road - Paved - Flexible	5	3 - Fair	933		39	933	41 DE2	DM	20	R 18 660	2 Medium		R 0	R 0	R 0	R 18 660	R 0	
Langeberg	Bonnievale	10206004	Viooltjie Cres_010	0.13	Kelkiewyn	Botterboom	6	Road - Paved - Flexible	5	3 - Fair	791		38	791	48 DE2	DM	20	R 15 820	2 Medium		R 0	R 0	R 0	R 15 820	R 0	
Langeberg	Bonnievale	10206004	Aarbeiboom_040	0.03	Road 6	Leeubeekkie	6	Road - Paved - Flexible	5	2 - Good	181		42	181	65 DE2	DM	20	R 3 620	3 Low		R 0	R 0	R 0	R 0	R 3 620	
Langeberg	Bonnievale	10206004	Barlinka Avenue (BV)_030	0.07	Barlinka Close	Kristal	5.8	Road - Paved - Flexible	5	2 - Good	388		46	388	67 DE2	DM	20	R 7 760	3 Low		R 0	R 0	R 0	R 0	R 7 760	
Langeberg	Bonnievale	10206004	Barlinka Avenue (BV)_040	0.04	Kristal	Cul De Sac	5.8	Road - Paved - Flexible	5	1 - Very Good	207		46	207	68 DE2	DM	20	R 4 140	3 Low		R 0	R 0	R 0	R 0	R 4 140	
Langeberg	Bonnievale	10206004	Besembos Avenue_010	0.15	Protea	Protea	6	Road - Paved - Flexible	5	2 - Good	910		42	910	55 DE2	DM	20	R 18 200	3 Low		R 0	R 0	R 0	R 0	R 18 200	
Langeberg	Bonnievale	10206004	Botterboom (BV)_010	0.16	Viooltjie Cres	Viooltjie Cres	6	Road - Paved - Flexible	5	2 - Good	965		43	965	49 DE2	DM	20	R 19 300	3 Low		R 0	R 0	R 0	R 0	R 19 300	
Langeberg	Bonnievale	10206004	Braaf (BV)_010	0.09			6.4	Road - Paved - Flexible	5	1 - Very Good	582		45	582	66 DE2	DM	20	R 11 640	3 Low		R 0	R 0	R 0	R 0	R 11 640	
Langeberg	Bonnievale	10206004	Geelhout Street (BV)_010	0.09	Leeubeekkie	Road 7	5.5	Road - Paved - Flexible	5	2 - Good	483		45	483	50 DE2	DM	20	R 9 660	3 Low		R 0	R 0	R 0	R 0	R 9 660	
Langeberg	Bonnievale	10206004	Geelhout Street (BV)_020	0.08	Road 7	Landbou	5.5	Road - Paved - Flexible	5	2 - Good	442		45	442	64 DE2	DM	20	R 8 840	3 Low		R 0	R 0	R 0	R 0	R 8 840	
Langeberg	Bonnievale	10206004	Geelhout Street (BV)_030	0.07	Landbou	Aarbeiboom	5.5	Road - Paved - Flexible	5	2 - Good	356		44	356	63 DE2	DM	20	R 7 120	3 Low		R 0	R 0	R 0	R 0	R 7 120	
Langeberg	Bonnievale	10206004	Hill Close_010	0.03	CDS West	Hill	5.6	Road - Paved - Flexible	5	2 - Good	140		41	140	59 DE2	DM	20	R 2 800	3 Low		R 0	R 0	R 0	R 0	R 2 800	
Langeberg	Bonnievale	10206004	Kristal_010	0.14	Milners	Barlinka	6.2	Road - Paved - Flexible	5	2 - Good	883		42	883	62 DE2	DM	20	R 17 660	3 Low		R 0	R 0	R 0	R 0	R 17 660	
Langeberg	Bonnievale	10206004	Kristal_020	0.07	Barlinka																					

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municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	gsn_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Bonnievale	10206004	Silwerboom_020	0.1	Leeubekkie	Silwerboom Close	6.2	Road - Paved - Flexible	5 3 - Fair		608		35	608	36 SL2	DM	40	R 24 320	3 Low		R 0	R 0	R 0	R 0	R 24 320
Langeberg	Bonnievale	10206004	Silwerboom_030	0.06	Silwerboom Close	Gousblom	6.2	Road - Paved - Flexible	5 3 - Fair		390		21	390	38 SL2	DM	40	R 15 600	3 Low		R 0	R 0	R 0	R 0	R 15 600
Langeberg	Bonnievale	10206008	Van Zyl (BV)_030	0.11	Cul De Sac	Kerk	10.2	Road - Paved - Flexible	5 2 - Good		1152		38	1152	36 SL2	DM	40	R 46 080	3 Low		R 0	R 0	R 0	R 0	R 46 080
Langeberg	Bonnievale	10206004	Wade_010	0.18	New Cross	New Cross	6.2	Road - Paved - Flexible	5 3 - Fair		1111		35	1111	38 SL2	DM	40	R 44 440	3 Low		R 0	R 0	R 0	R 0	R 44 440
Langeberg	Bonnievale	10206004	Angora_010	0.49	Main	Concrete Bridge	5	Road - Paved - Flexible	4 4 - Poor		2193		32	2193	28 SL3	DM	50	R 109 650	3 Low		R 0	R 0	R 0	R 0	R 109 650
Langeberg	Bonnievale	10206008	Bester_010	0.59	Reitz	Main	4.8	Road - Paved - Flexible	5 4 - Poor		2657		22	2657	22 SL3	DM	50	R 132 850	3 Low		R 0	R 0	R 0	R 0	R 132 850
Langeberg	Bonnievale	10206004	Braaf_020	0.21	Cul De Sac	Almeria	4.5	Road - Paved - Flexible	5 3 - Fair		943		29	943	26 SL3	DM	50	R 47 150	3 Low		R 0	R 0	R 0	R 0	R 47 150
Langeberg	Bonnievale	10206004	Buitekant (BV)_030	0.38	Moos Snyman	New Cross	6.2	Road - Paved - Flexible	5 3 - Fair		2363		35	2363	29 SL3	DM	50	R 118 150	3 Low		R 0	R 0	R 0	R 0	R 118 150
Langeberg	Bonnievale	10206004	Frans Avenue_040	0.08	Pieterse	Adendorff	5.8	Road - Paved - Flexible	5 3 - Fair		464		49	464	23 SL3	DM	50	R 23 200	3 Low		R 0	R 0	R 0	R 0	R 23 200
Langeberg	Bonnievale	10206004	Frans Avenue_050	0.12	Adendorff	Barlinka	5.8	Road - Paved - Flexible	5 4 - Poor		679		27	679	29 SL3	DM	50	R 33 950	3 Low		R 0	R 0	R 0	R 0	R 33 950
Langeberg	Bonnievale	10206004	Hanepoot Close_010	0.07	Hanepoot	Cul De Sac	5.4	Road - Paved - Flexible	5 3 - Fair		377		29	377	34 SL3	DM	50	R 18 850	3 Low		R 0	R 0	R 0	R 0	R 18 850
Langeberg	Bonnievale	10206004	Hanepoot Street (BV)_020	0.3	Kristal	Hanepoot Close 3	6.2	Road - Paved - Flexible	5 4 - Poor		1870		16	1870	20 SL3	DM	50	R 93 500	3 Low		R 0	R 0	R 0	R 0	R 93 500
Langeberg	Bonnievale	10206004	Hill_010	0.08	Hill A	Kloof	5.6	Road - Paved - Flexible	5 3 - Fair		467		27	467	31 SL3	DM	50	R 23 350	3 Low		R 0	R 0	R 0	R 0	R 23 350
Langeberg	Bonnievale	10206004	Hill_020	0.07	CDS North	Hill A	5.6	Road - Paved - Flexible	5 3 - Fair		411		38	411	33 SL3	DM	50	R 20 550	3 Low		R 0	R 0	R 0	R 0	R 20 550
Langeberg	Bonnievale	10206008	Keerom (BV)_010	0.05	Forrest	Cul De Sac	7.8	Road - Paved - Flexible	5 3 - Fair		374		42	374	23 SL3	DM	50	R 18 750	3 Low		R 0	R 0	R 0	R 0	R 18 750
Langeberg	Bonnievale	10206004	Kloof (BV)_010	0.15	Hill	Rock	5.2	Road - Paved - Flexible	5 3 - Fair		797		35	797	23 SL3	DM	50	R 39 850	3 Low		R 0	R 0	R 0	R 0	R 39 850
Langeberg	Bonnievale	10206004	Kloof (BV)_020	0.19	Cul De Sac	Hill	5.2	Road - Paved - Flexible	5 3 - Fair		984		34	984	30 SL3	DM	50	R 49 200	3 Low		R 0	R 0	R 0	R 0	R 49 200
Langeberg	Bonnievale	10206008	Kruin Crescent_020	0.11	Kruin 4	Kruin 1	8.8	Road - Paved - Flexible	5 3 - Fair		962		34	962	33 SL3	DM	50	R 48 100	3 Low		R 0	R 0	R 0	R 0	R 48 100
Langeberg	Bonnievale	10206004	Lombaard_010	0.17	Almeria	Pieterse	6	Road - Paved - Flexible	5 3 - Fair		998		34	998	22 SL3	DM	50	R 49 900	3 Low		R 0	R 0	R 0	R 0	R 49 900
Langeberg	Bonnievale	10206004	Milner Street_090	0.11	Cul De Sac	Braaf	9	Road - Paved - Flexible	5 2 - Good		991		27	991	31 SL3	DM	50	R 49 550	3 Low		R 0	R 0	R 0	R 0	R 49 550
Langeberg	Bonnievale	10206004	Muskadel Street (BV)_020	0.16	Hanepoot Close 1	Hanepoot Close 2	4.8	Road - Paved - Flexible	5 3 - Fair		747		30	747	32 SL3	DM	50	R 37 350	3 Low		R 0	R 0	R 0	R 0	R 37 350
Langeberg	Bonnievale	10206008	Myrtle Rigg Avenue S_010	0.06	Myrtle Rigg	Cul De Sac	6.2	Road - Paved - Flexible	5 3 - Fair		399		28	399	33 SL3	DM	50	R 19 950	3 Low		R 0	R 0	R 0	R 0	R 19 950
Langeberg	Bonnievale	10206004	New Cross Street_030	0.08	New Cross	Tar/Gravel	4.4	Road - Paved - Flexible	5 2 - Good		346		33	346	30 SL3	DM	50	R 17 300	3 Low		R 0	R 0	R 0	R 0	R 17 300
Langeberg	Bonnievale	10206004	New Cross_020	0.08	New Cross Close 1	Almeria	8.6	Road - Paved - Flexible	5 2 - Good		659		37	659	33 SL3	DM	50	R 32 950	3 Low		R 0	R 0	R 0	R 0	R 32 950
Langeberg	Bonnievale	10206004	New Cross_050	0.07	Wade	Pieterse	8.6	Road - Paved - Flexible	5 3 - Fair		578		29	578	32 SL3	DM	50	R 28 900	3 Low		R 0	R 0	R 0	R 0	R 28 900
Langeberg	Bonnievale	10206004	New Cross_100	0.06	Frans	Sultana	8.6	Road - Paved - Flexible	5 2 - Good		528		39	528	32 SL3	DM	50	R 26 400	3 Low		R 0	R 0	R 0	R 0	R 26 400
Langeberg	Bonnievale	10206004	Pieterse Street_010	0.07	Moos Snyman	Lombard	6.2	Road - Paved - Flexible	5 3 - Fair		461		34	461	30 SL3	DM	50	R 23 050	3 Low		R 0	R 0	R 0	R 0	R 23 050
Langeberg	Bonnievale	10206004	Pieterse Street_030	0.11	New Cross	Frans	6.2	Road - Paved - Flexible	5 3 - Fair		660		26	660	28 SL3	DM	50	R 33 000	3 Low		R 0	R 0	R 0	R 0	R 33 000
Langeberg	Bonnievale	10206004	Ross (BV)_030	0.09	Protea	Leeubekkie	4.8	Road - Paved - Flexible	5 3 - Fair		449		35	449	30 SL3	DM	50	R 22 450	3 Low		R 0	R 0	R 0	R 0	R 22 450
Langeberg	Bonnievale	10206004	Silwerboom_040	0.24	Gousblom	Kelkiewyn	6.2	Road - Paved - Flexible	5 3 - Fair		1512		26	1512	26 SL3	DM	50	R 75 600	3 Low		R 0	R 0	R 0	R 0	R 75 600
Langeberg	Bonnievale	10206004	Snyman_010	0.17	Buitekant	Pieterse	6.2	Road - Paved - Flexible	5 3 - Fair		1036		28	1036	26 SL3	DM	50	R 51 800	3 Low		R 0	R 0	R 0	R 0	R 51 800
Langeberg	Bonnievale	10206004	Snyman_020	0.11	Pieterse	Buitekant	6.2	Road - Paved - Flexible	5 3 - Fair		672		34	672	30 SL3	DM	50	R 33 600	3 Low		R 0	R 0	R 0	R 0	R 33 600
Langeberg	Bonnievale	10206008	Van Zyl (BV)_010	0.18	Coetzee	Forrest	10.2	Road - Paved - Flexible	5 3 - Fair		1831		25	1831	26 SL3	DM	50	R 91 550	3 Low		R 0	R 0	R 0	R 0	R 91 550
Langeberg	Mc Gregor	10206005	Long (MG)_090	0.1	Barry	Loop	6	Road - Paved - Flexible	5 4 - Poor		573		13	573	3 BL	DM	270	R 154 710	1 High	R 154 710		R 0	R 0	R 0	R 0
Langeberg	Mc Gregor	10206005	Long (MG)_110	0.12	Keerom	McGregor 2	6	Road - Paved - Flexible	5 3 - Fair		689		35	689	11 BL	DM	270	R 186 030	1 High		R 0	R 186 030		R 0	R 0
Langeberg	Mc Gregor	10206005	Long (MG)_120	0.18	Lady Grey	Keerom	6	Road - Paved - Flexible	5 3 - Fair		1106		32	1106	6 BL	DM	270	R 298 620	1 High	R 0	R 298 620		R 0	R 0	R 0
Langeberg	Mc Gregor	10206005	Buitekant (MG)_030	0.03	Keerom	Barry	6	Road - Paved - Flexible	5 2 - Good		188		38	188	18 BL	DM	270	R 50 760	2 Medium		R 0	R 0		R 0	R 50 760
Langeberg	Mc Gregor	10206005	Long (MG)_070	0.19	Office	Tindall	6	Road - Paved - Flexible	5 4 - Poor		1119		21	1119	17 BL	DM	270	R 302 130	2 Medium		R 0	R 0	R 302 130		R 0
Langeberg	Mc Gregor	10206005	Long (MG)_080	0.1	Loop	Office	6	Road - Paved - Flexible	5 3 - Fair		577		28	577	16 BL	DM	270	R 155 790	2 Medium		R 0	R 0	R 155 790		R 0
Langeberg	Mc Gregor	10206005	Keerom (MG)_040	0.1	Buitekant	Lady Grey	6	Road - Paved - Flexible	5 3 - Fair		587		38	587	58 DE2	DM	20	R 11 740	2 Medium		R 0	R 0		R 0	R 11 740
Langeberg	Mc Gregor	10206005	Kerk Street (MG)_030	0.16	Mill	Voortrekker	6	Road - Paved - Flexible	5 2 - Good		986		39	986	54 DE2	DM	20	R 19 720	2 Medium		R 0	R 0		R 0	R 19 720
Langeberg	Mc Gregor	10206005	Long (MG)_130	0.05	Voortrekker	Lady Grey	6	Road - Paved - Flexible	5 3 - Fair		310		37	310	51 DE2	DM	20	R 6 200	2 Medium		R 0	R 0		R 0	R 6 200
Langeberg	Mc Gregor	10206005	Meul (MG)_080	0.1	Office	Loop	6	Road - Paved - Flexible	5 2 - Good		583		37	583	43 DE2	DM	20	R 11 660	2 Medium		R 0	R 0		R 0	R 11 660
Langeberg	Mc Gregor	10206005	Pietman Visser_010	0.12	Willie Meyer	Buitekant	6	Road - Paved - Flexible	5 3 - Fair		732		37	732	50 DE2	DM	20	R 14 640	2 Medium		R 0	R 0		R 0	R 14 640
Langeberg	Mc Gregor	10206005	Van Niekerk (MG)_010	0.13	Willie Meyer	Willie Meyer	6	Road - Paved - Flexible	5 3 - Fair		787		38	787	51 DE2	DM	20	R 15 740	2 Medium		R 0	R 0		R 0	R 15 740
Langeberg	Mc Gregor	10206005	Barry (MG)_010	0.17	Mill	Voortrekker	6	Road - Paved - Flexible	5 2 - Good		988		43	988	52 DE2	DM	20	R 19 760	3 Low		R 0	R 0		R 0	R 19 760
Langeberg	Mc Gregor	10206005	Buitekant (MG)_010	0.07	Keerom	Barry	6	Road - Paved - Flexible	5 2 - Good		400		45	400	62 DE2	DM	20	R 8 000	3 Low		R 0	R 0		R 0	R 8 000
Langeberg	Mc Gregor	10206005	Buitekant (MG)_040	0.07	Keerom	Barry	6	Road - Paved - Flexible	5 2 - Good		422		48	422	56 DE2	DM	20	R 8 440	3 Low		R 0	R 0		R 0	R 8 440
Langeberg	Mc Gregor	10206005	Buitekant (MG)_050	0.09	Barry	Loop	6	Road - Paved - Flexible	5 1 - Very Good		553		48	553	71 DE2	DM	20	R 11 060	3 Low		R 0	R 0		R 0	R 11 060
Langeberg	Mc Gregor	10206005	Buitekant (MG)_080	0.14	Piet Visser	Tindall	6	Road - Paved - Flexible	5 2 - Good		839		45	839	53 DE2	DM	20	R 16 780	3 Low		R 0	R 0		R 0	R 16 780
Langeberg	Mc Gregor	10206005	Buitekant (MG)_090	0.06	Tindall	Hartzenberg	6	Road - Paved - Flexible	5 2 - Good		347		43	347	58 DE2	DM	20	R 6 940	3 Low		R 0	R 0		R 0	R 6 940
Langeberg	Mc Gregor	10206005	Buitekant (MG)_100	0.12	Hartzenberg	Church	6	Road - Paved - Flexible	5 2 - Good		736		45	736	52 DE2	DM	20	R 14 720	3 Low		R 0	R 0		R 0	R 14 720
Langeberg	Mc Gregor	10206005	Eerste Laan (MG)_010	0.1	Long	Cul De Sac	6	Road - Paved - Flexible	5 2 - Good		607		44	607	67 DE2	DM	20	R 12 140	3 Low		R 0	R 0		R 0	R 12 140
Langeberg	Mc Gregor	10206005	Grey (MG)_010	0.19	Keerom	Tar/Gravel	6	Road - Paved - Flexible	5 2 - Good		1115		49	1115	69 DE2	DM	20	R 22 300	3 Low		R 0	R 0		R 0	R 22 300
Langeberg	Mc Gregor	10206005	Kantoor Street_030	0.17	Long	Voortrekker	6	Road - Paved - Flexible	5 2 - Good		1013		40	1013	55 DE2	DM	20	R 20 260	3 Low		R 0	R 0		R 0	R 20 260
Langeberg	Mc Gregor	10206005	Keerom (MG)_010	0.08	Piet October	Voortrekker	6	Road - Paved - Flexible	5 1 - Very Good		468		48	468	69 DE2	DM	20	R 9 360	3 Low		R 0	R 0		R 0	R 9 360
Langeberg	Mc Gregor	10206005	Keerom (MG)_020	0.09	Long	Piet October	6	Road - Paved - Flexible	5 2 - Good		522		45	522	63 DE2	DM	20	R 10 440	3 Low		R 0	R 0		R 0	R 1

