

ASSET MANAGEMENT STRATEGY – MOUNT BARKER PATHWAYS IMPROVEMENT PROGRAM

Pathways Improvement Program Proposal

Meeting Date: 14 December 2021

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Pathways Improvement Program Proposal

SoP/LCRIP-3 Funded

2021/22 to 2022/23

November 2021

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Overview

The current pathways in Mount Barker are in various states of deterioration with over 30% of them being in poor or Very Poor Condition. This program aims to prioritise the works required to upgrade the existing network over a two year period using a combination of municipal and LRCIP-3 program funding. By rationalising, upgrading and construction new footpaths to a standard that will meet the requirements of all users into the future.

With funding available from the LCRIP-3 totalling \$150,000 and a contribution from the annual Council budget of around \$75,000 per year for the next two years for a total of \$300,000 we will be able to undertake the required works on 19 footpaths within the Mount Barker townsite.

There are three paths in this proposal that require extra works to improve the standard of the area:

- Hassell Street – The proposal is to construct a new footpath along the western side of the road and dispose of the bitumen paths on the eastern side of the road.
- Langton Road - The trees along this section of path are causing issues with their shallow root systems. Extra streetscaping works combined with a road surface renewal, improved drainage and new trees as outlined on page 24 would improve the visual amenity for Langton Road.

These improvements would improve the overall amenity and aesthetics of these areas.

Asset status

This section clarifies the use of certain terms within this document:

New

- Construction of a new foot path to a 2 metre x 25mm asphalt surface on a minimum 100mm compacted gravel base with a tack coat applied prior to the asphalt being laid.

Upgrade

- Improving the current serviceability of the path. The upgrade plan is to apply a 25mm asphalt overlay to the existing bituminous surface at 2 metres wide over the existing length.
- There a number of footpaths in town that also serve as a verge treatment, this is where the verge has been sealed with a 7mm chip seal (bituminous seal) from the property boundary to the roadside kerbing. On the steeper sections of the verge the verge treatment will be renewed so that it will assist in controlling erosion issues from these areas.
- In areas that do not require a verge treatment as the road verge is relatively flat, there are three options:
 - a) Reinstate the verge to gravel with the current surface blended with 1% concrete.
 - b) Renew the current area outside of the path alignment with a 7mm chip seal. or
 - c) Leave as is, install signage to alert users that it is a verge treatment and not a footpath, direct pedestrians to path on opposite side of the road where applicable.

Disposal

- Retiring an asset that is at the end of its useful life. In relation to footpaths this would involve returning the road verge to its natural state. This report offers two options:
 - Retain the road verge in a sealed state. This is proposed on the roads where there is a steep transition from the property boundary to the back of Kerb, referred to as a verge treatment. Patching the existing surface with a 7mm chip and bitumen similar to patching a pothole on a road surface.
 - Reinstating the verge to a gravel state, mixing the current surface with a 1% concrete mix to assist in stabilising the verge.

Supporting Strategies

- Shire of Plantagenet Strategic Asset Management Plan parts 1 and 2
- Policy A/PA/15 – Asset Management

Financial Summary

In order of Disposal, Upgrade and New:

Road	Program	Year	Total
Montem St	Disposal	2021/22	\$4,972
Margaret St	Disposal	2021/22	\$2,200
Mount Barker Rd	Disposal	2021/22	\$2,156
Narpund Rd	Disposal	2022/23	\$2,134
Eaton Ave	Disposal	2022/23	\$2,156
Lord St	Disposal	2022/23	\$2,376
Hassell St	Disposal	2022/23	\$6,468
Bonnyup St	Disposal	2022/23	\$2,464
Langton Road	Disposal	2022/23	\$11,726
Parsons St	Disposal/Upgrade	2021/22	\$20,906
Deane St	Disposal/Upgrade	2021/22	\$18,099
Mount Barker Rd	Upgrade	2021/22	\$24,774
Ormond St	Upgrade	2021/22	\$57,861
Ingoldby St	Upgrade	2021/22	\$36,532
Nunarrup St	Upgrade	2022/23	\$27,138
Menston St	Upgrade	2022/23	\$13,858
Narpund / Osborne Rd	Upgrade	2022/23	\$9,731
Hassell St	New	2022/23	\$40,508
TOTAL			\$286,059

In Year order:

Road	Program	Year	Total	Running Total
Mount Barker Rd	Upgrade	2021/22	\$24,774	\$24,774
Ormond St	Upgrade	2021/22	\$57,861	\$82,635
Ingoldby St	Upgrade	2021/22	\$36,532	\$119,167
Montem St	Disposal	2021/22	\$4,972	\$124,139
Margaret St	Disposal	2021/22	\$2,200	\$126,339
Mount Barker Rd	Disposal	2021/22	\$2,156	\$128,495
Parsons St	Disposal/Upgrade	2021/22	\$20,906	\$149,401
Deane St	Disposal/Upgrade	2021/22	\$18,099	\$167,500
Hassell St	New	2022/23	\$40,508	\$40,508
Nunarrup St	Upgrade	2022/23	\$27,138	\$67,646
Menston St	Upgrade	2022/23	\$13,858	\$81,504
Narpund / Osborne Rd	Upgrade	2022/23	\$9,731	\$91,235
Narpund Rd	Disposal	2022/23	\$2,134	\$93,369
Eaton Ave	Disposal	2022/23	\$2,156	\$95,525
Lord St	Disposal	2022/23	\$2,376	\$97,901
Hassell St	Disposal	2022/23	\$6,468	\$104,369
Bonnyup St	Disposal	2022/23	\$2,464	\$106,833
Langton Road	Disposal	2022/23	\$11,726	\$118,559
TOTAL				\$286,059

