

SHIRE OF KONDININ WORKS COMMITTEE

MINUTES OF MEETING WORKS COMMITTEE

held at 1.00 pm on Wednesday 26th April 2023 at **Kondinin Council Chambers**

David Burton CHIEF EXECUTIVE OFFICER 27 April 2023

11 Gordon Street, KONDININ WA 6367 Tel (08) 98891006 Fax (08) 98891197 All communications are to be addressed to the CHIEF EXECUTIVE OFFICER Email: ceo@kondinin.wa.gov.au

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 M James (Chairperson)

Cr B Smith Cr P Green

Staff: David Burton (CEO) Leandré Genis (ESO)

Mark Burgess (MOW)

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

Ni

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.

	GL No:			_	Road Name	Bates				Road No	68	Section	on from	0.00	km to
Description of Work	Gravel Sh	eeting								Location	of Gravel	Unknown		_	Funds -To be de
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Prime Mover - ST/WT/Float					60	55									55
Prime Mover - ST/WT/Float					60	55									55
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SP Vibe Roller					40	40									40
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abour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)										

	GL No:			-	Road Name	Billericay E	ast			Road No	20	Section	n from	9.00	km to
Description of Work	Form and	Gravel								Location	of Gravel	Unknown		_	R2R
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Grader Tandem Water Truck Loader Prime Mover - ST/WT/Float Prime Mover - ST/WT/Float Prime Mover - ST/WT/Float Prime Mover - ST/WT/Float Mtnce Truck SP Vibrating Roller SP Multi Tyred Roller Tractor Broom Backhoe	100 90 85 85 85 85 0 45 35 0 0 0 0 630	Depreciation Rates 18.00 8.00 16.00 18.00 18.00 9.00 9.00 9.00 0.00 0.00 0.00 0.00	Operation Rates 75.00 50.00 60.00 75.00 75.00 40.00 40.00 40.00 50.00 60	Depreciation Costs (\$) 1800.00 720.00 1360.00 1530.00 1530.00 0.00 405.00 0.00 0.00 0.00 0.00 0.00 0.00 Overheads Cost (\$)	Operation Costs (\$) 7500.00 4500.00 4500.00 5100.00 6375.00 6375.00 0.00 1800.00 1400.00 0.00 0.00 39925.00 Total Labour Cost (\$)						Road Nam Road Num Section Labour Materials Plant Open	ating Costs TOTAL CO	Overhead OSTS sts	\$ 21,390.00 \$ 21,390.00 \$ 19,250.00 \$ 39,925.00 \$ 101,955.00 \$ 9,290.00	to NO DEPRECIA

	GL No:			•	Road Name	Car Park He	ockey (Hyde	en)		Road No		Section	on from	0.00	0 km to
scription of Work	Gravel Sh	eeting								Location	of Gravel	Mulchay		_	Funds -To be d
chine	CI	learing	Formin	g shoulders	Grave	ellina	Water	Binding	Pr	ime	S	eal		Reseal	Total
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ndem Water Truck	2	2													2
ider	4	4			20	20									24
ne Mover - ST/WT/Float	4	4			20	20									24
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ne Mover - ST/WT/Float						_									(
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de Posts / Signs				0.00		Days Work		J							
·				0.00					No allowa	ince for any	embakme	nt works oth	her than pra	am ramp (Gravel	Only) no
S										or pruning o			ici ciidii pii	anniannp (Graver	0,,,
Mix				0.00					Terriovaro	n pruning o	i tiees.				
al				0.00											
ner				0.00											
Bitumen				0.00											
cing				0.00											
tractors				0.00											
vel Costs	M3		_	0.00											
vel Royalties	M3	700	5	3500.00											
				0.00											
				0.00											
		Total 0	Costs	3500.00											
		Plant	Plant	Plant	Plant	1		•							
chine	Hours				Operation										
		Rates	Rates		Costs (\$)										
der	29			522.00	2175.00	1									
dem Water Truck	29			16.00	100.00	1					Ward			,	0
der	24			384.00	1440.00	1					Road Nam	10		Car Park Hocke	-
ne Mover - ST/WT/Float	24			432.00	1800.00	1					Road Num				ey (myden) D
e Mover - ST/WT/Float	24			432.00	1800.00	1					Section	INCI		0.00	-
ie Mover - ST/WT/Float	0			0.00	0.00	1					Section			0.00	5 10
						4									
ce Truck	0			0.00	0.00										
/ibrating Roller	11			99.00	440.00										
Multi Tyred Roller	10			90.00	400.00										7
tor Broom	0			0.00	0.00						Labour		Wages	\$ 4,422.00	
khoe	2			18.00	100.00								Overheads		
v Cab	8			40.00	200.00	1					Materials			\$ 3,500.00	
	0			0.00	0.00	4					Plant Ope	rating Costs		\$ 8,455.00	
	0	0.00	0.00	0.00	0.00							TOTAL CO	OSTS	\$ 20,799.00	NO DEPRECI
I Plant Costs	134			2033.00	8455.00	1					Plant Depi	reciation Co	sts	\$ 2,033.00	╗
	•	-				•						TOTAL CO		\$ 22,832.00	
						1								,;::2::00	
	Labour	Overheads	Labor	Overheads	Total Labour										

Cost (\$) 8844.00

Percentage

Cost (\$)

4422.00

Cost (\$)