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	ren_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Montagu	10206007	Mark (MT)_070	0.08	Union	Buitekant	10	Road - Paved - Flexible	5	3 - Fair	791	19	791	17	BL	DM	270	R 213 570	2 Medium	R 0	R 0	R 213 570	R 0	R 0	
Langeberg	Montagu	10206007	Ranonkel (MT)_020	0.23	Protea	Angelier	8	Road - Paved - Flexible	5	3 - Fair	1862	19	1862	16	BL	DM	270	R 502 740	2 Medium	R 0	R 0	R 502 740	R 0	R 0	
Langeberg	Montagu	10206012	Waboom (MT)_010	0.09	Akasia	Waboom	6	Road - Paved - Flexible	5	2 - Good	560	25	560	19	BL	DM	270	R 151 200	2 Medium	R 0	R 0	R 151 200	R 0	R 0	
Langeberg	Montagu	10206007	Angelier (MT)_010	0.04	Cul De Sac	Protea	8	Road - Paved - Flexible	5	2 - Good	284	23	284	58	DE2	DM	20	R 5 680	1 High	R 5 680	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Angelier (MT)_040	0.03	Aster	Prov Road	8	Road - Paved - Flexible	5	2 - Good	275	25	275	53	DE2	DM	20	R 5 500	1 High	R 0	R 5 500	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Aster (MT)_010	0.05	Cul De Sac	Angelier	8	Road - Paved - Flexible	5	2 - Good	375	21	375	58	DE2	DM	20	R 7 500	1 High	R 7 500	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Aster (MT)_030	0.26	Dahlia	Protea	8	Road - Paved - Flexible	5	3 - Fair	2109	18	2109	47	DE2	DM	20	R 42 180	1 High	R 42 180	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Berglaan (MT)_010	0.07	Kort	Cul De Sac	7	Road - Paved - Flexible	5	2 - Good	499	25	499	61	DE2	DM	20	R 9 980	1 High	R 0	R 9 980	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Burger_010	0.07	Uitvlucht	Wessels	8	Road - Paved - Flexible	5	3 - Fair	583	24	583	55	DE2	DM	20	R 11 660	1 High	R 11 660	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Castle_010	0.1	Muller	Badskop Cres	8	Road - Paved - Flexible	5	3 - Fair	812	23	812	54	DE2	DM	20	R 16 240	1 High	R 16 240	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Dahlia (MT)_010	0.09	Protea	Aster	8	Road - Paved - Flexible	5	2 - Good	712	19	712	43	DE2	DM	20	R 14 240	1 High	R 14 240	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206011	Ebden_010	0.2	Prov Road	Cul De Sac	6	Road - Paved - Flexible	5	2 - Good	1174	18	1174	55	DE2	DM	20	R 23 480	1 High	R 23 480	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Fouche_010	0.09	Uitvlucht	Wessels	8	Road - Paved - Flexible	5	2 - Good	735	27	735	57	DE2	DM	20	R 14 700	1 High	R 0	R 14 700	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Kiesie_010	0.06	Krom	Tanner	7	Road - Paved - Flexible	5	2 - Good	416	28	416	59	DE2	DM	20	R 8 320	1 High	R 0	R 8 320	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Muller (MT)_020	0.04	Castle	Cul De Sac	8	Road - Paved - Flexible	5	3 - Fair	329	24	329	55	DE2	DM	20	R 6 580	1 High	R 6 580	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Ranonkel (MT)_010	0.04	Angelier	Cul De Sac	8	Road - Paved - Flexible	5	2 - Good	336	22	336	58	DE2	DM	20	R 6 720	1 High	R 6 720	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Stuart_010	0.08	Montagu 7	Montagu 8	6	Road - Paved - Flexible	5	2 - Good	506	15	506	49	DE2	DM	20	R 10 120	1 High	R 10 120	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Van Turha_010	0.09	Cupido	Montagu 8	5.5	Road - Paved - Flexible	5	3 - Fair	472	26	472	50	DE2	DM	20	R 9 440	1 High	R 0	R 9 440	R 0	R 0	R 0	
Langeberg	Montagu	10206012	Waboom (MT)_020	0.07	Olyfboom	Waboom	11.7	Road - Paved - Flexible	5	2 - Good	767	24	767	53	DE2	DM	20	R 15 340	1 High	R 15 340	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Wessels_010	0.1	Uitvlucht	Phillips	8	Road - Paved - Flexible	5	3 - Fair	801	21	801	50	DE2	DM	20	R 16 020	1 High	R 16 020	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Wessels_020	0.09	Phillips	Fouche	8	Road - Paved - Flexible	5	3 - Fair	689	23	689	55	DE2	DM	20	R 13 780	1 High	R 13 780	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Wessels_030	0.15	Fouche	Burger	8	Road - Paved - Flexible	5	3 - Fair	1176	24	1176	54	DE2	DM	20	R 23 520	1 High	R 23 520	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206007	Wessels_040	0.12	Burger	Castle	8	Road - Paved - Flexible	5	3 - Fair	958	22	958	54	DE2	DM	20	R 19 160	1 High	R 19 160	R 0	R 0	R 0	R 0	
Langeberg	Montagu	10206012	Akasia (MT)_010	0.12	Eike	Waboom	6	Road - Paved - Flexible	5	3 - Fair	723	35	723	43	DE2	DM	20	R 14 460	2 Medium	R 0	R 0	R 0	R 14 460	R 0	
Langeberg	Montagu	10206007	Amandel (MT)_010	0.17	Keerom	Loop	7	Road - Paved - Flexible	5	3 - Fair	1193	37	1193	55	DE2	DM	20	R 23 860	2 Medium	R 0	R 0	R 0	R 0	R 23 860	R 0
Langeberg	Montagu	10206007	Amandel (MT)_020	0.1	Loop	Cul De Sac	7	Road - Paved - Flexible	5	3 - Fair	670	37	670	53	DE2	DM	20	R 13 400	2 Medium	R 0	R 0	R 0	R 0	R 13 400	R 0
Langeberg	Montagu	10206007	Andries_020	0.07	Johnson	Africa	5.7	Road - Paved - Flexible	5	2 - Good	371	39	371	52	DE2	DM	20	R 7 420	2 Medium	R 0	R 0	R 0	R 0	R 7 420	R 0
Langeberg	Montagu	10206007	Banie_040	0.04	Fluks	Buitekant	8	Road - Paved - Flexible	5	2 - Good	278	37	278	51	DE2	DM	20	R 5 560	2 Medium	R 0	R 0	R 0	R 0	R 5 560	R 0
Langeberg	Montagu	10206007	Barry (MT)_040	0.24	Bath	Lang	8.7	Road - Paved - Flexible	5	2 - Good	2127	39	2127	51	DE2	DM	20	R 42 540	2 Medium	R 0	R 0	R 0	R 0	R 42 540	R 0
Langeberg	Montagu	10206007	Bell (MT)_010	0.06	Barry	Cul De Sac	8	Road - Paved - Flexible	5	3 - Fair	500	30	500	44	DE2	DM	20	R 10 000	2 Medium	R 0	R 0	R 10 000	R 0	R 0	R 0
Langeberg	Montagu	10206007	Berg Street (MT)_020	0.09	Grey	Mount Cl 1	6.5	Road - Paved - Flexible	5	3 - Fair	585	35	585	57	DE2	DM	20	R 11 700	2 Medium	R 0	R 0	R 0	R 0	R 11 700	R 0
Langeberg	Montagu	10206007	Bloem_010	0.05	Kruin Cres	Le Roux	11	Road - Paved - Flexible	5	2 - Good	593	39	593	57	DE2	DM	20	R 11 860	2 Medium	R 0	R 0	R 0	R 0	R 11 860	R 0
Langeberg	Montagu	10206007	Bloem_020	0.08	Le Roux	Joubert	11	Road - Paved - Flexible	5	3 - Fair	915	38	915	52	DE2	DM	20	R 18 300	2 Medium	R 0	R 0	R 0	R 0	R 18 300	R 0
Langeberg	Montagu	10206007	Bloem_030	0.08	Joubert	Piet Retief	11	Road - Paved - Flexible	5	3 - Fair	897	37	897	51	DE2	DM	20	R 17 940	2 Medium	R 0	R 0	R 0	R 0	R 17 940	R 0
Langeberg	Montagu	10206007	Bree_010	0.13	Linvelt	Grave	7	Road - Paved - Flexible	5	2 - Good	881	38	881	63	DE2	DM	20	R 17 620	2 Medium	R 0	R 0	R 0	R 0	R 17 620	R 0
Langeberg	Montagu	10206011	Cogmans Close_020	0.03	Montagu 1	Cul De Sac	5.9	Road - Paved - Flexible	5	1 - Very Good	194	39	194	66	DE2	DM	20	R 3 880	2 Medium	R 0	R 0	R 0	R 0	R 3 880	R 0
Langeberg	Montagu	10206007	Cross_020	0.09	Le Roux	Joubert	10	Road - Paved - Flexible	5	3 - Fair	917	34	917	42	DE2	DM	20	R 18 340	2 Medium	R 0	R 0	R 18 340	R 0	R 0	R 0
Langeberg	Montagu	10206007	Diener_010	0.06	Knipes Hope	Polisie Stasie	6	Road - Paved - Flexible	5	3 - Fair	374	37	374	51	DE2	DM	20	R 7 480	2 Medium	R 0	R 0	R 0	R 0	R 7 480	R 0
Langeberg	Montagu	10206007	Du Preez_050	0.11	Anderson	Felix	6	Road - Paved - Flexible	5	2 - Good	657	34	657	52	DE2	DM	20	R 13 140	2 Medium	R 0	R 0	R 13 140	R 0	R 0	R 0
Langeberg	Montagu	10206007	Du Preez_060	0.11	Felix	Sacca	6	Road - Paved - Flexible	5	2 - Good	678	39	678	55	DE2	DM	20	R 13 560	2 Medium	R 0	R 0	R 0	R 0	R 13 560	R 0
Langeberg	Montagu	10206011	Eysen_010	0.09	Hospital	Rossouw	8.6	Road - Paved - Flexible	5	3 - Fair	799	38	799	55	DE2	DM	20	R 15 980	2 Medium	R 0	R 0	R 0	R 0	R 15 980	R 0
Langeberg	Montagu	10206007	Fluks_030	0.02	Boesak	Cul De Sac	5.5	Road - Paved - Flexible	5	2 - Good	123	35	123	59	DE2	DM	20	R 2 460	2 Medium	R 0	R 0	R 0	R 0	R 2 460	R 0
Langeberg	Montagu	10206012	Geelhout (MT)_010	0.18	Sitrus	Seder	5.2	Road - Paved - Flexible	5	3 - Fair	948	38	948	50	DE2	DM	20	R 18 960	2 Medium	R 0	R 0	R 0	R 0	R 18 960	R 0
Langeberg	Montagu	10206007	Graaf Street_020	0.09	Keerom	Bree	7.7	Road - Paved - Flexible	5	3 - Fair	673	34	673	52	DE2	DM	20	R 13 460	2 Medium	R 0	R 0	R 13 460	R 0	R 0	R 0
Langeberg	Montagu	10206007	Graaf Street_030	0.07	Bree	Loop	7.7	Road - Paved - Flexible	5	2 - Good	572	37	572	63	DE2	DM	20	R 11 440	2 Medium	R 0	R 0	R 0	R 0	R 11 440	R 0
Langeberg	Montagu	10206007	Graaf Street_050	0.02	Krom	Kort	7.7	Road - Paved - Flexible	5	3 - Fair	183	35	183	44	DE2	DM	20	R 3 660	2 Medium	R 0	R 0	R 0	R 0	R 3 660	R 0
Langeberg	Montagu	10206011	Hofmeyer Street_010	0.08	Cul De Sac	Kerk	8.5	Road - Paved - Flexible	5	3 - Fair	680	37	680	48	DE2	DM	20	R 13 600	2 Medium	R 0	R 0	R 0	R 0	R 13 600	R 0
Langeberg	Montagu	10206011	Hofmeyer Street_030	0.12	De Kock	Swanepoel	8.5	Road - Paved - Flexible	5	2 - Good	983	39	983	52	DE2	DM	20	R 19 660	2 Medium	R 0	R 0	R 0	R 0	R 19 660	R 0
Langeberg	Montagu	10206011	Hofmeyer Street_040	0.31	Swanepoel	Brink	8.5	Road - Paved - Flexible	5	3 - Fair	2601	36	2601	48	DE2	DM	20	R 52 020	2 Medium	R 0	R 0	R 0	R 0	R 52 020	R 0
Langeberg	Montagu	10206011	Hospital W (MT)_020	0.09	Kerk	De Kock	8.6	Road - Paved - Flexible	5	3 - Fair	756	31	756	50	DE2	DM	20	R 15 120	2 Medium	R 0	R 0	R 15 120	R 0	R 0	R 0
Langeberg	Montagu	10206011	Hospital W (MT)_030	0.12	De Kock	Swanepoel	8.6	Road - Paved - Flexible	5	3 - Fair	997	31	997	50	DE2	DM	20	R 19 940	2 Medium	R 0	R 0	R 0	R 0	R 19 940	R 0
Langeberg	Montagu	10206011	Hospital W (MT)_040	0.16	Swanepoel	Cul De Sac	8.6	Road - Paved - Flexible	5	3 - Fair	1368	31	1368	55	DE2	DM	20	R 27 360	2 Medium	R 0	R 0	R 0	R 0	R 27 360	R 0
Langeberg	Montagu	10206007	Ismael (MT)_010	0.04	Buitekant	Pekeur	6	Road - Paved - Flexible	5	2 - Good	210	39	210	58	DE2	DM	20	R 4 200	2 Medium	R 0	R 0	R 0	R 0	R 4 200	R 0
Langeberg	Montagu	10206007	Ismael (MT)_020	0.06	Pekeur	Saunders	6	Road - Paved - Flexible	5	2 - Good	378	39	378	52	DE2	DM	20	R 7 560	2 Medium	R 0	R 0	R 0	R 0	R 7 560	R 0
Langeberg	Montagu	10206012	Jakaranda (MT)_020	0.07	Palm	Eike	6	Road - Paved - Flexible	5	3 - Fair	407	37	407	49	DE2	DM	20	R 8 140	2 Medium	R 0	R 0	R 0	R 0	R 8 140	R 0
Langeberg	Montagu	10206007	Januarie (MT)_010	0.07	Gotham	Saunders	5.6	Road - Paved - Flexible	5	2 - Good	381	33	381	51	DE2	DM	20	R 7 620	2 Medium	R 0	R 0	R 7 620	R 0	R 0	R 0
Langeberg	Montagu	10206007	Johnson (MT)_010	0.15	Andries	Wilhelm Thys	5.7	Road - Paved - Flexible	5	2 - Good	866	39	866	52	DE2	DM	20	R 17 320	2 Medium	R 0	R 0	R 0	R 0	R 17 320	R 0
Langeberg	Montagu	10206007	Keerom (MT)_010	0.12	Grave	Linvelt	7.7	Road - Paved - Flexible																	