The other works to improve Langton Road have not been included in the tables above. The additional estimated cost required to undertake the extra works proposed to complement the footpath improvement would be:

- Remove trees and renew existing path \$31,713 (See page 14)
- Additional streetscape works including construction of a swale drain and small check dams on verge uphill from intersecting road - \$248,061.00 (See page 15)

Detailed Proposals

Project:		Program	Year	Current Condition		
Montem St #10 Montem St to Mount Barker Rd Menston St to Marmion St		Disposal	2021/22	(5) Very Poor		
Scope	Verge Reinstatement Blend existing surface, 1% cement stabilize, water bind & compact					
ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works					100%
	Length mts	285 & 55m				340
Cost Estimate						
Activity		Unit	Quantity	Rate	Amount	
Verge Reinstatement		LM	340	\$8	\$2,720	
Traffic Management		Hr	10	\$180	\$1,800	
Contingency		%	10		\$452	
Total					\$4,972	
Location Plan						
<p>Proposed Works</p> <p>Condition</p> <p>Proposed Average</p> <p>Excellent poor</p> <p>Good Very Poor</p>				<p>Disclaimer</p> <p>The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>		

Note:

An option here would be to leave the small 55 metre section from Mount Barker Road to the East as a verge treatment reducing the cost by \$880.00, reducing the Total to \$3,300.00.

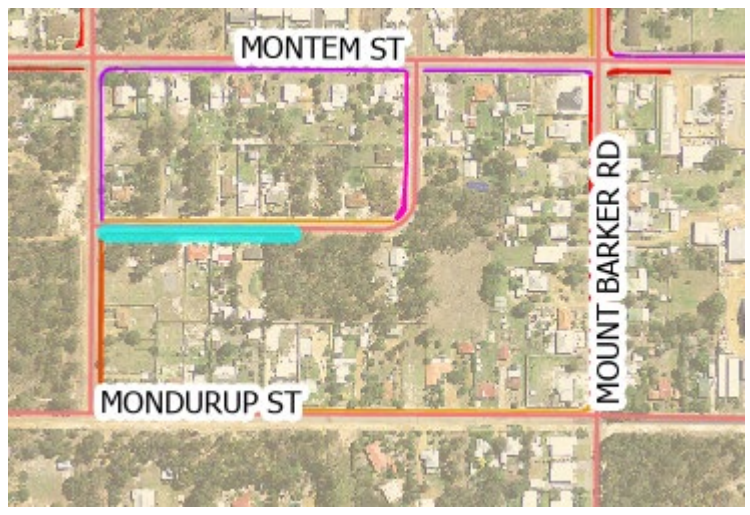
Project:	Program	Year	Current Condition
Margaret St Menston St to #12 Margaret St	Disposal	2021/22	(5) Very Poor


Scope	Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact					
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works					100%
	Length mts	80m				80m

Cost Estimate					
Activity	Unit	Quantity	Rate	Amount	
Verge Reinstatement	LM	160	\$8.00	\$1,280	
Traffic Management	Hr	4	\$180	\$720	
Contingency	%	10		\$200	
Total:				\$2,200	

Location Plan



<p>Proposed Works</p> <p>Condition</p> <p> ■ Proposed ■ Excellent ■ Good ■ Poor </p>		<p> ■ Average ■ poor ■ Very </p>		<p>Disclaimer</p> <p>The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>
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Project:	Program	Year	Current Condition
Mount Barker Rd Marion St to Montem St	Disposal	2021/22	(5) Very Poor

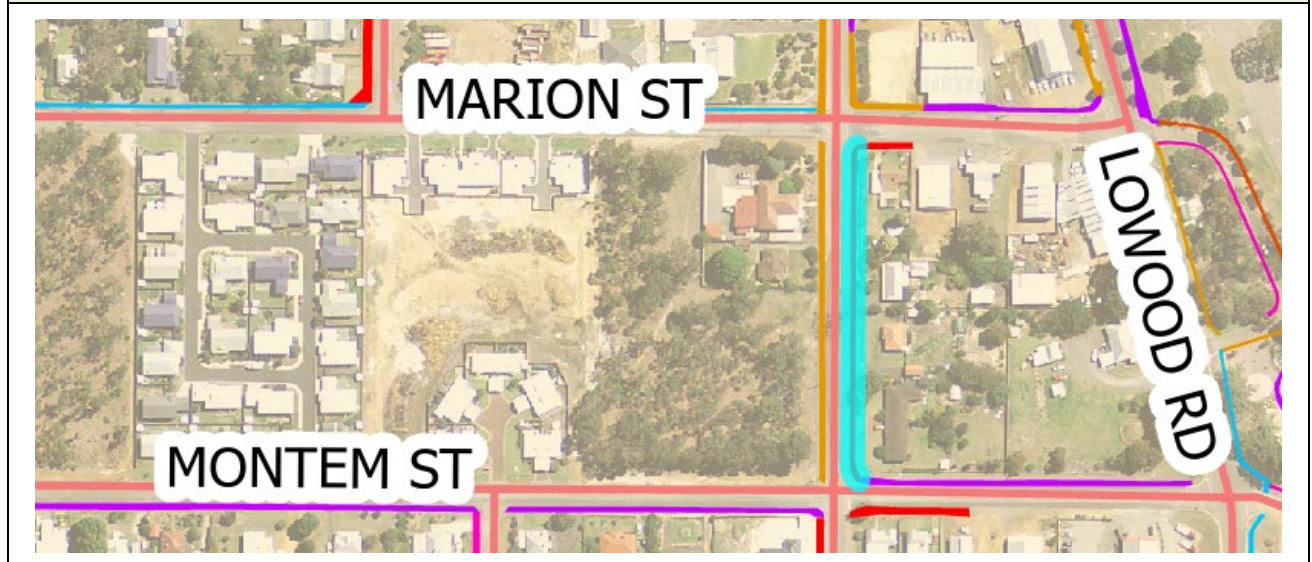
Scope	Verge Reinstatement. Blend existing surface, cement stabilize, water bind & compact					
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	%Works					100%
	Length mts	155m				155m

