



Attachments

Ordinary Council Meeting

To be held on
Tuesday, 24 April 2018 at 5.00pm

2017/18 Budget Review

Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
	\$	\$	\$
Budget Adoption - Closing Funds (f)	21,804		21,804
<i>Variations between adopted budget closing and actual closing funds</i>		(70,083)	(48,279)
<i>Budget variations proposed:</i>			
<u>Rate Revenue (Schedule 3)</u>			
Increase income - Instalment interest charges to be higher than estimate	1,000		(47,279)
Increase income - Additional Rates generated through interim rating (related to prior year)	8,095		(39,184)
Increase expenditure - Rating concession provided are higher than budget estimate due to no budget provision allowed for the WILGA properties		(1,663)	(40,847)
Decrease income - interest from Investment will be less due to less available cash to invest		(25,000)	(65,847)
Increase expenditure - additional costs relating to the supply and installation of Rural Road numbers. Large rollout of numbers undertaken for areas not previously covered.		(4,224)	(70,071)
Increase expenditure - Postage and Stationery relating to the levying of rates		(2,000)	(72,071)
Increase expenditure - Prior year rates written off (relates to legal charges and penalty interest)		(2,320)	(74,391)
Increase expenditure - additional costs relating to Rating Services provided by IT Vision		(2,500)	(76,891)
Increase income - additional income received for pensioner deferred interest grant received from the State Government	160		(76,731)
<u>Administration General (Schedule 4)</u>			
Decrease expenditure - actual costs related to the conduct of the local government election by the WAEC were less than the budget estimate	4,869		(71,862)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase expenditure - actual costs for Refreshments and Entertainment will increase due to Council's change in format for meals after the Council meeting		(3,000)	(74,862)
Increase expenditure - increase in expenditure for the event for new and outgoing Elected members		(288)	(75,150)
Increase income - One Councillor nomination deposit was forfeited	80		(75,070)
Decrease expenditure - Workers Compensation insurance premium was less than the budget estimate	6,932		(68,138)
Decrease expenditure - Contract staff wages budget provision unlikely to be utilised	5,000		(63,138)
Increase income - reimbursements received from other Shires for shared staff training costs	7,481		(55,657)
Increase income - Insurance Rebate received for a Good Driver Rebate	6,587		(49,070)
Increase expenditure - recommend purchase and implementation of new IT Vision software to manage leave approvals online (significant improvement in work flow and leave planning)		(8,500)	(57,570)
Increase expenditure - Council Chambers upgrade, project will exceed budget by \$25k		(25,000)	(82,570)
Increase income - Recommend transfer additional \$25K from Building Reserve to fund additional expenditure required on the Old Church / Council Chambers project	25,000		(57,570)
Decrease expenditure - Replacement of Phone System deferred - may relocate Tuia Lodge PABX to Shire Office and replace Tuia Phone system	35,500		(22,070)
Decrease income - Transfer from Reserve for Shire Office Phone system not required		(35,500)	(57,570)
<i>Other Governance (Schedule 4)</i>			
Increase expenditure - funding required to complete service level and efficiency reviews		(10,000)	(67,570)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase expenditure - Additional expenditure incurred in relation to IPRF\$13,034 (work undertaken in late 16/17), Valuation costs for Fair Value Reporting \$1180, Complaint Investigations \$3,665. General savings of \$2,779 are also anticipated.		(15,100)	(82,670)
Increase expenditure - funding required to complete service level and efficiency reviews		(10,000)	(67,570)
<i>Fire Prevention (Schedule 5)</i>			
Decrease expenditure - Full budget provision for bushfire mitigation works will not be utilised as separate funding obtained for Mitigation works (i.e. \$169,250)	4,675		(77,995)
Increase expenditure - Bushfire mitigation Funding provided by DFES		(169,250)	(247,245)
Increase income - Bushfire Mitigation Funding provided by DFES	169,250		(77,995)
Increase expenditure - Reciprocal transfer relating to the changeover of Brigade units under the LGGS Capital Grants Scheme (Contra Entry)		(202,319)	(280,314)
Increase income - Reciprocal transfer relating to the changeover of Brigade units under the LGGS Capital Grants Scheme (Contra Entry)	202,319		(77,995)
Increase income - Additional LGGS Exp from 16/17 year recouped from DFES	70,044		(7,951)
Increase expenditure - Power connection costs at Mumballup BFB were less than amount committed		(2,800)	(10,751)
Increase income - Transfer from Reserve for Mumballup BFB to be increased as a result of savings on power connection costs	2,800		(7,951)
Decrease income - Income from Dog Registration Fees is expected to be less than budget estimate		(2,000)	(9,951)
Increase Income - Additional Fines and Penalties income in relation to Animal Control	1,000		(8,951)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase Income - minor income relating to Animal Control	600		(8,351)
Decrease income - Income relating to Dog Impounding Fees is expected to be less than budget estimate		(500)	(8,851)
Decrease income - Income relating to Cat Registration Fees is expected to be less than budget estimate		(500)	(9,351)
Increase expenditure - Dog Pound construction costs over budget due to the need to effect repairs to the effluent disposal system		(2,604)	(11,955)
<u>Other Law, Order, Public Safety (Sch 5)</u>			
Decrease expenditure - CESM appointment undertaken after the new year therefore full budget provision for 17/18 will not be utilised	18,660		6,705
Decrease expenditure - Full budget provision for maintenance on CCTV network unlikely to be utilised in 17/18	5,000		11,705
<u>Health Inspection and Administration</u>			
Decrease expenditure - full budget provision for Conferences and Training will not be utilised	2,000		13,705
<u>Other Health (Schedule 7)</u>			
Decrease expenditures - Medical & Dental Centre Rates are now charged direct and not processed via General Debtors	8,211		21,916
Decrease income - Medical Centre Outgoings Income reduced as Shire Rates are now invoiced directly		(8,211)	13,705
Increase expenditure - Costs relating to Duress Alarm covered by Insurance (except \$1K excess)		(4,912)	8,793
Increase income - Insurance Claim recoup relating to Medical Centre Duress Alarm	3,912		12,705
Decrease expenditure - Dental Surgery Rates are now charged direct and not processed through the Dental Surgery outgoings calculations	5,302		18,007