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	gen_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Montagu	10206012	Bloekom (MT)_010	0.06	Eike	Mimosa	6	Road - Paved - Flexible	5	2 - Good	353		40	353	55 DE2	DM	20	R 7 060	3 Low		R 0	R 0	R 0	R 0	R 7 060
Langeberg	Montagu	10206007	Bloem SB_010	0.08	Piet Retief	Bath	6	Road - Paved - Flexible	5	3 - Fair	484		42	484	63 DE2	DM	20	R 9 680	3 Low		R 0	R 0	R 0	R 0	R 9 680
Langeberg	Montagu	10206011	Bloupunt_010	0.06	Swanepoel	Cogmans Close	5.9	Road - Paved - Flexible	5	2 - Good	344		44	344	59 DE2	DM	20	R 6 880	3 Low		R 0	R 0	R 0	R 0	R 6 880
Langeberg	Montagu	10206007	Cinsaut Street (MT)_010	0.14	Muskadel	Barlinka	6.5	Road - Paved - Flexible	5	2 - Good	906		42	906	51 DE2	DM	20	R 18 120	3 Low		R 0	R 0	R 0	R 0	R 18 120
Langeberg	Montagu	10206007	Cupido (MT)_040	0.03	Stuart	Du Preez	6	Road - Paved - Flexible	5	2 - Good	192		42	192	65 DE2	DM	20	R 3 840	3 Low		R 0	R 0	R 0	R 0	R 3 840
Langeberg	Montagu	10206007	Du Preez_010	0.07	Ismael	Anderson	6	Road - Paved - Flexible	5	2 - Good	445		40	445	52 DE2	DM	20	R 8 900	3 Low		R 0	R 0	R 0	R 0	R 8 900
Langeberg	Montagu	10206007	Du Preez_020	0.04	Anderson	Montagu 8	6	Road - Paved - Flexible	5	2 - Good	255		43	255	58 DE2	DM	20	R 5 100	3 Low		R 0	R 0	R 0	R 0	R 5 100
Langeberg	Montagu	10206007	Du Preez_030	0.09	Montagu 8	Cupido	6	Road - Paved - Flexible	5	2 - Good	516		40	516	50 DE2	DM	20	R 10 320	3 Low		R 0	R 0	R 0	R 0	R 10 320
Langeberg	Montagu	10206011	Eyssen_020	0.18	Rossouw	Thomson	8.6	Road - Paved - Flexible	5	2 - Good	1508		42	1508	63 DE2	DM	20	R 30 160	3 Low		R 0	R 0	R 0	R 0	R 30 160
Langeberg	Montagu	10206011	Eyssen_030	0.1	Thomson	Van Riebeeck	8.6	Road - Paved - Flexible	5	2 - Good	827		41	827	51 DE2	DM	20	R 16 540	3 Low		R 0	R 0	R 0	R 0	R 16 540
Langeberg	Montagu	10206007	Felix_020	0.06	Pokwas	Du Preez	6	Road - Paved - Flexible	5	2 - Good	384		42	384	65 DE2	DM	20	R 7 680	3 Low		R 0	R 0	R 0	R 0	R 7 680
Langeberg	Montagu	10206007	Goetham_010	0.18	Stevens	Januarie	5.6	Road - Paved - Flexible	5	2 - Good	1016		42	1016	56 DE2	DM	20	R 20 320	3 Low		R 0	R 0	R 0	R 0	R 20 320
Langeberg	Montagu	10206007	Goetham_020	0.12	Januarie	Ismael	5.6	Road - Paved - Flexible	5	2 - Good	694		41	694	49 DE2	DM	20	R 13 880	3 Low		R 0	R 0	R 0	R 0	R 13 880
Langeberg	Montagu	10206007	Goetham_030	0.13	Ismael	Titus	5.6	Road - Paved - Flexible	5	2 - Good	719		44	719	64 DE2	DM	20	R 14 380	3 Low		R 0	R 0	R 0	R 0	R 14 380
Langeberg	Montagu	10206007	Goetham_050	0.06	Lekay	Banie	5.6	Road - Paved - Flexible	5	2 - Good	316		44	316	68 DE2	DM	20	R 6 320	3 Low		R 0	R 0	R 0	R 0	R 6 320
Langeberg	Montagu	10206007	Graaf Street_010	0.07	Tanner	Keerom	7.7	Road - Paved - Flexible	5	2 - Good	512		41	512	47 DE2	DM	20	R 10 240	3 Low		R 0	R 0	R 0	R 0	R 10 240
Langeberg	Montagu	10206012	Hibuscus (MT)_010	0.17	Seder	Sitrus	5.2	Road - Paved - Flexible	5	2 - Good	873		43	873	64 DE2	DM	20	R 17 460	3 Low		R 0	R 0	R 0	R 0	R 17 460
Langeberg	Montagu	10206011	Hofmeyer Street_020	0.08	Kerk	De Kock	8.5	Road - Paved - Flexible	5	2 - Good	716		43	716	64 DE2	DM	20	R 14 320	3 Low		R 0	R 0	R 0	R 0	R 14 320
Langeberg	Montagu	10206011	Hofmeyer Street_050	0.05	Brink	Cul De Sac	8.6	Road - Paved - Flexible	5	1 - Very Good	413		47	413	70 DE2	DM	20	R 8 280	3 Low		R 0	R 0	R 0	R 0	R 8 280
Langeberg	Montagu	10206011	Hospitaal (MT)_010	0.18	Van Huysteen	Exssen	8.6	Road - Paved - Flexible	5	2 - Good	1576		41	1576	59 DE2	DM	20	R 31 520	3 Low		R 0	R 0	R 0	R 0	R 31 520
Langeberg	Montagu	10206007	Ismael (MT)_060	0.02	Klassen	Strydom	6	Road - Paved - Flexible	5	1 - Very Good	144		49	144	69 DE2	DM	20	R 2 880	3 Low		R 0	R 0	R 0	R 0	R 2 880
Langeberg	Montagu	10206012	Karmadip Street cds_010	0.01	Road 3	Cul De Sac	5.2	Road - Paved - Flexible	5	1 - Very Good	71		49	71	70 DE2	DM	20	R 1 420	3 Low		R 0	R 0	R 0	R 0	R 1 420
Langeberg	Montagu	10206012	Karmadip Street_010	0.17	Road 1	Road 3	5.2	Road - Paved - Flexible	5	2 - Good	881		46	881	68 DE2	DM	20	R 17 620	3 Low		R 0	R 0	R 0	R 0	R 17 620
Langeberg	Montagu	10206012	Karmadip Street_020	0.06	Road 1	Road 4	5.2	Road - Paved - Flexible	5	1 - Very Good	313		46	313	69 DE2	DM	20	R 6 260	3 Low		R 0	R 0	R 0	R 0	R 6 260
Langeberg	Montagu	10206007	Keerom (MT)_020	0.06	Linvelt	Amandel	7.7	Road - Paved - Flexible	5	2 - Good	495		42	495	58 DE2	DM	20	R 9 900	3 Low		R 0	R 0	R 0	R 0	R 9 900
Langeberg	Montagu	10206007	Keerom (MT)_030	0.15	Amandel	Cul De Sac	7.7	Road - Paved - Flexible	5	2 - Good	1117		41	1117	64 DE2	DM	20	R 22 340	3 Low		R 0	R 0	R 0	R 0	R 22 340
Langeberg	Montagu	10206007	Klip Street (MT)_010	0.05	Kort	Cul De Sac	7	Road - Paved - Flexible	5	2 - Good	332		41	332	58 DE2	DM	20	R 6 640	3 Low		R 0	R 0	R 0	R 0	R 6 640
Langeberg	Montagu	10206007	Mark (MT)_020	0.08	Bath	Piet Retief	8.5	Road - Paved - Flexible	5	2 - Good	694		41	694	58 DE2	DM	20	R 13 880	3 Low		R 0	R 0	R 0	R 0	R 13 880
Langeberg	Montagu	10206007	Mark (MT)_050	0.05	Le Roux	Park	10	Road - Paved - Flexible	5	2 - Good	494		41	494	59 DE2	DM	20	R 9 880	3 Low		R 0	R 0	R 0	R 0	R 9 880
Langeberg	Montagu	10206012	Mimosa_020	0.18	Bloekom	Bloekom	6	Road - Paved - Flexible	5	2 - Good	1067		40	1067	54 DE2	DM	20	R 21 340	3 Low		R 0	R 0	R 0	R 0	R 21 340
Langeberg	Montagu	10206007	Montagu 8_030	0.02	Strydom	Simon	6	Road - Paved - Flexible	5	2 - Good	143		43	143	64 DE2	DM	20	R 2 860	3 Low		R 0	R 0	R 0	R 0	R 2 860
Langeberg	Montagu	10206007	Montagu 8_040	0.05	Simon	Wilhelm Thys	6	Road - Paved - Flexible	5	2 - Good	295		45	295	69 DE2	DM	20	R 5 900	3 Low		R 0	R 0	R 0	R 0	R 5 900
Langeberg	Montagu	10206007	Nel_020	0.14	David's	Wilhelm Thys	7.6	Road - Paved - Flexible	5	1 - Very Good	1083		47	1083	68 DE2	DM	20	R 21 660	3 Low		R 0	R 0	R 0	R 0	R 21 660
Langeberg	Montagu	10206012	Olyfboom_020	0.13	Gravel/Tar	Akasia	5.5	Road - Paved - Flexible	5	2 - Good	688		43	688	59 DE2	DM	20	R 13 760	3 Low		R 0	R 0	R 0	R 0	R 13 760
Langeberg	Montagu	10206007	Piet Retief (MT)_040	0.04	Hof	Du Toit	8.5	Road - Paved - Flexible	5	2 - Good	366		40	366	58 DE2	DM	20	R 7 320	3 Low		R 0	R 0	R 0	R 0	R 7 320
Langeberg	Montagu	10206007	Piet Retief (MT)_050	0.04	Du Toit	Plein	8.5	Road - Paved - Flexible	5	1 - Very Good	349		44	349	65 DE2	DM	20	R 6 980	3 Low		R 0	R 0	R 0	R 0	R 6 980
Langeberg	Montagu	10206007	Piet Retief (MT)_080	0.17	Bloem	Rawson	8.5	Road - Paved - Flexible	5	2 - Good	1458		42	1458	63 DE2	DM	20	R 29 160	3 Low		R 0	R 0	R 0	R 0	R 29 160
Langeberg	Montagu	10206007	Rawson_010	0.08	Piet Retief	Joubert	8.5	Road - Paved - Flexible	5	2 - Good	653		43	653	66 DE2	DM	20	R 13 060	3 Low		R 0	R 0	R 0	R 0	R 13 060
Langeberg	Montagu	10206012	Roomsmaryn Avenue_010	0.08	Road 5	Road 2	5.2	Road - Paved - Flexible	5	1 - Very Good	392		45	392	65 DE2	DM	20	R 7 840	3 Low		R 0	R 0	R 0	R 0	R 7 840
Langeberg	Montagu	10206011	Rossouw_010	0.09	Van Huysteen	Van Zyl	8.6	Road - Paved - Flexible	5	2 - Good	797		40	797	59 DE2	DM	20	R 15 940	3 Low		R 0	R 0	R 0	R 0	R 15 940
Langeberg	Montagu	10206007	Sacco Street_020	0.06	Du Preez	Pokwas	6	Road - Paved - Flexible	5	2 - Good	379		45	379	67 DE2	DM	20	R 7 580	3 Low		R 0	R 0	R 0	R 0	R 7 580
Langeberg	Montagu	10206012	Silwerboom Avenue_010	0.07			6.4	Road - Paved - Flexible	5	2 - Good	414		43	414	58 DE2	DM	20	R 8 280	3 Low		R 0	R 0	R 0	R 0	R 8 280
Langeberg	Montagu	10206012	Sitrus_030	0.05	Geelhout	Ficus	6	Road - Paved - Flexible	5	2 - Good	308		41	308	64 DE2	DM	20	R 6 160	3 Low		R 0	R 0	R 0	R 0	R 6 160
Langeberg	Montagu	10206012	Sitrus_040	0.05	Ficus	Doringboom	6	Road - Paved - Flexible	5	1 - Very Good	284		47	284	68 DE2	DM	20	R 5 680	3 Low		R 0	R 0	R 0	R 0	R 5 680
Langeberg	Montagu	10206007	Stevens_010	0.06	Klассens	Wilhelm Thys	5.6	Road - Paved - Flexible	5	2 - Good	360		46	360	63 DE2	DM	20	R 7 200	3 Low		R 0	R 0	R 0	R 0	R 7 200
Langeberg	Montagu	10206007	Stevens_020	0.07	Wilhelm Thys	Goetham	5.6	Road - Paved - Flexible	5	2 - Good	399		45	399	63 DE2	DM	20	R 7 980	3 Low		R 0	R 0	R 0	R 0	R 7 980
Langeberg	Montagu	10206007	Stevens_030	0.07	Goetham	Saunders	5.6	Road - Paved - Flexible	5	2 - Good	414		41	414	63 DE2	DM	20	R 8 280	3 Low		R 0	R 0	R 0	R 0	R 8 280
Langeberg	Montagu	10206007	Stevens_040	0.06	Saunders	Pekeur	5.6	Road - Paved - Flexible	5	2 - Good	360		46	360	64 DE2	DM	20	R 7 200	3 Low		R 0	R 0	R 0	R 0	R 7 200
Langeberg	Montagu	10206007	Sultana Crescent_010	0.04	Prov Road	Sultana Cres	8	Road - Paved - Flexible	5	2 - Good	310		41	310	56 DE2	DM	20	R 6 200	3 Low		R 0	R 0	R 0	R 0	R 6 200
Langeberg	Montagu	10206011	Swanepoel_020	0.13	Hospital	Van der Merwe	8.6	Road - Paved - Flexible	5	2 - Good	1091		40	1091	58 DE2	DM	20	R 21 820	3 Low		R 0	R 0	R 0	R 0	R 21 820
Langeberg	Montagu	10206007	Tanner_010	0.06	CDS (Gate)	Kiesie	7.7	Road - Paved - Flexible	5	2 - Good	433		42	433	60 DE2	DM	20	R 8 660	3 Low		R 0	R 0	R 0	R 0	R 8 660
Langeberg	Montagu	10206011	Thomson_010	0.09	Exssen	Van Zyl	8.6	Road - Paved - Flexible	5	2 - Good	779		44	779	65 DE2	DM	20	R 15 580	3 Low		R 0	R 0	R 0	R 0	R 15 580
Langeberg	Montagu	10206011	Thomson_020	0.09	Van Zyl	Van Huysteen	8.6	Road - Paved - Flexible	5	1 - Very Good	773		48	773	69 DE2	DM	20	R 15 460	3 Low		R 0	R 0	R 0	R 0	R 15 460
Langeberg	Montagu	10206012	Tiemieweg_020	0.05	Road 1	Road 6	5.2	Road - Paved - Flexible	5	1 - Very Good	281		45	281	70 DE2	DM	20	R 5 620	3 Low		R 0	R 0	R 0	R 0	R 5 620
Langeberg	Montagu	10206012	Tiemieweg_030	0.03	Road 6	Tar/Gravel	5.2	Road - Paved - Flexible	5	1 - Very Good	153		44	153	67 DE2	DM	20	R 3 060	3 Low		R 0	R 0	R 0	R 0	R 3 060
Langeberg	Montagu	10206007	Titus (MT)_010	0.06	Goetham	Wilhelm Thys	5.5	Road - Paved - Flexible	5	2 - Good	321		42	321	58 DE2	DM	20	R 6 420	3 Low		R 0	R 0	R 0	R 0	R 6 420
Langeberg	Montagu	10206011	Van Huysteen_030	0.09	Rossouw	Hospital	8.6	Road - Paved - Flexible	5	2 - Good	797		40	797	58 DE2	DM	20	R 15 940	3 Low		R 0	R 0	R 0	R 0	R 15 940
Langeberg	Montagu	10206007	Wilhelm Thys_060	0.05	Banie	Montagu 7	8	Road - Paved - Flexible	5	2 - Good	373														