Cost Estimate

Activity	Unit	Quantity	Rate	Amount
Verge Reinstatement	LM	155	\$8.00	\$1,240
Traffic Management	² M	4	\$180	\$720
Contingency	%	10		\$196
Total:				\$2,156

Location Plan



<p>Condition</p> <p> ■ Proposed ■ Average ■ poor ■ Very Poor </p>			<p>Disclaimer</p> <p>The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>
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Project:	Program	Year	Current Condition			
Narpund Rd Hassell St to Western Boundary Lot 569	Disposal	2022/23	(5) Very Poor			
Scope	Opt 1) - Verge Reinstatement. Blend existing surface, cement stabilize, water bind & compact Opt 2) - Patch and retain as a verge treatment.					
ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works					100%
	Length mts	280m				280m
Cost Estimate Opt 1)						
Activity	Unit	Quantity	Rate	Amount		
Verge Reinstatement	² M	280	\$8.00	\$2,240		
Traffic Management	² M	4	\$180	\$720		
Contingency	%	10		\$296		
Total				\$3,256		
Cost Estimate Opt 2)						
Activity	Unit	Quantity	Rate	Amount		
Patch existing Verge Treatment	² M	610	\$2.00	\$1,220		
Traffic Management	² M	4	\$180	\$720		
Contingency	%	10		\$194		
Total				\$2,134		
Location Plan						
Proposed Works			Disclaimer The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1			
Condition Proposed Excellent Good		Average poor Very Poor				

Note:

The verge along this Narpund Road is quite steep in sections, the verge is currently sealed from the property boundary through to the back of the kerbing.

Recommend the patching option to avoid potential erosion issues.

Project:	Program	Year	Current Condition			
Eaton Ave Langton Rd to Marion St	Disposal	2022/23	(5) Very Poor			
Scope	Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact					
ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	Sub Class					100%
Cost Estimate						
Activity	Unit	Quantity	Rate	Amount		
Verge Reinstatement	LM	200	\$8.00	\$1,600		
Traffic Management	² M	2	\$180	\$360		
Contingency	%	10		\$196		
Total				\$2,156		

Location Plan



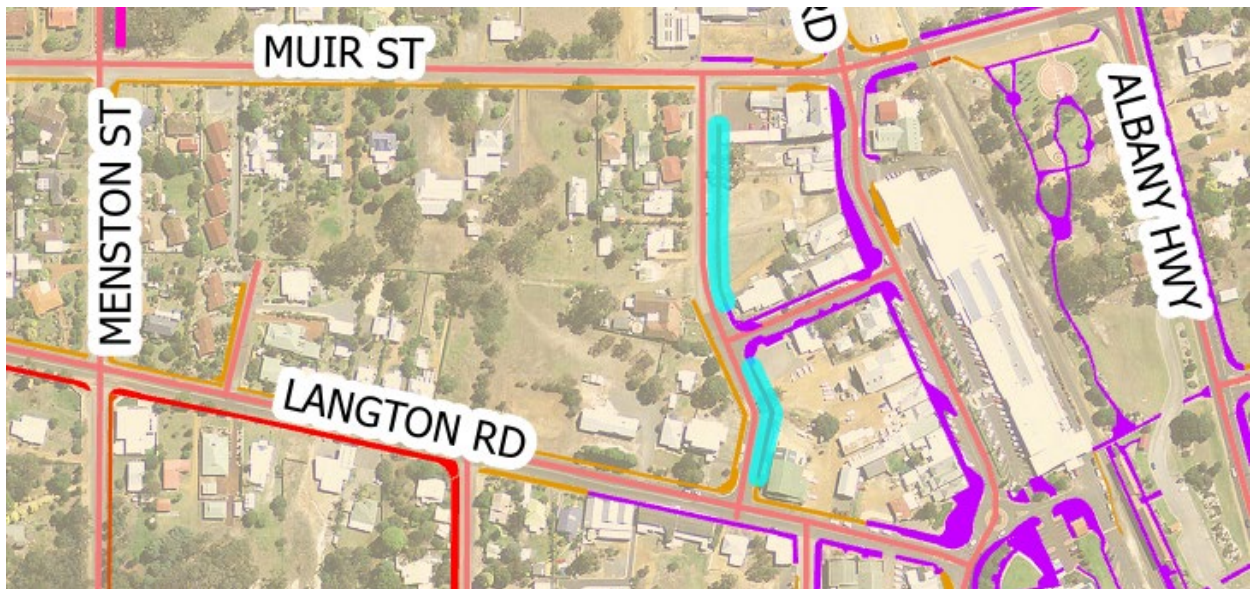
- █ Proposed Works
- Condition**
- █ Proposed
 - █ Excellent
 - █ Good
 - █ Average
 - █ poor
 - █ Very Poor