4422.00

Labour Hours

	GL No:			•	Road Name	Clayton St (Whispering	g Gums)		Road No	126	Section	n from	0.00	km to	0.00
Description of Work	Drainage,	Reconstruct a	and seal							Location	of Gravel			_	RCC	
Machine	CI Labour	earing Machine	Forming Labour	g shoulders Machine	Grave Labour	elling Machine	Water Labour	Binding Machine	Pri Labour	ime Machine	S Labour	eal Machine	Labour	Reseal Machine	Total Machine Hours	
Grader					5	5									5	
Tandem Water Truck					5	5									5	
Loader					-	-									0	
Prime Mover - ST/WT/Float	1	İ													0	
Prime Mover - ST/WT/Float	1	İ													0	
Prime Mover - ST/WT/Float	1	İ													0	
Mtnce Truck	1	İ													0	
SP Vibe Roller	1	İ													0	
Self Propelled Multi Wheel	1	İ													0	
Tractor Broom															0	
Backhoe															0	
Crew Cab															0	
0.011 0.02															0	
	1	İ													0	
Supervision / Admin	1	İ													0	
Total Labour Hours	0	İ	0		10		0		0		0		()		ı
		1				l		4		4				-1		
Materials	Size	Quantity	Rate/Cost	Costs (\$)	1											
300mm stormpro ribbed pipe	300				ĺ	Number of	1	1 1								
Pre-Cast Headwalls	1	1	1500	1500.00		Days Work			This does	not include	car park or	McPherso	n Street			
Installation/Labour/Plant		1			'		ı	4								
Stab Sand /Backfill	m3	12		4200.00												
1050x900mm liners with lids	2															
Kerbing	m															
Bitumen repairs	1	1	3000	3000.00												
Possie	Days	5														
Twin Drum Roller	Days	2		800.00												
Contractors		<u> </u>		0.00												
Gravel Costs	M3	İ		0.00												
Gravel Royalties	M3	İ		0.00												
				0.00												
				0.00												
		Total C	Costs	27870.00												
Machine	Hours				Plant Operation											
Grader	5		Rates 75.00	Costs (\$) 90.00	Costs (\$) 375.00											
Tandem Water Truck	5			40.00	250.00						Ward			0		
Loader	0		60.00	0.00	0.00						Road Nam	۵		Clayton St (Whis		
Prime Mover - ST/WT/Float	0			0.00	0.00						Road Num			126		
Prime Mover - ST/WT/Float	0			0.00	0.00						Section	DOI		0.00		0.00
Prime Mover - ST/WT/Float	0		75.00	0.00	0.00						Journ			0.00	iO	0.00
Mtnce Truck	0		25.00	0.00	0.00											
SP Vibrating Roller	0				0.00											
SP Multi Tyred Roller	0			0.00	0.00											
Tractor Broom	0			0.00	0.00						Labour		Wages	\$ 330.00	1	
Backhoe	0				0.00						Laboui		Overhead			
Crew Cab	0				0.00						Materials		CVCITICAU	\$ 27,870.00		
CION Cab	0				0.00							ating Costs		\$ 625.00		
	0			0.00	0.00						i idili Opei	TOTAL CO		\$ 29,155.00	NO DEPRECIA	MOITA
Total Plant Costs		1	0.00								Diant Dans				INO DEFRECIA	TION
i ulai fiani Cusis	10	1		130.00	625.00						гант рерг	eciation Cos			WITH DEEDE	CLATION
	1	1		I	1							TOTAL CO	2010	\$ 29,285.00	WITH DEPRE	CIATION
	Labour	Overheads	Labor	Overheads	Total Labour											
Labour Hours	Rate			Cost (\$)	Cost (\$)											
	33.00															

	GL No:			•	Road Name	Higgins				Road No	92	Sectio	n from	2.10	km to	4.10
Description of Work	Form and	l Gravel								Location	of Gravel	Unknown		-	RCC	
Machine	Silt I Labour	Removal Machine	Fo Labour	orming Machine	Grave Labour	elling Machine	Water Labour	Binding Machine	Pri Labour	ime Machine	S Labour	eal Machine	Labour	Reseal Machine	Total Machine Hours]
Grader					80	80									80	
Tandem Water Truck	1	İ			70	70		1							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					,,,	7.0									0	-
SP Vibe Roller					30	30									30	
Self Propelled Multi Wheel					20	20									20	
Tractor Broom	+				20	20		+							0	
Backhoe	+														0	
Crew Cab	+				15	15									15	
Crew Cab	+				13	15									13	
	+	-				-		+			-				0	-
Companision / Admin															0	
Supervision / Admin			_		405		_		_						0	1
Total Labour Hours	0	1	0	<u> </u>	495]	0	<u> </u>	0	1	0	4	0	4		
Materials	Size	Quantity	Rate/Cost	Costs (\$)]											
RCP's		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.00		Number of	9	il 1								l
Cement				0.00		Days Work	_					n his list of r				
Guide Posts / Signs	1	İ		0.00		_ = =			Upon insp	ection i bel	ieve there i	s approx 2 -	2.5km tha	t is in need of gra	vel as it tends	
Slabs				0.00					to turn slip	ppery.						
Wet Mix	1	İ		0.00					Happy to I	be guided b	y CR James	regarding t	his, given it	t is now a bus rou	ite	
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													
Stavel Reyallico	IVIO	0000	1.0	0.00												
				0.00												
		Total C	Costs	10500.00]											
		Plant	Plant	Plant	Plant	1										·
Machine	Hours				Operation											
		Rates	Rates	Costs (\$)	Costs (\$)											
Grader	80				6000.00	1										
Tandem Water Truck	70		50.00		3500.00						Ward			C)	
Loader	70				4200.00						Road Nam	ie		Higgins		
Prime Mover - ST/WT/Float	70				5250.00						Road Num			92		
Prime Mover - ST/WT/Float	70		75.00		5250.00						Section	1001		2.10		4.10
Prime Mover - ST/WT/Float	70				5250.00						Coolon			2.10		4.10
Mtnce Truck	0		25.00	0.00	0.00	1										
SP Vibrating Roller	30		40.00		1200.00											
SP Multi Tyred Roller	20		40.00	180.00	800.00											
Tractor Broom	0		25.00	0.00	0.00						Labour		Wages	\$ 15,345.00	1	
	0			0.00							Laboui		Overheads			
Backhoe Crew Cab	15		50.00 25.00	75.00	0.00 375.00						Materials		Overneads	\$ \$ 15,345.00 \$ 10,500.00		
Crew Cab	0											otina Cooto				
			0.00	0.00	0.00						Plant Oper	rating Costs		\$ 31,825.00	NO DEPOSO	ATION
T. (18) . (0)	0		0.00	0.00	0.00						D D	TOTAL CO		\$ 73,015.00	NO DEPRECIA	ATION
Total Plant Costs	495	J		7425.00	31825.00	J					Plant Depr	eciation Cos		\$ 7,425.00	4	
		T	1	ı	1	7						TOTAL CO	OSTS	\$ 80,440.00	WITH DEPRE	CIATION
	I	l	l	l												
	Labour	Overheads	Labor	Overheads	Total Labour											
Labour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)	1										
49	5 31.00	100%	15345.00	15345.00	30690.00	1										