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	ren_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Montagu	10206007	Wilhelm Thys_080	0.06	Africa	Johnson	8	Road - Paved - Flexible	4 2 - Good	512	41	512	56	MP15	DM		70	R 35 840	2 Medium	R 0	R 0	R 0	R 0	R 35 840	R 0
Langeberg	Montagu	10206007	Aster (MT)_020	0.28	Angellier	Dahlia	8	Road - Paved - Flexible	4 3 - Fair	2244	16	2244	20	REH	DM		300	R 673 200	1 High	R 673 200	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Bath_010	0.19	Rose	Barry	6.9	Road - Paved - Flexible	4 4 - Poor	1322	0	1322	0	REH	DM		300	R 396 600	1 High	R 396 600	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Brown (MT)_010	0.21	Rose	Middel	6	Road - Paved - Flexible	4 4 - Poor	1285	24	1285	29	REH	DM		300	R 385 500	1 High	R 385 500	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Du Toit (MT)_010	0.25	Lang	Bath	8.6	Road - Paved - Flexible	4 4 - Poor	2147	12	2147	13	REH	DM		300	R 644 100	1 High	R 644 100	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Du Toit (MT)_070	0.22	Buitekant	Wilhelm Thys	8.6	Road - Paved - Flexible	4 4 - Poor	1876	19	1876	20	REH	DM		300	R 562 800	1 High	R 562 800	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206012	Eike (MT)_010	0.14	Muskadel	Mimosa	6.5	Road - Paved - Flexible	4 4 - Poor	893	23	893	26	REH	DM		300	R 267 900	1 High	R 267 900	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206012	Eike (MT)_040	0.14	Denne	Silwerboom	11.7	Road - Paved - Flexible	4 3 - Fair	1656	20	1656	17	REH	DM		300	R 496 800	1 High	R 496 800	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206012	Eike (MT)_070	0.09	Bloekom	Wilger	11.7	Road - Paved - Flexible	4 3 - Fair	1082	10	1082	19	REH	DM		300	R 324 600	1 High	R 324 600	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206011	Kerk (MT)_020	0.25	Hospital	Hofmeyer	8.5	Road - Paved - Flexible	4 4 - Poor	2097	34	2097	13	REH	DM		300	R 629 100	1 High	R 0	R 629 100	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206011	Kerk (MT)_040	0.45	Van Riebeeck	Lang	11.8	Road - Paved - Flexible	4 4 - Poor	5259	22	5259	23	REH	DM		300	R 1 577 700	1 High	R 1 577 700	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Kerk (MT)_050	0.25	Lang	Bath	11.8	Road - Paved - Flexible	4 4 - Poor	2995	35	2995	26	REH	DM		300	R 898 500	1 High	R 0	R 898 500	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Protea (MT)_020	0.26	Aster	Dahlia	8	Road - Paved - Flexible	4 4 - Poor	2064	15	2064	14	REH	DM		300	R 619 200	1 High	R 619 200	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	R318_090	0.56			7.4	Road - Paved - Flexible	3 4 - Poor	4107	33	4107	14	REH	Prov-DM 80-20		300	R 1 232 100	1 High	R 0	R 1 232 100	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Uitvlucht_010	0.04	Prov Road	Wessels	8	Road - Paved - Flexible	4 4 - Poor	475	22	475	23	REH	DM		300	R 142 500	1 High	R 142 500	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Uitvlucht_050	0.2	Wessels	CDS (Gate)	8	Road - Paved - Flexible	4 3 - Fair	1573	28	1573	29	REH	DM		300	R 471 900	1 High	R 0	R 471 900	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206011	Van Riebeeck (MT)_070	0.27	Swanepoel	Brink	7	Road - Paved - Flexible	4 4 - Poor	1875	18	1875	19	REH	DM		300	R 562 500	1 High	R 562 500	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206011	Van Riebeeck (MT)_080	0.08	Reitz	Prov Road (Start)	7	Road - Paved - Flexible	4 3 - Fair	539	19	539	15	REH	DM		300	R 161 700	1 High	R 161 700	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Wilhelm Thys_010	0.05	Stevens	Prov Road	8	Road - Paved - Flexible	4 2 - Good	396	6	396	0	REH	DM		300	R 118 800	1 High	R 118 800	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Wilhelm Thys_020	0.34	Ismael	Stevens	8	Road - Paved - Flexible	4 5 - Very Poor	2708	13	2708	0	REH	DM		300	R 812 400	1 High	R 812 400	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Wilhelm Thys_030	0.11	Montagu 8	Ismael	8	Road - Paved - Flexible	4 4 - Poor	898	16	898	24	REH	DM		300	R 269 400	1 High	R 269 400	R 0	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Wilhelm Thys_050	0.06	Montagu 7	Titus	8	Road - Paved - Flexible	4 3 - Fair	491	27	491	26	REH	DM		300	R 147 300	1 High	R 0	R 147 300	R 0	R 0	R 0	R 0
Langeberg	Montagu	10206007	Buitekant (MT)_050	0.2	Mark	Du Toit	8	Road - Paved - Flexible	4 3 - Fair	1628	36	1628	31	REH	DM		300	R 488 400	2 Medium	R 0	R 0	R 0	R 488 400	R 0	
Langeberg	Montagu	10206007	Cross_040	0.08	Piet Retief	Bath	10	Road - Paved - Flexible	4 3 - Fair	839	34	839	30	REH	DM		300	R 251 700	2 Medium	R 0	R 0	R 251 700	R 0	R 0	
Langeberg	Montagu	10206012	Eike (MT)_020	0.07	Mimosa	Jakaranda	6.5	Road - Paved - Flexible	4 3 - Fair	453	35	453	31	REH	DM		300	R 135 900	2 Medium	R 0	R 0	R 0	R 135 900	R 0	
Langeberg	Montagu	10206012	Eike (MT)_050	0.16	Silwerboom	Akasia	6	Road - Paved - Flexible	4 3 - Fair	968	28	968	30	REH	DM		300	R 290 400	2 Medium	R 0	R 0	R 290 400	R 0	R 0	
Langeberg	Montagu	10206011	Eysen_040	0.45	Van Riebeeck	Lang	8.6	Road - Paved - Flexible	4 3 - Fair	3832	40	3832	32	REH	DM		300	R 1 149 600	2 Medium	R 0	R 0	R 0	R 1 149 600	R 0	
Langeberg	Montagu	10206007	Joubert (MT)_020	0.16	Hof	Mark	11	Road - Paved - Flexible	4 3 - Fair	1751	39	1751	34	REH	DM		300	R 525 300	2 Medium	R 0	R 0	R 0	R 525 300	R 0	
Langeberg	Montagu	10206007	Joubert (MT)_060	0.15	Bloem	Kohler	11	Road - Paved - Flexible	4 3 - Fair	1672	34	1672	33	REH	DM		300	R 501 600	2 Medium	R 0	R 0	R 501 600	R 0	R 0	
Langeberg	Montagu	10206007	Protea (MT)_010	0.08	Prov Road	Aster	8	Road - Paved - Flexible	4 3 - Fair	696	20	696	33	REH	DM		300	R 208 800	2 Medium	R 0	R 0	R 208 800	R 0	R 0	
Langeberg	Montagu	10206007	R318_070	0.24			7.4	Road - Paved - Flexible	3 4 - Poor	1791	32	1791	30	REH	Prov-DM 80-20		300	R 537 300	2 Medium	R 0	R 0	R 537 300	R 0	R 0	
Langeberg	Montagu	10206011	Van Riebeeck (MT)_010	0.05	Willem Lorens	Van Huysteen	7	Road - Paved - Flexible	4 3 - Fair	345	32	345	30	REH	DM		300	R 103 500	2 Medium	R 0	R 0	R 103 500	R 0	R 0	
Langeberg	Montagu	10206011	Van Riebeeck (MT)_060	0.2	Kerk	Swanepoel	7	Road - Paved - Flexible	4 4 - Poor	1402	28	1402	30	REH	DM		300	R 420 600	2 Medium	R 0	R 0	R 420 600	R 0	R 0	
Langeberg	Montagu	10206007	Africa_010	0.15	Wilhelm Thys	Andries	5.7	Road - Paved - Flexible	5 3 - Fair	862	22	862	38	SL2	DM		40	R 34 480	3 Low	R 0	R 0	R 0	R 0	R 34 480	
Langeberg	Montagu	10206007	Anderson_010	0.1	Du Preez	Van Wyk	6	Road - Paved - Flexible	5 2 - Good	594	36	594	40	SL2	DM		40	R 23 760	3 Low	R 0	R 0	R 0	R 0	R 23 760	
Langeberg	Montagu	10206007	Anderson_020	0.16	Van Wyk	Du Preez	6	Road - Paved - Flexible	5 3 - Fair	985	22	985	38	SL2	DM		40	R 39 400	3 Low	R 0	R 0	R 0	R 0	R 39 400	
Langeberg	Montagu	10206007	Badskop Cres_010	0.37	Castle	Castle	8	Road - Paved - Flexible	5 4 - Poor	2945	16	2945	35	SL2	DM		40	R 117 800	3 Low	R 0	R 0	R 0	R 0	R 117 800	
Langeberg	Montagu	10206007	Berg Street (MT)_030	0.26	Mount Cl 1	Mount	6.5	Road - Paved - Flexible	5 3 - Fair	1710	35	1710	40	SL2	DM		40	R 68 400	3 Low	R 0	R 0	R 0	R 0	R 68 400	
Langeberg	Montagu	10206012	Bloekom (MT)_020	0.32	Mimosa	Mimosa	6	Road - Paved - Flexible	5 4 - Poor	1905	29	1905	38	SL2	DM		40	R 76 200	3 Low	R 0	R 0	R 0	R 0	R 76 200	
Langeberg	Montagu	10206011	Brink_010	0.13	Hofmeyer	Van Riebeeck	8.6	Road - Paved - Flexible	5 3 - Fair	1087	37	1087	35	SL2	DM		40	R 43 480	3 Low	R 0	R 0	R 0	R 0	R 43 480	
Langeberg	Montagu	10206007	Castle_020	0.23	Badskop Cres	Badskop Cres	8	Road - Paved - Flexible	5 2 - Good	1850	20	1850	39	SL2	DM		40	R 74 000	3 Low	R 0	R 0	R 0	R 0	R 74 000	
Langeberg	Montagu	10206007	Cupido (MT)_030	0.03	Mohammed	Stuart	6	Road - Paved - Flexible	5 3 - Fair	179	21	179	39	SL2	DM		40	R 7 160	3 Low	R 0	R 0	R 0	R 0	R 7 160	
Langeberg	Montagu	10206007	Du Pree_040	0.07	Cupido	Anderson	6	Road - Paved - Flexible	5 3 - Fair	408	21	408	38	SL2	DM		40	R 16 320	3 Low	R 0	R 0	R 0	R 0	R 16 320	
Langeberg	Montagu	10206007	Ismael (MT)_030	0.06	Saunders	Goetham	6	Road - Paved - Flexible	5 3 - Fair	372	35	372	40	SL2	DM		40	R 14 880	3 Low	R 0	R 0	R 0	R 0	R 14 880	
Langeberg	Montagu	10206007	Ismael (MT)_040	0.06	Goetham	Wilhelm Thys	6	Road - Paved - Flexible	5 3 - Fair	363	30	363	39	SL2	DM		40	R 14 520	3 Low	R 0	R 0	R 0	R 0	R 14 520	
Langeberg	Montagu	10206007	Ismael (MT)_050	0.05	Wilhelm Thys	Simon	6	Road - Paved - Flexible	5 2 - Good	313	28	313	35	SL2	DM		40	R 12 520	3 Low	R 0	R 0	R 0	R 0	R 12 520	
Langeberg	Montagu	10206007	Knipes Hope_020	0.08	Diener	Cul De Sac	8	Road - Paved - Flexible	5 3 - Fair	531	25	531	39	SL2	DM		40	R 21 240	3 Low	R 0	R 0	R 0	R 0	R 21 240	
Langeberg	Montagu	10206007	Le Roux (MT)_030	0.2	Du Toit	Kohler	11	Road - Paved - Flexible	5 3 - Fair	2236	33	2236	40	SL2	DM		40	R 89 440	3 Low	R 0	R 0	R 0	R 0	R 89 440	
Langeberg	Montagu	10206007	Le Roux (MT)_040	0.15	Kohler	Bloem	11	Road - Paved - Flexible	5 3 - Fair	1663	34	1663	40	SL2	DM		40	R 66 520	3 Low	R 0	R 0	R 0	R 0	R 66 520	
Langeberg	Montagu	10206007	Magnolia (MT)_010	0.2	Protea	Cul De Sac	6	Road - Paved - Flexible	5 4 - Poor	1187	30	1187	38	SL2	DM		40	R 47 480	3 Low	R 0	R 0	R 0	R 0	R 47 480	
Langeberg	Montagu	10206012	Mimosa_010	0.33	Eike	Bloekom	6	Road - Paved - Flexible	5 4 - Poor	2002	33	2002	37	SL2	DM		40	R 80 080	3 Low	R 0	R 0	R 0	R 0	R 80 080	
Langeberg	Montagu	10206007	Montagu 8_010	0.03	Du Preez	Stuart	6	Road - Paved - Flexible	5 3 - Fair	198	30	198	39	SL2	DM		40	R 7 920	3 Low	R 0	R 0	R 0	R 0	R 7 920	
Langeberg	Montagu	10206012	Palm_030	0.22	Jakaranda	Denne	6	Road - Paved - Flexible	5 3 - Fair	1292	34	1292	37	SL2	DM		40	R 51 680	3 Low	R 0	R 0	R 0	R 0	R 51 680	
Langeberg	Montagu	10206007	Parring_010	0.15	Andries	Wilhelm Thys	5.7	Road - Paved - Flexible	5 3 - Fair	872	14	872	39	SL2	DM		40	R 34 880	3 Low	R 0	R 0	R 0	R 0	R 34 880	
Langeberg	Montagu	10206007	Pokwas_010	0.13	Sacco	Cul De Sac	6	Road - Paved - Flexible	5 3 - Fair	776	31	776	38	SL2	DM		40	R 31 040	3 Low	R 0	R 0	R 0	R 0	R 31 040	
Langeberg	Montagu	10206007	Pokwas_020	0.11	Felix	Sacco	6	Road - Paved - Flexible	5 3 - Fair	682	31	682	40	SL2	DM		40	R 27 280	3 Low	R 0	R 0	R 0	R 0	R 27 280	
Langeberg	Montagu	10206012	Seder Avenue_050	0.21	Geehlout	Sitrus	5.2	Road - Paved - Flexible	5 2 - Good	1097	40	1097	38	SL2	DM		40	R 43 880	3 Low						