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Project:		Program	Year	Current Condition		
Lord St Muir St to Langton Road		Disposal	2022/23	(5) Very Poor		
Scope	Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact					
ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	Sub Class					100%
Cost Estimate						
Activity	Unit	Quantity	Rate	Amount		
Verge Reinstatement	LM	180	\$8.00	\$1,440		
Traffic Management	² M	4	\$180	\$720		
Contingency	%	10		\$216		
Total				\$2,376		

Location Plan



- Proposed Works**
- Condition**
- Proposed
 - Excellent
 - Good
 - Average
 - poor
 - Very Poor



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Project:	Program	Year	Current Condition
Hassell St Muir St to Langton Road	Disposal	2022/23	(5) Very Poor

Scope	Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact					
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	Sub Class					

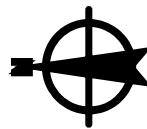
Cost Estimate

Activity	Unit	Quantity	Rate	Amount
Verge Reinstatement	LM	510	\$8.00	\$4,080
Traffic Management	² M	10	\$180	\$1,800
Contingency	%	10		\$588
Total				\$6,468

Location Plan



- Proposed Works
- Condition**
- Proposed
 - Excellent
 - Good
 - Average
 - poor
 - Very Poor



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Project:	Program	Year	Current Condition
Bonnyup St Hassell St to Hassell St	Disposal	2022/23	(5) Very Poor

Scope	Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact					
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	Sub Class					100%

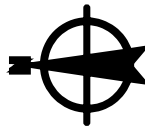
Cost Estimate

Activity	Unit	Quantity	Rate	Amount
Verge Reinstatement	LM	190	\$8.00	\$1,520
Traffic Management	² M	4	\$180	\$720
Contingency	%	10		\$224
Total				\$2,464

Location Plan



- Proposed Works
Condition
■ Proposed ■ Average
■ Excellent ■ poor
■ Good ■ Very Poor




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Project:	Program	Year	Current Condition			
Langton Road	Disposal	2022/23	(5) Very Poor			
Scope	Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact					
ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	Sub Class					100%
Cost Estimate						
Activity	Unit	Quantity	Rate	Amount		
Verge Reinstatement	LM	410	\$8.00	\$3,280		
Traffic Management	² M	20	\$180	\$3,600		
Tree Removal	Ea	21	\$180	\$3,780		
Contingency	%	10		\$10,660		
Total				\$11,726		

Location Plan



<p>■ Proposed Works</p> <p>Condition</p> <table border="0"> <tr> <td>■ Proposed</td> <td>■ Average</td> </tr> <tr> <td>■ Excellent</td> <td>■ poor</td> </tr> <tr> <td>■ Good</td> <td>■ Very Poor</td> </tr> </table>	■ Proposed	■ Average	■ Excellent	■ poor	■ Good	■ Very Poor		<p>Disclaimer The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>
■ Proposed	■ Average							
■ Excellent	■ poor							
■ Good	■ Very Poor							









Option 2

Remove trees and renew existing path

Scope	Remove trees, Box out to 100mm, import 100mm gravel and compact Apply 2 coat seal 7/5mm Replant trees in road carriageway 2.5 mts from Kerbing				
Activity	Unit	Quantity	Rate	Amount	
Verge Reinstatement	² M	820	\$15.00	\$12,300	
Traffic Management	² M	30	\$180	\$5,400	
Tree Removal	Ea	21	\$180	\$3,780	
Tree Replacement				\$7,350	
Contingency	%	10		\$2,883	
Total				\$31,713	

Option 3

Complementary works

Project:		Program		Year		Current Condition	
Langton Road Street Scope		Upgrade		2022/23			
Scope		Remove barrier kerbing from southern side of the road Cut existing surface 4.6m south from the current centreline Remove existing seal from cut line to the kerbing Construct Swale Drain and small check dams on verge uphill from intersecting road, tie into existing crossovers					
ASSET INFORMATION		Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
		Sub Class					100%
Cost Estimate							
Activity	Unit	Quantity		Rate		Amount	
Cut bitumen, Trench, install flush kerbing	Lm	410		\$100		\$41,000	
Reseal 5 & 7 mm chip blend	² M	8020		\$5.5		\$44,110	
Remove Kerbing, construct rip rap swale drain and small check dams where gradient is greater than 4% and tie into existing road crossing.	Lm	320		\$115		\$36,800	
Street trees and sedges removal and replanting.	Ea	21/100		\$350		\$11,500	
Survey & Design	%	20				\$38,100	
Traffic Management	² M	200		\$270		\$54,000	
Contingency	%	10				\$22,551	
Total						\$248,061	
Location Plan							
							
 Proposed Works		Disclaimer The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1					
Condition  Excellent  Good		 Average  poor  Very Poor					

Option 1 only is recommended at this stage.

