



# SHIRE OF KONDININ WORKS COMMITTEE

## MINUTES OF MEETING WORKS COMMITTEE

held at 1.00 pm on Wednesday 26<sup>th</sup> April 2023 at  
Kondinin Council Chambers

**David Burton**  
**CHIEF EXECUTIVE OFFICER**  
27 April 2023

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## Order of Business

### 1. DECLARATION OF OPENING/ ANNOUNCEMENT OF VISITORS

The Chairperson, Cr Murray James, welcomed those present and declared the meeting open at 1:16PM.

### 2. RECORD OF ATTENDANCE/APOLOGIES

Councillors:	Cr T Mulcahy Cr B Smith	Cr M James (Chairperson) Cr P Green
Staff:	David Burton (CEO) Mark Burgess (MOW)	Leandré Genis (ESO)
Apologies:	NIL	

### 3. CONFIRMATION OF MINUTES OF PREVIOUS MEETING

**RESOLUTION:**

**Moved: Cr Tom Mulcahy**

**Seconded: Cr Paul Green**

That the minutes of the Works Committee Meeting held on 9 March 2023 be confirmed.

**Carried: 4/0**

## 4. REPORTS OF MEMBERS AND OFFICERS

### 4.1 2023/2024 ROAD WORKS PROGRAMS

**Applicant:** Shire of Kondinin  
**Author:** Chief Executive Officer – David Burton  
Manager of Works – Mark Burgess  
**Disclosure of Interest:** Nil  
**Date:** 24 April 2023  
**Attachment(s):** The Road worksheets will be provided at the meeting.

#### **RESOLUTION:**

**Moved: Cr Paul Green**

**Seconded: Cr Tom Mulcahy**

That consideration is given for the 2023/2024 Works Program to be included in the 2023/2024 Budget.

**Carried: 4/0**

#### **SUMMARY**

To provide information on the 2023/2024 Road Works Program, including consideration of Members' concerns.

#### **BACKGROUND**

As part of the process for the 2023/2024 Works Program, we requested Members to list any issues of significance. This had good responses from Members on a range of issues. Some of these may be able to be rectified as part of the 2022/2023 maintenance works, others will be carried forward into future years.

#### **REPORTING OFFICER'S COMMENT**

The current 2023/24 program will be presented to members for consideration and to work through. While some works may have some flexibility, projects under the Regional Road Group Funding will have specific requirements to be met and may be established for the financial year.

Projects and concerns raised by Council Members will be taken into consideration for Shire-funded projects for discussion.

The Shire will be starting on the Hyden-Norseman Road Pilot Project which will be completed over two years.

Road works are broken into several different programs including Regional Road Group (RRG), Roads to Recover (RTR) and General Funds.

RRG – Funded on a 2/3 grant 1/3 Shire basis and does require an MCA score for the works

RTR – Can be used on any road providing it has not been funded previously. This funding also requires the Shire to maintain its level of normal expenditure on the roads or funding may be reduced.

General Funds – Can be used at the Shire's discretion.

Recently we have seen significant cost increases for road construction that may require some jobs to be shortened or carried over into future years.

**STATUTORY ENVIRONMENT**

Local Government Act 1995

Adopted works program – budgetary constraints and potential cost increase implications.

**POLICY IMPLICATIONS**

Nil

**PUBLIC CONSULTATION**

Nil

**FINANCIAL IMPLICATIONS**

The proposed program is reliant on funding being made available and any reduction in grants would impact the proposed programs and the final actual program(s) scheduled.

**STRATEGIC IMPLICATIONS**

*Shire's Strategic Community Plan 2022-2032*

- 2 Economy
  - 2.2 Safe and efficient transport network enables economic growth
- 4 Civic Leadership
  - 4.1 Skilled, capable and transparent team
  - 4.2 We are a compliant and resourced Local Government

**VOTING REQUIREMENT**

Simple Majority

**5. CLOSURE OF MEETING**

Being no further business, the meeting was closed at 2:54PM.

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Bates** Road No **68** Section from **0.00** km to **2.44**

Description of Work **Gravel Sheeting** Location of Gravel **Unknown** **Funds -To be determined**

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					60	55									55
Tandem Water Truck					40	40									40
Loader					60	55									55
Prime Mover - ST/WT/Float					60	55									55
Prime Mover - ST/WT/Float					60	55									55
Prime Mover - ST/WT/Float					60	55									55
Mtnce Truck															0
SP Vibe Roller					40	40									40
Self Propelled Multi Wheel					20	20									20
Tractor Broom															0
Backhoe															0
Crew Cab					20	20									20
															0
															0
Supervision / Admin															0
Total Labour Hours	0		0		420		0		0		0		0		0

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	3500	2	7000.00
Gravel Royalties	M3	3500	1.5	5250.00
				0.00
				0.00
<b>Total Costs</b>				<b>12250.00</b>

Number of Days Work **6**



Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	55	18.00	75.00	990.00	4125.00
Tandem Water Truck	40	8.00	50.00	320.00	2000.00
Loader	55	16.00	60.00	880.00	3300.00
Prime Mover - ST/WT/Float	55	18.00	75.00	990.00	4125.00
Prime Mover - ST/WT/Float	55	18.00	75.00	990.00	4125.00
Prime Mover - ST/WT/Float	55	18.00	75.00	990.00	4125.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	40	9.00	40.00	360.00	1600.00
SP Multi Tyred Roller	20	9.00	40.00	180.00	800.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	20	5.00	25.00	100.00	500.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>395</b>			<b>5800.00</b>	<b>24700.00</b>

