

Shire of Wiluna

MINUTES



Ordinary Meeting of Council

Held

Wednesday 22nd May 2019

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APPENDICES

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AGENDA**1. Declaration of Opening and Announcement of Visitors**

The Chairperson declared the meeting open at 9.16am and welcomed Councillors and staff.

2. Public Question Time**a) Responses to Previous Public Questions taken on Notice**

Nil

b) New Questions

Nil

3. Record of Attendance

Cr Jim Quadrio	President
Cr Stacey Petterson	Deputy President (Arrived at 9.35am)
Cr Peter Grundy	
Cr Caroline Thomas	
Cr Norma Ward	

In Attendance:

Colin Bastow	Chief Executive Officer
Warren Olsen	Deputy Chief Executive Officer
Angela Hoy	Executive Manager Technical Services
Julie Greatbatch	Administration Assistant

a) Apologies and Leave of Absence Previously Approved

Cr Graham Harris

Cr Lena Long

Katrina Boylan

Executive Assistant

b) Applications for Leave of Absence

Nil

c) Notations of Interest:**i. Financial Interest Local Government Act Section 5.60A**

Nil

ii. Proximity Interest Local Government Act Section 5.60B

Nil

iii. Interest Affecting Impartiality Shire of Wiluna Code of Conduct

Nil

4. Petitions and Deputations**5. Confirmation of Minutes of the Previous Meeting**

- 5.1 That the Minutes of the Ordinary Meeting held on 8 May 2019 be accepted as a true record of the meeting.

Council Decision**Item 5.1****MOVED CR WARD****SECONDED CR GRUNDY**

That the Minutes of the Ordinary Meeting held on 8 May 2019 be accepted as a true record of the meeting

CARRIED 4/0**Resolution 063/19****6. Status Report**

Nil

7. Announcements by the person presiding without discussion

The Shire President on behalf of the community expressed his thanks to the Minister for Regional Development, Agriculture and Food, the Department of Transport and the Department for Regional Development on the good news that \$1M will be spent on the Meekatharra – Wiluna section of the Goldfields Highway.

8. Matters for which meeting may be closed

12.1.1. RFT 2018-07 Wotton Main Street Revitalisation Project (withdrawn)

12.2.1. RFT 2019-01 Insurance

9. Reports of Officers and Committees

9.1. Executive Manager Technical Services

9.1.1. Aerodrome Runway Condition Report

Reporting Officer:	Angela Hoy Executive Manager Technical Services
Date of Report:	14 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

The purpose of this report is to endorse the Geotechnical pavement report inspection completed by Golder and Associates (Appendix 9.1.1.) so that the Regional Airport Development Scheme (RADS) project funding for the Geotechnical report can be acquitted, and to endorse the recommendations on the report from Golder and Associates to support the 19-20 Remote Airstrip Upgrade Programme (RAUP) current project funding grant agreement.

Background

At the ordinary council meeting dated the 2nd May 2018 as a result of the report tabled by Warren Olsen (DCEO) council approved that:

“The CEO be authorised to engage engineers with experience in airports and aviation as soon as possible to review the state of the main runway and provide advice on its protection, repair, and/or replacement.”

As a consequence of this resolution Airport Management Services (AMS) were issued a purchase order to investigate the condition of the Sealed runway, and to determine the cause of damage to the seal. This report was received and noted in the July 2018 Council Forum. The PCN rating of 16 was determined by AMS was based on a physical inspection and re-evaluation of the original WML report (PCN 20) received in 2017.

Consequently, due to the differing Pavement Classification Number (PCN) from the AMS report and the original WML report the Shire determined to not allow the BAE146 to land on the runway due to the damage that the BAE146 were perceived to be causing to the runway. This resulted in a lower income of landing fees, and concerns from the Department of Transport (DoT) were raised that the airport operations were not sustainable and would have an effect on the Regular Passenger Transport (RPT) Service. DoT asked the shire to agree to a desktop audit on the assessment management of the airport as well as agreeing to fund another geotechnical report to determine with extensive runway core sampling to determine a more accurate PCN rating. The funding agreement was for \$ 30,000 (50% funded by the state, and 50% by the Shire. This Report has now been received and is presented as an attachment to this report.

Comment

As the report has been completed the Department of Transport now require the council to endorse the report in order to acquit the grant funds.

Rather than produce another report it seems timely to also ask the council to endorse the 19-20 RAUP project funding agreement to undergo remedial runway repairs, and airport upgrades as follows which should be included in the 19-20 Financial budget.

Financial Breakdown

Activity description	Applicant	RADS	Commonwealth	Total
Runway 15/33 enrichment seal	\$150,000	\$150,000	\$150,000	\$450,000
Perimeter Fencing, incl clearing, groundworks, installation & supply - SWI Fencing Quote \$152,454, + 27,000 vegetation clearing In House	\$59,818	\$59,818	\$59,818	\$179,454
tender process includes documents, design and advertising	\$5,000	\$5,000	\$5,000	\$15,000
TOTAL	\$214,818	\$214,818	\$214,818	\$644,454

Consultation

Angela Hoy, EMTS
Fraser Sparks, AMS
Warren Olsen, DCEO
Colin Bastow, CEO
Golder Associates

Statutory Environment

Nil

Risk Assessment

The runway is failing, and the preventative measures such as a re-seal are required to extend the life of the runway

Policy Implications

To be assessed in due course.