Project:	Program	Year	Current Condition
Parsons St Deane St to Fellows St	Disposal	2021/22	(5) Very Poor (North)
	Upgrade	2021/22	(4) Upgrade (South)

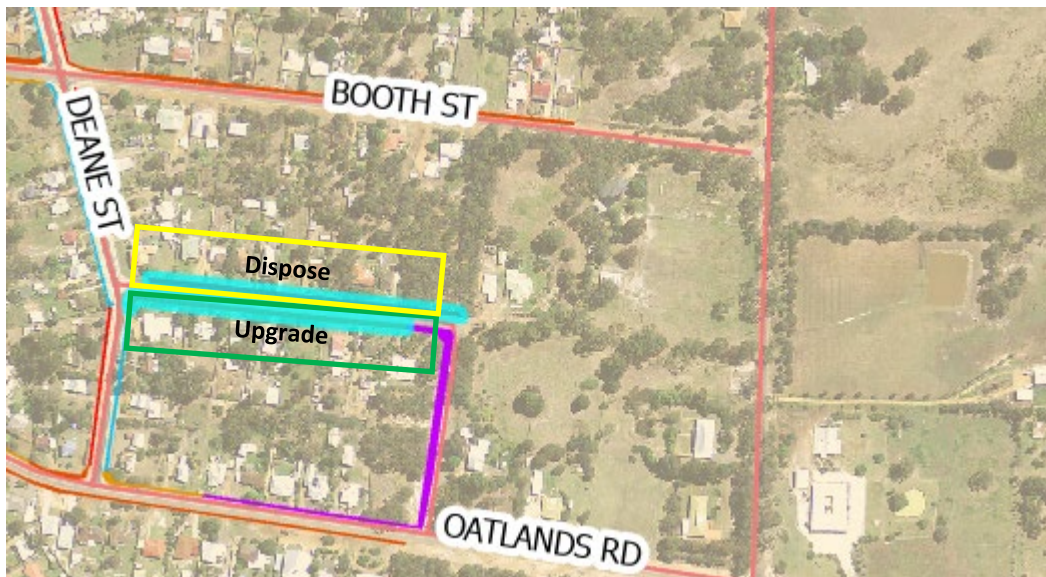
Scope	Northern path: Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact,
	Southern Path: <ul style="list-style-type: none"> • Prune and remove vegetation from the existing surface and clearance zone, • Sweep and patch existing path surface, • Apply 25mm hot asphalt to 2 width central to existing seal, • Tie into or lift existing serves to match level of new path, • Tie into existing crossovers.

ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works			100%		100%
	Length mts	225 & 225		225		225

Cost Estimate

Activity	Unit	Quantity	Rate	Amount
Patch and Sweep	²M	500	\$2.83	\$1,415
Apply 25mm Asphalt overlay	²M	500	\$28.30	\$14,150
Verge Reinstatement (North)	LM	250	\$8.00	\$2,000
Traffic Management	Hr	8	180	\$1,440
Contingency	%	10		\$1,901
Total				\$20,906

Location Plan



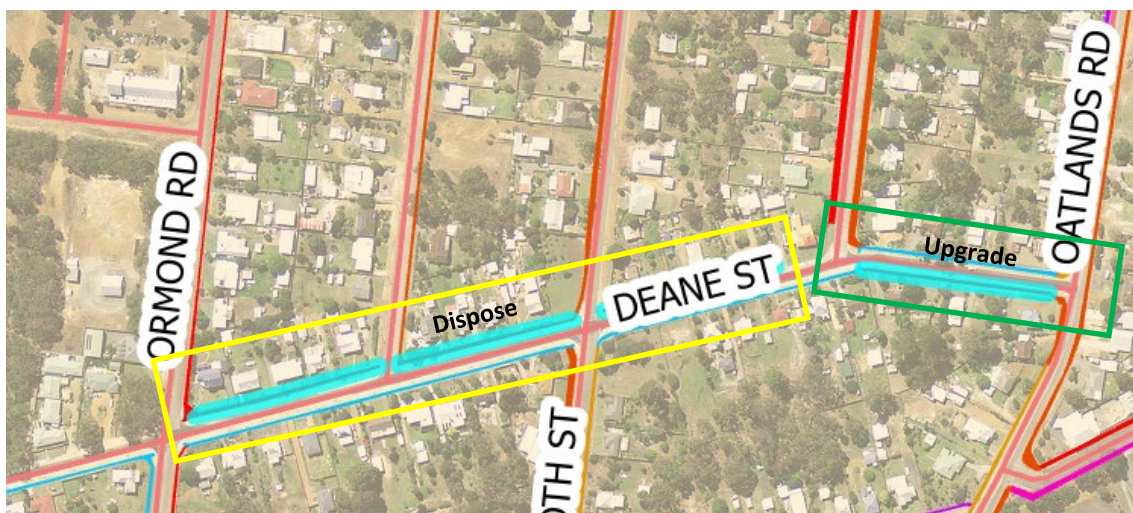
<p>Proposed Works</p> <p>Condition</p> <p>Proposed Average</p> <p>Excellent poor</p> <p>Good Very Poor</p>			<p>Disclaimer</p> <p>The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>
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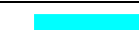