Ward **0**  
 Road Name **Bates**  
 Road Number **68**  
 Section **0.00** to **2.44**

Labour	Wages	\$ 13,860.00
	Overheads	\$ 13,860.00
Materials		\$ 12,250.00
Plant Operating Costs		\$ 24,700.00
<b>TOTAL COSTS</b>		<b>\$ 64,670.00</b>
Plant Depreciation Costs		\$ 5,800.00
<b>TOTAL COSTS</b>		<b>\$ 70,470.00</b>

NO DEPRECIATION  
WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
420	33.00	100%	13860.00	13860.00	27720.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Billericay East** Road No **20** Section from **9.00** km to **13.00**

Description of Work **Form and Gravel** Location of Gravel **Unknown** R2R

Machine	Silt Removal		Forming		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					110	100									100
Tandem Water Truck					110	90									90
Loader					90	85									85
Prime Mover - ST/WT/Float					90	85									85
Prime Mover - ST/WT/Float					90	85									85
Prime Mover - ST/WT/Float					90	85									85
Mtnce Truck															0
SP Vibe Roller					50	45									45
Self Propelled Multi Wheel					40	35									35
Tractor Broom															0
Backhoe															0
Crew Cab					20	20									20
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>690</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	5500	2	11000.00
Gravel Royalties	M3	5500	1.5	8250.00
				0.00
				0.00
<b>Total Costs</b>				<b>19250.00</b>

Number of Days Work	13
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Working of a face and working towards Woolacutty Road.  
Needs to be a 5 year project at least to achieve this

23/24 budget - (SLK 9.00 - 13.00)

Distance 4.00km

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	100	18.00	75.00	1800.00	7500.00
Tandem Water Truck	90	8.00	50.00	720.00	4500.00
Loader	85	16.00	60.00	1360.00	5100.00
Prime Mover - ST/WT/Float	85	18.00	75.00	1530.00	6375.00
Prime Mover - ST/WT/Float	85	18.00	75.00	1530.00	6375.00
Prime Mover - ST/WT/Float	85	18.00	75.00	1530.00	6375.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	45	9.00	40.00	405.00	1800.00
SP Multi Tyred Roller	35	9.00	40.00	315.00	1400.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	20	5.00	25.00	100.00	500.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>630</b>			<b>9290.00</b>	<b>39925.00</b>

Ward 0

Road Name Billericay East

Road Number 20

Section 9.00 to 13.00

Labour	Wages	\$ 21,390.00	
	Overheads	\$ 21,390.00	
Materials		\$ 19,250.00	
Plant Operating Costs		\$ 39,925.00	
<b>TOTAL COSTS</b>		<b>\$ 101,955.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 9,290.00	
<b>TOTAL COSTS</b>		<b>\$ 111,245.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
690	31.00	100%	21390.00	21390.00	42780.00

### Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Car Park Hockey (Hyden)** Road No \_\_\_\_\_ Section from \_\_\_\_\_ **0.00** km to \_\_\_\_\_ **0.00**

Description of Work **Gravel Sheetting** Location of Gravel **Mulchay** **Funds -To be determined**

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader	4	4			25	25									29
Tandem Water Truck	2	2													2
Loader	4	4			20	20									24
Prime Mover - ST/WT/Float	4	4			20	20									24
Prime Mover - ST/WT/Float	4	4			20	20									24
Prime Mover - ST/WT/Float															0
Mtnce Truck															0
SP Vibe Roller	1	1			10	10									11
Self Propelled Multi Wheel					10	10									10
Tractor Broom															0
Backhoe					2	2									2
Crew Cab	2	2			6	6									8
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>21</b>		<b>0</b>		<b>113</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3			0.00
Gravel Royalties	M3	700	5	3500.00
				0.00
				0.00
<b>Total Costs</b>				<b>3500.00</b>

Number of Days Work	2.5
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Have assumed Gravel to be supplied by CR Mulchay

No allowance for any embankment works other than pram ramp (Gravel Only), no removal or pruning of trees.

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	29	18.00	75.00	522.00	2175.00
Tandem Water Truck	2	8.00	50.00	16.00	100.00
Loader	24	16.00	60.00	384.00	1440.00
Prime Mover - ST/WT/Float	24	18.00	75.00	432.00	1800.00
Prime Mover - ST/WT/Float	24	18.00	75.00	432.00	1800.00
Prime Mover - ST/WT/Float	0	18.00	75.00	0.00	0.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	11	9.00	40.00	99.00	440.00
SP Multi Tyred Roller	10	9.00	40.00	90.00	400.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	2	9.00	50.00	18.00	100.00
Crew Cab	8	5.00	25.00	40.00	200.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>134</b>			<b>2033.00</b>	<b>8455.00</b>

Ward 0  
 Road Name Car Park Hockey (Hyden)  
 Road Number 0  
 Section 0.00 to 0.00

Labour	Wages	\$ 4,422.00	
	Overheads	\$ 4,422.00	
Materials		\$ 3,500.00	
Plant Operating Costs		\$ 8,455.00	
<b>TOTAL COSTS</b>		<b>\$ 20,799.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 2,033.00	
<b>TOTAL COSTS</b>		<b>\$ 22,832.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
134	33.00	100%	4422.00	4422.00	8844.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Clayton St (Whispering Gums)** Road No **126** Section from **0.00** km to **0.00**