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Decrease income - Dental Surgery Outgoings Income reduced as Shire Rates are now invoiced directly		(5,302)	12,705
Increase expenditure - Medical Centre additional costs anticipated for Auto Doors		(5,000)	7,705
Decrease expenditure - Actual cost of Dental Surgery Air Conditioner was less than budget estimate	1,815		9,520
Increase income - transfer from Building Reserve to be increased to reflect additional cost of Auto Doors and savings on replacement of Dental Surgery Air Conditioner	3,185		12,705
<i>Other Welfare (Schedule 8)</i>			
<i>Tuia Lodge</i>			
Decrease expenditure - Salaries are estimated to less than budget estimate due to use of agency staff and careful rostering	156,142		168,847
Decrease expenditure - Superannuation costs will be less than estimate (based on salaries)	21,882		190,729
Increase expenditure - estimated increase in overall operating costs above budget estimate (includes Agency staffing)		(56,072)	134,657
Decrease income - Income from the Basic Daily Care fee is expected to be less than budget estimate		(50,780)	83,877
Increase income - various reimbursements e.g. Uniforms etc.	1,930		85,807
Decrease income - Income estimate for Daily Accommodation Fees was overstated in the budget estimates. Income reflects the mix of residents that pay a Full Refundable Accommodation Deposit versus those that don't, as income is based on an interest charge for RAD's not paid.		(500,000)	(414,193)
Increase income - Income from Means Tested Fee charges on residents will exceed the budget estimate	35,723		(378,470)
Increase income - Income from Respite Fee services charged to residents will exceed the budget estimate	28,000		(350,470)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase income - Income received from the Investment of Tuia Lodge Refundable Accommodation Deposits.	80,000		(270,470)
Increase expenditure - Tuia Lodge existing building, new wardrobes		(3,473)	(273,943)
Decrease expenditure - Tuia Lodge, decrease general provision for Furniture & Equipment	3,473		(270,470)
Increase expenditure - Additional provision for the replacement of Motor Vehicles at Tuia Lodge		(15,000)	(285,470)
Decrease expenditure - reduce proposed transfer to Aged Housing Reserve being surplus from Tuia Lodge Operations (excluding Depreciation costs)	188,175		(97,295)
<u>Preston Village</u>			
Increase expenditure - lease preparation costs and valuation expenses relating to the re-lease of units (offset by reimbursements)		(1,410)	(98,705)
Increase income - reimbursement of Valuation cost for a Preston Village unit	660		(98,045)
Increase income - administration fees recouped for the preparation of a lease for Preston Village	750		(97,295)
Increase income - additional income to be received for the hire of the Preston Village Community building	1,000		(96,295)
Increase income - Amenities Fees and Reserve contributions realised from the re-lease of a unit at Preston Retirement Village	72,798		(23,497)
Increase expenditure - transfer Amenities Fees and Reserve contributions received from Preston Village to Aged Housing Reserve		(72,798)	(96,295)
Decrease income - Reduce the transfer from Building Reserve which was to offset a shortfall in capital expenses for Preston Village		(29,150)	(125,445)
<u>Other Aged Housing</u>			
Increase expenditure - estimated consultancy costs associated with the		(10,000)	(135,445)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Aged Care Due Diligence review and the review of the Preston Village lease scheme			
Increase income - increase transfer from the Aged Housing Reserve to fund increased costs for the Aged Care Due Diligence Review and review of Preston Village lease scheme	10,000		(125,445)
Increase expenditure - Affordable Housing Project, cost to update and re-work funding submission to SWDC		(4,500)	(129,945)
Decrease income - contribution from Alliance Housing for the Affordable Housing project will not be received this final year as grant funding not yet approved		(875,000)	(1,004,945)
Decrease expenditure - Delete transfer to Reserve representing the contribution to be made to the Affordable Housing project by Alliance Housing	875,000		(129,945)
Decrease expenditure - Site works associated with the Affordable Housing project will not commence in 17/18.	250,000		120,055
Decrease income - transfer from the Land Development Reserve to fund the siteworks for the Affordable Housing project will not be required in 17/18		(250,000)	(129,945)
Increase expenditure - Land disposal costs, Spencer Street Balingup		(1,000)	(130,945)
<u>Other Education (Schedule 8)</u>			
Increase expenditure - a new ceiling was required to be installed in the Kitchen of the Community Resource Centre (Telecentre)		(2,000)	(132,945)
			(132,945)
<u>Community and Youth Development (Schedule 8)</u>			(132,945)
Decrease income - contributions towards After-School programs will not be received as no programs are anticipated		(2,000)	(134,945)
Increase income - Community contributions, Seniors Week	355		(134,590)
Decrease expenditure - reduce budget provision to reflect no after school programs	2,000		(132,590)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
<u>Sanitation - Household Refuse (Sch 10)</u>			
Decrease expenditure - No works needed to implement recommendations from Environmental Improvement Plan for the Donnybrook Refuse Site	5,892		(126,698)
Increase expenditure - additional cost to remove wet waste from Tuia Lodge due to an increase in the number of bins and volume removed		(4,364)	(131,062)
Increase income - increase in income due to an increase in the number of bin services provided to residents for domestic waste (new properties etc.)	3,534		(127,528)
Increase income - Additional income from Waste Management Levy due to increase in rateable assessments	5,320		(122,208)
Increase income - increase in income due to an increase in the number of bin services provided to residents for Recycling (new properties etc.)	1,052		(121,156)
<u>Town Planning (Schedule 10)</u>			
Decrease expenditure - legal expenses for Town Planning related matters are expected to be less than the budget estimate	4,000		(117,156)
Decrease expenditure - no Town Planning recruitment expenses are anticipated for the year	4,200		(112,956)
Decrease income - no Town Planning rezoning applications are expected to be received in the current year		(2,750)	(115,706)
Increase income - additional income to be received from Development Applications due to large residential dwelling application	27,000		(88,706)
Decrease income - No recovered costs are anticipated for Town Planning Rezoning Applications		(7,000)	(95,706)
<u>Other Community Amenities (Schedule 10)</u>			
Increase expenditure - expenditure on public conveniences will exceed budget estimates due to additional cleaning requests and purchase of resources		(11,000)	(106,706)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase expenditure - additional expenditure will be incurred in servicing the Balingup Village Green toilets		(1,452)	(108,158)
Decrease income - Reduced income anticipated for burials at the Upper Preston Cemetery		(1,000)	(109,158)
Decrease income - Reduced income anticipated for burials at the Donnybrook Cemetery		(6,000)	(115,158)
Decrease income - Reduced income anticipated for burials at the Balingup Cemetery		(1,000)	(116,158)
Decrease income - Transfer from Reserve for internal partitioning of public conveniences not required as item removed from the original budget		(4,000)	(120,158)
<u>Halls (Schedule 11)</u>			
Decrease expenditure - Balingup Hall maintenance works will be done with State Govt. funding	6,000		(114,158)
Decrease income - Reserve Transfer for Balingup Hall repointing now not required		(6,000)	(120,158)
Decrease income - Hall Hire income for the Donnybrook Hall is expected to be less than the budget estimate		(2,500)	(122,658)
Decrease income - Hall Hire income for the Balingup Hall is expected to be less than the budget estimate		(500)	(123,158)
Decrease income - Grant received for development of Hall Conservation Plan was less than the budget estimate		(8,280)	(131,438)
Decrease expenditure - painting and other materials for the Noggerup Hall was less than the budget estimate.	4,560		(126,878)
<u>Other Recreation & Sport (Schedule 11)</u>			
Increase expenditure - maintenance requirements for Parks & Reserves General will be higher than budget estimate due to additional maintenance requests		(9,800)	(136,678)
Increase expenditure - Budget not made for maintenance of verges within the Donnybrook Townsite. This was		(45,000)	(181,678)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
previously included in General Parks and Reserves maintenance but a new account was established to better track costs, unfortunately no budget allocation was made against this new account.			
Increase expenditure - cost of providing TAFE training to Horticultural Apprentice		(3,000)	(184,678)
Decrease expenditure - Top Dressing of Mitchell Park under budget estimate	5,000		(179,678)
Increase expenditure - Budget not made for maintenance of verges within the Balingup Townsite. This was previously included in Balingup General Parks and Reserves maintenance but a new account was established to better track costs, unfortunately no budget allocation was made against this new account.		(20,000)	(199,678)
Increase expenditure - Budget not made for maintenance of verges within the Kirup Townsite.		(5,000)	(204,678)
Increase expenditure - Noggerup Park additional maintenance requests, and slashing		(8,964)	(213,642)
<u>Donnybrook Recreation Centre (Sch 11)</u>			
Decrease expenditure - Operational costs will be less than the budget estimate due to the pool closure and reduced patronage	22,191		(191,451)
Decrease expenditure - Superannuation costs will be less than the budget estimate due to lower overall salary expenses	3,203		(188,248)
Decrease expenditure - Salaries Rec Staff savings during Nov / Dec when Manager position vacant	28,401		(159,847)
Decrease income - Overall income from the Donnybrook Recreation Centre will be less than the budget estimate due to lower memberships and lower kiosk income		(21,440)	(181,287)
Increase income - grant received for Seniors Activation' program	3,000		(178,287)
Decrease expenditure - Installation of additional solar panels funded from the Stadium and Pool Upgrade project. Separate budget allocation therefore not required	9,960		(168,327)