Financial Implications

The council would need to allow \$214,816 in the 19/20 budget to complete and acquit the funding agreement

If the council does not endorse the report from Golder Associates the Shire will not be able to acquit the RADS funding grant, and it stands to lose \$15,000

Strategic Implications

The airport needs to remain operational as it is the only form of public transport at present available to Wiluna town residents

Voting Requirements SIMPLE MAJORITY**Officer Recommendation & Council Decision****Item 9.1.1.****MOVED CR GRUNDY****SECONDED CR THOMAS****That:**

1. Council endorse the Geotechnical pavement report inspection completed by Golder and Associates so that the Regional Airport Development Scheme (RADS) project funding for the Geotechnical report can be acquitted, and
2. Council endorse the recommendations on the report from Golder and Associates to support the 19-20 Remote Airstrip Upgrade Programme (RAUP) current project funding grant agreement
3. Should council endorse the Geotechnical report and its recommendations authorise the CEO to prepare suitable tender documents to support the 19-20 Remote Airstrip Upgrade Project for the Wiluna Aerodrome

CARRIED 4/0**RESOLUTION 064/19****9.2. Deputy Chief Executive Officer****9.2.1. Financial Activity Report – April 2019**

Reporting Officer: Warren Olsen – Deputy CEO
Date of Report: 5 May 2019
Date of Meeting: 22 May 2019
Disclosure of Interest: Nil

Purpose

The purpose of this report is to present the financial activity report for the period ending 30 April 2019.

Background

Section 6.4 of the Local Government Act 1995 requires the CEO to prepare monthly/quarterly financial reports in accordance with the provisions of Regulation 34 and 35 of the Local Government Act (Financial Management) Regulations 1996.

The financial reports, including the Statement of Financial Activity, for the period ended 30 April 2019 is attached to this agenda as Appendix 9.2.1.

Comment

The net current assets as at 30 April were \$12,284,277. The Statement of Financial Position details the composition of this surplus.

Note 5 has not yet been updated to reflect all the budget amendments adopted by the Council at its March meeting as part of the Annual Budget Review.

Note 6 shows outstanding sundry debtors totalling \$3,185,046. The vast majority is represented by Main Roads WA in respect of WANDRRA claims.

Consultation

Nil

Statutory Environment

Local Government (Financial Management) Regulations 1996 – Regulations 34-35.

Risk Assessment

Nil

Policy Implications

Nil

Financial Implications

Specific financial implications are outlined in the Statement of Financial Activity.

Strategic Implications

Effective governance and administration of Shire's services and prudent financial management underpin the ability of the Shire to effectively deliver services and programmes.

Voting Requirements SIMPLE MAJORITY***Officer Recommendation & Council Decision******Item 9.2.1.*****MOVED CR GRUNDY****SECONDED CR THOMAS**

That the financial reports (including the Statement of Financial Activity) for the period ended 30 April 2019 be received and noted.

CARRIED 4/0**Resolution 065/19**

Cr Stacey Petterson entered the meeting at 9.35am

9.2.2. Accounts Paid by Delegated Authority – April 2019

Reporting Officer:	Warren Olsen – Deputy CEO
Date of Report:	5 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

The purpose of this report is to present the list of accounts paid by delegated authority of the Chief Executive Officer during April 2019.

Background

The list of accounts paid during the period 1 April to 30 April 2019 is attached to this agenda as Appendix 9.2.2.

Comment

Payments in April were approximately \$2,227,296 and included a few large payments to contractors engaged in flood damage repair works

Consultation

Nil

Statutory Environment

Sub-regulation 13 (1) of the Local Government (Financial Management) Regulations 1996 requires that a list of accounts paid by the CEO is to be prepared each month showing for each account paid since the last such list was prepared —

- (a) the payee's name; and
- (b) the amount of the payment; and
- (c) the date of the payment; and
- (d) sufficient information to identify the transaction.

Sub-regulation 13 (3) of the Local Government (Financial Management) Regulations 1996 provides that such a list is to be:

- (a) presented to the council at the next ordinary meeting of the council after the list is prepared; and
- (b) recorded in the minutes of that meeting.

Risk Assessment

Nil

Policy Implications

Nil

Financial Implications

Nil

Strategic Implications

Nil

Voting Requirements SIMPLE MAJORITY**Officer Recommendation & Council Decision****Item 9.2.2.****MOVED CR WARD****SECONDED CR GRUNDY**

That the list of accounts paid by authority for the period 1 April 2019 to 30 April 2019, totalling \$2,227,296.30, be received and noted.

CARRIED 5/0**Resolution 066-19****9.2.3. Financial Investments – April 2019**

Reporting Officer: Warren Olsen – Deputy CEO
Date of Report: 4 May 2019
Date of Meeting: 22 May 2019
Disclosure of Interest: Nil

Purpose

The purpose of this report is to present to the Council information regarding the financial investments as at 30 April 2019.

Background

The Shire of Wiluna's policy no. 2.21 - Financial Investment Policy requires that a monthly report is to be presented to the Council "detailing the performance of all investments". Further, it requires that an investment register is to be maintained.

The investments of both reserve accounts and non-reserve municipal funds as at 30 April 2019 are presented as Appendix 9.2.3.

Comment

Reserve Account Funds: One term deposit from the Reserve Account investment pool matured during April paying interest of \$6,273 and \$52 interest was earned by the Reserve Cash Deposit Account.

The total reserve pool interest of \$6,325 has been distributed among the reserve accounts (except for the unspent grants reserve account) proportionately to each reserve account's percentage of the reserve account investment pool.