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	ren_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Montagu	10206012	Sitrus_010	0.13	Sipres	Seder	6	Road - Paved - Flexible	5	3 - Fair	769	25	769	28	SL3	DM	50	R 38 450	3 Low		R 0	R 0	R 0	R 0	R 38 450
Langeberg	Montagu	10206007	Sultana Cres (N)_010	0.19	Barlinka	Sultana Link	8	Road - Paved - Flexible	5	3 - Fair	1520	35	1520	33	SL3	DM	50	R 76 000	3 Low		R 0	R 0	R 0	R 0	R 76 000
Langeberg	Montagu	10206007	Sultana Cres (S)_010	0.2	Sultana Link	Sultana	8	Road - Paved - Flexible	5	4 - Poor	1562	25	1562	28	SL3	DM	50	R 78 100	3 Low		R 0	R 0	R 0	R 0	R 78 100
Langeberg	Montagu	10206007	Tanner_020	0.26	Kiesie	Meul	7.7	Road - Paved - Flexible	5	2 - Good	2003	27	2003	34	SL3	DM	50	R 100 150	3 Low		R 0	R 0	R 0	R 0	R 100 150
Langeberg	Montagu	10206007	Truter (MT)_010	0.04	Wessels	Cul De Sac	8	Road - Paved - Flexible	5	3 - Fair	276	20	276	32	SL3	DM	50	R 13 800	3 Low		R 0	R 0	R 0	R 0	R 13 800
Langeberg	Montagu	10206007	Union (MT)_010	0.2	Kohler	Du Toit	11	Road - Paved - Flexible	5	4 - Poor	2225	28	2225	31	SL3	DM	50	R 111 250	3 Low		R 0	R 0	R 0	R 0	R 111 250
Langeberg	Montagu	10206007	Vygie (MT)_010	0.03	Protea	Cul De Sac	6	Road - Paved - Flexible	5	3 - Fair	203	17	203	28	SL3	DM	50	R 10 150	3 Low		R 0	R 0	R 0	R 0	R 10 150
Langeberg	Montagu	10206011	Willem Louwrens_010	0.07	Van Riebeeck	Cul De Sac	7	Road - Paved - Flexible	5	3 - Fair	503	17	503	30	SL3	DM	50	R 25 150	3 Low		R 0	R 0	R 0	R 0	R 25 150
Langeberg	Robertson	10206002	R60 EB (RB)_040	0.63			7.4	Road - Dual c/way	2	3 - Fair	4684	39	4684	53	MP15	Prov-DM 80-20	70	R 327 880	1 High		R 0	R 327 880	R 0	R 0	R 0
Langeberg	Robertson	10206002	R60 WB (RB)_020	0.64			7.4	Road - Dual c/way	2	2 - Good	4758	37	4758	48	MP15	Prov-DM 80-20	70	R 333 060	1 High		R 0	R 333 060	R 0	R 0	R 0
Langeberg	Robertson	10206002	R60 EB (RB)_050	0.42			7.4	Road - Dual c/way	2	2 - Good	3086	42	3086	67	MP15	Prov-DM 80-20	70	R 216 020	2 Medium		R 0	R 0	R 0	R 216 020	R 0
Langeberg	Robertson	10206002	R60 WB (RB)_010	0.42			7.4	Road - Dual c/way	2	2 - Good	3101	40	3101	57	MP15	Prov-DM 80-20	70	R 217 070	2 Medium		R 0	R 0	R 0	R 217 070	R 0
Langeberg	Robertson	10206001	Barry (RB)_030	0.11	Konstitusie	Victoria	11.5	Road - Paved - Flexible	4	3 - Fair	1315	35	1315	36	AC25	DM	100	R 131 500	2 Medium		R 0	R 0	R 0	R 131 500	R 0
Langeberg	Robertson	10206001	Barry (RB)_070	0.05	Swellendam	Mark	11.5	Road - Paved - Flexible	4	2 - Good	562	35	562	38	AC25	DM	100	R 56 200	2 Medium		R 0	R 0	R 0	R 56 200	R 0
Langeberg	Robertson	10206001	Barry (RB)_080	0.05	Mark	Robertson	11.5	Road - Paved - Flexible	4	3 - Fair	546	35	546	36	AC25	DM	100	R 54 600	2 Medium		R 0	R 0	R 0	R 54 600	R 0
Langeberg	Robertson	10206002	Burwana_070	0.09	Biko	August	6.2	Road - Paved - Flexible	4	3 - Fair	536	35	536	40	AC25	DM	100	R 53 600	2 Medium		R 0	R 0	R 0	R 53 600	R 0
Langeberg	Robertson	10206002	Entlango Street_020	0.1	Burwana	Bashaye	3	Road - Paved - Flexible	4	2 - Good	286	40	286	38	AC25	DM	100	R 28 600	2 Medium		R 0	R 0	R 0	R 28 600	R 0
Langeberg	Robertson	10206006	Langeberg_050	0.22	Unnamed Road 0002	Kloof	7.3	Road - Paved - Flexible	4	2 - Good	1632	34	1632	38	AC25	DM	100	R 163 200	2 Medium		R 0	R 0	R 163 200	R 0	R 0
Langeberg	Robertson	10206002	Masakhane (RB)_010	0.27	Burwana	Hani	6.8	Road - Paved - Flexible	4	3 - Fair	1839	30	1839	37	AC25	DM	100	R 183 900	2 Medium		R 0	R 0	R 183 900	R 0	R 0
Langeberg	Robertson	10206002	Nentsa Street_050	0.05	Mzabalazo	Monyawaza	6.2	Road - Paved - Flexible	4	3 - Fair	320	18	320	38	AC25	DM	100	R 32 000	2 Medium		R 0	R 0	R 32 000	R 0	R 0
Langeberg	Robertson	10206002	Nkonyama Street_020	0.05	Bashaye	Entlango	6.2	Road - Paved - Flexible	4	3 - Fair	300	40	300	35	AC25	DM	100	R 30 000	2 Medium		R 0	R 0	R 0	R 30 000	R 0
Langeberg	Robertson	10206003	Paddy_030	0.14	Scaifie	River	7.4	Road - Paved - Flexible	4	3 - Fair	1017	39	1017	37	AC25	DM	100	R 101 700	2 Medium		R 0	R 0	R 0	R 101 700	R 0
Langeberg	Robertson	10206003	Paddy_040	0.11	Heide	Bergsig	7.4	Road - Paved - Flexible	4	3 - Fair	806	40	806	40	AC25	DM	100	R 80 600	2 Medium		R 0	R 0	R 0	R 80 600	R 0
Langeberg	Robertson	10206001	Robertson (RB)_020	0.11	Piet Retief	Barry	7	Road - Paved - Flexible	4	3 - Fair	766	37	766	35	AC25	DM	100	R 76 600	2 Medium		R 0	R 0	R 0	R 76 600	R 0
Langeberg	Robertson	10206002	Van Zyl (RB)_100	0.23	Akker	Dirkie Uys	10	Road - Paved - Flexible	4	3 - Fair	2261	28	2261	36	AC25	DM	100	R 226 100	2 Medium		R 0	R 0	R 226 100	R 0	R 0
Langeberg	Robertson	10206006	Watsonia (RB)_010	0.21	Nerina	Petunia	7.3	Road - Paved - Flexible	4	3 - Fair	1535	33	1535	37	AC25	DM	100	R 153 500	2 Medium		R 0	R 0	R 153 500	R 0	R 0
Langeberg	Robertson	10206002	Bashaye Street_020	0.05	Nkqubela 5	Nkqubela 6	4	Road - Paved - Flexible	5	2 - Good	189	36	189	14	BL	DM	270	R 51 030	1 High		R 0	R 51 030	R 0	R 0	R 0
Langeberg	Robertson	10206001	Polack_080	0.08	Smith	Van Oudtshoorn	8	Road - Paved - Flexible	5	3 - Fair	625	14	625	11	BL	DM	270	R 168 750	1 High		R 168 750	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Voit_010	0.05	Wolhunter	Cul De Sac	8	Road - Paved - Flexible	5	3 - Fair	410	17	410	0	BL	DM	270	R 110 700	1 High		R 110 700	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206001	Dirkie Uys Street (RB)_030	0.24	Eben Donges	Kerk	7	Road - Paved - Flexible	5	3 - Fair	1659	25	1659	16	BL	DM	270	R 447 930	2 Medium		R 0	R 0	R 447 930	R 0	R 0
Langeberg	Robertson	10206001	Adderley_110	0.04	Willem Nel	Cul De Sac	9	Road - Paved - Flexible	5	2 - Good	375	29	375	60	DE2	DM	20	R 7 500	1 High		R 0	R 7 500	R 0	R 0	R 0
Langeberg	Robertson	10206002	Belinca Close_010	0.05	Oewer	Cul De Sac	5.2	Road - Paved - Flexible	5	2 - Good	266	12	266	48	DE2	DM	20	R 5 320	1 High		R 5 320	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Biko Street (RB)_050	0.09	Hani	Nentsa	5.2	Road - Paved - Flexible	5	3 - Fair	443	14	443	46	DE2	DM	20	R 8 860	1 High		R 8 860	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206001	Clairvaux_020	0.04	CDS South	Willem Nel	6.5	Road - Paved - Flexible	5	2 - Good	288	29	288	5	DE2	DM	20	R 5 760	1 High		R 0	R 5 760	R 0	R 0	R 0
Langeberg	Robertson	10206003	De Villiers (RB)_010	0.22	Hospital	Hokim	5.2	Road - Paved - Flexible	5	3 - Fair	1117	23	1117	48	DE2	DM	20	R 22 340	1 High		R 22 340	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Dirkie Uys (RB)_010	0.23	Adderley	Konstitusie	10	Road - Paved - Flexible	5	3 - Fair	2314	17	2314	45	DE2	DM	20	R 46 280	1 High		R 46 280	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Doringbos_010	0.25	Heuwel	Klapperbos	5.2	Road - Paved - Flexible	5	3 - Fair	1278	26	1278	48	DE2	DM	20	R 25 560	1 High		R 0	R 25 560	R 0	R 0	R 0
Langeberg	Robertson	10206002	Dwarha Street_010	0.12	Nentsa	Cul De Sac	5.4	Road - Paved - Flexible	5	2 - Good	619	18	619	52	DE2	DM	20	R 12 380	1 High		R 12 380	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Erica (RB)_010	0.16	Bergsig	Dagbreek	5.2	Road - Paved - Flexible	5	3 - Fair	825	15	825	42	DE2	DM	20	R 16 500	1 High		R 16 500	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206001	Freeman (RB)_010	0.12	White	Truter	3.2	Road - Paved - Flexible	5	3 - Fair	385	25	385	5	DE2	DM	20	R 7 700	1 High		R 0	R 7 700	R 0	R 0	R 0
Langeberg	Robertson	10206003	Johnson (RB)_020	0.03	Solomon	Cul De Sac	5.4	Road - Paved - Flexible	5	2 - Good	152	26	152	56	DE2	DM	20	R 3 040	1 High		R 0	R 3 040	R 0	R 0	R 0
Langeberg	Robertson	10206003	Jubel_030	0.23	Muller	Unnamed Road 0004	5.2	Road - Paved - Flexible	5	2 - Good	1213	27	1213	49	DE2	DM	20	R 24 260	1 High		R 0	R 24 260	R 0	R 0	R 0
Langeberg	Robertson	10206002	Oewer Cl_010	0.03	Oewer	Cul De Sac	5.7	Road - Paved - Flexible	5	2 - Good	164	12	164	49	DE2	DM	20	R 3 280	1 High		R 3 280	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Plein (RB)_010	0.12	Watsonia	Nutan	7.3	Road - Paved - Flexible	5	2 - Good	856	21	856	48	DE2	DM	20	R 17 120	1 High		R 17 120	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Silimela Street_010	0.12	Hani	Samuel	5.2	Road - Paved - Flexible	5	2 - Good	638	23	638	53	DE2	DM	20	R 12 760	1 High		R 12 760	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Solomon (RB)_010	0.01	Solomon	Cul De Sac	10.4	Road - Paved - Flexible	5	2 - Good	116	25	116	54	DE2	DM	20	R 2 320	1 High		R 0	R 2 320	R 0	R 0	R 0
Langeberg	Robertson	10206001	Van Reenen (RB)_040	0.29	Reitz	Cul De Sac	11	Road - Paved - Flexible	5	3 - Fair	3137	29	3137	41	DE2	DM	20	R 62 740	1 High		R 0	R 62 740	R 0	R 0	R 0
Langeberg	Robertson	10206001	Victoria (RB)_020	0.11	Barry	Piet Retief	9	Road - Paved - Flexible	5	3 - Fair	1004	27	1004	42	DE2	DM	20	R 20 080	1 High		R 0	R 20 080	R 0	R 0	R 0
Langeberg	Robertson	10206002	Adderley_010	0.09	Voorrekker	Lang	9	Road - Paved - Flexible	5	2 - Good	853	39	853	54	DE2	DM	20	R 17 060	2 Medium		R 0	R 0	R 0	R 17 060	R 0
Langeberg	Robertson	10206002	Adderley_040	0.05	Dirkie Uys	Dirkie Uys	9	Road - Paved - Flexible	5	2 - Good	484	35	484	44	DE2	DM	20	R 9 680	2 Medium		R 0	R 0	R 0	R 9 680	R 0
Langeberg	Robertson	10206001	Adderley_090	0.29	Barry	Van der Stel	9	Road - Paved - Flexible	5	3 - Fair	2561	36	2561	52	DE2	DM	20	R 51 220	2 Medium		R 0	R 0	R 0	R 51 220	R 0
Langeberg	Robertson	10206001	Adderley_100	0.02	Van der Stel	Willem Nel	9	Road - Paved - Flexible	5	3 - Fair	164	35	164	41	DE2	DM	20	R 3 280	2 Medium		R 0	R 0	R 0	R 3 280	R 0
Langeberg	Robertson	10206003	Affodil (RB)_010	0.38	Nerina	Jasmy	5.2	Road - Paved - Flexible	5	3 - Fair	1976	38	1976	57	DE2	DM	20	R 39 520	2 Medium		R 0	R 0	R 0	R 39 520	R 0
Langeberg	Robertson	10206002	Akker (RB)_010	0.12	Eben Donges	Jakaranda	6.5	Road - Paved - Flexible	5	3 - Fair	763	38	763	57	DE2	DM	20	R 15 260	2 Medium		R 0	R 0	R 0	R 15 260	R 0
Langeberg	Robertson	10206002	Akker (RB)_020	0.33	Jakaranda	Van Zyl	6.5	Road - Paved - Flexible	5	3 - Fair	2155	31	2155	51	DE2	DM	20	R 43 100	2 Medium		R 0	R 0	R 43 100	R 0	R 0
Langeberg	Robertson	10206001	Albert (RB)_040	0.11	Piet Retief	Barry	8.6	Road - Paved - Flexible	5	3 - Fair	947	35	947	44	DE2	DM	20	R 18 940	2 Medium		R 0	R 0	R 0	R 18 940	R 0
Langeberg	Robertson	10206002	Ampere Street_010	0.14	Wolhunter	Cul De Sac	8	Road - Paved - Flexible	5	2 - Good	1148	39													