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase expenditure - Budget adjustment of \$75K was approved in the previous financial year to fund the upgrade of the roof over the Rec Centre Stadium and Pool. This budget amendment was not carried forward into the 2017/18 budget in error. Additional expenditure to be funded from the Building Reserve if required.		(75,000)	(243,327)
Increase income - Additional expenditure on Recreation Centre roof upgrade to be funded from the Building Reserve	75,000		(168,327)
Increase expenditure - additional budget provision required for the Pool Blanket (to be funded from Reserve as Grant funds no longer available)		(10,000)	(178,327)
Increase income - Transfer from Building Reserve to fund the Pool Blanket	40,000		(138,327)
Decrease income -Pool Revitalisation Grant – \$30,000 - Program scrapped by new State Government therefore grant will not be received in 17/18.		(30,000)	(168,327)
<u>Other Recreation and Sport (Schedule 11)</u>			
Increase income - collections from the Money Spinner at Apple Funpark (will be transferred to Apple Funpark Reserve)	3,000		(165,327)
Decrease expenditure - Exhaust extraction system for Balingup Recreation Centre was installed at less cost than the budget estimate	2,299		(163,028)
<u>Libraries (Schedule 11)</u>			
Increase expenditure - no budget provision was made for maintenance of the carpark at the Donnybrook Community Library		(2,000)	(165,028)
Decrease income - An library employee did not take LSL therefore a Reserve Transfer to fund the LSL payment is no longer required		(8,750)	(173,778)
<u>Const. Sts,Rds, Bridges, Depots (Sch 12)</u>			
Decrease expenditure - Trevena Rd Bridge Project to be carried over to 18/19 budget	1,480,000		1,306,222