	GL No:			•	Road Name	Hippo's Yav	vn			Road No		Section	n from	0.00	km to	0.00
Description of Work	Drainage,	construct and	d Seal entra	ance and Carp	ark					Location	of Gravel			_	RCC	
Machine	CI Labour	earing Machine	Formin Labour	g shoulders Machine	Grave Labour	elling Machine	Water Labour	Binding Machine		ime Machine	S	eal Machine	Labour	Reseal Machine	Total Machine Hours	
Grader					40	40									40	
Tandem Water Truck		İ			30	30		1							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					10	10									0	4
SP Vibe Roller					25	30									30	
Self Propelled Multi Wheel					25	30		+							30	
Tractor Broom					25	30									0	
Backhoe		-						+			-	-			0	
Crew Cab		-						+			-	-			0	
Crew Cab								-							0	
								-							0	
0		+						1							0	
Supervision / Admin	_														0	
Total Labour Hours	0	1	0	1	180	ļ	0	<u> </u>	0	1	0]		<u>) </u>		
Materials	Size	Quantity	Rate/Cost	Costs (\$)]											
300mm stormpro ribbed pipe	300	24	110	2640.00		Number of	5	i] 1	D.:		1	200 2				
Pre-Cast Headwalls	300	2	1500	3000.00		Days Work			Bitumen A	area for sea	l approx. 20	000m2				
Installation/Labour/Plant		1	11000	11000.00				_								
Stab Sand /Backfill	m3	8	400	3200.00					Will need	to try and s	top water f	rom passing	g over seal	area by construct	ing levies	
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													
				0.00												
				0.00												
		Total C	Costs	35440.00												
		Plant	Plant	Plant	Plant	1										ļi.
Machine	Hours			Depreciation												
Widolin C	riouro	Rates	Rates	Costs (\$)	Costs (\$)											
Grader	40					1										
Tandem Water Truck	30		50.00		1500.00						Ward			0		
Loader	15				900.00						Road Nam	ρ.		Hippo's Yawn		
Prime Mover - ST/WT/Float	15			270.00	1125.00	4					Road Num			nippos rawii		
Prime Mover - ST/WT/Float	15		75.00		1125.00						Section	DOI		0.00		0.00
Prime Mover - ST/WT/Float	15			270.00	1125.00						Journ			0.00	i.u	0.00
Mtnce Truck	0		25.00	0.00	0.00											
SP Vibrating Roller	30		40.00		1200.00											
SP Multi Tyred Roller			40.00	270.00	1200.00	4										
	30			0.00							Lobour		Magas	¢ 5,040,00	1	
Tractor Broom	0		40.00		0.00						Labour		Wages	\$ 5,940.00		
Backhoe Crow Cab	Ŭ	0.00	50.00		0.00	4					Motoriala		Overhead			
Crew Cab	0		25.00	0.00	0.00						Materials			\$ 35,440.00		
	0		0.00	0.00	0.00						Plant Oper	ating Costs		\$ 11,175.00	NO DESSES:	
	0		0.00	0.00	0.00	4						TOTAL CO		\$ 58,495.00	NO DEPRECIA	ATION
Total Plant Costs	190	j		2550.00	11175.00	j					Plant Depr	eciation Cos		\$ 2,550.00	1	
			•			•						TOTAL CO	OSTS	\$ 61,045.00	WITH DEPRE	CIATION
	1	l	l			1										
	Labour	Overheads	Labor	Overheads	Total Labour	1										
Labour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)	1										
18	0 33.00	100%	5940.00	5940.00	11880.00]										

	GL No:			-	Road Name	Holland Tra	ck			Road No	89	Sectio	n from	1.47	km to	4.75
Description of Work	Form and	l Gravel								Location	of Gravel	Strother		_	RCC	
Machine	Silt F Labour	Removal Machine	Fo Labour	orming Machine	Grave Labour	elling Machine	Water Labour	Binding Machine		ime Machine	S Labour	eal Machine	Labour	Reseal Machine	Total Machine Hours	1
Grader					90	90									90	,
Tandem Water Truck	1	İ		İ	90	90		1							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					- 00	- 00									0	-1
SP Vibe Roller					40	40									40	
Self Propelled Multi Wheel					40	40									40	
Tractor Broom					40	40									40	1
Backhoe	+							+		-					0	-
Crew Cab	_				25	25									25	-
Crew Cab	-				25	25		-							25	-1
	+	+		-				1							0	4
															0	4
Supervision / Admin	_										_				0	4
Total Labour Hours	0	1	0	1	605	ļ	0	<u> </u>	0]	0	4		<u>) </u>		
Materials	Size	Quantity	Rate/Cost	Costs (\$)	1											
RCP's	OIZC	Quartity	rtate/00st	0.00		Number of	10	n ,								1
Cement				0.00		Days Work	10	1	Total dista	ance 3.3km						
Guide Posts / Signs				0.00		Days Work		_	Assuming	Gravel can	be supplied	by strother	r, CR smith	to chase up		
Slabs	+			0.00						one with CF		,		•		
Wet Mix	+			0.00												
Metal	+			0.00					Have allow	wed for ren	air works o	n this road v	whilst carti	nα		
	-			0.00					riave allov	wed for rep	all WOLKS OF	ii tiiis i oau v	willist cartii	i ig		
Primer	+	+		0.00												
Hot Bitumen	+	+														
Fencing	+	+		0.00												
Contractors	140	4000	_													
Gravel Costs	M3	4000	2													
Gravel Royalties	M3	4000	1.5	6000.00	•											
	+	1		0.00												
	1	Total C	`nete	14000.00												
		Total C	70313	14000.00	J											
		Plant	Plant	Plant	Plant	1										
Machine	Hours	Depreciation	Operation	Depreciation	Operation											
		Rates	Rates	Costs (\$)	Costs (\$)											
Grader	90					1										
Tandem Water Truck	90		50.00								Ward			0	ı	
Loader	80										Road Nam	ie		Holland Track		
Prime Mover - ST/WT/Float	80					4					Road Num			89	į	
Prime Mover - ST/WT/Float	80		75.00		6000.00						Section			1.47		4.75
Prime Mover - ST/WT/Float	80															
Mtnce Truck	0		25.00		0.00											
SP Vibrating Roller	40		40.00		1600.00											
SP Multi Tyred Roller	40		40.00			4										
Tractor Broom	0		40.00		0.00						Labour		Wages	\$ 19,965.00	1	
Backhoe	0		50.00		0.00						Laboui		Overhead			
Crew Cab	25		25.00		625.00						Materials		Overneau	\$ 14,000.00		
Crew Cab	0		0.00		0.00							ating Costs		\$ 37,875.00		
	0				0.00						г ант Орег	TOTAL CO			NO DEPRECIA	ATION
Tatal Plant Octob	Ŭ	0.00	0.00	1		4					Di D			\$ 91,805.00	INO DEPRECI	ATION
Total Plant Costs	605	J		8785.00	37875.00	j					Plant Depr	eciation Cos		\$ 8,785.00		
		1	1	T	1	1						TOTAL CO	STS	\$ 100,590.00	WITH DEPRE	CIATION
	1				T											
	Labour	Overheads	Labor	Overheads	Total Labour	1										
Labour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)											
60	33.00	100%	19965.00	19965.00	39930.00	I										