Description of Work **Drainage, Reconstruct and seal** Location of Gravel **RCC**

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					5	5									5
Tandem Water Truck					5	5									5
Loader															0
Prime Mover - ST/WT/Float															0
Prime Mover - ST/WT/Float															0
Prime Mover - ST/WT/Float															0
Mtnce Truck															0
SP Vibe Roller															0
Self Propelled Multi Wheel															0
Tractor Broom															0
Backhoe															0
Crew Cab															0
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>10</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
300mm stormpro ribbed pipe	300	32	110	3520.00
Pre-Cast Headwalls	1	1	1500	1500.00
Installation/Labour/Plant		1	9000	9000.00
Stab Sand /Backfill	m3	12	350	4200.00
1050x900mm liners with lids	2	2	1000	2000.00
Kerbing	m	60	35	2100.00
Bitumen repairs		1	3000	3000.00
Possie	Days	5	350	1750.00
Twin Drum Roller	Days	2	400	800.00
Contractors				0.00
Gravel Costs	M3			0.00
Gravel Royalties	M3			0.00
				0.00
				0.00
<b>Total Costs</b>				<b>27870.00</b>

Number of Days Work **1**

This does not include car park on McPherson Street

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	5	18.00	75.00	90.00	375.00
Tandem Water Truck	5	8.00	50.00	40.00	250.00
Loader	0	16.00	60.00	0.00	0.00
Prime Mover - ST/WT/Float	0	18.00	75.00	0.00	0.00
Prime Mover - ST/WT/Float	0	18.00	75.00	0.00	0.00
Prime Mover - ST/WT/Float	0	18.00	75.00	0.00	0.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	0	9.00	40.00	0.00	0.00
SP Multi Tyred Roller	0	9.00	40.00	0.00	0.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	0	5.00	25.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>10</b>			<b>130.00</b>	<b>625.00</b>

Ward **0**  
 Road Name **Clayton St (Whispering Gums)**  
 Road Number **126**  
 Section **0.00** to **0.00**

Labour	Wages	\$ 330.00	
	Overheads	\$ 330.00	
Materials		\$ 27,870.00	
Plant Operating Costs		\$ 625.00	
<b>TOTAL COSTS</b>		<b>\$ 29,155.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 130.00	
<b>TOTAL COSTS</b>		<b>\$ 29,285.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
10	33.00	100%	330.00	330.00	660.00



## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Higgins** Road No **92** Section from **2.10** km to **4.10**

Description of Work **Form and Gravel** Location of Gravel **Unknown** **RCC**

Machine	Silt Removal		Forming		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					80	80									80
Tandem Water Truck					70	70									70
Loader					70	70									70
Prime Mover - ST/WT/Float					70	70									70
Prime Mover - ST/WT/Float					70	70									70
Prime Mover - ST/WT/Float					70	70									70
Mtnce Truck															0
SP Vibe Roller					30	30									30
Self Propelled Multi Wheel					20	20									20
Tractor Broom															0
Backhoe															0
Crew Cab					15	15									15
															0
															0
Supervision / Admin															0
Total Labour Hours	0		0		495		0		0		0		0		0

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	3000	2	6000.00
Gravel Royalties	M3	3000	1.5	4500.00
				0.00
				0.00
<b>Total Costs</b>				<b>10500.00</b>

Number of Days Work **9**

Councillor James had this road on his list of roads to do 300m  
 Upon inspection i believe there is approx 2 - 2.5km that is in need of gravel as it tends to turn slippery.  
 Happy to be guided by CR James regarding this, given it is now a bus route

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	80	18.00	75.00	1440.00	6000.00
Tandem Water Truck	70	8.00	50.00	560.00	3500.00
Loader	70	16.00	60.00	1120.00	4200.00
Prime Mover - ST/WT/Float	70	18.00	75.00	1260.00	5250.00
Prime Mover - ST/WT/Float	70	18.00	75.00	1260.00	5250.00
Prime Mover - ST/WT/Float	70	18.00	75.00	1260.00	5250.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	30	9.00	40.00	270.00	1200.00
SP Multi Tyred Roller	20	9.00	40.00	180.00	800.00
Tractor Broom	0	0.00	25.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	15	5.00	25.00	75.00	375.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>495</b>			<b>7425.00</b>	<b>31825.00</b>

Ward \_\_\_\_\_ 0  
 Road Name Higgins  
 Road Number 92  
 Section 2.10 to 4.10

Labour	Wages	\$ 15,345.00
	Overheads	\$ 15,345.00
Materials		\$ 10,500.00
Plant Operating Costs		\$ 31,825.00
<b>TOTAL COSTS</b>		<b>\$ 73,015.00</b>
Plant Depreciation Costs		\$ 7,425.00
<b>TOTAL COSTS</b>		<b>\$ 80,440.00</b>

NO DEPRECIATION  
 WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
495	31.00	100%	15345.00	15345.00	30690.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Hippo's Yawn** Road No \_\_\_\_\_ Section from \_\_\_\_\_ **0.00** km to \_\_\_\_\_ **0.00**

Description of Work **Drainage, construct and Seal entrance and Carpark** Location of Gravel \_\_\_\_\_ **RCC**

