



TEN YEAR ROAD PROGRAM

2024 - 2034



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HISTORY SUMMARY

Item	Date	Action	Description
1	17 July 2024	Approved by Chief Executive Officer for Council consideration	All

Introduction to the Ten Year Road Program for Construction and Maintenance

The Shire of Narrogin, through its commitment to fostering sustainable and well-maintained infrastructure, presents this Ten Year Road Program for Construction and Maintenance. This comprehensive plan is meticulously designed to ensure the long-term reliability, safety, and efficiency of our road network. The program is anchored in the principles and guidelines established in the Shire's adopted Roads Asset Management Plan (AMP), specifically focusing on roads, culverts, and on-road drainage, as outlined in the December 2016 International Public Works Engineering Australasia (IPWEA) document.

The Roads Asset Management Plan (AMP) serves as the foundation for this strategic initiative, providing a robust framework for decision-making and prioritisation. Our approach aligns with the IPWEA standards, ensuring that our practices meet the highest levels of industry excellence. By adhering to these standards, we aim to deliver infrastructure solutions that not only address current needs but also anticipate future demands, thus fostering a resilient and adaptable road network.

The Ten Year Road Program encapsulates a detailed roadmap for the construction, maintenance, and enhancement of the Shire's road infrastructure. Key objectives include:

1. **Safety and Accessibility** - Ensuring that all road users have safe and reliable access to transportation networks;
2. **Sustainability** - Incorporating environmentally sustainable practices in all construction and maintenance activities;
3. **Efficiency and Cost-Effectiveness** - Optimising resource allocation to achieve maximum impact and value for the community;
4. **Community Engagement** - Involving local stakeholders and the Council's Road Reference Group in planning and decision-making processes to reflect community needs and priorities; and
5. **Innovation and Technology** - Leveraging advanced technologies and innovative practices to improve infrastructure performance and service delivery.

The Shire of Narrogin recognises the critical role that a well-maintained road network plays in supporting economic growth, social cohesion, and overall quality of life for its residents. By implementing this Ten Year Road Program, we are committed to enhancing the infrastructure that connects our communities, supports local businesses, and promotes sustainable development.

This program is a testament to our proactive and strategic approach to asset management, reflecting our dedication to providing high-quality infrastructure services to the Shire of Narrogin. Through careful planning, continuous improvement, and a strong focus on

community outcomes, we aim to create a road network that stands the test of time, serving the needs of current and future generations.

The journey ahead requires collaboration, innovation, and steadfast commitment. Together, we will pave the way for a safer, more sustainable, and prosperous Shire of Narrogin.



Torre Evans
Executive Manager Technical & Rural Services



Dale Stewart
Chief Executive Officer

Date 17 July 2024

Summary of Expense by Financial Year

FINANCIAL YEAR	CAPEX	OPEX	TOTAL	Net MUNI TOTAL
23/24	\$ 2,958,436.00	\$ 2,160,347.00	\$ 5,118,783.00	\$ 3,171,673.00
24/25	\$ 2,519,852.00	\$ 2,191,056.00	\$ 4,710,908.00	\$ 2,785,555.00
25/26	\$ 2,100,190.00	\$ 2,295,000.00	\$ 4,395,190.00	\$ 2,789,009.00
26/27	\$ 1,750,190.00	\$ 2,645,000.00	\$ 4,395,190.00	\$ 2,789,009.00
27/28	\$ 1,750,190.00	\$ 2,645,000.00	\$ 4,395,190.00	\$ 2,789,009.00
28/29	\$ 1,750,190.00	\$ 2,645,000.00	\$ 4,395,190.00	\$ 2,789,009.00
29/30	\$ 1,836,190.00	\$ 2,645,000.00	\$ 4,481,190.00	\$ 2,789,009.00
30/31	\$ 1,664,190.00	\$ 2,645,000.00	\$ 4,309,190.00	\$ 2,789,009.00
31/32	\$ 1,750,190.00	\$ 2,645,000.00	\$ 4,395,190.00	\$ 2,789,009.00
32/33	\$ 1,750,190.00	\$ 2,645,000.00	\$ 4,395,190.00	\$ 2,789,009.00
33/34	\$ 1,750,190.00	\$ 2,645,000.00	\$ 4,395,190.00	\$ 2,789,009.00
	<u>\$ 18,621,562.00</u>	<u>\$ 25,646,056.00</u>	<u>\$ 44,267,618.00</u>	<u>\$ 27,886,636.00</u>