Project:	Program	Year	Current Condition
Deane St Ormond St to Parsons St	Disposal	2021/22	(5) Very Poor
Parsons St to Oatlands Rd	Upgrade	2021/22	(4) Oatlands St

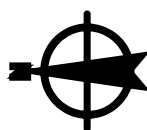
Scope	Parsons St to Ormond Rd					
	<ul style="list-style-type: none"> Verge Reinstatement. Blend existing surface, 1% cement stabilize, water bind & compact 					
ASSET INFORMATION	Oatlands to Parsons St					
	<ul style="list-style-type: none"> Prune and remove vegetation from the existing surface and clearance zone Sweep and patch existing path surface Apply 25mm hot asphalt to 2 width central to existing seal Tie into or lift existing serves to match level of new path Tie into existing crossovers 					
	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works			26%		74%
	Length mts			130		370

Cost Estimate						
Activity	Unit	Quantity	Rate	Amount		
Patch and Sweep	²M	260	2.83	\$736		
Apply 25mm Asphalt Overlay	²M	260	28.3	\$7,358		
Verge Reinstatement	LM	370	\$8.00	\$2,960		
Traffic Management	Hr	30	\$180	\$5,400		
Contingency	%	10		\$1,645		
Total				\$18,099		

Location Plan						
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	Proposed Works
Condition	
	Proposed
	Excellent
	Good
	Average
	poor
	Very Poor



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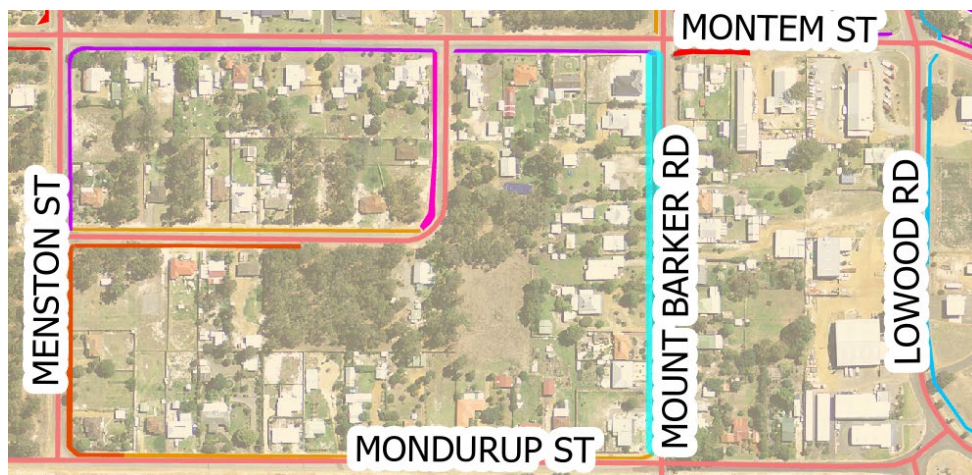
Project:	Program	Year	Current Condition
Mount Barker Road Montem Street to Mondurup Street	Upgrade	2021/22	(4) Poor

Scope	<ul style="list-style-type: none"> • Prune and remove vegetation from the existing surface and clearance zone • Sweep and patch existing path surface • Apply 25mm hot asphalt to 2 metre width central to existing seal • Tie into or lift existing serves to match level of new path • Tie into existing crossovers • Renew verge treatment from #39 through to #41 Mount Barker Road, Edge of path to back of kerbing
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works			100%		
	Length mts	275m		275m		

Cost Estimate				
Activity	Unit	Quantity	Rate	Amount
Sweep and patch	²M	550	\$2.83	\$1,557
Apply 25mm asphalt overlay	²M	550	\$28.30	\$15,565
Traffic Management	Hr	30	\$180	\$5,400
Contingency	%			\$2,252
Total				\$24,774

Location Plan



- Proposed Works**
- Condition**
- Proposed Works
 - Proposed
 - Excellent
 - Good
 - Average
 - poor
 - Very Poor



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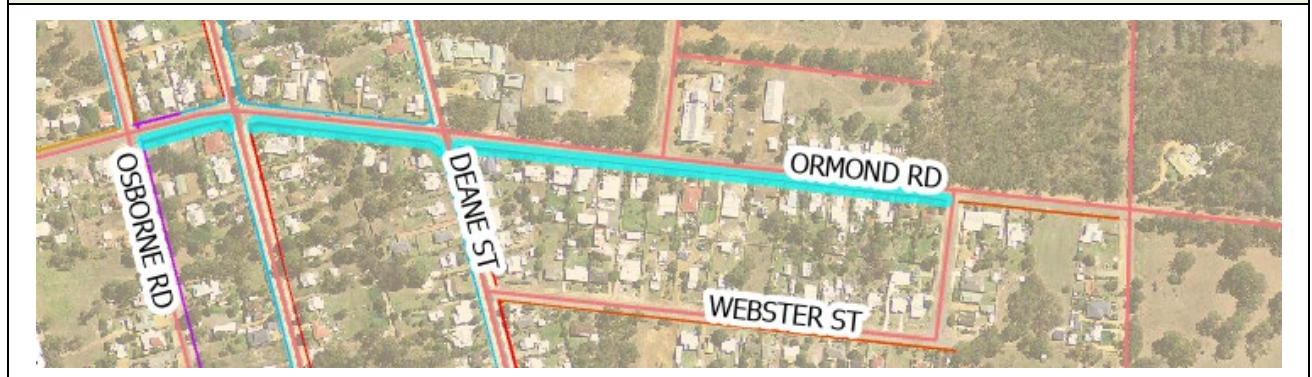
Project:	Program	Year	Current Condition
Ormond St Osborne St to Webster St	Upgrade	2021/22	(4) Poor