The Reserve Account term deposits are mostly for terms exceeding 90 days, enabling us to take advantage of higher yields while still ensuring a maturing investment every month.

Our new Reserve Cash Deposit Account at Commonwealth Bank pays interest of 1.45%pa on "at call" funds compared to 1.10% that we were getting at ANZ Bank, but the actual payments are made quarterly.

Non-Reserve Municipal Funds: The funds are currently deposited in three "call deposit" accounts which yield higher interest than the normal chequing account, and in two term deposits. The number and value of non-reserve term deposit securities

held have dropped significantly in recent months as non-reserve funds have been consumed to fund roadwork projects.

For cashflow reasons, our non-reserve term deposits are currently in the 60-day range. This requires foregoing the higher yields available on longer-term investments but makes the cash-flow projections easier (because they are shorter).

During the month of April, our non-reserve call deposits earned interest totalling about \$4,225.

One non-reserve call deposit matured during the month paying interest of approximately \$9,723, bringing the total interest earned on non-reserve municipal funds for the month of April to approximately \$13,498.

Total non-reserve municipal fund investments as at the end of April stood at \$3,802,347 (down from \$4,685,019 at the end of March). This does not include the balance of funds held in the "Municipal Account" for day-to-day transactions.

Consultation

Nil

Statutory Environment

The power to invest is derived from section 6.14 of the Local Government Act 1995. The funds can only be invested in ways approved for the investment of trust funds under Part III of the Trustees Act 1962.

Regulation 19 of the Local Government (Financial Management) Regulations 1996 requires the establishment of control procedures to enable the identification of –

- the nature and location of all investments; and
- the transactions related to each investment.

Risk Assessment

Our primary tools for managing our investment risks are:

- The Shire's policy on financial investments (Policy no. 2.21), which was reviewed and amended at the Council meeting held on 10 April 2017; and
- Diversification of investments.

I undertook to present pie graphs in future investment reports to assist the Council in monitoring the diversification of our investments.

Chart 1 below shows (for purpose of comparison) the distribution of investments at the end of March, and Chart 2 shows the distribution of investments on 30 April.

Chart 1

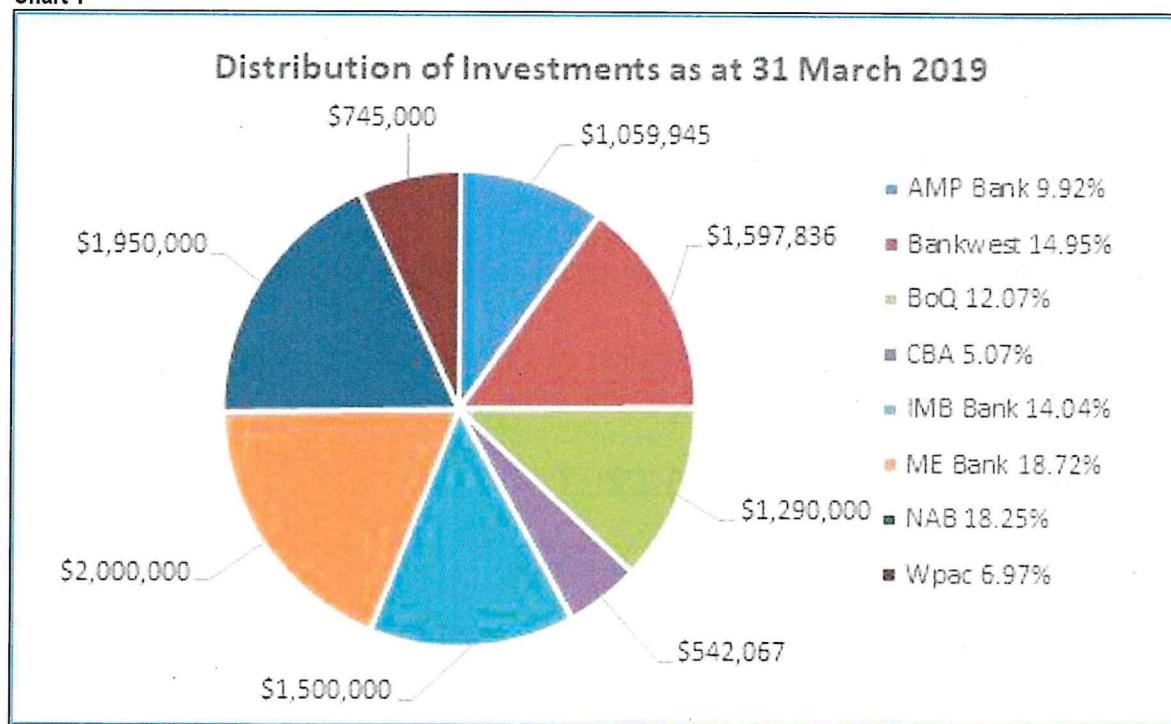
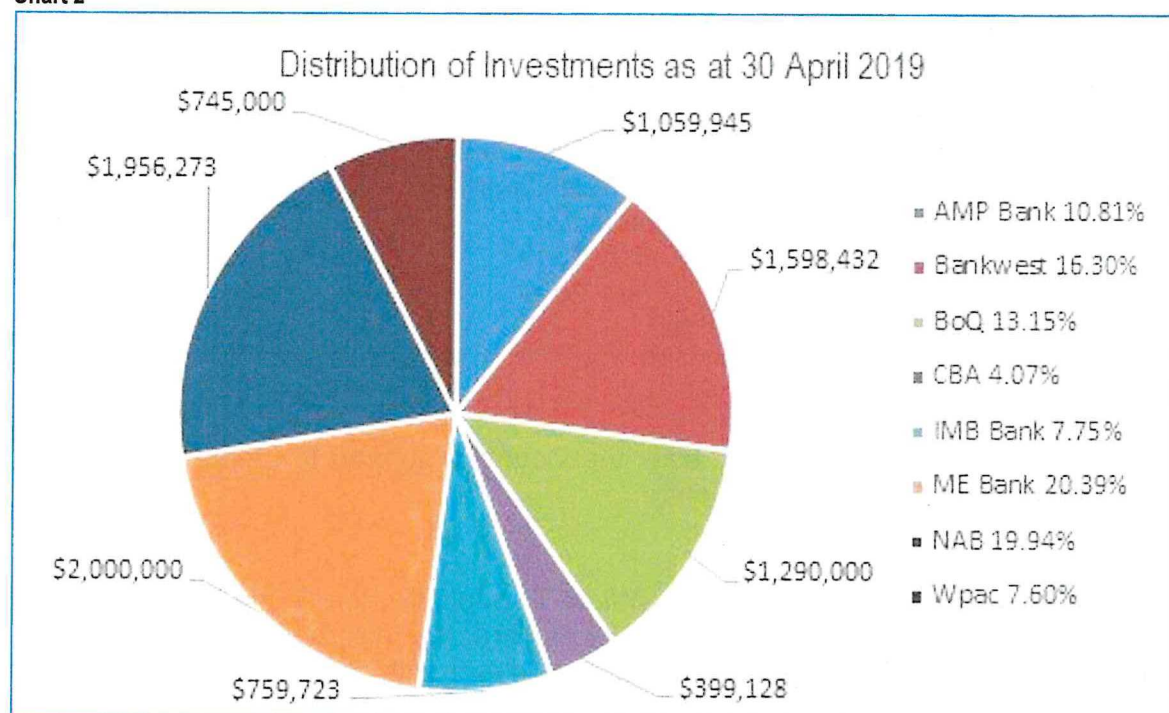