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					40	40									40
Tandem Water Truck					30	30									30
Loader					15	15									15
Prime Mover - ST/WT/Float					15	15									15
Prime Mover - ST/WT/Float					15	15									15
Prime Mover - ST/WT/Float					15	15									15
Mtnce Truck															0
SP Vibe Roller					25	30									30
Self Propelled Multi Wheel					25	30									30
Tractor Broom															0
Backhoe															0
Crew Cab															0
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>180</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
300mm stormpro ribbed pipe	300	24	110	2640.00
Pre-Cast Headwalls	300	2	1500	3000.00
Installation/Labour/Plant		1	11000	11000.00
Stab Sand /Backfill	m3	8	400	3200.00
Wet Mix				0.00
Two coat Seal (10&5mm)	m2	2000	6.9	13800.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs		400	3	1200.00
Gravel Royalties		400	1.5	600.00
				0.00
				0.00
<b>Total Costs</b>				<b>35440.00</b>

Number of Days Work **5**

Bitumen Area for seal approx. 2000m2

Will need to try and stop water from passing over seal area by constructing levies

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	40	18.00	75.00	720.00	3000.00
Tandem Water Truck	30	8.00	50.00	240.00	1500.00
Loader	15	16.00	60.00	240.00	900.00
Prime Mover - ST/WT/Float	15	18.00	75.00	270.00	1125.00
Prime Mover - ST/WT/Float	15	18.00	75.00	270.00	1125.00
Prime Mover - ST/WT/Float	15	18.00	75.00	270.00	1125.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	30	9.00	40.00	270.00	1200.00
SP Multi Tyred Roller	30	9.00	40.00	270.00	1200.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	0	5.00	25.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>190</b>			<b>2550.00</b>	<b>11175.00</b>

Ward \_\_\_\_\_ 0  
 Road Name Hippo's Yawn  
 Road Number \_\_\_\_\_ 0  
 Section \_\_\_\_\_ 0.00 to \_\_\_\_\_ 0.00

Labour	Wages	\$ 5,940.00	
	Overheads	\$ 5,940.00	
Materials		\$ 35,440.00	
Plant Operating Costs		\$ 11,175.00	
<b>TOTAL COSTS</b>		<b>\$ 58,495.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 2,550.00	
<b>TOTAL COSTS</b>		<b>\$ 61,045.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
180	33.00	100%	5940.00	5940.00	11880.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Holland Track** Road No **89** Section from **1.47** km to **4.75**

Description of Work **Form and Gravel** Location of Gravel **Strother** **RCC**

Machine	Silt Removal		Forming		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					90	90									90
Tandem Water Truck					90	90									90
Loader					80	80									80
Prime Mover - ST/WT/Float					80	80									80
Prime Mover - ST/WT/Float					80	80									80
Prime Mover - ST/WT/Float					80	80									80
Mtnce Truck															0
SP Vibe Roller					40	40									40
Self Propelled Multi Wheel					40	40									40
Tractor Broom															0
Backhoe															0
Crew Cab					25	25									25
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>605</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	4000	2	8000.00
Gravel Royalties	M3	4000	1.5	6000.00
				0.00
				0.00
<b>Total Costs</b>				<b>14000.00</b>

Number of Days Work	10
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Total distance 3.3km  
 Assuming Gravel can be supplied by strother, CR smith to chase up  
 SLK was done with CR Smith

Have allowed for repair works on this road whilst carting

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	90	18.00	75.00	1620.00	6750.00
Tandem Water Truck	90	8.00	50.00	720.00	4500.00
Loader	80	16.00	60.00	1280.00	4800.00
Prime Mover - ST/WT/Float	80	18.00	75.00	1440.00	6000.00
Prime Mover - ST/WT/Float	80	18.00	75.00	1440.00	6000.00
Prime Mover - ST/WT/Float	80	18.00	75.00	1440.00	6000.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	40	9.00	40.00	360.00	1600.00
SP Multi Tyred Roller	40	9.00	40.00	360.00	1600.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	25	5.00	25.00	125.00	625.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>605</b>			<b>8785.00</b>	<b>37875.00</b>

Ward 0  
 Road Name Holland Track  
 Road Number 89  
 Section 1.47 to 4.75

Labour	Wages	\$ 19,965.00	
	Overheads	\$ 19,965.00	
Materials		\$ 14,000.00	
Plant Operating Costs		\$ 37,875.00	
<b>TOTAL COSTS</b>		<b>\$ 91,805.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 8,785.00	
<b>TOTAL COSTS</b>		<b>\$ 100,590.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
605	33.00	100%	19965.00	19965.00	39930.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Karlgarin Lake floodway** Road No **56** Section from \_\_\_\_\_ km to \_\_\_\_\_

Description of Work **Upgrade culverts and widen floodway** Location of Gravel \_\_\_\_\_ **RCC**

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					10	10									10
Tandem Water Truck															0
Loader					10	10									10
Prime Mover - ST/WT/Float					10	10									10
Prime Mover - ST/WT/Float					10	10									10
Prime Mover - ST/WT/Float															0
Mtnce Truck															0
SP Vibe Roller					2	2									2
Self Propelled Multi Wheel															0
Tractor Broom															0
Backhoe															0
Crew Cab															0
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>42</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's	450	15	450	6750.00
Headwalls	450	2	1500	3000.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	100	2	200.00
Gravel Royalties	M3	100	1.5	150.00
				0.00
				0.00
<b>Total Costs</b>				<b>10100.00</b>