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Increase expenditure - Upper Capel Road, additional expenditure required to match RRG funding (c/over from 16/17)		(1,050)	1,305,172
Decrease expenditure - Victory Lane Project, only crossover works to be done this year and project will carry over to 18/19 budget	50,000		1,355,172
Decrease expenditure - Montgomery Rd Project unlikely to proceed as required contribution from ratepayer not received.	30,000		1,385,172
Decrease expenditure - Thomson Rd gravel resheeting - project completed under budget	4,253		1,389,425
Decrease expenditure - Brookhampton Rd Note \$30,000 of Shire contribution to be transferred to Sandhills Road Project C1729	30,000		1,419,425
Increase expenditure - Sandhills Rd Shire contribution transferred from C1728		(30,000)	1,389,425
Decrease expenditure - Brookhampton Rd Note \$60,000 of RRG contribution to be transferred to Sandhills Road Project C1718. Has been approved by RRG	60,000		1,449,425
Increase expenditure - Sandhills Rd contribution transferred from C1717		(60,000)	1,389,425
Increase expenditure - additional expenditure required on Upper Capel Road required to match funding from RRG (relates to prior year)		(2,101)	1,387,324
Decrease expenditure - Trevena Rd Bridge Approaches, full budget allocation will not be utilised, carry over remainder of project to 18/19 budget.	130,000		1,517,324
Increase expenditure - additional expenditure required to complete Knights Rd gravel resheeting		(1,356)	1,515,968
Decrease expenditure - Vernon Rd gravel resheeting - project completed under budget	1,856		1,517,824
Increase expenditure - Trevena Rd Gravel resheeting additional costs required to complete project		(9,393)	1,508,431
Decrease income - Special Projects Trevena Rd Bridge deferred to 18/19		(1,480,000)	28,431

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Decrease income -Roads to Recovery Federal Grant Funding, to match project timing		(111,714)	(83,283)
Decrease income - Contribution to Works for Montgomery Road unlikely to be received		(15,000)	(98,283)
<i>Mtce Sts,Rds, Bridges,Depots (Sch 12)</i>			
Decrease Expenditure - Pedestrian and Traffic Study at the northern end of town, priority for this project has significantly reduced.	25,000		(73,283)
Increase expenditure - Urban Rds Sealed additional pruning and spraying costs with late season rains		(25,800)	(99,083)
Increase Expenditure -Balingup Depot Maintenance, additional maintenance required to meet OSH requirements		(1,500)	(100,583)
Decrease Expenditure - Engineering Recruitment Expenses are expected to be less than the budget estimate	2,000		(98,583)
<i>Private Works (Schedule 12)</i>			
Decrease expenditure - No Private works are expected to be carried out in 2017/18	5,000		(93,583)
Decrease income - No income expected from Private works carried out by Shire staff		(6,000)	(99,583)
Decrease income - no external Plant Hire of Shire equipment anticipated		(100)	(99,683)
<i>Other Economic Services (Schedule 13)</i>			
Increase income - Swimming Pool Inspection Fees	111		(99,572)
Increase income - Extractive Industry Licences	2,743		(96,829)
Increase income - RAC Charging Station	200		(96,629)
Decrease expenditure - No transfer to Trust Public Open Space will occur as no land sales of Mead Street land are anticipated	434,993		338,364
Decrease expenditure - Tfr to Land Development Reserve will not occur as no sales of Mead Street land are anticipated	134,036		472,400

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Description	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
Decrease income - No sales of land at Mead Street are anticipated in the 17/18 year		(562,390)	(89,990)
Increase expenditure - Advertising & Other expenses		(260)	(90,250)
Decrease expenditure - Drainage Fencing Mead Street	2,000		(88,250)
<u>Public Works Overheads (Schedule 14)</u>			
Increase expenditure - PWO Conference & Training		(1,256)	(89,506)
Increase income - Reimbursements staff training	1,256		(88,250)
<u>Funds Transfers (Schedule 15)</u>			
Increase expenditure - Transfer to Apple Funpark Reserve, collections from Money Spinner		(3,000)	(91,250)
Decrease transfer to Building Reserve - to bring budget to balance	41,250		(50,000)
Decrease transfer to Building Maintenance Reserve - to bring budget to balance	50,000		0
Amended Closing Funds as per Council Resolution	5,094,075	(5,094,075)	0

Policy 4.4



Engineering Policy

4.4 Bitumenising Roads on a Joint Basis with Adjoining Land Owners

Objective

To allow Council's consideration of un-budgeted road sealing to solve dust and public health problems due to unsealed roads, with the adjacent land owner contributing towards the solution.

Policy

1. That depending on the availability of finance in any particular year, Council will contribute 50% of the cost of constructing, priming and subsequent sealing of appropriate lengths of previous un-sealed roads adjacent to the residence or other buildings of a landowner, if that landowner is also prepared to contribute 50% of the cost of that work, and if the road involved is not part of any proposed subdivision or development application.