Scope	<ul style="list-style-type: none"> • Prune and remove vegetation from the existing surface and clearance zone • Sweep and patch existing path surface • Apply 25mm hot asphalt to 2 width central to existing seal • Tie into or lift existing serves to match level of new path • Tie into existing crossovers 				
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% works			100%		
	Length mts	735m		735m		

Cost Estimate				
Activity	Unit	Quantity	Rate	Amount
Patch and Sweep	² M	1470	\$2.83	\$4,160
Apply 25mm Asphalt overlay	² M	1470	\$28.30	\$41,601
Traffic Management	Hr	38	\$180	\$6,840
Contingency	%	10		\$5,260
Total				\$57,861

Location Plan



Proposed Works			<p>Disclaimer The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>				
<p>Condition</p> <table border="0"> <tr> <td> Proposed</td> <td> Average</td> </tr> <tr> <td> Excellent</td> <td> poor</td> </tr> <tr> <td> Good</td> <td> Very Poor</td> </tr> </table>	Proposed			Average	Excellent	poor	Good
Proposed	Average						
Excellent	poor						
Good	Very Poor						

Project:	Program	Year	Current Condition
Ingoldby St Hassell St to Bunker St	Upgrade / New	2021/22	(4) Poor
Bunker St to #47 Ingoldby St	Disposal	2021/22	(5) Very Poor

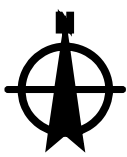
Scope	<ul style="list-style-type: none"> Prune and remove vegetation from the existing surface and clearance zone Sweep and patch existing path surface Reconstruct failing areas, with tack coat Apply 25mm hot asphalt overlay to existing seal Construct 15 metres of path to connect existing path with Hassell St Construct pram ramp at the intersection of Hassell and Ingoldby Sts Tie into or lift existing serves to match level of new path <u>Verge Reinstatement</u>. Blend existing surface, cement stabilize, water bind & compact (Bunker St to #47 Ingoldby St) 					
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ASSET INFORMATION	Asset Class	Footpath	Expansion	Upgrade	Renewal	Disposal
	% Works			55%		45%
	Length mts			350m		310m

Cost Estimate				
Activity	Unit	Quantity	Rate	Amount
Sweep and Patch	%	700	\$2.83	\$1,981
Asphalt Overlay	² M	700	\$28.30	\$19,810
Construct New Path	² M	30	\$58.00	\$1,710
Profile and 1% cement stabilise	Lm	310	\$8	\$2,480
Pram Ramp Construction	Ea	10	\$1,800	\$1,800
Traffic Management	Hr	30	\$180	\$5,400
Contingency	%	10		\$3,321
Total				\$36,532

Location Plan



<p>Condition</p> <table border="0"> <tr> <td> Proposed</td> <td> Average</td> </tr> <tr> <td> Excellent</td> <td> poor</td> </tr> <tr> <td> Good</td> <td> Very Poor</td> </tr> </table>	 Proposed	 Average	 Excellent	 poor	 Good	 Very Poor		<p>Disclaimer</p> <p>The information contained within this map is provided by a range of agencies. The Shire of Plantagenet accepts no responsibility for the information provided. The information is considered to be out of date at the time of printing. Reproduced with permission of the Western Australian Land Information Authority. Copyright License SLIP 1026-2017-1</p>
 Proposed	 Average							
 Excellent	 poor							
 Good	 Very Poor							