Chart 2



As can be seen, our investments at the end of April are spread among 8 banks, and our exposure to any one institution is limited to \$2M or 20.39%.

Policy Implications

All investments are made in compliance with Policy No. 2.21 - Financial Investments Policy.

Financial Implications

Interest earned from investments is an income for the Shire.

Interest attributable to reserve account investments is credited to the reserve accounts (except the Unspent Grants reserve account) on a pro-rata basis. Interest on investment of surplus general funds is treated as general revenue.

Strategic Implications

Effective governance and administration of Shire's services and prudent financial management underpin the ability of the Shire to effectively deliver services and programmes.

Voting Requirements SIMPLE MAJORITY***Officer Recommendation & Council Decision******Item 9.2.3.*****MOVED CR THOMAS****SECONDED CR GRUNDY**

That the report be received, and the information be noted.

CARRIED 5/0**Resolution 067/19****9.2.4. Proposed Community Orchard:**

Reporting Officer:	Warren Olsen – Deputy CEO
Author:	Tamihana Cummings – Recreation and Leisure Coordinator
Date of Report:	15 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

The purpose of this report is to seek the Council's support to create a community orchard behind the Recreation Centre.

Background

The Wiluna Local Drug Action Team (WLDAT) would like to use the area at the back of the Rec Centre to create a community orchard, that also has an outside area for teaching children/youth along with a landscaped area with seating that allows this area to be utilised for yarning between the old and young. A quiet area that NAHS staff can bring clients to yarn with regarding personal issues. The orchard is not only there to feed the people fresh fruit whenever we hold a community gig, but it is also a place to feed the soul and mind.

Comment

WLDAT has funding to start the project, at this stage we have not costed out what this project may be, we look at this project being completed at a community with service providers and locals taking steps to design and build area. Wiluna Training Centre has agreed to be part of the team if there is suitable work for them to complete.

I will also be talking with Wirrpanda Foundation regarding the CDP Helping Hands program, this project fits with their mandate regarding working for the dole activities.

The Shire could assist when heavy machinery and materials need to be moved in placed or brought to the work site. This will require a modest budgetary provision.

The WLDAT understands that this project sits outside the norm; however, by undertaking the work themselves and committing to the project the community will come out of this with an outcome that they own, they built and they can be proud of.

Consultation

- As a group (WLDAT)
- Community meeting during last week's NAHS Camp at the crossing
- Wiluna Training Centre

Statutory Environment

Nil

Risk Assessment

The most obvious risk associated with this project is a workplace safety risk in relation to persons engaged in the construction aspect of the project.

This risk will be mitigated by:

- OSH inductions for all engaged in the project.
- Provision of Personal Protective Equipment.
- Volunteer insurance.

Policy Implications

A policy would need to be developed with the WLDAT and Shire regarding use of and maintenance of the area.

Financial Implications

Reticulation of area, water costs, the initial set up cost, fencing and ongoing cost associated with having a small orchard: fertilisers, mulch etc.

With Council support, there will be funding streams that the WLDAT can apply for to offset costs.

Strategic Implications

The program fits with the strategic plan based around People: this program gives individuals the chance to show they are the future leaders of Wiluna by their

involvement, it gives us the platform to create a community volunteer group with a project that directly involves the locals and service providers to build a stronger Wiluna.