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	gsn_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Robertson	10206002	Reitz (RB)_040	0.11	Hoop	Adderley	10	Road - Paved - Flexible	5 3 - Fair	1118	39	1118	46	DE2	DM		20	R 22 360	2 Medium		R 0	R 0	R 0	R 22 360	R 0
Langeberg	Robertson	10206001	Reitz (RB)_080	0.11	Truter	White	10	Road - Paved - Flexible	5 3 - Fair	1120	37	1120	55	DE2	DM		20	R 22 400	2 Medium		R 0	R 0	R 0	R 22 400	R 0
Langeberg	Robertson	10206001	Reitz (RB)_090	0.11	Warren	Truter	10	Road - Paved - Flexible	5 3 - Fair	1131	38	1131	55	DE2	DM		20	R 22 620	2 Medium		R 0	R 0	R 0	R 22 620	R 0
Langeberg	Robertson	10206003	Richter_010	0.13	Paddy	Cul De Sac	4.6	Road - Paved - Flexible	5 2 - Good	581	39	581	57	DE2	DM		20	R 11 620	2 Medium		R 0	R 0	R 0	R 11 620	R 0
Langeberg	Robertson	10206002	Rodezandt (RB)_010	0.2	Polack	Wavern	6.5	Road - Paved - Flexible	5 2 - Good	1315	38	1315	55	DE2	DM		20	R 26 300	2 Medium		R 0	R 0	R 0	R 26 300	R 0
Langeberg	Robertson	10206006	Roos (RB)_010	0.06	Petunia	Rosita	5.2	Road - Paved - Flexible	5 2 - Good	308	38	308	66	DE2	DM		20	R 6 160	2 Medium		R 0	R 0	R 0	R 6 160	R 0
Langeberg	Robertson	10206002	Rorwana Street_010	0.25	Monyawaza	Monyawaza	6	Road - Paved - Flexible	5 2 - Good	1493	37	1493	54	DE2	DM		20	R 29 860	2 Medium		R 0	R 0	R 0	R 29 860	R 0
Langeberg	Robertson	10206006	Rosita_010	0.15	Watsonia	Begonia	5.2	Road - Paved - Flexible	5 3 - Fair	759	36	759	58	DE2	DM		20	R 15 180	2 Medium		R 0	R 0	R 0	R 15 180	R 0
Langeberg	Robertson	10206003	Saayman_010	0.12	Jasmyn	Cul De Sac	5.3	Road - Paved - Flexible	5 3 - Fair	643	38	643	62	DE2	DM		20	R 12 860	2 Medium		R 0	R 0	R 0	R 12 860	R 0
Langeberg	Robertson	10206002	Samuel Street (RB)_010	0.14	Silimela	Silimela	5	Road - Paved - Flexible	5 2 - Good	713	32	713	46	DE2	DM		20	R 14 260	2 Medium		R 0	R 0	R 14 260	R 0	R 0
Langeberg	Robertson	10206003	Scaif Street_020	0.16	River	Paddy	5.2	Road - Paved - Flexible	5 3 - Fair	855	39	855	42	DE2	DM		20	R 17 100	2 Medium		R 0	R 0	R 0	R 17 100	R 0
Langeberg	Robertson	10206002	Stuurman Street_020	0.05	Mzola	May	6.2	Road - Paved - Flexible	5 2 - Good	325	39	325	49	DE2	DM		20	R 6 500	2 Medium		R 0	R 0	R 0	R 6 500	R 0
Langeberg	Robertson	10206001	Tindall (RB)_010	0.42	Polack	Coetzee	5.2	Road - Paved - Flexible	5 3 - Fair	2196	37	2196	43	DE2	DM		20	R 43 920	2 Medium		R 0	R 0	R 0	R 43 920	R 0
Langeberg	Robertson	10206001	Truter_040	0.11	Barry	Piet Retief	8.6	Road - Paved - Flexible	5 3 - Fair	978	35	978	50	DE2	DM		20	R 19 560	2 Medium		R 0	R 0	R 0	R 19 560	R 0
Langeberg	Robertson	10206001	Truter_050	0.11	Piet Retief	Paul Kruger	8.6	Road - Paved - Flexible	5 3 - Fair	937	34	937	43	DE2	DM		20	R 18 740	2 Medium		R 0	R 0	R 18 740	R 0	R 0
Langeberg	Robertson	10206001	Truter_060	0.29	Paul Kruger	Reitz	8.6	Road - Paved - Flexible	5 2 - Good	2493	38	2493	57	DE2	DM		20	R 49 860	2 Medium		R 0	R 0	R 0	R 49 860	R 0
Langeberg	Robertson	10206001	Truter_070	0.34	Reitz	Dirkie Uys	8	Road - Paved - Flexible	5 3 - Fair	2696	36	2696	45	DE2	DM		20	R 53 920	2 Medium		R 0	R 0	R 0	R 53 920	R 0
Langeberg	Robertson	10206002	Tshazimpunzi_010	0.06	Hani	Cul De Sac	5.2	Road - Paved - Flexible	5 2 - Good	335	33	335	58	DE2	DM		20	R 6 700	2 Medium		R 0	R 0	R 6 700	R 0	R 0
Langeberg	Robertson	10206001	Twede_010	0.23	Vierde	Sonsky	5.2	Road - Paved - Flexible	5 2 - Good	1199	36	1199	42	DE2	DM		20	R 23 980	2 Medium		R 0	R 0	R 0	R 23 980	R 0
Langeberg	Robertson	10206003	Unnamed Road 0006 (RB)_010	0.06	Iris	Heuwel	5.2	Road - Paved - Flexible	5 2 - Good	326	35	326	42	DE2	DM		20	R 6 520	2 Medium		R 0	R 0	R 0	R 6 520	R 0
Langeberg	Robertson	10206003	Van Graan_010	0.04	Parel	Cul De Sac	5	Road - Paved - Flexible	5 2 - Good	173	39	173	48	DE2	DM		20	R 3 460	2 Medium		R 0	R 0	R 0	R 3 460	R 0
Langeberg	Robertson	10206002	Van Oudtshoorn_050	0.23	Waterkant	Johan de Jongh	10	Road - Paved - Flexible	5 3 - Fair	2266	38	2266	47	DE2	DM		20	R 45 320	2 Medium		R 0	R 0	R 0	R 45 320	R 0
Langeberg	Robertson	10206001	Van Reenen (RB)_030	0.3	Paul Kruger	Reitz	11	Road - Paved - Flexible	5 3 - Fair	3250	38	3250	49	DE2	DM		20	R 65 000	2 Medium		R 0	R 0	R 0	R 65 000	R 0
Langeberg	Robertson	10206002	Van Riebeeck (RB)_020	0.23	Rijger	Drommedaris	6.5	Road - Paved - Flexible	5 3 - Fair	1518	38	1518	58	DE2	DM		20	R 30 360	2 Medium		R 0	R 0	R 0	R 30 360	R 0
Langeberg	Robertson	10206002	Victoria (RB)_030	0.11	Piet Retief	Paul Kruger	9	Road - Paved - Flexible	5 3 - Fair	990	38	990	51	DE2	DM		20	R 19 800	2 Medium		R 0	R 0	R 0	R 19 800	R 0
Langeberg	Robertson	10206002	Victoria (RB)_040	0.29	Paul Kruger	Reitz	9	Road - Paved - Flexible	5 3 - Fair	2629	38	2629	55	DE2	DM		20	R 52 580	2 Medium		R 0	R 0	R 0	R 52 580	R 0
Langeberg	Robertson	10206002	Victoria (RB)_050	0.31	Reitz	Cul De Sac	9	Road - Paved - Flexible	5 3 - Fair	2796	34	2796	42	DE2	DM		20	R 55 920	2 Medium		R 0	R 0	R 55 920	R 0	R 0
Langeberg	Robertson	10206001	Warren_010	0.19	Reitz	Cul De Sac	8	Road - Paved - Flexible	5 2 - Good	1490	39	1490	56	DE2	DM		20	R 29 800	2 Medium		R 0	R 0	R 0	R 29 800	R 0
Langeberg	Robertson	10206003	Waterkant (RB)_010	0.09	Van Oudtshoorn	Smith	9.4	Road - Paved - Flexible	5 3 - Fair	808	37	808	48	DE2	DM		20	R 16 160	2 Medium		R 0	R 0	R 0	R 16 160	R 0
Langeberg	Robertson	10206001	Waterkant (RB)_030	0.03	Bosheuwel	Ash	9.5	Road - Paved - Flexible	5 2 - Good	320	39	320	52	DE2	DM		20	R 6 400	2 Medium		R 0	R 0	R 0	R 6 400	R 0
Langeberg	Robertson	10206001	Waterkant (RB)_040	0.23	Ash	Dordrecht	9.5	Road - Paved - Flexible	5 3 - Fair	2161	38	2161	51	DE2	DM		20	R 43 220	2 Medium		R 0	R 0	R 0	R 43 220	R 0
Langeberg	Robertson	10206001	White Street (RB)_080	0.14	Begraafplaas 1	Begraafplaas 3	10	Road - Paved - Flexible	5 2 - Good	1432	35	1432	43	DE2	DM		20	R 28 640	2 Medium		R 0	R 0	R 0	R 28 640	R 0
Langeberg	Robertson	10206002	Adderley_020	0.1	Lang	Kort	9	Road - Paved - Flexible	5 2 - Good	914	41	914	54	DE2	DM		20	R 18 280	3 Low		R 0	R 0	R 0	R 0	R 18 280
Langeberg	Robertson	10206002	Adderley_060	0.29	Reitz	Paul Kruger	9	Road - Paved - Flexible	5 2 - Good	2638	40	2638	58	DE2	DM		20	R 52 760	3 Low		R 0	R 0	R 0	R 0	R 52 760
Langeberg	Robertson	10206001	Albert (RB)_010	0.29	Reitz	Paul Kruger	8.6	Road - Paved - Flexible	5 2 - Good	2499	41	2499	58	DE2	DM		20	R 49 980	3 Low		R 0	R 0	R 0	R 0	R 49 980
Langeberg	Robertson	10206001	Albert (RB)_020	0.07	Paul Kruger	Museum	8.6	Road - Paved - Flexible	5 2 - Good	624	40	624	58	DE2	DM		20	R 12 480	3 Low		R 0	R 0	R 0	R 0	R 12 480
Langeberg	Robertson	10206001	Albert (RB)_030	0.04	Museum	Piet Retief	8.6	Road - Paved - Flexible	5 2 - Good	337	40	337	58	DE2	DM		20	R 6 740	3 Low		R 0	R 0	R 0	R 0	R 6 740
Langeberg	Robertson	10206001	Albert (RB)_050	0.25	Barry	Keerom	8.6	Road - Paved - Flexible	5 3 - Fair	2106	46	2106	53	DE2	DM		20	R 42 120	3 Low		R 0	R 0	R 0	R 0	R 42 120
Langeberg	Robertson	10206001	Alberta (RB)_010	0.04	Rosa	Van Zyl	5.2	Road - Paved - Flexible	5 2 - Good	185	45	185	49	DE2	DM		20	R 3 700	3 Low		R 0	R 0	R 0	R 0	R 3 700
Langeberg	Robertson	10206002	Barry (RB)_010	0.05	Voortrekker	Polisie	7	Road - Paved - Flexible	5 2 - Good	360	42	360	63	DE2	DM		20	R 7 200	3 Low		R 0	R 0	R 0	R 0	R 7 200
Langeberg	Robertson	10206002	Biko Street (RB)_010	0.05	Burwana	Ntlatkotlaza	5.2	Road - Paved - Flexible	5 1 - Very Good	278	46	278	71	DE2	DM		20	R 5 560	3 Low		R 0	R 0	R 0	R 0	R 5 560
Langeberg	Robertson	10206002	Biko Street (RB)_030	0.03	Mbeki	Eluxolweni	5.2	Road - Paved - Flexible	5 1 - Very Good	163	46	163	69	DE2	DM		20	R 3 260	3 Low		R 0	R 0	R 0	R 0	R 3 260
Langeberg	Robertson	10206003	Bosheuwel_010	0.08	Leeuwin	Waterkant	6.5	Road - Paved - Flexible	5 2 - Good	502	41	502	59	DE2	DM		20	R 10 040	3 Low		R 0	R 0	R 0	R 0	R 10 040
Langeberg	Robertson	10206002	Buren_010	0.13	Drommedaris	Nassau	6.8	Road - Paved - Flexible	5 1 - Very Good	875	47	875	68	DE2	DM		20	R 17 500	3 Low		R 0	R 0	R 0	R 0	R 17 500
Langeberg	Robertson	10206002	Buren_020	0.12	Nassau	Nassau	6.8	Road - Paved - Flexible	5 1 - Very Good	798	47	798	68	DE2	DM		20	R 15 960	3 Low		R 0	R 0	R 0	R 0	R 15 960
Langeberg	Robertson	10206002	Buren_030	0.11	Nassau	Leerdam	6.5	Road - Paved - Flexible	5 1 - Very Good	685	47	685	69	DE2	DM		20	R 13 700	3 Low		R 0	R 0	R 0	R 0	R 13 700
Langeberg	Robertson	10206002	Burwana_020	0.02	Voortrekker	Spoorly Serv	8	Road - Paved - Flexible	5 2 - Good	189	41	189	55	DE2	DM		20	R 3 780	3 Low		R 0	R 0	R 0	R 0	R 3 780
Langeberg	Robertson	10206002	Cedar Avenue (RB)_010	0.34	Van Zyl	Jakaranda	6.5	Road - Paved - Flexible	5 3 - Fair	2196	40	2196	53	DE2	DM		20	R 43 920	3 Low		R 0	R 0	R 0	R 0	R 43 920
Langeberg	Robertson	10206001	Constantia (RB)_010	0.21	Van der Stel	Cul De Sac	7	Road - Paved - Flexible	5 2 - Good	1467	43	1467	65	DE2	DM		20	R 29 340	3 Low		R 0	R 0	R 0	R 0	R 29 340
Langeberg	Robertson	10206002	Danti Street_010	0.06	Qhanqiso	Nentsa	5.4	Road - Paved - Flexible	5 2 - Good	296	40	296	57	DE2	DM		20	R 5 920	3 Low		R 0	R 0	R 0	R 0	R 5 920
Langeberg	Robertson	10206003	De Wet (RB)_010	0.05	Coetzee	De Wet	4.6	Road - Paved - Flexible	5 2 - Good	242	46	242	69	DE2	DM		20	R 4 840	3 Low		R 0	R 0	R 0	R 0	R 4 840
Langeberg	Robertson	10206003	De Wet cds (RB)_020	0.05	Cul De Sac	Unnamed Road 0007	4	Road - Paved - Flexible	5 2 - Good	207	41	207	60	DE2	DM		20	R 4 140	3 Low		R 0	R 0	R 0	R 0	R 4 140
Langeberg	Robertson	10206002	Denne (RB)_010	0.33	Van Zyl	Elm	6.8	Road - Paved - Flexible	5 2 - Good	2239	45	2239	68	DE2	DM		20	R 44 780	3 Low		R 0	R 0	R 0	R 0	R 44 780
Langeberg	Robertson	10206002	Denne (RB)_030	0.08	Dennepark 1	Eben Donges	6.8	Road - Paved - Flexible	5 1 - Very Good	516	48	516	69	DE2	DM		20	R 10 320	3 Low		R 0	R 0	R 0	R 0	R 10 320
Langeberg	Robertson	10206002	Denne (RB)_040	0.2	Eben Donges	Kerk	6.8	Road - Paved - Flexible	5 2 - Good	1383	44	1383	68	DE2	DM		20	R 27 660	3 Low		R 0	R 0	R 0	R 0	R 27 660
Langeberg	Robertson	10206003	Dordrecht_020	0.11	Leeuwin	Parel	6.5	Road - Paved - Flexible	5 2 - Good	738	41	738	59	DE2	DM		20	R 14 760	3 Low		R 0	R 0	R 0	R 0	R 14 760
Langeberg	Robertson	10206002	Drommedaris (RB)_010	0.16	Mara's 2	Van Riebeeck	6.5	Road - Paved - Flexible	5 2 - Good	1010	46	1010	69	DE2	DM		20	R 20 200	3 Low		R 0				