A similar 50/50 cost splitting will also apply to sealing of roads not related to a landowners residence or other buildings, where Council's asset is improved by such sealing.

If the landowner concerned is not prepared to contribute 50% of the cost, the request work will then only be considered along with other priorities in Council's Annual Works Programme.

Requests for sealing roads on a shared cost basis are to be referred to Council, and if approved, will be placed on record and funded in order of application, if and when this is economically efficient, or when finances are available.

2. The total payment of the Council computed contribution towards road upgrading shall be received before any work commences on site.
3. Council, at its discretion, may allow the landowner to pay the full amount up front and agree to refund 50% of the cost in the next budget, should the landowner wish to have the work carried out.

Adopted:	1 January 1993
Last Amended:	26 May 2010
Last Reviewed:	28 April 2016
Next Review Date:	2017
Responsible Department:	Works & Services

Forward Choice Investments

Bangadang Farm Project

Dawson Road

Proposed Bitumen Sealing

April 2018

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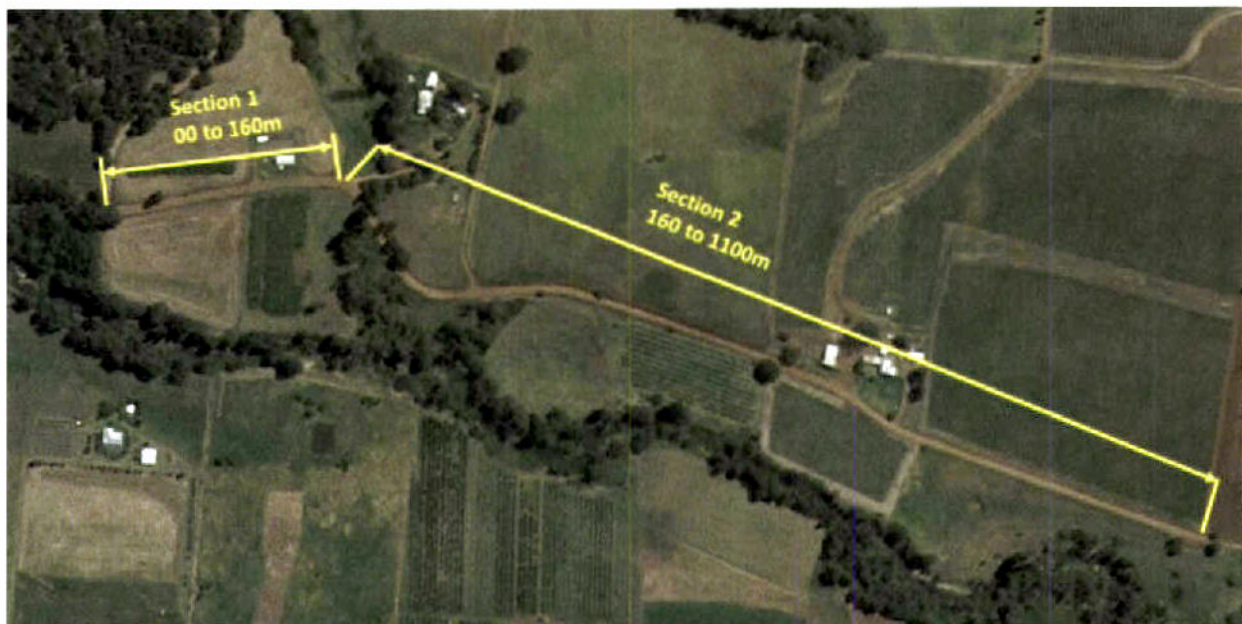
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Revisions

Revision	Description	Date	By
A	Issued to Client / Shire of Donnybrook Balingup - Draft	9 th April 2018	BH
B	Issued to Client / Shire of Donnybrook Balingup - REVISED	10 th April 2018	BH

1. Introduction

Forward Choice Investments are seeking the Shire of Donnybrook Balingup's approval to bitumen seal approximately 1.1km of Dawson Road. The section in this application is from Bremer Lane to the gate of Bangadang Farm property. The road has been broken into 2 sections because of different seal widths.



2. Existing Road Details

Dawson Road starts at the intersection of Beelerup Road and is sealed to approximately 6.0m wide until Bremer Lane, then unsealed at 6.0m wide for approximately 160m. The road narrows to 5.0m wide due to the topography and continues to the gate of the Bangadang property at 5.0m wide.