The project will give the CDP and Wiluna Training Centre crews the opportunity to build and leave a footprint in Wiluna through the result of this project. Service providers and locals coming together to create a healing garden that helps us all deal with the issues related to drugs, alcohol and other substances abuse like domestic violence, anti-social behaviour, child and elder neglect through a positive community project.

Voting Requirements SIMPLE MAJORITY

Officer Recommendation & Council Decision

Item 9.2.4.

MOVED CR THOMAS

SECONDED CR WARD

That the proposal for the creation of a Community Orchard at the rear of the Recreation Centre be supported.

CARRIED 5/0

Resolution 068/19

9.3. Chief Executive Officer

9.3.1. Request to Close the Shire Office during the Christmas Period

Reporting Officer: Colin Bastow, Chief Executive Officer
Date of Report: 9 May 2019
Date of Meeting: 22 May 2019
Disclosure of Interest: Nil

Purpose

The purpose of this report is to seek Council's approval to close the Administration Office from the close of business on Friday 20 December 2019 until Monday 6 January 2020 to have an extended break over the Christmas period.

Background

The Council has authorised the closure of facilities for the period between Christmas and New Year for a number of years and this has not caused any appreciable community disquiet or inconvenience.

Comment

The closure of specific Council facilities over the Christmas period is an opportunity for all members of staff to have a break with their families and friends.

This year Christmas Day falls on a Wednesday. The Council will be asked to close the Council's facilities from the close of business on Friday 20 December 2019, with normal business resuming on Monday 6 January 2020. If the officers'

recommendation is accepted, a notice of closure will be included in the Shire newsletter and notices will be placed around the town nearer the date.

It is essential that we meet the community's expectation in the delivery of services and this will be achieved with the swimming pool being open and the depot will operate on a skeleton staff.

Whilst the Administration Office will be closed, the normal line of the delegation will apply. Officers required for decision making, including myself, will be available to be contacted and therefore an emergency situation or a decision required will be covered.

Consultation

Shire staff

Statutory Environment

Nil

Risk Assessment

Nil

Policy Implications

Nil

Financial Implications

There is no additional cost to the Council, as staff will utilise accrued annual leave entitlements, rostered days off (RDO) or a mixture of both.

Strategic Implications

Nil

Voting Requirements SIMPLE MAJORITY***Officer Recommendation & Council Decision******Item 9.3.1.*****MOVED CR PETTERSON****SECONDED CR WARD**

1. Approve the closure of the Administration Office from cob Friday 20 December 2019 to 8 am Monday 6 January 2020 inclusive.
2. Authorise the Chief Executive Officer to give local public notice of these changes.

CARRIED 5/0**Resolution 069/19**

9.3.2. Approval to Attend - Joint Kimberley Pilbara Regional Forum

Reporting Officer:	Colin Bastow – Chief Executive Officer
Author:	Katrina Boylan – Executive Assistant
Date of Report:	10 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

Council to consider approving the attendance and registration expense incurred by the Shire President to attend the Joint Kimberley Pilbara Regional Forum in Broome on 10 June 2019. (Appendix 9.3.2.)

Background

Attendance at this conference requires a formal resolution of Council, as per Policy 1.25 – Elected Members: Representation/Delegation and Professional Development.

Policy 1.25 states:

- “c) Other: Often there are other local government conferences, seminars and so forth where it is desirable that the Shire has a delegate/s or where the attendance may be beneficial. The National General Assembly of Local Government and the National Local Roads and Transport Congress are included in this category. The term representative or delegate will be used here.”

Comment

The Shire President expressed an interest in attending this meeting on the Shire's behalf. The forum is aimed at how local governments, and the regions they serve, can effectively position themselves to capture benefits throughout the value chain to drive positive economic and social outcomes due to increasing diversification in mining, changes to Government policies and alternative energy development.

Consultation

Jim Quadrio, Shire President

Statutory Environment

Nil

Risk Management Implications

Nil

Policy Implications

Policy 1.25 requires a Council resolution for attendance at this type of event.

Financial Implications

Return airfare to Perth (\$770), return airfare to Broome (\$540), hotel accommodation in Perth, (\$258), hotel accommodation in Broome (\$502) and registration (\$495), totalling approximately \$2565.

Voting Requirement SIMPLE MAJORITY**Officer Recommendation****MOVED CR****SECONDED CR**

1. Approve the Shire Presidents attendance at the Joint Kimberley Pilbara Regional Forum in Broome and to pay expenses of approximately \$2,565. and;
2. Any other reasonable expenses incurred to be reimbursed as per Council Policy 1.25

CARRIED.../...

This Report was withdrawn so Council did not consider this report.

9.3.3. Ordinary Council Meetings Start Time

Reporting Officer:	Colin Bastow, Chief Executive Officer
Date of Report:	12 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

Council to consider a later start to its Ordinary Council Meetings (OCM).

Background

Councillors had requested a later start time to the OCM.

Comment

It was proposed at the 8 May 2019 Council Forum that OCM start time would be moved from 9.00am to 10.00 am. The later time will allow Councillors who travel from their stations to the meeting to do so at a more reasonable time.

Consultation

Councillors who attended the Council Forum on 8 May 2019.