	GL No:			=	Road Name	Karlgarin La	ake floodwa	ay		Road No	56	Section	n from		km to
Description of Work	Upgrade o	culverts and w	viden flood	way						Location	of Gravel			_	RCC
Machine	CI	earing	Formin	g shoulders	Grave	elling	Water	Binding	Pr	ime	S	eal		Reseal	Total
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Machine Hours
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
Total Labour Hours	0		0		42		0		0		0		0		
		•	•		<u>. </u>	<u>-</u> '	•	 '		- -	•	- -	•	 -	
Materials	Size	Quantity	Rate/Cost					_							
RCP's	450	15				Number of	1		Eviction -	ulvort non-l-	ronlasia-	cuaacet	uco tho si	estic pipes alus: +	ho salt
Headwalls	450	2	1500	3000.00		Days Work								astic pipes given t	ne sait
Guide Posts / Signs				0.00				_	content. I	nis wili aiso	allow us to	widen this	section (80	Jm)	
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											
	-	Total C	Costs	10100.00											
				•	•										
		Plant	Plant	Plant	Plant										
Machine	Hours	Depreciation	Operation	Depreciation	Operation										
		Rates	Rates	Costs (\$)	Costs (\$)										
Grader	10	18.00	75.00												
Tandem Water Truck	0	8.00	50.00	0.00	0.00						Ward			0)
Loader	10	16.00	60.00	160.00	600.00						Road Nam	ie		Karlgarin Lake fl	oodway
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00						Road Num	ber		56	
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00						Section			0.00) to 0.0
Prime Mover - ST/WT/Float	0	18.00			0.00										
Mtnce Truck	0	5.00			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			0.00						Labour		Wages	\$ 1,386.00	
Backhoe	0												Overheads		
Crew Cab	0	5.00	25.00	0.00	0.00						Materials			\$ 10,100.00	
	0				0.00						Plant Oper	ating Costs		\$ 2,930.00	
	0	0.00	0.00	0.00	0.00							TOTAL CO	OSTS	\$ 15,802.00	NO DEPRECIATION
Total Plant Costs	42			718.00	2930.00						Plant Deni	eciation Cos		\$ 718.00	1
		1				1					<u></u>	TOTAL CO		\$ 16,520.00	WITH DEPRECIATIO
												. 5		Ψ 10,020.00	
	Labour	Overheads	Labor	Overheads	Total Labour										
Labour Hours	Rate		Cost (\$)	Cost (\$)	Cost (\$)										
	42 33.00														
	23100	. 30 70													

	GL No:			•	Road Name	Cemetery E	ntrance an	d Car Park		Road No		Section	n from	0.00	km to	0.25
Description of Work	Drainage,	construct and	l Seal entra	ance and grave	el Construct p	parking area				Location	of Gravel	Sloan		-	RCC	
Machine	Ca Labour	r Park Machine	Formin Labour	g shoulders Machine	Grave Labour	elling Machine	Water Labour	Binding Machine		ime Machine	S Labour	eal Machine	Labour	Reseal Machine	Total Machine Hours	
Grader	30	30	Laboui	IVIACITILE	15	15	30	30	Laboui	Machine	Laboui	Macrine	Laboui	Macrine	75	
Tandem Water Truck	20	20			15	15	20	20							55	
				-			20	20								
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		•	
	•	•	•	•		•	='	=-		-	•	•	•	.		
Materials	Size	Quantity	Rate/Cost	Costs (\$)												
375mm stormpro ribbed pipe	m	36	110	3960.00		Number of	6		C - 11 - C						. 1	
Pre-Cast Headwalls	each	4	1500	6000.00		Days Work			Seal is froi	m Wilkins R	oad to cem	etery gate (not inside (cemetery ground	5)	
Installation/Labour/Plant		1	10000	10000.00				-								
Stab Sand /Backfill	m3	8	400	3200.00					Price does	not include	e proposed	new wall				
Wet Mix				0.00												
Two coat Seal (10&5mm)	m2	3000	5.5						All works	done in acc	ordance wi	th design				
Primer				0.00								•				
Hot Bitumen				0.00												
Survey Set out	1	1	3000	3000.00												
Contractors				0.00												
Gravel Costs		1000	2													
Gravel Royalties		1000	_	0.00												
o.a.o. r.oyamoo				0.00												
	1			0.00												
	_L	Total C	insts.	44660.00												
		Total C	70313	44000.00]	_										
		Plant	Plant	Plant	Plant											
Machine	Hours	Depreciation	Operation	Depreciation	Operation											
		Rates	Rates	Costs (\$)	Costs (\$)]										
Grader	75															
Tandem Water Truck	55	8.00	50.00		2750.00						Ward			0		
Loader	35	16.00	60.00	560.00	2100.00]					Road Nam	e		Cemetery Entrar	nce and Car Park	
Prime Mover - ST/WT/Float	35	18.00			2625.00]					Road Num	ber		0		
Prime Mover - ST/WT/Float	35	18.00	75.00	630.00	2625.00]					Section			0.00	to	0.25
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	1										
Tractor Broom	0		40.00	0.00	0.00						Labour		Wages	\$ 11,055.00	1	
Backhoe	0	9.00	50.00	0.00	0.00								Overheads			
Crew Cab	0		25.00		0.00						Materials			\$ 44,660.00		
	0		0.00		0.00							ating Costs		\$ 20,950.00	ĺ	
	0	0.00			0.00						poi	TOTAL CO		\$ 87,720.00	NO DEPRECIA	NOITA
Total Plant Costs	335		0.00	4825.00	20950.00						Plant Door	eciation Cos		\$ 4,825.00		
i otai i iaiit 005t5	335	j		+020.00	20300.00	J					i iai ii Depi				WITH DEDDE	NATION!
		1	l	1	ı	1						TOTAL CO	2313	\$ 92,545.00	WITH DEPRE	JATION
	Lahour	Overboods	Labor	Overboods	Total Labour											
Lohour Hours	Labour	Overheads	Labor	Overheads		I										
Labour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)	4										
335	33.00	100%	11055.00	11055.00	22110.00]										