Number of Days Work **1**

Existing culvert needs replacing, suggest we use the plastic pipes given the salt content. This will also allow us to widen this section (80m)

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	10	18.00	75.00	180.00	750.00
Tandem Water Truck	0	8.00	50.00	0.00	0.00
Loader	10	16.00	60.00	160.00	600.00
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00
Prime Mover - ST/WT/Float	0	18.00	75.00	0.00	0.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	2	9.00	40.00	18.00	80.00
SP Multi Tyred Roller	0	9.00	40.00	0.00	0.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	0	5.00	25.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>42</b>			<b>718.00</b>	<b>2930.00</b>

Ward **0**  
 Road Name **Karlgarin Lake floodway**  
 Road Number **56**  
 Section **0.00** to **0.00**

Labour	Wages	\$ 1,386.00	
	Overheads	\$ 1,386.00	
Materials		\$ 10,100.00	
Plant Operating Costs		\$ 2,930.00	
<b>TOTAL COSTS</b>		<b>\$ 15,802.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 718.00	
<b>TOTAL COSTS</b>		<b>\$ 16,520.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
42	33.00	100%	1386.00	1386.00	2772.00

Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Cemetery Entrance and Car Park** Road No \_\_\_\_\_ Section from \_\_\_\_\_ **0.00** km to \_\_\_\_\_ **0.25**

Description of Work **Drainage, construct and Seal entrance and gravel Construct parking area** Location of Gravel **Sloan** **RCC**

Machine	Car Park		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader	30	30			15	15	30	30							75
Tandem Water Truck	20	20			15	15	20	20							55
Loader	20	20			15	15									35
Prime Mover - ST/WT/Float	20	20			15	15									35
Prime Mover - ST/WT/Float	20	20			15	15									35
Prime Mover - ST/WT/Float	20	20			15	15									35
Mtnce Truck															0
SP Vibe Roller	10	10			10	10	20	20							40
Self Propelled Multi Wheel	10	10			5	5	10	10							25
Tractor Broom															0
Backhoe															0
Crew Cab															0
															0
															0
Supervision / Admin															0
Total Labour Hours	150		0		105		80		0		0		0		0

Materials	Size	Quantity	Rate/Cost	Costs (\$)
375mm stormpro ribbed pipe	m	36	110	3960.00
Pre-Cast Headwalls	each	4	1500	6000.00
Installation/Labour/Plant		1	10000	10000.00
Stab Sand /Backfill	m3	8	400	3200.00
Wet Mix				0.00
Two coat Seal (10&5mm)	m2	3000	5.5	16500.00
Primer				0.00
Hot Bitumen				0.00
Survey Set out		1	3000	3000.00
Contractors				0.00
Gravel Costs		1000	2	2000.00
Gravel Royalties				0.00
				0.00
				0.00
				0.00
Total Costs				44660.00

Number of Days Work 6

Seal is from Wilkins Road to cemetery gate (not inside cemetery grounds)  
 Price does not include proposed new wall  
 All works done in accordance with design

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	75	18.00	75.00	1350.00	5625.00
Tandem Water Truck	55	8.00	50.00	440.00	2750.00
Loader	35	16.00	60.00	560.00	2100.00
Prime Mover - ST/WT/Float	35	18.00	75.00	630.00	2625.00
Prime Mover - ST/WT/Float	35	18.00	75.00	630.00	2625.00
Prime Mover - ST/WT/Float	35	18.00	75.00	630.00	2625.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	40	9.00	40.00	360.00	1600.00
SP Multi Tyred Roller	25	9.00	40.00	225.00	1000.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	0	5.00	25.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
Total Plant Costs	335			4825.00	20950.00

Ward 0  
 Road Name Cemetery Entrance and Car Park  
 Road Number 0  
 Section 0.00 to 0.25

Labour	Wages	\$ 11,055.00
	Overheads	\$ 11,055.00
Materials		\$ 44,660.00
Plant Operating Costs		\$ 20,950.00
<b>TOTAL COSTS</b>		<b>\$ 87,720.00</b>
Plant Depreciation Costs		\$ 4,825.00
<b>TOTAL COSTS</b>		<b>\$ 92,545.00</b>

NO DEPRECIATION  
 WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
335	33.00	100%	11055.00	11055.00	22110.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Modesty Rock** Road No **88** Section from **7.50** km to **9.50**

Description of Work **Form and Gravel** Location of Gravel **Strother** RCC

Machine	Silt Removal		Forming		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					70	70									70
Tandem Water Truck					70	70									70
Loader					60	60									60
Prime Mover - ST/WT/Float					60	60									60
Prime Mover - ST/WT/Float					60	60									60
Prime Mover - ST/WT/Float					60	60									60
Mtnce Truck															0
SP Vibe Roller					30	25									25
Self Propelled Multi Wheel					20	15									15
Tractor Broom															0
Backhoe															0
Crew Cab					15	15									15
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>445</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	2500	2	5000.00
Gravel Royalties	M3	2500	1.5	3750.00
				0.00
				0.00
<b>Total Costs</b>				<b>8750.00</b>

Number of Days Work	7
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Total distance 2.0km  
 Assuming Gravel can be supplied by strother, CR smith to chase up  
 SLK was done with CR Smith