Statutory Environment

Local Government Act 1995

Risk Management Implications

Nil

Policy Implications

Nil

Financial Implications

Nil

Strategic Implications

Nil

Voting Requirements SIMPLE MAJORITY

Officer Recommendation & Council Decision		Item 9.3.3.
MOVED CR WARD	SECONDED CR THOMAS	
That Ordinary Council Meetings (OCM) have their starting time moved to 10.00 am from June 2019.		
<u>CARRIED 5/0</u>	Resolution 070/19	

9.3.4. Policy Project Management

Reporting Officer:	Colin Bastow, Chief Executive Officer
Date of Report:	12 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

Council to consider approving a policy to ensure compliance to recommendation 5 of the Report of the Inquiry into the Shire of Wiluna.

Background

Recommendation 5 was not included in the original draft version of the Report of the Inquiry into the Shire of Wiluna. However, it was included in the final released version. Unfortunately, the original recommendation 5 was not consistent with the Local Government Act 1995 and was subsequently amended by the Department of Local Government, Sport and Cultural Industries (DLGSCI).

Comment

The author is unsure of the significance that recommendation 5 places on having one million dollars or more of external funding and the original wording was not well researched and it could not be complied with by the Shire.

The DLGSCI have expressed a view on how their recommendation 5 should be enacted that is not consistent with the advice received from the Shire's Lawyer. This is of concern as this may result in conflict between the Shire and the DLGSCI.

Voting Requirements SIMPLE MAJORITY

Officer Recommendation & Council Decision		Item 9.3.4.
MOVED CR THOMAS	SECONDED CR PETTERSON	
1. The Shire engage suitably qualified independent Project Managers (contractors) for any projects that have one million dollars or more of external funding.		
2. That the above be added to the Shire's Policy Manual.		
3.		
<u>CARRIED 5/0</u>		Resolution 071/19

9.3.5. Wiluna Youth Centre

Reporting Officer:	Colin Bastow, Chief Executive Officer
Date of Report:	13 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Purpose

Council to consider establishing a Youth Centre in Wiluna and relocate the Gym to the Oval Change Rooms.

Background

The Shire's Recreation Centre is actually providing the town with a much-needed Youth Centre.

The author has had a number of conversations with other agencies about the need for the youth of Wiluna to have a place they can use and call their own. To a certain degree, this is happening in the Recreation Centre.

Comment

To transition the current Recreation Centre into a Youth Centre, the Shire will need to relocate the gym to a different location. Without building a new facility for the gym, there is a limited option to where the gym could be located. The best option would be the repurposing of the change rooms which is located at the oval. The change rooms are underutilised as they are only used once or twice a year.

The Shire has been focusing on adult events at the Moonlight Hall and youth events at the Recreation Centre. However, outdoor community events should still be held at the Recreation Centre as the Oval is too big and make these types of events look poorly attended by the community while the Recreation Centre's outside area has the reverse effect and is the best location for community events and activities.

The relocation of the gym equipment will allow the Shire to offer more services to its paid members as the current location is very limited with regards to space. The

Of concern was the comment made by the DLGSCI that a project manager could not be awarded via a tender process. This is a surprising comment from the Department as a tender is required based on the expected cost e.g. \$150,000 or more. Therefore, it is expected that a Project Manager would cost more than \$150,000 for them to manage a major project such as another WANDRRA (Flood Damage) event.

The Shire would be required to have a suitable contract with the Project Manager to assist with achieving a satisfactory result on the contract. The establishment of a suitable project management contract will be critical to the success of the project. This is to prevent the Project Manager from delivering a substandard result.

The Shire will always need to be in the ultimate control of the projects as contractors are not able to issue purchase orders or authorise payments to be made. The Shire's Lawyers have provided legal advice that the word "*independent*" simply means a simple contract arrangement. The Shire would be prevented from employing its own staff.

Consultation

Adelle Smith, DLGSCI,
David Nicholson, McLeod's Lawyers,
Warren Olsen, DCEO,
Angela Hoy, EMTS.

Statutory Environment

Whilst the recommendation of the report is not legally binding to the Shire the author was advised by the Department of Local Government that other legislation could be used to make the Shire comply with this recommendation.

Risk Management Implications

That the Shire does not get the required outcome from the Project Manager with regards to the final result of the project due to the poor supervisor of contractor etc.

Policy Implications

The recommendation of this report, if adopted by Council would be included in the Shire's policy manual.

Financial Implications

This policy is expected to have a significant impact on the Shire's finances as will be required to engage a project management contractor for all projects that have one million dollars or more of external funding. This requirement does not take into consideration the qualifications and experience of the Shire Staff who might be able to complete the project management task at a fraction of the cost.

It is anticipated that project management cost will be around 10% of the total project cost.

Strategic Implications

Nil

relocation to the Change Rooms will allow the gym equipment to be placed in one change room, while other fitness activities can be conducted in the other change room.

For the one or two occasions per year that organised sporting activity is held on the Oval, the Shire would be able to come up with an alternative arrangement for change rooms.

Consultation

Councillors who attended the 8 May Council Forum.

Tamihana Cummings, RLC

Warren Olsen, DCEO

Statutory Environment

Nil

Risk Management Implications

To try and reduce the issues associated with bored youth roaming around the town there is a need to establish a Youth Centre.

Policy Implications

The recommendation of this report, if adopted by Council would be included in the Shire's policy manual.

Financial Implications

It is estimated that the cost would be around \$5,000 to \$8,000 as there will likely be a need for a new entrance to the Change Room showers, signage, removal of seating and other relocation costs.