Note Well: CPI and LGCI increases are factored into all road related Capital Projects and maintenance activities annually prior to presentation to Council in the Annual Budget

Shire of Narrogin Ten Year Road Program 24/25

CAPEX WORKS						
<u>Roads to Recovery 100% Funded Re-Seals</u>						
	SLK Start	SLK Finish	Aggregate Size	Total Area M²		Cost
Congelin Narrogin Road	5.10	4.10	14	7200	\$	61,857
Tarwonga Road	3.04	4.04	14	7200	\$	84,915
Graham Road Industrial Area	0.00	0.81	7	8100	\$	51,030
Lefroy Street	0.24	1.27	7	10300	\$	75,698
Lewis Street	0.00	0.21	7	2100	\$	6,300
Ensign Street	0.06	1.56	7	13500	\$	70,200
Total R2R					\$	350,000
<u>Regional Road Group Funded Projects</u>						
Whinbin Rock Road Extend Seal 66.66%	SLK 17.25 to 24.5				\$	675,000
Wandering Road WSNF 93.33%	SLK 3.0 to 0.0				\$	706,862
Total RRG					\$	1,381,862
<u>Municipal Funded Works</u>						
Annual Gravel Re-Sheeting 20 Km in total					\$	400,000
Municipal Contribution Towards Regional Road Group Project 33.33%					\$	337,500
Municipal Contribution Towards WSNF Project 6.66%					\$	50,490
Total Muni					\$	787,990
Capex Total 24/25					\$	2,519,852

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,050,000.00	-\$177,491.00	\$872,509.00
Other Expenditure	\$1,141,056.00	-\$16,000.00	\$1,125,056.00
		NET Total Muni	\$1,997,565.00
TOTAL EXPENDITURE	\$2,191,056.00	Net Total CAPEX/OPEX Muni	\$ 2,785,555.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 25/26

CAPEX WORKS

Roads to Recovery 100% Funded Re-Seals & Re-Sheeting

	SLK Start	SLK Finish	Aggregate Size	Total Area M ²		Cost
Wagin Wickepin Road	0.00	1.03	14	7210	\$	64,890
Wagin Wickepin Road	2.07	2.49	14	2940	\$	26,460
Narrogin Harrismith Road	15.20	13.70	14	11772	\$	105,948
Congelin Road	3.10	2.10	14	7000	\$	63,000
Dowset Street	0.00	0.09	7	569	\$	3,129
Halo Street	0.00	0.10	7	720	\$	3,960
Harbour Street	0.00	0.12	7	714	\$	3,927
Harris Street	0.00	0.16	7	1344	\$	7,392
Hive Street	0.00	0.10	7	730	\$	4,015
James Street	0.00	0.17	7	1530	\$	8,415
Lydeker Way	0.00	0.41	7	3074	\$	16,907
Fairway Street	0.39	0.72	7	2970	\$	16,335
Furnival Street	0.00	0.16	7	1440	\$	7,920
Fortune Street	0.30	0.53	7	2070	\$	17,702
Annual Gravel Re-Sheeting 20 Km in total					\$	387,690

Total R2R	\$ 737,690
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Regional Road Group Funded Projects

Narrogin Harrismith Road Stabilise Pavement 66.66%	SLK 28.4 to 30.25	\$	266,666
Clayton Road Stabilise Pavement in Townsite and Widen Rural Pavement 66.66%	SLK 0.0 to 5.8	\$	408,334
Submit MCA for Wanerie/Cooraminning Road Realignment		\$	-

Total RRG	\$ 675,000
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Municipal Funded Works

Municipal Contribution Towards Regional Road Group Projects 33.33%		\$	337,500
Construct and seal Narrogin Valley Road	SLK 6.3 to 8.3	\$	350,000

Total Muni	\$ 687,500
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Capex Total 25/26	\$ 2,100,190
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MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,150,000.00	-\$177,491.00	\$972,509.00
Other Expenditure	\$1,145,000.00	-\$16,000.00	\$1,129,000.00
		NET Total Muni	\$2,101,509.00
TOTAL EXPENDITURE	\$2,295,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 26/27