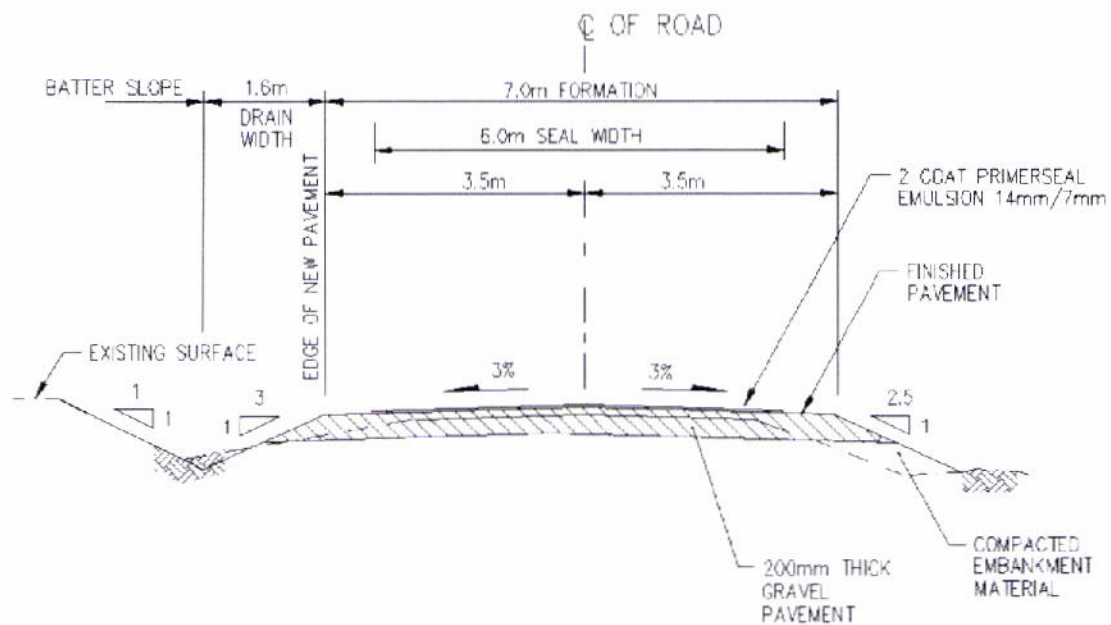
Dawson Road has a number of small culverts, and one 600dia RCP. Below is a typical cross section for the section of Dawson Road in this report.



3. Proposed Road Details

Section 1 – 00 to 160m

It is proposed to reshape the existing gravel surface and “top up” to a maximum compacted pavement depth of 200mm. The road will be seal from Bremer Lane for 160m to provide a final surface of 7.0m gravel formation, and primersealed to 6.0m wide.



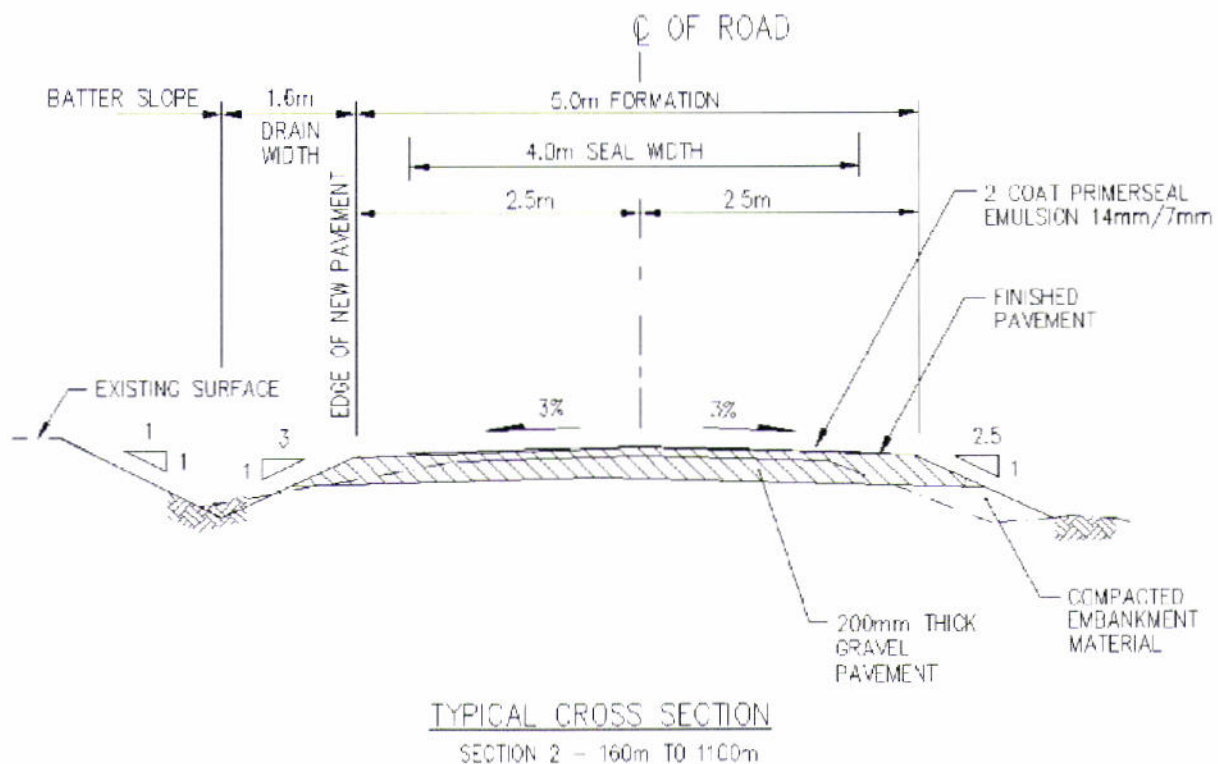
TYPICAL CROSS SECTION
SECTION 1 – 00m TO 160m

The road surface will be ripped to 100mm depth, then watered. Approximately 100mm of gravel will be added to give a total depth of 200mm of compacted road pavement, the ripping and watering of the existing surface is to ensure there is no lamination between the existing gravel and new gravel.

This section of road will be primersealed with a 2 coat emulsion seal. At this stage it is recommended as a 14mm and 7mm aggregate.

Section 2 – 160 to 1100m

It is proposed to reshape the existing gravel surface and “top up” to a maximum compacted pavement depth of 200mm. The road will be seal from the 160m section to the end of the road at the Bangadang farm gate, being approximately 960m to provide a final surface of 5.0m gravel formation, and seal to 4.0m wide.