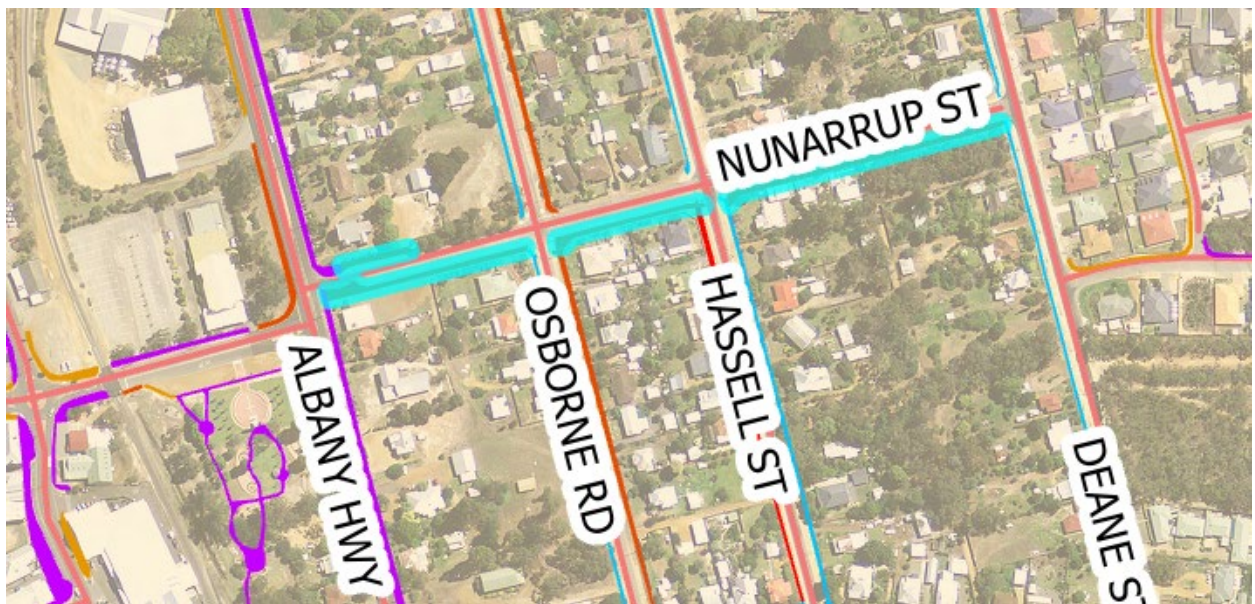
Project:	Program	Year	Current Condition
Nunarrup St Albany Hwy to Deane St	Upgrade	2022/23	(4) Poor

Scope	<ul style="list-style-type: none"> • Prune and remove vegetation from the existing surface and clearance zone • Sweep and patch existing path surface • Apply 25mm hot asphalt to 2 width central to existing seal • Tie into or lift existing serves to match level of new path • Tie into existing crossovers
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works			100%		
	Length mts	350m		350m		

Cost Estimate					
Activity	Unit	Quantity	Rate	Amount	
Patch and Sweep	²M	700	\$2.83	\$1981	
Apply 25mm Asphalt Overlay	²M	700	\$28.30	\$19,810	
Traffic Management	Hr	16	\$180	\$2,880	
Contingency	%	10		\$2,467	
Total				\$27,138	

Location Plan



■ Proposed Works
Condition
■ Proposed ■ Average
■ Excellent ■ poor
■ Good ■ Very Poor



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Project:	Program	Year	Current Condition
Menston St Montem St to North Boundary No 27 Menston St	Upgrade	2022/23	(4) Poor

Scope	<ul style="list-style-type: none"> Prune and remove vegetation from the existing surface and clearance zone Sweep and patch existing path surface Apply 25mm hot asphalt to 2 metre width central to existing seal Tie into or lift existing serves to match level of new path
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	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
ASSET INFORMATION	% Works			100%		
	Length mts	185m		185m		

Cost Estimate– Path Length 185 metres				
Activity	Unit	Quantity	Rate	Amount
Sweep and patch	²M			\$1,047
Apply 25mm asphalt overlay	²M	370	28.30	\$10,471
Traffic Management	Hr	6	\$180	\$1,080
Contingency	%	10		\$1,260
Total:				\$13,858

Location Plan



	Proposed Works		Average
	Proposed		poor
	Excellent		Very Poor
	Good		



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Project:	Program	Year	Current Condition
Narpund St / Osborne Rd	Upgrade	2022/23	(4) Poor

Scope	<ul style="list-style-type: none"> • Prune and remove vegetation from the existing surface and clearance zone • Sweep and patch existing path surface • Apply 25mm hot asphalt to 2 metre width central to existing seal • Tie into or lift existing serves to match level of new path • Tie into existing crossovers 					
	Renew verge treatment Narpund Rd Hassell St to Osborne Rd, Edge of path to back of kerbing					

ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works			100%		
	Length mts	130m		130m		

Cost Estimate					
Activity	Unit	Quantity	Rate	Amount	
Patch and Sweep	² M	250	\$2.83	\$708	
Apply 25mm Asphalt Overlay	² M	250	\$28.30	\$7,075	
Traffic Management	Hr	4	\$180	\$720	
Verge Treatment	2m	172	\$2	\$344	
Contingency	%	10		\$885	
Total				\$9,731	

Location Plan



	Proposed Works
Condition	
	Proposed
	Excellent
	Good
	Average
	poor
	Very Poor



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Project:	Program	Year	Current Condition
Hassell St Oatlands Rd to Atherton St	New	2022/23	(0) Proposed

Scope	Construct new shared path to two metres wide behind kerb. WABN Funding of \$24,700					
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ASSET INFORMATION	Asset Class	Footpaths	Expansion	Upgrade	Renewal	Disposal
	% Works		100%			
	Length mts		520			

Cost Estimate

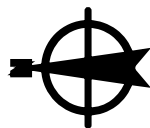
Activity	Unit	Quantity	Rate	Amount
Path Construction	² M	1040	\$57.00	\$59,280
Contingency	%	10		\$5,928
WABN Funding				-\$24,700
				\$65,208

Total SoP Contribution	\$40,508
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Location Plan



- Proposed Works
- Condition**
- Proposed
 - Excellent
 - Good
 - Average
 - poor
 - Very Poor



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Recommendations

- Where there is a need for verge treatment, the current surface should be patched to maintain the current surface to assist in controlling erosion on the steeper road verges.
- Dispose of duplicate assets and blend the existing surface with a 1% concrete mix to aid in stabilisation.