CAPEX WORKS						
<u>Roads to Recovery 100% Funded Re-Seals & Re-Sheeting</u>						
	SLK Start	SLK Finish	Aggregate Size	Total Area M²		Cost
Congelin Narrogin Road	1.10	0.00	14	8000	\$	72,000
Boxsell Road	0.00	1.60	7	20000	\$	70,000
Chipper Street	0.00	0.26	7	1560	\$	5,460
Dongolocking Road	0.00	1.00	7	7200	\$	49,000
Elliot Street	0.00	0.08	7	409	\$	1,430
Exeter Street	0.00	0.09	7	701	\$	2,454
Pethybridge Road	1.86	4.00	7	19600	\$	149,656
Annual Gravel Re-Sheeting 20 Km in total					\$	387,690
Total R2R					\$	737,690
<u>Regional Road Group Funded Projects</u>						
Mokine Road. Reconstruct Pavement & Install Underground Pipes and Kerb 66.66%	SLK 0.0 to 0.76				\$	213,334
Tarwonga Road Stabilise Pavement 66.66%	SLK 25.5 to 22.5				\$	395,000
Survey and Land Acquisitions for Wanerie/Cooramining Road Realignment 66.66%					\$	66,666
Total RRG					\$	675,000
<u>Municipal Funded Works</u>						
Municipal Contribution Towards Regional Road Group Projects 33.33%					\$	337,500
Total Muni					\$	337,500
Capex Total 26/27					\$	1,750,190

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
Other Expenditure	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 27/28

CAPEX WORKS

Roads to Recovery 100% Funded Re-Seals & Re-Sheeting

	SLK Start	SLK Finish	Aggregate Size	Total Area M ²		Cost
Congelin Narrogin Road (Town)	0.00	1.00	14	7200	\$	72,000
Dongolocking Road	1.00	5.00	7	36000	\$	201,000
Moyses Road	0.00	1.20	7	7714	\$	27,000
Narrogin Valley Road	0.00	2.00	7	14286	\$	50,000
Annual Gravel Re-Sheeting 20 Km in total					\$	387,690
Total R2R					\$	737,690

Regional Road Group Funded Projects

Forrest Street Stabilise Failures and Asphalt 66.66%					\$	66,666
Tarwonga Road Stabilise Pavement 66.66%	SLK 22.5 to 18.5				\$	608,334
Total RRG					\$	675,000

Municipal Funded Works

Municipal Contribution Towards Regional Road Group Projects 33.33%					\$	337,500
Total Muni					\$	337,500
Capex Total 27/28					\$	1,750,190

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance Other Expenditure	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 28/29

CAPEX WORKS

Roads to Recovery 100% Funded Re-Seals & Re-Sheeting

	SLK Start	SLK Finish	Aggregate Size	Total Area M ²		Cost
Whinbin Rock Road	5.10	6.10	7	7000	\$	42,000
Wickepin Harrismith Road	0.00	5.29	10	37030	\$	308,000
Annual Gravel Re-Sheeting 20 Km in total					\$	387,690
Total R2R					\$	737,690

Regional Road Group Funded Projects

Tarwonga Road Stabilise Pavement 66.66%	SLK 18.5 to 14.5				\$	675,000
Total RRG					\$	675,000

Municipal Funded Works

Municipal Contribution Towards Regional Road Group Project 33.33%					\$	337,500
Total Muni					\$	337,500

Capex Total 28/29					\$	1,750,190
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MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
Other Expenditure	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 29/30

CAPEX WORKS						
<u>Roads to Recovery 100% Funded Re-Seals & Re-Sheeting</u>						
	SLK Start	SLK Finish	Aggregate Size	Total Area M²		Cost
Whinbin Rock Road	6.10	7.10	7	7200	\$	48,000
Harris Street Upgrade (Asphalt)	0.00	0.17	10mm	1700	\$	68,000
Fortune Street (Asphalt)	0.00	0.7	10mm	700	\$	28,000
Fairway Street (Asphalt)	0.00	0.73		7300	\$	292,000
Annual Gravel Re-Sheeting 20 Km in total					\$	387,690
				Total R2R	\$	823,690
<u>Regional Road Group Funded Projects</u>						
Tarwonga Road Stabilise Pavement 66.66%	SLK 14.5 to 10.5				\$	675,000
				Total RRG	\$	675,000
<u>Municipal Funded Works</u>						
Municipal Contribution Towards Regional Road Group Project 33.33%					\$	337,500
				Total Muni	\$	337,500
				Capex Total 29/30	\$	1,836,190