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	70	18.00	75.00	1260.00	5250.00
Tandem Water Truck	70	8.00	50.00	560.00	3500.00
Loader	60	16.00	60.00	960.00	3600.00
Prime Mover - ST/WT/Float	60	18.00	75.00	1080.00	4500.00
Prime Mover - ST/WT/Float	60	18.00	75.00	1080.00	4500.00
Prime Mover - ST/WT/Float	60	18.00	75.00	1080.00	4500.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	25	9.00	40.00	225.00	1000.00
SP Multi Tyred Roller	15	9.00	40.00	135.00	600.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	15	5.00	25.00	75.00	375.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>435</b>			<b>6455.00</b>	<b>27825.00</b>

Ward 0  
 Road Name Modesty Rock  
 Road Number 88  
 Section 7.50 to 9.50

Labour	Wages	\$ 14,685.00	
	Overheads	\$ 14,685.00	
Materials		\$ 8,750.00	
Plant Operating Costs		\$ 27,825.00	
<b>TOTAL COSTS</b>		<b>\$ 65,945.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 6,455.00	
<b>TOTAL COSTS</b>		<b>\$ 72,400.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
445	33.00	100%	14685.00	14685.00	29370.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Notting Karlgarin Floodway** Road No **6** Section from **0.50** km to **0.70**

Description of Work **Reconstruct and seal** Location of Gravel **Unknown** RCC

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					15	15	20	20							35
Tandem Water Truck					10	10	10	10							20
Loader					10	10									10
Prime Mover - ST/WT/Float					10	10									10
Prime Mover - ST/WT/Float					10	10									10
Prime Mover - ST/WT/Float					10	10									10
Mtnce Truck															0
SP Vibe Roller					10	10	10	10							20
Self Propelled Multi Wheel					10	10	20	20							30
Tractor Broom															0
Backhoe															0
Crew Cab					10	10									10
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>95</b>		<b>60</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix/Cement Stab	m2	2000	6.5	13000.00
Metal				0.00
Seal (2Coat 14/7mm)	m2	1800	5.5	9900.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	500	2	1000.00
Gravel Royalties	M3	500	1.5	750.00
				0.00
				0.00
<b>Total Costs</b>				<b>24650.00</b>

Number of Days Work	4
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Suggest that we cement stab sub- base to a depth of 200mm  
Overlay with 150mm of new base course (Mix with Grader)

Should be able to scratch up metal left over from other roads

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	35	18.00	75.00	630.00	2625.00
Tandem Water Truck	20	8.00	50.00	160.00	1000.00
Loader	10	16.00	60.00	160.00	600.00
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	20	9.00	40.00	180.00	800.00
SP Multi Tyred Roller	30	9.00	40.00	270.00	1200.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	10	5.00	25.00	50.00	250.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>155</b>			<b>1990.00</b>	<b>8725.00</b>

Ward 0  
Road Name Notting Karlgarin Floodway  
Road Number 6  
Section 0.50 to 0.70

Labour	Wages	\$ 5,115.00	
	Overheads	\$ 5,115.00	
Materials		\$ 24,650.00	
Plant Operating Costs		\$ 8,725.00	
<b>TOTAL COSTS</b>		<b>\$ 43,605.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 1,990.00	
<b>TOTAL COSTS</b>		<b>\$ 45,595.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
155	33.00	100%	5115.00	5115.00	10230.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Roe** Road No **53** Section from **12.60** km to **15.60**

Description of Work **Form and Gravel** Location of Gravel **Marsh** RCC

Machine	Silt Removal		Forming		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					110	100									100
Tandem Water Truck					100	100									100
Loader					100	100									100
Prime Mover - ST/WT/Float					100	100									100
Prime Mover - ST/WT/Float					100	100									100
Prime Mover - ST/WT/Float					100	100									100
Mtnce Truck															0
SP Vibe Roller					40	40									40
Self Propelled Multi Wheel					30	30									30
Tractor Broom															0
Backhoe															0
Crew Cab					25	25									25
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>705</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	4000	2	8000.00
Gravel Royalties	M3	4000	1.5	6000.00
				0.00
				0.00
<b>Total Costs</b>				<b>14000.00</b>

Number of Days Work	12
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Section is from Worland road heading south.  
 Totally length required is 12.60 - 19.70 (7km) - suggest this is done over 2 - 3 years

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	100	18.00	75.00	1800.00	7500.00
Tandem Water Truck	100	8.00	50.00	800.00	5000.00
Loader	100	16.00	60.00	1600.00	6000.00
Prime Mover - ST/WT/Float	100	18.00	75.00	1800.00	7500.00
Prime Mover - ST/WT/Float	100	18.00	75.00	1800.00	7500.00
Prime Mover - ST/WT/Float	100	18.00	75.00	1800.00	7500.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	40	9.00	40.00	360.00	1600.00
SP Multi Tyred Roller	30	9.00	40.00	270.00	1200.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	25	5.00	25.00	125.00	625.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>695</b>			<b>10355.00</b>	<b>44425.00</b>

Ward \_\_\_\_\_ 0  
 Road Name **Roe**  
 Road Number **53**  
 Section **12.60** to **15.60**

Labour	Wages	\$ 21,855.00	
	Overheads	\$ 21,855.00	
Materials		\$ 14,000.00	
Plant Operating Costs		\$ 44,425.00	
<b>TOTAL COSTS</b>		<b>\$ 102,135.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 10,355.00	
<b>TOTAL COSTS</b>		<b>\$ 112,490.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
705	31.00	100%	21855.00	21855.00	43710.00



## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Sedgewick** Road No **71** Section from **0.00** km to **3.50**

Description of Work **Form and Gravel** Location of Gravel **Unknown** **RCC**

Machine	Silt Removal		Forming		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					110	110									110
Tandem Water Truck					90	90									90
Loader					100	100									100
Prime Mover - ST/WT/Float					100	100									100
Prime Mover - ST/WT/Float					100	100									100
Prime Mover - ST/WT/Float					100	100									100
Mtnce Truck															0
SP Vibe Roller					50	50									50
Self Propelled Multi Wheel					20	20									20
Tractor Broom															0
Backhoe															0
Crew Cab					25	25									25
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>695</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	4000	2	8000.00
Gravel Royalties	M3	4000	1.5	6000.00
				0.00
				0.00
<b>Total Costs</b>				<b>14000.00</b>

Number of Days Work **12**



Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	110	18.00	75.00	1980.00	8250.00
Tandem Water Truck	90	8.00	50.00	720.00	4500.00
Loader	100	16.00	60.00	1600.00	6000.00
Prime Mover - ST/WT/Float	100	18.00	75.00	1800.00	7500.00
Prime Mover - ST/WT/Float	100	18.00	75.00	1800.00	7500.00
Prime Mover - ST/WT/Float	100	18.00	75.00	1800.00	7500.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	50	9.00	40.00	450.00	2000.00
SP Multi Tyred Roller	20	9.00	40.00	180.00	800.00
Tractor Broom	0	0.00	25.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	25	5.00	25.00	125.00	625.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>695</b>			<b>10455.00</b>	<b>44675.00</b>

Ward **0**  
 Road Name **Sedgewick**  
 Road Number **71**  
 Section **0.00** to **3.50**

Labour	Wages	\$ 21,545.00	
	Overheads	\$ 21,545.00	
Materials		\$ 14,000.00	
Plant Operating Costs		\$ 44,675.00	
<b>TOTAL COSTS</b>		<b>\$ 101,765.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 10,455.00	
<b>TOTAL COSTS</b>		<b>\$ 112,220.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
695	31.00	100%	21545.00	21545.00	43090.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Tolland** Road No **11** Section from \_\_\_\_\_ km to \_\_\_\_\_

Description of Work **Gravel Sheeting** Location of Gravel **Staffords pit** R2R

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					120	110									110
Tandem Water Truck					100	90									90
Loader					120	110									110
Prime Mover - ST/WT/Float					120	110									110
Prime Mover - ST/WT/Float					120	110									110
Prime Mover - ST/WT/Float					120	110									110
Mtnce Truck															0
SP Vibe Roller					40	40									40
Self Propelled Multi Wheel					20	20									20
Tractor Broom															0
Backhoe															0
Crew Cab					30	15									15
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>790</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
RCP's				0.00
Cement				0.00
Guide Posts / Signs				0.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	5500	2.5	13750.00
Gravel Royalties	M3	5500	1.5	8250.00
				0.00
				0.00
<b>Total Costs</b>				<b>22000.00</b>

Number of Days Work 12



Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	110	18.00	75.00	1980.00	8250.00
Tandem Water Truck	90	8.00	50.00	720.00	4500.00
Loader	110	16.00	60.00	1760.00	6600.00
Prime Mover - ST/WT/Float	110	18.00	75.00	1980.00	8250.00
Prime Mover - ST/WT/Float	110	18.00	75.00	1980.00	8250.00
Prime Mover - ST/WT/Float	110	18.00	75.00	1980.00	8250.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	40	9.00	40.00	360.00	1600.00
SP Multi Tyred Roller	20	9.00	40.00	180.00	800.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	15	5.00	25.00	75.00	375.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>715</b>			<b>11015.00</b>	<b>46875.00</b>

Ward \_\_\_\_\_ 0  
 Road Name **Tolland**  
 Road Number **11**  
 Section **0.00** to **0.00**

Labour	Wages	\$ 26,070.00	
	Overheads	\$ 26,070.00	
Materials		\$ 22,000.00	
Plant Operating Costs		\$ 46,875.00	
<b>TOTAL COSTS</b>		<b>\$ 121,015.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 11,015.00	
<b>TOTAL COSTS</b>		<b>\$ 132,030.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
790	33.00	100%	26070.00	26070.00	52140.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Truck-Carpark Hyden** Road No \_\_\_\_\_ Section from \_\_\_\_\_ km to \_\_\_\_\_

Description of Work **Drainage, Reconstruct and seal** Location of Gravel **Unknown** RCC

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					70	70	50	50							120
Tandem Water Truck					50	50	50	50							100
Loader					70	70									70
Prime Mover - ST/WT/Float					70	70									70
Prime Mover - ST/WT/Float					70	70									70
Prime Mover - ST/WT/Float					70	70									70
Mtnce Truck															0
SP Vibe Roller															0
Self Propelled Multi Wheel					30	30	30	30							60
Tractor Broom					10	10	30	30							40
Backhoe															0
Crew Cab					20	20									20
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>460</b>		<b>160</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
300mm Stormpro Ribbed Pipe	300	50	110	5500.00
Liners and lids	900	2	1500	3000.00
Installation/Labour and Plant		1	15000	15000.00
Slabs				0.00
Hire Possie	Days	10	350	3500.00
2 coat seal (10-5mm) Emulsion	m2	8000	6.5	52000.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	2000	2	4000.00
Gravel Royalties	M3	2000	1.5	3000.00
				0.00
				0.00
<b>Total Costs</b>				<b>86000.00</b>

Number of Days Work 13

Approx 8000m2 in area  
 This stage only includes area from main entrance to information bay heading in a easterly direction  
 Final design has not been completed when submitting costings.