Self Removed Forming Forming Citywelling Water Bending Prime Self Relation Machine Labour Labour Lab		GL No:			_	Road Name	Modesty Ro	ock			Road No	88	Section	on from	7.50	km to			
Second Color Seco	Description of Work	Form and	l Gravel								Location	of Gravel	Strother		_	RCC			
Second Color Seco	Mashina	C:lt I	Domoval		ormina.	Crow	alling	Motor	Dinding	I D:	ima	1 6	and and	1		Total			
Sealer	iviacrime												-	Lobour					
Transfer Wilder Truck	O	Labour	Macrine	Labour	Macrine			Labour	Macrine	Labour	Machine	Labour	Macrine	Labour	iviacrime				
Content																			
Part																			
Frienk Nover - STWT/Float																			
Final Popular Final Popula																			
Annual Content																			
P Vise Roller	Prime Mover - ST/WT/Float					60	60									60			
Self-Properties Multi Wheel	Mtnce Truck															0			
Tractor Brown	SP Vibe Roller					30	25									25			
Tractor Brown	Self Propelled Multi Wheel					20	15									15			
Size																0			
																0			
Comment Comm				1		15	15		1	1						15			
Value Valu	Diew Cab			1		13	13			1				1		13			
Materials Size Quantity RaterCost Costs S Costs Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs Costs S Costs Costs S Costs Costs S Costs Costs S Costs Co		_			 			-		 	 		<u> </u>		<u> </u>	0			
Materials Size Quantity RaterCost Costs S Costs Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs S Costs Costs S Costs Costs S Costs Costs S Costs Costs S Costs Co			1	}	1	 	1		ļ	1	1		 		1	0			
Machine Hours Plant Plant Plant Plant Poperation Poper		_	ļ	1					ļ	_					_	0			
Number of Days Work Number of Days Work	otal Labour Hours	0	4		<u>)</u>	445]	0	1	0	1	0	<u>u</u>		<u>D</u>				
Number of Days Work Syring Substance Syring Substance Syring Substance Syring Substance Syring Substance Syring Substance Syring Syring Substance Syring Syr						-													
Demonth Demo	Materials	Size	Quantity	Rate/Cost					_										
Assuming Gravet can be supplied by strother, CR smith to chase up	RCP's				0.00		Number of	7		Takal disk	2 Ol								
Suk was done with CR Smith Suk was done with CR Smith Suk was done with CR Smith	Cement				0.00		Days Work												
Salba	Guide Posts / Signs				0.00		Assuming Gravel can be supplied by strother, CR smith to chase up												
Vet Mix	Ÿ									SLK was d									
Action																			
Description Description																			
Id. Blumen				1															
Contractors Contractors																			
Contractors																			
Stravel Costs M3	•					4													
Stave Royalties M3																			
Total Costs 8750.00	Gravel Royalties	M3	2500	1.5	3750.00														
Total Costs 875.0.00 Flant Plant Plant Plant Popreciation Plant Popreciation					0.00														
Plant Depreciation Depreciatio					0.00														
Machine		•	Total C	Costs	8750.00														
Machine					•	•													
Machine			Plant	Plant	Plant	Plant	1												
Rates Rates Costs (\$) Cost (\$) Costs (\$) Costs (\$) Costs (\$) Cost (\$)	√lachine	Hours																	
Strader 70		1.00.0																	
Variable Variable	Grader	70					1												
Coader 60 16.00 60.00 960.00 3600.00 3600.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 4500.00 75.00 1080.00 75.00 7							1					Mord			^				
Prime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 Frime Mover - ST/WT/Float 60 18.00 75.00 1080.00 Frime Mover - ST/WT/Float 60 18.00 Frime M							1						_						
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 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 Prime Mover - ST/WT/Float 60 18.00 75.00 1080.00 Prime Mover - ST/WT/Float 60 18.00 75.00 1080.00 Prime Mover - ST/WT/Float 60 18.00 75.00 Prime M																			
Prime Mover - ST/WT/Float 60 18.00 75.00 1080.00 4500.00 Attnoc Truck 0 5.00 25.00 0.00 0.00 BP Winter Truck 0 5.00 25.00 0.00 0.00 BP Winter Truck 0 0 5.00 25.00 0.00 0.00 0.00 BP Winter Truck 0 0 5.00 40.00 135.00 600.00 Fractor Broom 0 0 0.00 40.00 135.00 600.00 Fractor Broom 0 0 0.00 40.00 0.00 0.00 0.00 Exact No 0 0.00 50.00 0.00 0.00 0.00 Exact No 0 0.00 50.00 0.00 0.00 0.00 0.00 Exact No 0 0.00 0.00 0.00 0.00 0.00 Exact No 0 0.00 0.00 0.00 0.00 0.00 Exact No 0 0.00 0.00 0.00 0.00 0.00 Exact No 0 0.00 0.00 0.00 0.00 0.00 Exact No 0 0.00 0.00 0.00 0.00 0.00 0.00 0.00													nber						
Mince Truck 0 5.00 25.00 0.00 0.00 0.00 0.00 0.00 0												Section			7.50	to			
SP Vibrating Roller 25 9.00 40.00 225.00 1000.00 100	Prime Mover - ST/WT/Float	60	18.00	75.00	1080.00	4500.00													
SP Vibrating Roller 25 9.00 40.00 225.00 1000.00 100	/Itnce Truck	0	5.00	25.00	0.00	0.00													
SP Multi Tyred Roller		25					Ī												
Tractor Broom 0 0.00 40.00 0.00							1												
Second 15 5.00 25.00 75.00 375.00							1					Lahour		Wages	\$ 14 685 00	Ì			
Crew Cab							1					Laboui							
1							1					Motorio!-		Overnead					
0 0.0	new Cab						1												
Cotal Plant Costs 435 6455.00 27825.00 Plant Depreciation Costs \$ 6,455.00 \$ 72,400.00 WITH DEPRECIAL COSTS \$ 72,400.00 WITH DEPRECIAL COST			0.00				1					Plant Oper				4			
Labour Hours Labour Percentage Cost (\$) Cost (\$) Cost (\$) TOTAL COSTS \$ 72,400.00 WITH DEPRECI		0	0.00	0.00	0.00	0.00							TOTAL CO	OSTS	\$ 65,945.00	NO DEPRECIAT			
Labour Hours Labour Percentage Cost (\$) Cost (\$) Labour Cost (\$) Total Labour Cost (\$) Cost (\$) Cost (\$) Cost (\$) Cost (\$)	otal Plant Costs	435			6455.00	27825.00	l					Plant Depr	eciation Cos	sts	\$ 6,455.00				
Labour Overheads Labor Overheads Total Labour Rate Percentage Cost (\$) Cost (\$) Cost (\$)			-			•	•									WITH DEPRECI			
abour Hours Rate Percentage Cost (\$) Cost (\$) Cost (\$)							1								- : =, :00:00				
abour Hours Rate Percentage Cost (\$) Cost (\$) Cost (\$)		Labour	Overheads	Labor	Overheads	Total Labour													
	abour Hours																		
							1												