This section of road will also be primersealed with a 2 coat emulsion seal as per Section 1.

4. General Standards

General gravel standards shall be:

GRAVEL BASECOURSE

1. Gravel Basecourse material shall consist of durable pebble in soil mortar. The material shall be free from particles having any dimension greater than 50mm and free from clods, stumps, roots, sticks, vegetable matter or other deleterious materials.

2. When the stockpiled material contains oversized material, the Contractor shall screen the stockpiles to ensure that the pavement material does not contain more than 20% by mass of material retained on a 37.5mm sieve.
3. The screen aperture shall be selected so that only the minimum quantity of material is removed from the existing stockpile to satisfy this requirement.
4. Basecourse material having any dimension greater than 50mm shall be deemed oversized and shall not be delivered to the pavement construction area.
5. The Particle Size Distribution shall be determined in accordance with Test Method WA 115.1. The particle size distribution of the portion passing a 37.5mm AS sieve shall conform to the grading limits shown in Table below. The grading of material passing the 37.5mm sieve shall vary from coarse to fine in a uniform and consistent manner. The material shall not be gap graded as represented by the grading crossing from the maximum limit for one sieve size to the minimum limit for another sieve size, and shall conform as closely as possible to the specified target grading.
6. The material shall also comply with the limits shown in Table below. The Secondary Mineral Content in Basic Igneous Rock test is only applicable to basic igneous rock. The Accelerated Soundness Index test is only applicable to basic igneous rock.

PARTICLE SIZE DISTRIBUTION (GRAVEL BASECOURSE)

As Sieve Size (mm)	% Passing by Mass Target Grading	% Passing by Mass Minimum and Maximum Limits
37.5	100	100
19.0	86	72 - 100
9.5	64	50 - 78
4.75	47	36 - 58
2.36	35	25 - 44
1.18	27	18 - 35
0.600	21	13 - 28
0.425	18	11 - 25
0.300	16	9 - 22
0.150	12	6 - 17
0.075	9	4 - 13
0.0135	6	2 - 9

OTHER ACCEPTANCE LIMITS (GRAVEL BASECOURSE)

Test	Limits	Test Method
Liquid Limit	25.0% Maximum	WA 120.2
Linear Shrinkage	2.0% Maximum	WA 123.1
Maximum Dry Compressive Strength	2.3MPa Minimum	WA140.1
California Bearing Ratio (Soaked 4 days with 4.5kg Surcharge) at 96% of MDD and 100% of OMC	80% Minimum	WA 141.1
Secondary Mineral Content in Basic Igneous Rock	25% Maximum	AS 1141.26
Accelerated Soundness Index by Reflux	94% Minimum	AS 1141.29

COMPACTION VALUES

Pavement Layer	Minimum Characteristic Dry Density Ratio % (Rc)
Drainage Layer	94%
All Sub-Base	94%
Cement Stabilised Basecourse	96%
Lime Stabilised Basecourse	96%
Bitumen Stabilised Limestone Basecourse	98%
Crushed Rock Base Basecourse	99%
Hydrated Cement Treated Crushed Rock Base Basecourse	99%
Other Basecourse Materials (final surfacing – sprayed seal)	96%
Other Basecourse Materials (final surfacing – asphalt)	98%

FINISHED SURFACE

Completed Pavement Layers (except for Sub-Base under Full Depth Asphalt) shall be in a homogeneous, uniformly bonded condition with no evidence of layering, cracking, disintegration or surface tearing. The finished surface should appear as a stone mosaic interlocked with fine material and shall be dense, even textured and tightly bonded. The Basecourse must retain those characteristics after rotary brooming and be suitable to receive bituminous surfacing. Prior to the application of a bituminous surfacing the surface of the Basecourse shall be uniformly dry.

5. Hold Points

The proposed hold point for Shire inspection shall be:

1. Subgrade completion prior to laying addition gravel.
2. After supply and spread of gravel material before final compaction for Shire inspection
3. Final compaction of gravel material, ready to seal.
4. Installation of any culvert, or extensions of culvert, trench before backfill.

6. Cost and Contribution

The cost of the reshaping and sealing 1100m of Dawson Road is estimated:

Component	Quality	Rate	Cost
Reshape and top-up gravel	5,820m ² (1120+4700)	\$ 4.50	\$ 26,190.00
Primerseal	4,720m ² (960+3760)	\$ 2.85	\$ 13,452.00
Guideposts and Signs	60	\$ 12.50	\$ 750.00
Contingency	10%		\$ 4,000.00
TOTAL			\$44,392.00

The proposed sealing works will considerably:

- Reduce the road grading and maintenance
- Improve the safety of road users
- Preserve a Shire infrastructure asset.

It was discussed on site with the applicant that Forward Choice Investments will be responsible for the full cost of the works outlined in this report. However general reference was made to Council's Engineering Policy 4.4 - Bituminising Roads on a Joint Basis with Adjoining Land Owners,



Figure 2 – Site Plan

The proposed amendment seeks to reflect Option B of the Shire's endorsed Structure Plan for Lot 108 Kelly Road, Donnybrook by introducing a lifestyle village development in the northern portion of the subject site. Figure 3 contains a copy of the Structure Plan Map identifying the location of the Lifestyle Village land.