Have assumed gravel from Colin Nicholls

No allowance has been made for Toilets

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	120	18.00	75.00	2160.00	9000.00
Tandem Water Truck	100	8.00	50.00	800.00	5000.00
Loader	70	16.00	60.00	1120.00	4200.00
Prime Mover - ST/WT/Float	70	18.00	75.00	1260.00	5250.00
Prime Mover - ST/WT/Float	70	18.00	75.00	1260.00	5250.00
Prime Mover - ST/WT/Float	70	18.00	75.00	1260.00	5250.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	0	9.00	40.00	0.00	0.00
SP Multi Tyred Roller	60	9.00	40.00	540.00	2400.00
Tractor Broom	40	0.00	40.00	0.00	1600.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	20	5.00	25.00	100.00	500.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>620</b>			<b>8500.00</b>	<b>38450.00</b>

Ward 0  
 Road Name Truck-Carpark Hyden  
 Road Number 0  
 Section 0.00 to 0.00

Labour	Wages	\$ 20,460.00	
	Overheads	\$ 20,460.00	
Materials		\$ 86,000.00	
Plant Operating Costs		\$ 38,450.00	
<b>TOTAL COSTS</b>		<b>\$ 165,370.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 8,500.00	
<b>TOTAL COSTS</b>		<b>\$ 173,870.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
620	33.00	100%	20460.00	20460.00	40920.00

## Shire of Kondinin - Works Estimate Sheet

GL No: \_\_\_\_\_ Road Name **Worland** Road No **54** Section from **1.66** km to **4.66**

Description of Work **Gravel Sheeting** Location of Gravel **Unknown** RCC

Machine	Clearing		Forming shoulders		Gravelling		Water Binding		Prime		Seal		Reseal		Total Machine Hours
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	
Grader					130	115									115
Tandem Water Truck					100	100									100
Loader					120	110									110
Prime Mover - ST/WT/Float					120	110									110
Prime Mover - ST/WT/Float					120	110									110
Prime Mover - ST/WT/Float					120	110									110
Mtnce Truck															0
SP Vibe Roller					40	40									40
Self Propelled Multi Wheel					20	20									20
Tractor Broom															0
Backhoe															0
Crew Cab					30	30									30
															0
															0
Supervision / Admin															0
<b>Total Labour Hours</b>	<b>0</b>		<b>0</b>		<b>800</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>

Materials	Size	Quantity	Rate/Cost	Costs (\$)
Camping	1	1	4000	4000.00
Cement				0.00
Guide Posts / Signs		30	50	1500.00
Slabs				0.00
Wet Mix				0.00
Metal				0.00
Primer				0.00
Hot Bitumen				0.00
Fencing				0.00
Contractors				0.00
Gravel Costs	M3	5500	2.5	13750.00
Gravel Royalties	M3	5000	1.5	7500.00
				0.00
				0.00
<b>Total Costs</b>				<b>26750.00</b>

Number of Days Work	13
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Will work back from 4.66 to 1.66

Machine	Hours	Plant Depreciation Rates	Plant Operation Rates	Plant Depreciation Costs (\$)	Plant Operation Costs (\$)
Grader	115	18.00	75.00	2070.00	8625.00
Tandem Water Truck	100	8.00	50.00	800.00	5000.00
Loader	110	16.00	60.00	1760.00	6600.00
Prime Mover - ST/WT/Float	110	18.00	75.00	1980.00	8250.00
Prime Mover - ST/WT/Float	110	18.00	75.00	1980.00	8250.00
Prime Mover - ST/WT/Float	110	18.00	75.00	1980.00	8250.00
Mtnce Truck	0	5.00	25.00	0.00	0.00
SP Vibrating Roller	40	9.00	40.00	360.00	1600.00
SP Multi Tyred Roller	20	9.00	40.00	180.00	800.00
Tractor Broom	0	0.00	40.00	0.00	0.00
Backhoe	0	9.00	50.00	0.00	0.00
Crew Cab	30	5.00	25.00	150.00	750.00
	0	0.00	0.00	0.00	0.00
	0	0.00	0.00	0.00	0.00
<b>Total Plant Costs</b>	<b>745</b>			<b>11260.00</b>	<b>48125.00</b>

Ward 0  
 Road Name Worland  
 Road Number 54  
 Section 1.66 to 4.66

Labour	Wages	\$ 26,400.00	
	Overheads	\$ 26,400.00	
Materials		\$ 26,750.00	
Plant Operating Costs		\$ 48,125.00	
<b>TOTAL COSTS</b>		<b>\$ 127,675.00</b>	NO DEPRECIATION
Plant Depreciation Costs		\$ 11,260.00	
<b>TOTAL COSTS</b>		<b>\$ 138,935.00</b>	WITH DEPRECIATION

Labour Hours	Labour Rate	Overheads Percentage	Labor Cost (\$)	Overheads Cost (\$)	Total Labour Cost (\$)
800	33.00	100%	26400.00	26400.00	52800.00