	GL No:			•	Road Name	Notting Kar	lgarin Floo	dway		Road No	6	Section	n from	0.50	km to	0.70
Description of Work	Reconstru	ict and seal								Location	of Gravel	Unknown		_	RCC	
Machine	Labour	earing Machine	Formin Labour	g shoulders Machine	Grave Labour	elling Machine	Water Labour	Binding Machine	Pri Labour	ime Machine	S Labour	eal Machine	Labour	Reseal Machine	Total Machine Hours	
Grader	Laboui	WIGGIIIIC	Labour	Wacriiric	15	15	20	20	Labour	Macrillo	Laboui	Macrinic	Laboui	Machine	35	.1
Fandem Water Truck					10	10	10	10							20	
Loader					10	10	10	10							10	
Prime Mover - ST/WT/Float					10	10									10	_
Prime Mover - ST/WT/Float					10	10									10	_
Prime Mover - ST/WT/Float	1				10	10									10	_
Mtnce Truck	1				10	10									0	-1
SP Vibe Roller	1				10	10	10	10							20	
Self Propelled Multi Wheel	1				10	10	20	20							30	-1
Fractor Broom	-				10	10	20	20		-	-	-			0	_
Backhoe	-							-		-	-	-			0	4
Crew Cab	-				10	10		-		-	-	-			10	<u>'</u>
Siew Cab					10	10									0	_
	1														0	
Supervision / Admin	1														0	
Fotal Labour Hours	0		0		95		60		0		0		0	1		1
Total Labour Hours		ļ		ļ	95	l	- 60		0			1		4		
Materials	Size	Quantity	Rate/Cost	Costs (\$)	Ì											
RCP's	OIZC	Quantity	rtate/00st	0.00		Number of	4	1 1								1
Cement				0.00		Days Work	7		Suggest th	nat we ceme	ent stab sul	o- base to a	depth of 20	00mm		
Guide Posts / Signs				0.00		Days Work	l	J	Overlay w	ith 150mm	of new bas	e course (M	lix with Gra	ider)		
Slabs	+			0.00												
Wet Mix/Cement Stab	m2	2000	6.5	13000.00					Should be	able to scr	atch up me	tal left over	from other	r roads		
Metal	1112	2000	0.0	0.00												
Seal (2Coat 14/7mm)	m2	1800	5.5	9900.00												
Hot Bitumen		1000	0.0	0.00												
encing				0.00												
Contractors				0.00												
Gravel Costs	M3	500	2	1000.00												
Gravel Royalties	M3	500	1.5													
				0.00												
				0.00												
	1	Total C	Costs	24650.00												
		Plant	Plant	Plant	Plant	1		•								
Machine	Hours															
		Rates	Rates	Costs (\$)	Costs (\$)											
Grader	35															
Fandem Water Truck	20	8.00	50.00	160.00	1000.00						Ward			0		
Loader	10	16.00		160.00	600.00	1					Road Nam	e		Notting Karlgarin		
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00	1					Road Num			6	,	
Prime Mover - ST/WT/Float	10	18.00	75.00	180.00	750.00	1					Section			0.50	to	0.70
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	1										
SP Vibrating Roller	20	9.00		180.00	800.00											
SP Multi Tyred Roller	30	9.00	40.00	270.00	1200.00	1										
Fractor Broom	0		40.00	0.00	0.00						Labour		Wages	\$ 5,115.00	1	
Backhoe	0	9.00		0.00	0.00	1							Overheads			
Crew Cab	10	5.00	25.00	50.00	250.00	1					Materials			\$ 24,650.00		
	0		0.00	0.00	0.00	1						ating Costs		\$ 8,725.00		
	0	0.00		0.00	0.00	1						TOTAL CO		\$ 43,605.00	NO DEPRECIA	ATION
Total Plant Costs	155			1990.00	8725.00	1					Plant Depr	eciation Cos		\$ 1,990.00		
	.00	1			22.00	ı					op-	TOTAL CO		\$ 45,595.00	WITH DEPRE	CIATION
						1								5,000.00	, DEI NE	
	Labour	Overheads	Labor	Overheads	Total Labour											
_abour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)											
155		100%	5115.00]										

	GL No:			_	Road Name	Roe				Road No	53	Section	n from	12.60	km to	15.60
Description of Work	Form and	I Gravel								Location	of Gravel	Marsh		-	RCC	
Machine	Silt F	Removal	F	orming	Grave	elling	Water	Binding	Pr	ime	S	eal		Reseal	Total	1
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Machine Hours]
Grader					110	100									100]
Tandem Water Truck					100	100									100	1
Loader					100	100									100	1
Prime Mover - ST/WT/Float					100	100									100	1
Prime Mover - ST/WT/Float					100	100									100	
Prime Mover - ST/WT/Float					100	100									100	1
Mtnce Truck															0	l
SP Vibe Roller					40	40									40	l
Self Propelled Multi Wheel					30	30									30	l
Tractor Broom															0	l
Backhoe															0	l
Crew Cab					25	25									25	l
	1														0	i
															0	i
Supervision / Admin	1														0	i
Total Labour Hours	0		0		705		0		0		0		0		•	•
**************************************		4		•		• '		4		•	<u> </u>	-	<u> </u>	•		
Materials	Size	Quantity	Rate/Cost	Costs (\$)	1											
RCP's				0.00	1 1	Number of	12] :								
Cement				0.00	4	Days Work						ading south				
Guide Posts / Signs		İ		0.00		,		1	Totally ler	ngth require	d is 12.60 -	19.70 (7km	ı) - suggest	this is done over	2 - 3 years	
Slabs		İ		0.00												
Wet Mix				0.00												
Metal		İ		0.00												
Primer				0.00												
Hot Bitumen				0.00												
Fencing				0.00												
Contractors				0.00												
Gravel Costs	МЗ	4000	2		4											
Gravel Royalties	M3	4000			4											
Graver Royanies	IVIO	+000	1.0	0.00												
				0.00												
		Total C	nete	14000.00												
		Total C	20313	14000.00	1											
		Plant	Plant	Plant	Plant	1										
Machine	Hours			Depreciation												
		Rates	Rates	Costs (\$)	Costs (\$)											
Grader	100					1										
Tandem Water Truck	100					1					Ward			C)	
Loader	100					1					Road Nam	e		Roe		
Prime Mover - ST/WT/Float	100	18.00				1					Road Num			53	1	
Prime Mover - ST/WT/Float	100	18.00	75.00		7500.00	ł					Section	DCI		12.60		15.60
Prime Mover - ST/WT/Float	100	18.00			7500.00	1					OCCION			12.00		13.00
	_					1										
Mtnce Truck	0				0.00	1										
SP Vibrating Roller	40					1										
SP Multi Tyred Roller	30					1					1 - 1		14/	A 04 055 00	1	
Tractor Broom	0										Labour		Wages	\$ 21,855.00		
Backhoe	0				0.00	1							Overheads			
Crew Cab	25				625.00						Materials			\$ 14,000.00		
	0				0.00	1					Plant Oper	ating Costs		\$ 44,425.00		
	0	0.00	0.00									TOTAL CO		\$ 102,135.00	NO DEPRECIA	ATION
Total Plant Costs	695]		10355.00	44425.00						Plant Depr	eciation Cos	sts	\$ 10,355.00		
						-						TOTAL CO	STS	\$ 112,490.00	WITH DEPREC	IOITAIC
															-	
	Labour	Overheads	Labor	Overheads	Total Labour											
Labour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)											
70	31.00	100%	21855.00	21855.00	43710.00											