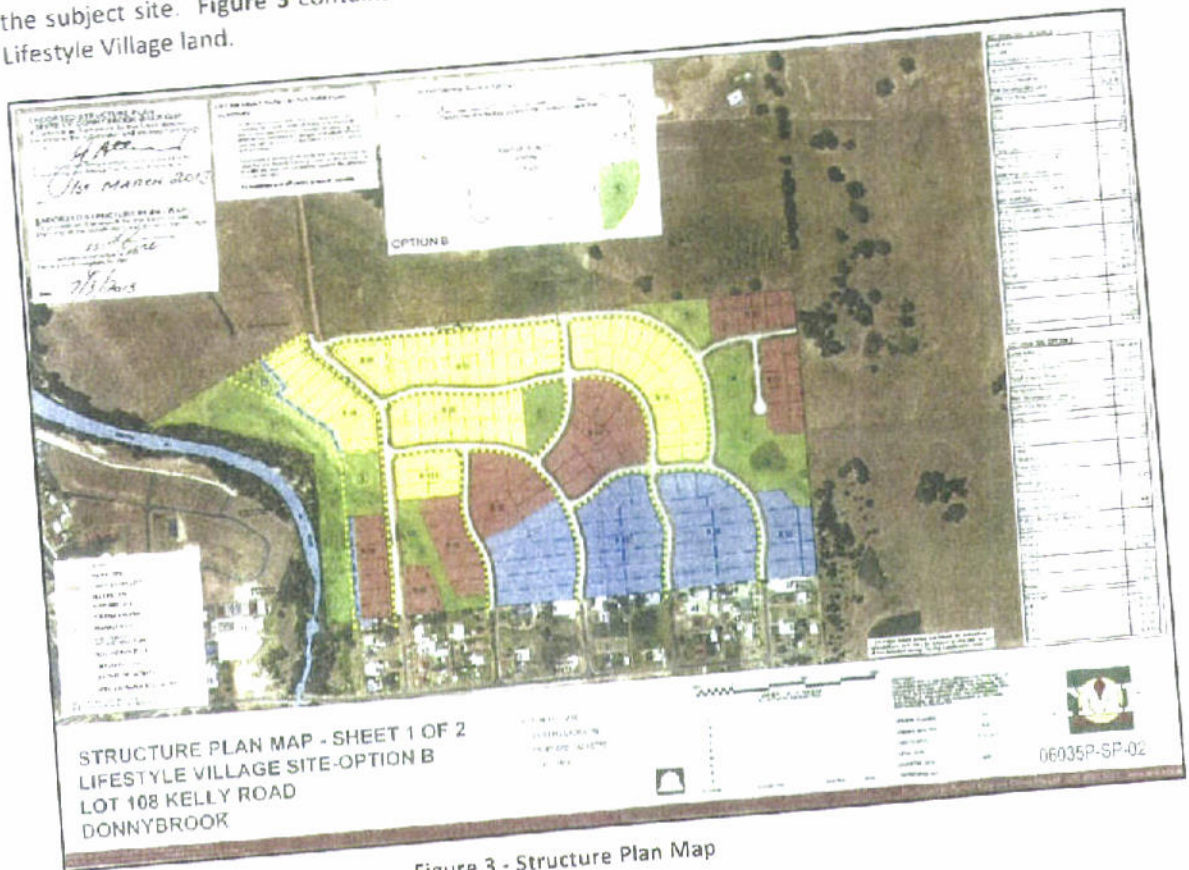


Figure 3 - Structure Plan Map



120 PARK HOME SITES

PRELIMINARY MASTERPLAN	
Project number	AX
Date	17.12.07
Drawn by	RHA
Checked by	RHA
Scale (1/1)	1:1000

DONNYBROOK LIFESTYLE VILLAGE
 LOT 9504 (No. 80) KELLY RD,
 DONNYBROOK

No.	Description	Date

RICHARD HAMMOND ARCHITECT
 16342 SOUTH TERRACE, SOUTH FREMANTLE
 0438 918 753 | RICHARD@RHARCHITECTS.COM.AU

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Property Map Enquiry - A1739 6 HEARLE RD GLEN MERVYN 6239 - Last record modified was LAS5303 X Records Registration - Last record modified was 04011 X Records Registration X Purchase Orders - 772873 X

Property | Summary | Ownership | Parcels | Memos

Click List | F. Info | 6/04/2018 12:21 PM

Legend

- Locality
- Lot Number
- Assessment Number
- House Number
- Property Address
- Localities
- Zoning
- ESG Code
- Area

Assessment No: A1739
 Address: 6 HEARLE RD
 GLEN MERVYN 6239
 House No: 6
 Street: HEARLE
 Type: RD
 Suburb: GLEN MERVYN
 Area: DONKERBROOK/BALING
 Locality: GLEN MERVYN
 Zoning: R1
 Land Use: R1
 Regional: R1
 ESG Number: 075915
 Price No:
 Valuation Date:
 Unimproved Value: 90000.00
 Gross Trade Value: 0.00

Assess No: A3001 ES: MUNGALIP RD
 APPROX DEPARTMENT OF BIODIVERSITY, CONSERVATION AND ATTRACTIONS

subject site

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Access No
Lot no
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 Assessment Number
 House Number
 Property Address
 Localities
 Zoning
 Top Court
 Area

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5/04/2018

Subject sites

Search

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subject sites

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Search

- Address No
- Lot No
- House No
- Street
- Suburb
- State
- Postcode
- Local Council
- UTM Zone
- Perimeter
- Area
- Volume
- Zone
- Location
- City or Suburb
- Location
- Neighbourhood
- Postcode
- Local Council
- UTM Zone



10.4.2 (37)

subject sites

Legend

- System
- Lot Number
- Assessment Number
- House Number
- Postal Address
- Location
- Zone
- Area