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	ren_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Robertson	10206006	Orley_030	0.26	Begonia	Nerina	5.2	Road - Paved - Flexible	5 3 - Fair		1330	42	1330	45	DE2	DM	20	R 26 600	3 Low		R 0	R 0	R 0	R 0	R 26 600
Langeberg	Robertson	10206003	Parel_020	0.06	Van Graan	Leeuwini	6.5	Road - Paved - Flexible	5 2 - Good		399	40	399	59	DE2	DM	20	R 7 980	3 Low		R 0	R 0	R 0	R 0	R 7 980
Langeberg	Robertson	10206006	Petunia (RB)_020	0.2	Begonia	Rees	5.2	Road - Paved - Flexible	5 2 - Good		1052	40	1052	57	DE2	DM	20	R 21 040	3 Low		R 0	R 0	R 0	R 0	R 21 040
Langeberg	Robertson	10206001	Piet Retief (RB)_010	0.11	Polack	Loop	11.5	Road - Paved - Flexible	5 3 - Fair		1275	40	1275	50	DE2	DM	20	R 25 500	3 Low		R 0	R 0	R 0	R 0	R 25 500
Langeberg	Robertson	10206001	Piet Retief (RB)_040	0.12	Le Roux	Albert	11.5	Road - Paved - Flexible	5 2 - Good		1349	45	1349	67	DE2	DM	20	R 26 980	3 Low		R 0	R 0	R 0	R 0	R 26 980
Langeberg	Robertson	10206001	Piet Retief (RB)_050	0.11	Albert	Truter	11.5	Road - Paved - Flexible	5 2 - Good		1272	44	1272	67	DE2	DM	20	R 25 440	3 Low		R 0	R 0	R 0	R 0	R 25 440
Langeberg	Robertson	10206001	Piet Retief (RB)_060	0.11	Truter	White	11.6	Road - Paved - Flexible	5 2 - Good		1328	45	1328	68	DE2	DM	20	R 26 560	3 Low		R 0	R 0	R 0	R 0	R 26 560
Langeberg	Robertson	10206001	Piet Retief (RB)_070	0.11	White	Van Reenen	11.5	Road - Paved - Flexible	5 2 - Good		1316	42	1316	67	DE2	DM	20	R 26 320	3 Low		R 0	R 0	R 0	R 0	R 26 320
Langeberg	Robertson	10206001	Piet Retief (RB)_080	0.06	Van Reenen	Robertson	11.5	Road - Paved - Flexible	5 2 - Good		717	42	717	59	DE2	DM	20	R 14 340	3 Low		R 0	R 0	R 0	R 0	R 14 340
Langeberg	Robertson	10206002	Piet Retief (RB)_090	0.1	Robertson	Swellendam	11.5	Road - Paved - Flexible	5 2 - Good		1151	41	1151	63	DE2	DM	20	R 23 020	3 Low		R 0	R 0	R 0	R 0	R 23 020
Langeberg	Robertson	10206001	Piet Retief (RB)_120	0.11	Adderley	Victoria	11.5	Road - Paved - Flexible	5 2 - Good		1295	41	1295	58	DE2	DM	20	R 25 900	3 Low		R 0	R 0	R 0	R 0	R 25 900
Langeberg	Robertson	10206001	Piet Retief (RB)_140	0.11	Konstitusie	Voortrekker	11.5	Road - Paved - Flexible	5 2 - Good		1307	42	1307	59	DE2	DM	20	R 26 140	3 Low		R 0	R 0	R 0	R 0	R 26 140
Langeberg	Robertson	10206002	Polack_090	0.08	Van Oudtshoorn	Gum Grove	8	Road - Paved - Flexible	5 2 - Good		611	42	611	57	DE2	DM	20	R 12 220	3 Low		R 0	R 0	R 0	R 0	R 12 220
Langeberg	Robertson	10206002	Polack_100	0.08	Gum Grove	Rodezandt	8	Road - Paved - Flexible	5 2 - Good		657	43	657	64	DE2	DM	20	R 13 140	3 Low		R 0	R 0	R 0	R 0	R 13 140
Langeberg	Robertson	10206002	Reitz (RB)_010	0.12	Konstitusie	Voortrekker	10	Road - Paved - Flexible	5 2 - Good		1199	41	1199	58	DE2	DM	20	R 23 980	3 Low		R 0	R 0	R 0	R 0	R 23 980
Langeberg	Robertson	10206002	Reitz (RB)_020	0.11	Victoria	Konstitusie	10	Road - Paved - Flexible	5 3 - Fair		1116	42	1116	57	DE2	DM	20	R 22 320	3 Low		R 0	R 0	R 0	R 0	R 22 320
Langeberg	Robertson	10206002	Reitz (RB)_050	0.12	Kerk	Hoop	10	Road - Paved - Flexible	5 2 - Good		1147	46	1147	68	DE2	DM	20	R 22 940	3 Low		R 0	R 0	R 0	R 0	R 22 940
Langeberg	Robertson	10206001	Reitz (RB)_100	0.11	Le Roux	Warren	10	Road - Paved - Flexible	5 2 - Good		1142	42	1142	67	DE2	DM	20	R 22 840	3 Low		R 0	R 0	R 0	R 0	R 22 840
Langeberg	Robertson	10206001	Reitz (RB)_110	0.11	Van Zyl	Le Roux	10	Road - Paved - Flexible	5 2 - Good		1125	43	1125	68	DE2	DM	20	R 22 500	3 Low		R 0	R 0	R 0	R 0	R 22 500
Langeberg	Robertson	10206002	Rijger_010	0.18	Van Zyl	Van Riebeeck	6.5	Road - Paved - Flexible	5 2 - Good		1181	41	1181	59	DE2	DM	20	R 23 620	3 Low		R 0	R 0	R 0	R 0	R 23 620
Langeberg	Robertson	10206003	River_010	0.23	Hospital	Hokim	5.2	Road - Paved - Flexible	5 2 - Good		1179	44	1179	48	DE2	DM	20	R 23 580	3 Low		R 0	R 0	R 0	R 0	R 23 580
Langeberg	Robertson	10206006	Roos (RB)_020	0.05	Orley	Petunia	5.2	Road - Paved - Flexible	5 2 - Good		279	45	279	69	DE2	DM	20	R 5 580	3 Low		R 0	R 0	R 0	R 0	R 5 580
Langeberg	Robertson	10206001	Sainsbury_010	0.27	Hager	Erste	5.2	Road - Paved - Flexible	5 2 - Good		1404	49	1404	55	DE2	DM	20	R 28 080	3 Low		R 0	R 0	R 0	R 0	R 28 080
Langeberg	Robertson	10206003	Scalf Street_010	0.23	Paddy	River	5.2	Road - Paved - Flexible	5 3 - Fair		1207	40	1207	44	DE2	DM	20	R 24 140	3 Low		R 0	R 0	R 0	R 0	R 24 140
Langeberg	Robertson	10206002	Silimela Street_030	0.07	Samuel	Burwana	5.2	Road - Paved - Flexible	5 2 - Good		348	40	348	46	DE2	DM	20	R 6 960	3 Low		R 0	R 0	R 0	R 0	R 6 960
Langeberg	Robertson	10206003	Sonneblom (RB)_020	0.09	Jasmyrn	Begonia	5.2	Road - Paved - Flexible	5 2 - Good		461	45	461	67	DE2	DM	20	R 9 220	3 Low		R 0	R 0	R 0	R 0	R 9 220
Langeberg	Robertson	10206003	Sonneblom (RB)_030	0.06	Japonika	Begonia	5.2	Road - Paved - Flexible	5 2 - Good		298	40	298	66	DE2	DM	20	R 5 960	3 Low		R 0	R 0	R 0	R 0	R 5 960
Langeberg	Robertson	10206002	Stuurman Street_010	0.02	Burwana	Mzola	6.2	Road - Paved - Flexible	5 2 - Good		118	42	118	64	DE2	DM	20	R 2 360	3 Low		R 0	R 0	R 0	R 0	R 2 360
Langeberg	Robertson	10206002	Toets Sentrum_010	0.24	Kerk	Kerk	13	Road - Paved - Flexible	5 2 - Good		3170	42	3170	65	DE2	DM	20	R 63 400	3 Low		R 0	R 0	R 0	R 0	R 63 400
Langeberg	Robertson	10206001	Truter_010	0.03	Freemans	Hopley	8.6	Road - Paved - Flexible	5 3 - Fair		241	40	241	45	DE2	DM	20	R 4 820	3 Low		R 0	R 0	R 0	R 0	R 4 820
Langeberg	Robertson	10206003	Tulp (RB)_010	0.07	Japonika	Cul De Sac	5.2	Road - Paved - Flexible	5 2 - Good		370	41	370	57	DE2	DM	20	R 7 400	3 Low		R 0	R 0	R 0	R 0	R 7 400
Langeberg	Robertson	10206002	Van Oudtshoorn_010	0.12	Van Zyl	Loop	10	Road - Paved - Flexible	5 3 - Fair		1195	40	1195	58	DE2	DM	20	R 23 900	3 Low		R 0	R 0	R 0	R 0	R 23 900
Langeberg	Robertson	10206002	Van Oudtshoorn_020	0.11	Loop	Polack	10	Road - Paved - Flexible	5 2 - Good		1109	40	1109	59	DE2	DM	20	R 22 180	3 Low		R 0	R 0	R 0	R 0	R 22 180
Langeberg	Robertson	10206001	Van Oudtshoorn_030	0.2	Polack	Wavern	10	Road - Paved - Flexible	5 2 - Good		1995	45	1995	66	DE2	DM	20	R 39 900	3 Low		R 0	R 0	R 0	R 0	R 39 900
Langeberg	Robertson	10206001	Van Oudtshoorn_040	0.05	Wavern	Waterkant	10	Road - Paved - Flexible	5 2 - Good		504	44	504	65	DE2	DM	20	R 10 080	3 Low		R 0	R 0	R 0	R 0	R 10 080
Langeberg	Robertson	10206002	Van Riebeeck (RB)_010	0.12	Cul De Sac	Rijger	6.5	Road - Paved - Flexible	5 2 - Good		808	45	808	53	DE2	DM	20	R 16 160	3 Low		R 0	R 0	R 0	R 0	R 16 160
Langeberg	Robertson	10206001	Victoria (RB)_010	0.26	CDS North	Barry	9	Road - Paved - Flexible	5 3 - Fair		2375	48	2375	44	DE2	DM	20	R 47 500	3 Low		R 0	R 0	R 0	R 0	R 47 500
Langeberg	Robertson	10206001	Vierde (RB)_010	0.06	Eerste	Cul De Sac	3.9	Road - Paved - Flexible	5 2 - Good		219	41	219	69	DE2	DM	20	R 4 380	3 Low		R 0	R 0	R 0	R 0	R 4 380
Langeberg	Robertson	10206001	Waterkant (RB)_020	0.04	Smith	Bosheuvel	9.4	Road - Paved - Flexible	5 2 - Good		415	42	415	64	DE2	DM	20	R 8 300	3 Low		R 0	R 0	R 0	R 0	R 8 300
Langeberg	Robertson	10206001	Waterkant (RB)_050	0.08	Dordrecht	Paul Kruger	9.5	Road - Paved - Flexible	5 2 - Good		774	43	774	64	DE2	DM	20	R 15 480	3 Low		R 0	R 0	R 0	R 0	R 15 480
Langeberg	Robertson	10206002	Wavern (RB)_010	0.08	Rodezandt	Gum Grove	6.5	Road - Paved - Flexible	5 2 - Good		522	43	522	63	DE2	DM	20	R 10 440	3 Low		R 0	R 0	R 0	R 0	R 10 440
Langeberg	Robertson	10206002	Wavern (RB)_020	0.08	Gum Grove	Van Oudtshoorn	6.5	Road - Paved - Flexible	5 2 - Good		549	42	549	62	DE2	DM	20	R 10 980	3 Low		R 0	R 0	R 0	R 0	R 10 980
Langeberg	Robertson	10206003	Wesley CDS_010	0.09	CDS North	Wesley Link	6	Road - Paved - Flexible	5 3 - Fair		562	40	562	57	DE2	DM	20	R 11 240	3 Low		R 0	R 0	R 0	R 0	R 11 240
Langeberg	Robertson	10206001	White Street (RB)_020	0.29	Reitz	Paul Kruger	8.6	Road - Paved - Flexible	5 2 - Good		2518	42	2518	63	DE2	DM	20	R 50 380	3 Low		R 0	R 0	R 0	R 0	R 50 380
Langeberg	Robertson	10206001	White Street (RB)_050	0.25	Barry	Keerom	8.6	Road - Paved - Flexible	5 3 - Fair		2106	48	2106	55	DE2	DM	20	R 42 120	3 Low		R 0	R 0	R 0	R 0	R 42 120
Langeberg	Robertson	10206001	White Street (RB)_060	0.25	Keerom	Smal	8.6	Road - Paved - Flexible	5 3 - Fair		2165	49	2165	44	DE2	DM	20	R 43 300	3 Low		R 0	R 0	R 0	R 0	R 43 300
Langeberg	Robertson	10206001	White Street (RB)_070	0.08	Freeman	Begraafplaas 1	8.6	Road - Paved - Flexible	5 2 - Good		699	46	699	67	DE2	DM	20	R 13 980	3 Low		R 0	R 0	R 0	R 0	R 13 980
Langeberg	Robertson	10206001	Willem Nel_010	0.03	Clairvaux	Adderley	6.5	Road - Paved - Flexible	5 1 - Very Good		217	48	217	69	DE2	DM	20	R 4 340	3 Low		R 0	R 0	R 0	R 0	R 4 340
Langeberg	Robertson	10206002	August Street_010	0.16	Burwana	Biko	6.2	Road - Paved - Flexible	4 3 - Fair		1005	33	1005	46	MP15	DM	70	R 70 350	1 High		R 0	R 70 350	R 0	R 0	R 0
Langeberg	Robertson	10206002	August Street_020	0.1	Biko	Dantis	6.2	Road - Paved - Flexible	4 3 - Fair		629	29	629	58	MP15	DM	70	R 44 030	1 High		R 0	R 44 030	R 0	R 0	R 0
Langeberg	Robertson	10206002	Burwana_040	0.06	Masakhane	Hani	6.2	Road - Paved - Flexible	4 2 - Good		394	38	394	45	MP15	DM	70	R 27 580	1 High		R 0	R 27 580	R 0	R 0	R 0
Langeberg	Robertson	10206002	Entlango Street_030	0.21	Bashaye	Nentsa	6.5	Road - Paved - Flexible	4 3 - Fair		1392	39	1392	47	MP15	DM	70	R 97 440	1 High		R 0	R 97 440	R 0	R 0	R 0
Langeberg	Robertson	10206003	Jasmyrn (RB)_030	0.13	Affodil	Nutan	7.3	Road - Paved - Flexible	4 3 - Fair		933	38	933	50	MP15	DM	70	R 65 310	1 High		R 0	R 65 310	R 0	R 0	R 0
Langeberg	Robertson	10206002	Johan de Jongh (RB)_010	0.15	Prov Road	Church	10.2	Road - Paved - Flexible	3 2 - Good		1547	28	1547	63	MP15	DM	70	R 108 290	1 High		R 0	R 108 290	R 0	R 0	R 0
Langeberg	Robertson	10206002	Kerk (RB)_040	0.27	Industria	Denne	8.2	Road - Paved - Flexible	3 3 - Fair		2212	37	2212	45	MP15	DM	70	R 154 840	1 High		R 0	R 154 840	R 0	R 0	R 0
Langeberg	Robertson	10206002	Kerk (RB)_050	0.05	Denne	Lang	7	Road - Paved - Flexible	3 3 - Fair		335	37	335	52	MP15	DM	70	R 23 450	1 High		R 0	R 23 450	R 0	R 0	R 0
Langeberg	Robertson	10206002	Kerk (RB)_070	0.34	Dirkie Uys	Reitz																			

DRAFT ROAD MAINTENANCE PROGRAMME

municipality	town	ward_id	road_link	length_km	fromlink	tolink	paved_width	road_type	func_class	gen_cond_rating	srf_area	srf_cond_index	pvmnt_area	pvmnt_cond_index	treatment	custodian	rate	amount	priority	Yr1	Yr2	Yr3	Yr4	Yr5	
Langeberg	Robertson	10206002	Van Zyl (RB)_080	0.11	Ceder	Bloekom	10	Road - Paved - Flexible	4 2 - Good	1137	44	1137	69	MP15	DM		70	R 79 590	2 Medium	R 0	R 0	R 0	R 0	R 79 590	R 0
Langeberg	Robertson	10206001	Van Zyl (RB)_110	0.03	Dirkie Uys	King	10	Road - Paved - Flexible	4 2 - Good	306	45	306	68	MP15	DM		70	R 21 420	2 Medium	R 0	R 0	R 0	R 0	R 21 420	R 0
Langeberg	Robertson	10206001	Van Zyl (RB)_120	0.14	King	Neethling	10	Road - Paved - Flexible	4 2 - Good	1403	42	1403	66	MP15	DM		70	R 98 210	2 Medium	R 0	R 0	R 0	R 0	R 98 210	R 0
Langeberg	Robertson	10206001	Van Zyl (RB)_130	0.11	Neethling	Van Oudtshoorn	10	Road - Paved - Flexible	4 2 - Good	1101	42	1101	59	MP15	DM		70	R 77 070	2 Medium	R 0	R 0	R 0	R 0	R 77 070	R 0
Langeberg	Robertson	10206001	Van Zyl (RB)_140	0.06	Van Oudtshoorn	Reitz	10	Road - Paved - Flexible	4 1 - Very Good	611	47	611	70	MP15	DM		70	R 42 770	2 Medium	R 0	R 0	R 0	R 0	R 42 770	R 0
Langeberg	Robertson	10206001	Van Zyl (RB)_150	0.29	Reitz	Paul Kruger	10	Road - Paved - Flexible	4 2 - Good	2899	41	2899	57	MP15	DM		70	R 203 000	2 Medium	R 0	R 0	R 0	R 0	R 203 000	R 0
Langeberg	Robertson	10206006	Watsonia (RB)_020	0.06	Petunia	Rosita	7.3	Road - Paved - Flexible	4 2 - Good	468	40	468	58	MP15	DM		70	R 32 760	2 Medium	R 0	R 0	R 0	R 0	R 32 760	R 0
Langeberg	Robertson	10206003	Watsonia (RB)_050	0.05	Plein	Nutan	7.3	Road - Paved - Flexible	4 2 - Good	368	48	368	49	MP15	DM		70	R 25 760	2 Medium	R 0	R 0	R 0	R 0	R 25 760	R 0
Langeberg	Robertson	10206003	Watsonia (RB)_070	0.07	Japonika	Jasmyn	7.3	Road - Paved - Flexible	4 2 - Good	501	40	501	58	MP15	DM		70	R 35 070	2 Medium	R 0	R 0	R 0	R 0	R 35 070	R 0
Langeberg	Robertson	10206003	Wesley_010	0.11	Paddy	Wesley Link	6.4	Road - Paved - Flexible	4 2 - Good	691	40	691	43	MP15	DM		70	R 48 370	2 Medium	R 0	R 0	R 0	R 0	R 48 370	R 0
Langeberg	Robertson	10206001	Barry (RB)_090	0.06	Robertson	Van Reenen	11.5	Road - Paved - Flexible	4 2 - Good	731	29	731	28	REH	DM		300	R 219 300	1 High	R 0	R 219 300	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Jasmyn (RB)_010	0.13	Paddy	Saayman	7.3	Road - Paved - Flexible	4 3 - Fair	956	15	956	16	REH	DM		300	R 286 800	1 High	R 286 800	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Jasmyn (RB)_020	0.1	Saayman	Affodil	7.3	Road - Paved - Flexible	4 3 - Fair	693	20	693	25	REH	DM		300	R 207 900	1 High	R 207 900	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Jasmyn (RB)_040	0.37	Nutan	Dahlia	7.3	Road - Paved - Flexible	4 4 - Poor	2718	0	2718	11	REH	DM		300	R 815 400	1 High	R 815 400	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Johan de Jongh (RB)_030	0.67	Van Zyl	Van Zyl + 500m	7	Road - Paved - Flexible	4 4 - Poor	4704	27	4704	7	REH	DM		300	R 1 411 200	1 High	R 0	R 1 411 200	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Johan de Jongh (RB)_050	0.42	Van Oudtshoorn	Paul Kruger	7	Road - Paved - Flexible	4 4 - Poor	2967	25	2967	24	REH	DM		300	R 890 100	1 High	R 0	R 890 100	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Kerk (RB)_010	0.36	Johan de Jongh	Toets Sentrum	8.2	Road - Paved - Flexible	3 4 - Poor	2909	13	2909	18	REH	DM		300	R 872 700	1 High	R 872 700	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Kerk (RB)_060	0.52	Lang	Dirkie Uys	7.6	Road - Paved - Flexible	3 4 - Poor	3968	32	3968	14	REH	DM		300	R 1 190 400	1 High	R 0	R 1 190 400	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Nentsa Street_010	0.08	Dantis	Peter	6.2	Road - Paved - Flexible	4 4 - Poor	522	4	522	14	REH	DM		300	R 156 600	1 High	R 156 600	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206006	Paddy_090	0.13	Langeberg	Nerina	7.4	Road - Paved - Flexible	4 3 - Fair	948	9	948	8	REH	DM		300	R 284 400	1 High	R 284 400	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206003	Paddy_100	0.15	Nerina	Jasmyn	7.4	Road - Paved - Flexible	4 3 - Fair	1105	26	1105	25	REH	DM		300	R 331 500	1 High	R 0	R 331 500	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206001	Swellendam_010	0.11	Barry	Piet Retief	12	Road - Paved - Flexible	4 3 - Fair	1318	35	1318	26	REH	DM		300	R 395 400	1 High	R 0	R 395 400	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Wolhuter Street_010	0.11	Prov Road	Straat	8	Road - Paved - Flexible	4 4 - Poor	853	23	853	26	REH	DM		300	R 255 900	1 High	R 255 900	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Wolhuter Street_020	0.33	Prov Road	Straat	8	Road - Paved - Flexible	4 5 - Very Poor	2650	17	2650	14	REH	DM		300	R 795 000	1 High	R 795 000	R 0	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Wolhuter Street_040	0.42	Volt	Hani	8	Road - Paved - Flexible	4 3 - Fair	3330	34	3330	23	REH	DM		300	R 999 000	1 High	R 0	R 999 000	R 0	R 0	R 0	R 0
Langeberg	Robertson	10206002	Burwana_010	0.07	Voortrekker	Spoorlyn Serv	8	Road - Paved - Flexible	4 3 - Fair	562	27	562	30	REH	DM		300	R 168 600	2 Medium	R 0	R 0	R 168 600	R 0	R 0	
Langeberg	Robertson	10206002	Johan de Jongh (RB)_040	0.65	De Hoop	Van Oudtshoorn	7	Road - Paved - Flexible	4 4 - Poor	4577	34	4577	33	REH	DM		300	R 1 373 100	2 Medium	R 0	R 0	R 1 373 100	R 0	R 0	
Langeberg	Robertson	10206002	Nentsa Street_030	0.05	Dwarha	Luthuli	6.2	Road - Paved - Flexible	4 3 - Fair	300	22	300	32	REH	DM		300	R 90 000	2 Medium	R 0	R 0	R 90 000	R 0	R 0	
Langeberg	Robertson	10206002	Paul Kruger (RB)_010	0.11	Voortrekker	Konstusie	11.5	Road - Paved - Flexible	3 4 - Poor	1351	33	1351	34	REH	DM		300	R 405 300	2 Medium	R 0	R 0	R 405 300	R 0	R 0	
Langeberg	Robertson	10206003	Paul Kruger (RB)_170	0.26	Waterkant	Coetzee	8	Road - Paved - Flexible	4 3 - Fair	2073	32	2073	34	REH	DM		300	R 621 900	2 Medium	R 0	R 0	R 621 900	R 0	R 0	
Langeberg	Robertson	10206006	Watsonia (RB)_030	0.07	Rosita	Sonneblom	7.3	Road - Paved - Flexible	4 3 - Fair	488	35	488	30	REH	DM		300	R 146 400	2 Medium	R 0	R 0	R 0	R 146 400	R 0	
Langeberg	Robertson	10206002	Wolhuter Street_030	0.13	Straat	Volt	8	Road - Paved - Flexible	4 3 - Fair	1025	44	1025	30	REH	DM		300	R 307 500	2 Medium	R 0	R 0	R 0	R 307 500	R 0	
Langeberg	Robertson	10206002	Adderley_070	0.11	Paul Kruger	Piet Retief	9	Road - Paved - Flexible	5 3 - Fair	990	29	990	35	SL2	DM		40	R 39 600	3 Low	R 0	R 0	R 0	R 0	R 39 600	
Langeberg	Robertson	10206002	Bashaye Street_010	0.05	Entlango	Nkqubela 5	4	Road - Paved - Flexible	5 2 - Good	198	43	198	38	SL2	DM		40	R 7 920	3 Low	R 0	R 0	R 0	R 0	R 7 920	
Langeberg	Robertson	10206002	Bashaye Street_030	0.07	Nkqubela 6	Nentsa	4	Road - Paved - Flexible	5 1 - Very Good	296	44	296	40	SL2	DM		40	R 11 840	3 Low	R 0	R 0	R 0	R 0	R 11 840	
Langeberg	Robertson	10206002	Bloekom (RB)_010	0.33	Jakaranda	Van Zyl	6.5	Road - Paved - Flexible	5 3 - Fair	2173	29	2173	36	SL2	DM		40	R 86 920	3 Low	R 0	R 0	R 0	R 0	R 86 920	
Langeberg	Robertson	10206002	Cedar Avenue (RB)_020	0.11	Jakaranda	Eben Donges	6.5	Road - Paved - Flexible	5 3 - Fair	724	34	724	40	SL2	DM		40	R 28 960	3 Low	R 0	R 0	R 0	R 0	R 28 960	
Langeberg	Robertson	10206001	Clairvaux_010	0.04	Willem Nel	CDS North	6.5	Road - Paved - Flexible	5 3 - Fair	243	39	243	39	SL2	DM		40	R 9 720	3 Low	R 0	R 0	R 0	R 0	R 9 720	
Langeberg	Robertson	10206003	Coetzee_040	0.14	Anthony	Unnamed Road 0007	9.2	Road - Paved - Flexible	5 3 - Fair	1273	37	1273	39	SL2	DM		40	R 50 920	3 Low	R 0	R 0	R 0	R 0	R 50 920	
Langeberg	Robertson	10206003	Coligny (RB)_010	0.16	Bergsig	Dagbreek	5.2	Road - Paved - Flexible	5 3 - Fair	833	26	833	37	SL2	DM		40	R 33 320	3 Low	R 0	R 0	R 0	R 0	R 33 320	
Langeberg	Robertson	10206003	Dahlia (RB)_010	0.27	Nutan	Jasmyn	5.2	Road - Paved - Flexible	5 4 - Poor	1394	15	1394	38	SL2	DM		40	R 55 760	3 Low	R 0	R 0	R 0	R 0	R 55 760	
Langeberg	Robertson	10206002	Drommedaris (RB)_030	0.15	Buren	Van Zyl	6.5	Road - Paved - Flexible	5 2 - Good	958	37	958	39	SL2	DM		40	R 38 320	3 Low	R 0	R 0	R 0	R 0	R 38 320	
Langeberg	Robertson	10206003	Heide (RB)_020	0.22	Vygie	Protea	5.2	Road - Paved - Flexible	5 3 - Fair	1122	39	1122	38	SL2	DM		40	R 44 880	3 Low	R 0	R 0	R 0	R 0	R 44 880	
Langeberg	Robertson	10206002	Hoop (RB)_010	0.29	Dirkie Uys	Reitz	9	Road - Paved - Flexible	5 3 - Fair	2592	33	2592	37	SL2	DM		40	R 103 680	3 Low	R 0	R 0	R 0	R 0	R 103 680	
Langeberg	Robertson	10206002	Hoop (RB)_020	0.29	Reitz	Paul Kruger	9	Road - Paved - Flexible	5 4 - Poor	2640	30	2640	36	SL2	DM		40	R 105 600	3 Low	R 0	R 0	R 0	R 0	R 105 600	
Langeberg	Robertson	10206002	Hoop (RB)_030	0.11	Paul Kruger	Piet Retief	9	Road - Paved - Flexible	5 3 - Fair	996	37	996	39	SL2	DM		40	R 39 840	3 Low	R 0	R 0	R 0	R 0	R 39 840	
Langeberg	Robertson	10206002	Konstusie_010	0.24	Voortrekker	Dirkie Uys	10.2	Road - Paved - Flexible	5 3 - Fair	2536	16	2536	36	SL2	DM		40	R 101 440	3 Low	R 0	R 0	R 0	R 0	R 101 440	
Langeberg	Robertson	10206001	Konstusie_050	0.11	Piet Retief	Barry	9	Road - Paved - Flexible	5 3 - Fair	952	33	952	39	SL2	DM		40	R 38 080	3 Low	R 0	R 0	R 0	R 0	R 38 080	
Langeberg	Robertson	10206002	Lang (RB)_010	0.25	Adderley	Kerk	8	Road - Paved - Flexible	5 3 - Fair	1987	29	1987	36	SL2	DM		40	R 79 480	3 Low	R 0	R 0	R 0	R 0	R 79 480	
Langeberg	Robertson	10206001	Le Roux (RB)_010	0.24	Hopley	Keerom	8.6	Road - Paved - Flexible	5 3 - Fair	2049	34	2049	38	SL2	DM		40	R 81 960	3 Low	R 0	R 0	R 0	R 0	R 81 960	
Langeberg	Robertson	10206001	Le Roux (RB)_030	0.11	Barry	Piet Retief	8.6	Road - Paved - Flexible	5 3 - Fair	946	37	946	35	SL2	DM		40	R 37 840	3 Low	R 0	R 0	R 0	R 0	R 37 840	
Langeberg	Robertson	10206006	Malva Street (RB)_030	0.17	Muller	Nerina	5.2	Road - Paved - Flexible	5 3 - Fair	867	34	867	40	SL2	DM		40	R 34 680	3 Low	R 0	R 0	R 0	R 0	R 34 680	
Langeberg	Robertson	10206002	Nokhonya_020	0.07	Burwana	Mzola	5.8	Road - Paved - Flexible	5 2 - Good	400	46	400	39	SL2	DM		40	R 16 000	3 Low	R 0	R 0	R 0	R 0	R 16 000	
Langeberg	Robertson	10206001	Polack_040	0.11	Barry	Piet Retief	8	Road - Paved - Flexible	5 3 - Fair	872	29	872	37	SL2	DM		40	R 34 880	3 Low	R 0	R 0	R 0	R 0	R 34 880	
Langeberg	Robertson	10206001	Polack_060	0.26	Paul Kruger	Ash	8	Road - Paved - Flexible	5 3 - Fair	2103	33	2103	36	SL2	DM		40	R 84 120	3 Low	R 0	R 0	R 0	R 0	R 84 120	
Langeberg	Robertson	10206002	Reitz (RB)_030	0.12	Adderley	Victoria	10	Road - Paved - Flexible	5 3 - Fair	1157	41	1157	38	SL2	DM		40	R 46 280	3 Low	R 0	R 0	R 0	R 0	R 46 280	
Langeberg	Robertson	10206001	Reitz (RB)_070	0.12	White	Van Reenen	10	Road - Paved -																	