Strategic Implications

1.2 Cultural and Community recreational activities for all ages.

Voting Requirements SIMPLE MAJORITY***Officer Recommendation & Council Decision******Item 9.3.5.*****MOVED CR THOMAS
PETTERSON****SECONDED CR**

1. That the Gym and other fitness activities be relocated to the Ovals Change Rooms, and
2. The Wiluna Recreation Centre be renamed the Wiluna Youth Centre.

CARRIED 5/0**Resolution 072/19**

9.3.6. Corporate Structure

Reporting Officer:	Colin Bastow, Chief Executive Officer
Date of Report:	14 May 2019
Date of Meeting:	22 May 2019
Disclosure of Interest:	Nil

Background

The CEO presented a Corporate Structure to Council at the 8 May 2019 Ordinary Council Meeting for its consideration. The Council did not support the CEO's proposed Corporate Structure as it wanted more time to discuss the matter and offer an alternate structure.

Comment

As it is important that the Shire maintains a Corporate Structure that can achieve the Strategic goals of the Council, it would be beneficial for the Shire to engage the services of a suitably qualified and experienced professional to review the current structure and recommend changes. It is proposed that an independent review be undertaken by a suitable and experienced consultant.

Advice from the Western Australian Local Government Association (WALGA) was there is specific responsibility under the Local Government Act 1995 (Act) that sets out the roles of Council and the Chief Executive Officer (CEO) in this area. WALGA also advised that Councils who have not complied with this requirement of the Act, have been dismissed. However, regardless of the scrutiny, the Council should always follow the requirements of the Act.

The Shire is a multimillion-dollar business that requires the specific human resources to ensure ongoing legislative compliance, level of customer service and the ability to achieve the outcome from the integrated plans e.g. Community Strategic and Corporate Business Plans.

The outcome of a review into the requirements of a suitable Corporate Structure may also include changes to the Shire's Workforce Plan.

From the author's view, although there is no urgency for the completion of a corporate structure review, it is important that it is done correctly.

Therefore, if the Council does not want to support the recommendations of the CEO with regards to a Corporate Structure then a suitably qualified and experience consultant should be engaged to complete this task.

Consultation

James McGovern, WALGA.
Peter Naylor, CEO Shire of Laverton
Warren Olsen, DCEO.

Statutory Environment

Local Government Act 1995

S. 5.41 Functions of CEO

- (d) manage the day to day operations of the local government ...
- (g) be responsible for the employment, management supervision, direction and dismissal of other employees ...

S. 2.7 Role of Council

- (2) Without limiting subsection (1), the council is to –

- (a) Oversee the allocation of the local government's finances and resources ...

Risk Management Implications

An inefficient Corporate Structure can result in a local government not being able to operate effectively which includes legislative compliance and maintaining strong governance.

The Local Government Act 1995

Policy Implications

Nil

Financial Implications

The Shire will require quotes for this work before the true cost would be known; however, it is estimated that a review of the Shire's Corporate Structure would cost around \$30,000.

Strategic Implications

To ensure the Shire's Corporate Structure is able to deliver on the Strategic Plan etc.

Voting Requirements SIMPLE MAJORITY

<i>Officer Recommendation</i>

MOVED CR**SECONDED CR**

That the CEO arrange for an independent review of the Shire's Organisational Structure.

CARRIED.../...

This report was left on the Table as was not discussed by the Council.

9.4. Committee Reports

Nil

10. Elected Members Motion of Which Previous Notice Has Been Given

Nil

11. Urgent Business Approved by the Person Presiding or by Decision of Council

Nil

Council Decision**MOVED CR PETTERSON****SECONDED CR THOMAS**

That the meeting be Adjourned at 10.17 am.

CARRIED 5/0**Resolution 073/19*****Council Decision*****MOVED CR PETTERSON****SECONDED CR THOMAS**

That the meeting be resumed at 10.27 am.

CARRIED 5/0**Resolution 074/19****12. Matters Behind Closed Doors****12.1.1. RFT 2018-07 Wotton Main Street Revitalisation Project***This Report was withdrawn so the Council did not consider this report.****Officer Recommendation & Council Decision*****MOVED CR THOMAS****SECONDED CR WARD**

That the meeting be Closed to the public at 10.28 am.

CARRIED 5/0**Resolution 075/19**

12.2.1. RFT 2019-01 Insurance**Officer Recommendation & Council Decision****Item 12.2.1.****MOVED CR GRUNDY****SECONDED CR WARD****That**

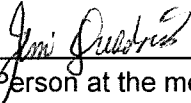
- 1. It be noted that no tenders were received in response to the invitation to tender invitation published in the *West Australian* on 19th January 2019 in respect of insurance services**
- 2. The CEO be authorized to issue letters through Procurement Australia:
 - a) Appointing LGIS Broking Services as the Shire of Wiluna's "Broker of Record" in respect of non-scheme insurances; and**
 - b) Applying for LGISWA Scheme Membership with effect from 30th June 2019 and asking LGISWA to apply to the Governor to grant "self-insurer" status to the Shire of Wiluna in respect of workers compensation.****
- 3. Procurement Australia agree with LGIS the placement of the 2019/20 Insurance Program**
- 4. Procurement Australia evaluates the actual placement of the 2019/2020 insurance program in comparison to the LGIS written offering received on 12th April 2019 and provide a written First Year Placement Report outlining the achieved results.**
- 5. Procurement Australia monitors the appointed broker's performance for the ensuring 12 months in the lead up to the 2020/21 program renewal.**

CARRIED 5/0**Resolution 076/19****Officer Recommendation & Council Decision****MOVED CR THOMAS****SECONDED CR PETTERSON****That the meeting be re-opened to the public at 10.51 am.****CARRIED 5/0****Resolution 077/19**

13. Closure

There being no further business the Chairperson closed the meeting at 10.52am.