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
Other Expenditure	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 30/31

CAPEX WORKS					
<u>Roads to Recovery 100% Funded Re-Seals & Re-Sheeting</u>					
	SLK Start	SLK Finish	Aggregate Size	Total Area M ²	Cost
Various Reseals				\$	264,000
Annual Gravel Re-Sheeting 20 Km in total				\$	387,690
				\$	651,690
<u>Regional Road Group Funded Projects</u>					
Tarwonga Road Stabilise Pavement 66.66%	SLK 10.5 to 6.5			\$	675,000
				\$	675,000
<u>Municipal Funded Works</u>					
Municipal Contribution Towards Regional Road Group Project 33.33%				\$	337,500
				\$	337,500
				\$	1,664,190

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
Other Expenditure	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 31/32

CAPEX WORKS					
<u>Roads to Recovery 100% Funded Re-Seals & Re-Sheeting</u>					
	SLK Start	SLK Finish	Aggregate Size	Total Area M ²	Cost
Various Reseals					\$ 350,000
Annual Gravel Re-Sheeting 20 Km in total					\$ 387,690
				Total R2R	\$ 737,690
<u>Regional Road Group Funded Projects</u>					
Tarwonga Road Stabilise Pavement 66.66%	SLK 6.5 to 2.5				\$ 675,000
				Total RRG	\$ 675,000
<u>Municipal Funded Works</u>					
Municipal Contribution Towards Regional Road Group Project 33.33%					\$ 337,500
				Total Muni	\$ 337,500
				Capex Total 30/31	\$ 1,750,190

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
Other Expenditure	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 32/33

CAPEX WORKS					
<u>Roads to Recovery 100% Funded Re-Seals & Re-Sheeting</u>					
	SLK Start	SLK Finish	Aggregate Size	Total Area M ²	Cost
Various Reseals					\$ 350,000
Annual Gravel Re-Sheeting 20 Km in total					\$ 387,690
Total R2R					\$ 737,690
<u>Regional Road Group Funded Projects</u>					
Narrogin Harrismith Road Stabilise Pavement 66.66%	SLK 4.5 to 8.5				\$ 675,000
Total RRG					\$ 675,000
<u>Municipal Funded Works</u>					
Municipal Contribution Towards Regional Road Group Project 33.33%					\$ 337,500
Total Muni					\$ 337,500
Capex Total 30/31					\$ 1,750,190

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
		NET Total Muni	\$1,222,509.00
TOTAL EXPENDITURE	\$1,400,000.00	Net Total CAPEX/OPEX Muni	\$ 1,560,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation

Shire of Narrogin Ten Year Road Program 33/34

CAPEX WORKS					
<u>Roads to Recovery 100% Funded Re-Seals & Re-Sheeting</u>					
	SLK Start	SLK Finish	Aggregate Size	Total Area M ²	Cost
Variouse Reseals					\$ 350,000
				Total R2R	\$ 350,000
<u>Regional Road Group Funded Projects</u>					
Harrismith Road Stabilise Pavement Narrogin 66.66%	SLK 8.5 to 12.5				\$ 675,000
				Total RRG	\$ 675,000
<u>Municipal Funded Works</u>					
Municipal Contribution Towards Regional Road Group Project 33.33%					\$ 337,500
				Total Muni	\$ 337,500
				Capex Total 30/31	\$ 1,362,500

MUNI FUNDED OPEX WORKS			
WORKS TYPE	EXPENSE	INCOME	NET MUNI TOTAL
Road Maintenance	\$1,400,000.00	-\$177,491.00	\$1,222,509.00
Other Expenditure	\$1,245,000.00	-\$16,000.00	\$1,229,000.00
		NET Total Muni	\$2,451,509.00
TOTAL EXPENDITURE	\$2,645,000.00	Net Total CAPEX/OPEX Muni	\$ 2,789,009.00

Other Expenditure	
Drainage	Street Lights
Verge	Footpaths
Trees	Bridges
Kerbing	Street Sweeping
Depots	Signage

Exclusions
Depreciation
Admin Allocation