APPENDIX E: PROPOSED ROAD TREATMENT MAPS



Ashton

Cape Winelands
Road Management System:
Recommended Treatments

Legend

Proposed Treatment

- Rehab
- New Block
- 25mm AC
- Micro-Paving
- Patch & Slurry
- Cr Seal & Slurry
- Cr Seal and DE



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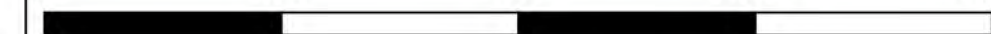
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0 400 800 1200 1600 m





Ashton - Zolani

Cape Winelands
Road Management System:
Recommended Treatments

Legend

Proposed Treatment

- 25mm AC
- Micro-Paving
- Cr Seal and DE



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Langeberg NU

Ashton

Ashton

0 100 200 300 400 m



Bonnievale

Cape Winelands
Road Management System:
Recommended Treatments

Legend

Proposed Treatment

- Rehab
- New Block
- 25mm AC
- Micro-Paving
- Patch & Slurry
- Cr Seal & Slurry
- Cr Seal and DE



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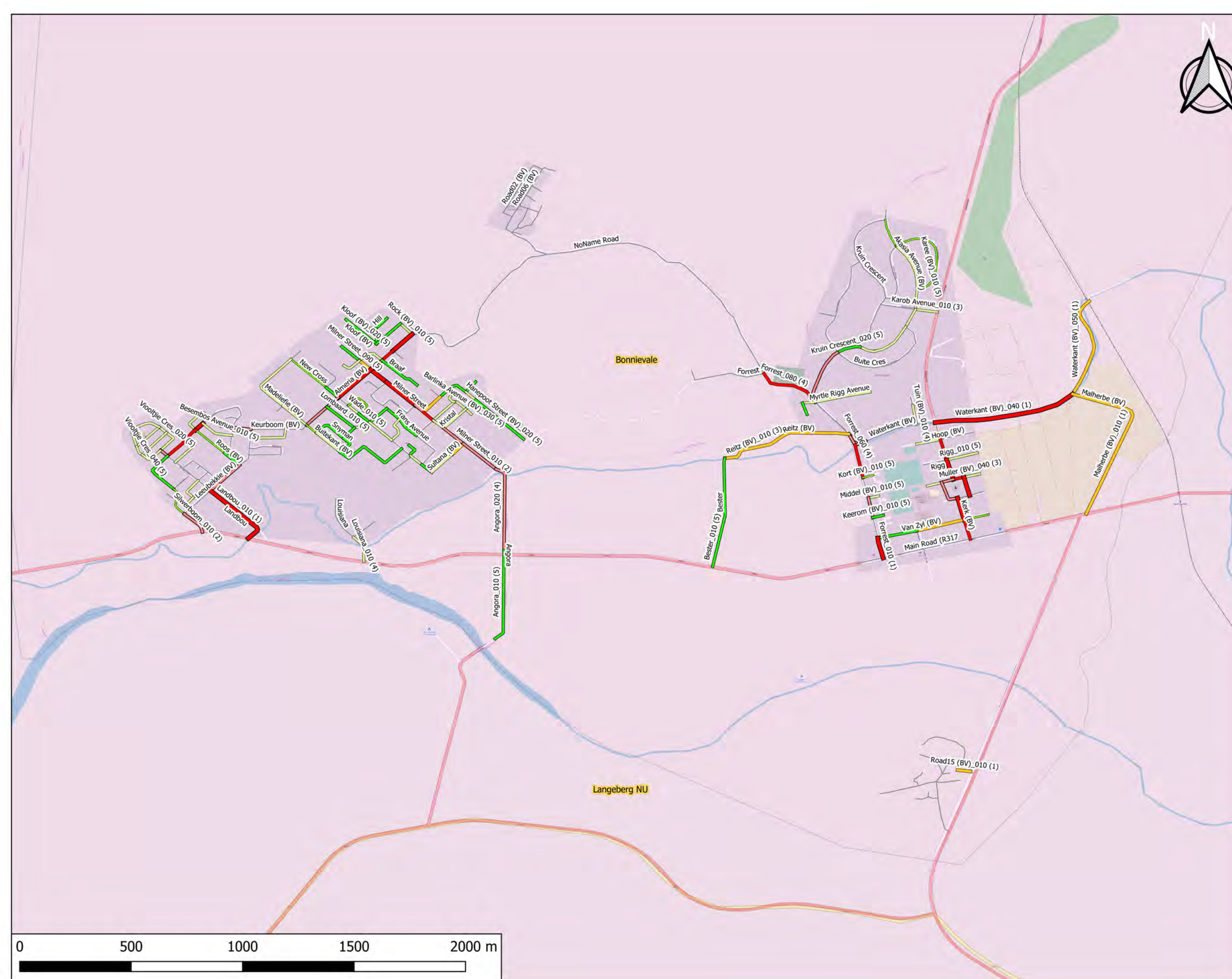
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0 500 1000 1500 2000 m





McGregor

Cape Winelands
Road Management System:
Recommended Treatments

Legend

Proposed Treatment

- Rehab
- New Block
- Patch & Slurry
- Cr Seal & Slurry
- Cr Seal and DE

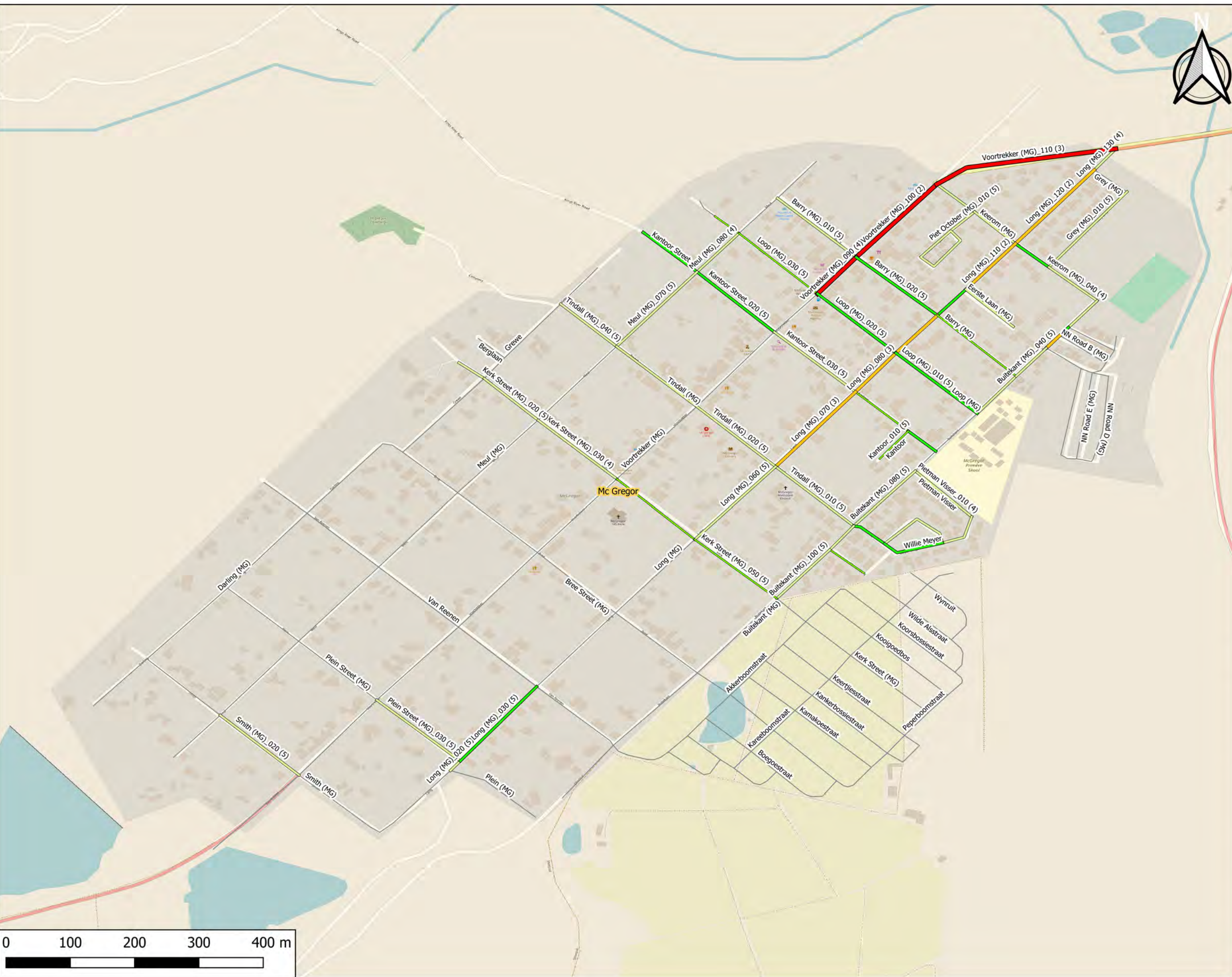


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Montagu

Cape Winelands
Road Management System:
Recommended Treatments

Legend

Proposed Treatment

- Rehab
- New Block
- 25mm AC
- Micro-Paving
- Patch & Slurry
- Cr Seal & Slurry
- Cr Seal and DE



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0 500 1000 1500 2000 m





Robertson

Cape Winelands
Road Management System:
Recommended Treatments

Legend

Proposed Treatment

- Rehab
- New Block
- 25mm AC
- Micro-Paving
- Patch & Slurry
- Cr Seal & Slurry
- Cr Seal and DE



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Langeberg NU

Robertson

Robertson

0 600 1200 1800 2400 m