	GL No:			Road Name Sedgewick							71 Section from			0.00 km to		3.50
Description of Work	Form and	Gravel								Location	of Gravel	Unknown	_	RCC		
Machine	Silt F Labour	Removal Machine	Fo Labour	orming Machine	Grave Labour	elling Machine	Water Labour	Binding Machine	Pri Labour	ime Machine	Labour	Seal Machine	Labour	Reseal Machine	Total Machine Hours	
Grader					110	110									110	
Tandem Water Truck					90	90						1			90	
Loader					100	100									100	i
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					.00										0	
SP Vibe Roller					50	50									50	
Self Propelled Multi Wheel					20	20									20	
Tractor Broom	+				20	20									0	
Backhoe												+			0	
Crew Cab	+				25	25						1			25	
Olew Cab					25	25						+			0	
	+											1			0	
Supervision / Admin															0	
Total Labour Hours	0		0		695		0		0		C)		0	0	Į
Total Labour Flours		1		Į I	000	ļ	0	1		1		4	·	<u>~1</u>		
Materials	Size	Quantity	Rate/Cost	Costs (\$)	ĺ											
RCP's	0.20	quantity	11010/0001	0.00		Number of	12	1 1								
Cement	+			0.00		Days Work										
Guide Posts / Signs	+			0.00	Į.	Bayo Work		1								
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												
Graver Royalties	IVIO	4000	1.5	0.00												
	+			0.00												
	1	Total C	Costs	14000.00												
Machine	Hours		Plant Operation Rates	Depreciation	Plant Operation Costs (\$)											
Grader	110	18.00		1980.00												
Tandem Water Truck	90			720.00	4500.00						Ward			0		
Loader	100	16.00	60.00	1600.00	6000.00						Road Nam	ne		Sedgewick		
Prime Mover - ST/WT/Float	100	18.00		1800.00	7500.00						Road Num			71		
Prime Mover - ST/WT/Float	100			1800.00	7500.00						Section			0.00	to	3.50
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				2000.00											
SP Multi Tyred Roller	20			180.00	800.00											
Tractor Broom	0	0.00	25.00	0.00	0.00						Labour		Wages	\$ 21,545.00		
Backhoe	0			0.00	0.00								Overhead			
Crew Cab	25			125.00	625.00						Materials			\$ 14,000.00		
	0			0.00	0.00							rating Costs		\$ 44,675.00		
	0			0.00	0.00							TOTAL CC		\$ 101,765.00	NO DEPRECIA	ATION
Total Plant Costs	695		0.50	10455.00	44675.00						Plant Deni	reciation Cos		\$ 10,455.00		
	033	J		10400.00	1-107 0.00						. idiil Dopi	TOTAL CO		\$ 112,220.00	WITH DEPRE	NOITAIC
		1										10 IAL OC	,510	Ψ 112,220.00	· · · · · · · · · · · · · · · · · · ·	OIATION
	Labour	Overheads	Labor	Overheads	Total Labour											
Labour Hours	Rate				Cost (\$)											
695			21545.00													

	GL No:				Road Name	Tolland				Road No	11	Section	on from		km to
Description of Work	Gravel Sh	eeting							_	R2R					
Machine	C	Clearing		g shoulders	Grav	elling	Water	Binding	Pr	ime	Se	al		Reseal	Total
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Machine Hours
Grader					120	110									110
Tandem Water Truck					100	90									90
Loader					120	110									110
Prime Mover - ST/WT/Float					120	110					1				110
Prime Mover - ST/WT/Float					120	110					1				110
Prime Mover - ST/WT/Float					120	110					+				110
Mtnce Truck			1	1	120	110				1	+ +				110
SP Vibe Roller			1	1	40	40				1	+ +				40
					20	20					+				
Self Propelled Multi Wheel					20	20									20
Tractor Broom											ļ				0
Backhoe															C
Crew Cab			1	ļ	30	15					1		ļ		15
			1						ļ				1		0
			1												0
Supervision / Admin									<u></u>						0
Total Labour Hours	0		0		790		0		0		0			0	
		-	-	~		-		-		-					
Materials	Size	Quantity	Rate/Cost	Costs (\$)]										
RCP's			1	0.00	1	Number of	12]							
Cement				0.00		Days Work									
Guide Posts / Signs				0.00		Dayoo	l .	1							
Slabs				0.00											
Wet Mix			1	0.00											
Metal				0.00											
Primer				0.00											
Hot Bitumen				0.00											
encing				0.00											
Contractors				0.00											
Gravel Costs	M3	5500		13750.00											
Gravel Royalties	M3	5500	1.5	8250.00											
				0.00											
				0.00											
		Total (Costs	22000.00]										
		Plant	Plant	Plant	Plant	1			•						
Machine	Hours				Operation	1									
*idoi iii io	i loui s	Rates	Rates	Costs (\$)	Costs (\$)	1									
Grader	110					1									
											Mord			,	
Fandem Water Truck	90			720.00	4500.00	1					Ward			Talland (J
oader	110			1760.00	6600.00	4					Road Name			Tolland	
Prime Mover - ST/WT/Float	110			1980.00	8250.00	4					Road Numb	er		11	
Prime Mover - ST/WT/Float	110			1980.00	8250.00	1					Section			0.00) to
Prime Mover - ST/WT/Float	110				8250.00]									
/Itnce Truck	0			0.00	0.00]									
SP Vibrating Roller	40	9.00		360.00	1600.00	I									
SP Multi Tyred Roller	20	9.00	40.00	180.00	800.00	1									
ractor Broom	0			0.00	0.00						Labour		Wages	\$ 26,070.00	7
Backhoe	0				0.00								Overhead		
Crew Cab	15			75.00	375.00	1					Materials		J. 5111040	\$ 22,000.00	
500	0			0.00	0.00	1					Plant Opera	tina Coete		\$ 46,875.00	
						1									
F. I. I. Div. J. O J.	0		0.00		0.00							TOTAL CO		\$ 121,015.00	
Total Plant Costs	715	1		11015.00	46875.00]					Plant Depre			\$ 11,015.00	
						-						TOTAL CO	OSTS	\$ 132,030.00	WITH DEPRE
			1	1		1									
	Labour	Overheads	Labor	Overheads	Total Labour										
abour Hours	Rate	Percentage	Cost (\$)	Cost (\$)	Cost (\$)										

	GL No:			•	Road Name	Truck-Carp	ark Hyden			Road No		Section	n from		km to				
Description of Work	Drainage,	Reconstruct	and seal							Location	of Gravel	Unknown		-	RCC				
Machine	CI	learing	Formin	g shoulders	Grav	elling	Water	Binding	Pr	rime Seal				Total					
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Machine Hours				
Grader					70	70	50	50							120				
andem Water Truck					50	50	50	50							100				
oader					70	70									70				
rime Mover - ST/WT/Float					70	70									70				
rime Mover - ST/WT/Float					70	70									70				
rime Mover - ST/WT/Float					70	70									70				
Itnce Truck					-										0				
P Vibe Roller															0				
self Propelled Multi Wheel					30	30	30	30							60				
ractor Broom	+			1	10	10	30	30	1	1					40				
ackhoe	+				10	10	30	30		1					0				
			-		20	20		-							20				
Crew Cab					20	20													
	+	1		!	-	!	ļ	1	ļ	-		 		1	0				
	+			-		-		+		+		!			0				
Supervision / Admin		ļ					ļ	1	ļ	1		ļ			0				
otal Labour Hours	0	4	0	1	460]	160	<u>J</u>	0	<u>)</u>	0	<u> </u>	0	4					
					•														
laterials	Size	Quantity	Rate/Cost					_											
00mm Stormpro Ribbed Pipe	300					Number of	13	3]	Annray Of	000m2:= ==	22								
iners and lids	900	2	1500	3000.00		Days Work				000m2 in ar									
nstallation/Labour and Plant		1	15000	15000.00				_	_	•	es area fro	m main enti	rance to inf	ormation bay he	ading in a				
ilabs				0.00					easterly d	lirection									
lire Possie	Days	10	350						Final desi	gn has not b	een compl	eted when s	submitting	costings.					
coat seal (10-5mm) Emulsion	m2									_			•	•					
rimer	1112	0000	0.0	0.00					Have acci	ımmed grav	el from Col	in Nichalls							
lot Bitumen	+			0.00					liave assu	aiiiiieu giav	er monii coi	III INICIIOIIS							
	_			0.00															
encing	+								No allowa	ance has bee	en made fo	r Toilets							
Contractors				0.00															
Gravel Costs	M3	2000		4000.00															
Gravel Royalties	M3	2000	1.5																
				0.00															
				0.00															
		Total (Costs	86000.00															
						-													
		Plant	Plant	Plant	Plant														
lachine a chine	Hours	Depreciation	Operation	Depreciation	Operation	I													
		Rates	Rates	Costs (\$)	Costs (\$)]													
Grader	120	18.00	75.00	2160.00	9000.00	1													
andem Water Truck	100					1					Ward			()				
oader	70				4200.00	1					Road Nam	ne		Truck-Carpark H					
rime Mover - ST/WT/Float	70				5250.00	1					Road Num			(•				
rime Mover - ST/WT/Float	70				5250.00	1					Section			0.00	•				
rime Mover - ST/WT/Float	70					1					OGGUION			0.00	, 10				
						1													
Mince Truck	0				0.00	4													
P Vibrating Roller	0																		
P Multi Tyred Roller	60				2400.00	4									7				
ractor Broom	40					1					Labour		Wages	\$ 20,460.00					
ackhoe	0				0.00]							Overheads	\$ 20,460.00					
rew Cab	20	5.00	25.00	100.00	500.00	I					Materials			\$ 86,000.00					
	0	0.00	0.00	0.00	0.00	1					Plant Oper	rating Costs		\$ 38,450.00					
	0	1			0.00							TOTAL CO	STS	\$ 165,370.00					
otal Plant Costs	620		0.50	8500.00		-1					Plant Deni	eciation Cos		\$ 8,500.00					
otal i lant 000to	320	1		0300.00	30-30.00	ı					i iaiii Depi	TOTAL CO			WITH DEPREC				
		1	1	1	ı	1						TOTAL CC	1313	φ 1/3,0/0.00	1 MILL DELKEC				
	Lobour	Overbands	Lobor	Overboods	Total Labour	1													

Cost (\$)

Percentage

620

Cost (\$)

100% 20460.00

Cost (\$)

Labour Hours

	GL No:				Road Name	Worland				Road No	54	Section	on from	1.6	6 km to
Description of Work	Gravel Sh	eeting		-							of Gravel		RCC		
														_	
Machine		learing		g shoulders	Grav			Binding		ime		eal		Reseal	Total
	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Labour	Machine	Machine Hours
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					40	40							1		0
SP Vibe Roller					40	40							1		40
Self Propelled Multi Wheel					20	20									20
Tractor Broom															0
Backhoe					20	20									0
Crew Cab					30	30							1		30
		1		-		-	-		1	1			-	+	0
Punandaian / Ad		1	1	 		1	 	1	 	 	1	-	 	+	0
Supervision / Admin			_	 	000	-	_	1	_	 	_	-	 	-	0
Total Labour Hours	C	4	0	4	800	1	0	1	0	4	0	1		<u>)</u>	
Motoriala	Cizo	Quantitu	Poto/Cost	Costs (ft)	1										
Materials	Size	Quantity	Rate/Cost 4000			Number of	10	٦ .							
Camping	1	1	4000				13		Will work	back from	4.66 to 1.66	;			
Cement		30	50	0.00		Days Work		J							
Guide Posts / Signs		30	50												
Slabs				0.00											
Wet Mix				0.00											
Metal				0.00											
Primer				0.00	4										
Hot Bitumen				0.00											
Fencing	_			0.00											
Contractors	MO	5500	0.5												
Gravel Costs	M3 M3	5500 5000	2.5												
Gravel Royalties	IVI3	5000	1.5												
	_			0.00											
		Total (Conto	26750.00											
		Total C	20818	20750.00	J										
		Plant	Plant	Plant	Plant	1									
Machine	Hours	Depreciation		Depreciation	Operation										
		Rates	Rates	Costs (\$)	Costs (\$)										
Grader	115					1									
Tandem Water Truck	100										Ward				0
Loader	110										Road Nam	e		Worland	
Prime Mover - ST/WT/Float	110		75.00		8250.00						Road Num			5	4
Prime Mover - ST/WT/Float	110		75.00								Section			1.6	
Prime Mover - ST/WT/Float	110														, -
Mtnce Truck	0														
SP Vibrating Roller	40														
SP Multi Tyred Roller	20														
Fractor Broom	0										Labour		Wages	\$ 26,400.00	
Backhoe	0												Overhead		
Crew Cab	30				750.00						Materials		J. 57110dd	\$ 26,750.00	
5.5 535	0				0.00							ating Costs		\$ 48,125.00	
	0				0.00						. iai ii Opei	TOTAL CO		\$ 127,675.00	
Total Plant Costs	745		0.00	11260.00		4					Plant Door	eciation Co		\$ 11,260.00	
Joian Fiant Costs	740	2		11200.00	40120.00	1					i iai ii Depi	TOTAL CO			
	1	1		1	1	7						TOTALCO	J313	\$ 138,935.00	WITH DEPREC
	Labour	Overheads	Labor	Overheads	Total Labour										
abour Hours	Rate	Percentage			Cost (\$)										
Labour Hours	Nate	reiceillage	Cost (\$)	Cost (\$)	COSt (\$)	4									