These minutes were confirmed at the Ordinary Meeting of Council on the 26 June 2019

Signed 
(Presiding Person at the meeting of which the minutes were confirmed.)

Date: 27/6/19



REPORT

Pavement investigation Report

Shire of Wiluna Airport

Submitted to:

Shire of Wiluna

70 Wotton Street,
WILUNA WA 6646

Submitted by:

Golder Associates Pty Ltd

Level 3, 1 Havelock Street, West Perth, Western Australia 6005, Australia

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18113648-001-R-Rev0

April 2019



Distribution List

1 Copy - Shire of Wiluna

1 Copy - Golder Associates Pty Ltd

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APPENDICES

APPENDIX A

Pavement Dipping Reports

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Laboratory Test Certificates

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Pavement Visual Assessment Photos

APPENDIX D

Falling Weight Deflectometer (FWD) Test Results

APPENDIX E

Important Information

1.0 INTRODUCTION

This report presents the results of the pavement investigation and assessment of Pavement Classification Number (PCN) undertaken by Golder Associates Pty Ltd (Golder) at Wiluna Airport, Wiluna. The work was authorised by Angela Hoy of the Shire of Wiluna through a Purchase order dated 25 January 2019 and was undertaken in accordance with our proposal P18113648-001-L-Rev0. The Airport is an asset of the Shire of Wiluna.

The location of the site in relation to the surrounding area is shown on Figure 1, Location Plan.

The airport, which comprises sealed runway 15/33 (approximately 1,811 m long) and unsealed runway 03/21 (approximately 1,220 m long), a sealed taxiway, and a sealed Regular Public Transport (RPT) apron, was investigated by WML Consultants in 2016. Further investigation was undertaken by GHD in 2018. The Shire of Wiluna required further assessment to be undertaken following the GHD investigation.

Only the existing sealed pavements have been assessed as part of this investigation (runway 15/33, the taxiway and RPT apron).

2.0 OBJECTIVES

The pavement investigation had the following objectives:

- Assess the subsurface soil conditions for the sealed pavements – runway 15/33, the taxiway and the RPT apron
- Characterise the material properties of the subgrade, through sampling and testing including 4-day soaked and unsoaked California Bearing Ratio (CBR)
- Characterise material properties of the basecourse and subbase for the sealed pavements
- Determine the pavement thickness and layering of the sealed pavements
- Provide a professional opinion on the condition and strength of the subgrade and existing pavement materials (including potential areas of concern, if encountered), based on the investigation results and supplied information
- Assess the PCN in accordance with CASA Advisory Circular AC 139-25(0) – Strength Rating of Aerodrome Pavements
- Provide comment on other issues encountered that relate to pavement performance.

3.0 SUPPLIED INFORMATION

The following information has been provided by the Shire of Wiluna:

- GHD Advisory, *Wiluna Airport Funding Review*, dated October 2018.
- GHD Report 91/10733, *Wiluna Aerodrome - Preliminary Pavement Evaluation Study*, dated October 2018.
- WML Consultants Report 7368-G-R-001-A Rev4, *Runway Pavement Investigation Wiluna Aerodrome Report*, dated January 2017.
- Aerodrome Management Services Pty Ltd (AMS)'s Aerodrome Technical Inspection Report, dated June 2017
- Elite Electrical Contracting's Aerodrome Technical Inspection Report dated June 2017.

- Submission - Senate Inquiry into operation regulation funding of air route service delivery (endorsed by Council 2018.02.28)
- Cobham Aviation Services Pavement Concession, dated July 2018.

4.0 PUBLICLY AVAILABLE INFORMATION

4.1 Aerodrome

Detailed information is not available regarding the history of the aerodrome construction. Typically, rural aerodromes undergo a series of lengthening, widening and reconstruction in various stages over time to meet the current needs. We are aware that the runway was resealed in 2016, although we do not have information on the seal construction details (e.g. binder application rate).

4.2 Climate and Rainfall

Wiluna Airport services the community within the Shire of Wiluna and the nearby mine site operated by Blackman Resources. It is located at the edge of the Western Desert in Western Australia, in an area which experiences low rainfall and extreme temperatures. Bureau of Meteorology climate data for the Wiluna weather station, about 4 km north of the site, indicates a mean average rainfall of about 261 mm and a mean monthly maximum temperature between about 19°C and 38°C.

4.3 Geology

The Wiluna 1:250,000 Geological Series Map published by the Geological Survey of Western Australia indicates that the site is located within an area underlain by the following geological units:

- Sheetwash deposits - Clay, silt and sand as extensive fans; commonly ferruginous;
- Colluvium – Silt, sand and rock debris as slope deposits and proximal sheetwash; includes ironstone fragments.

5.0 FIELDWORK

Fieldwork for the pavement investigation was carried out from 20 to 22 February 2019 and comprised the following:

- Site inspection and visual assessment of the pavement and surface condition.
- Pavement dippings at 12 locations, PD01 to PD12, extending to depths ranging from about 350 mm to 700 mm as follows:
 - Nine pavement dippings, PD01 to PD06 and PD10 to PD12, within the runway areas.
 - One pavement dipping, PD09, within the taxiway.
 - Two pavement dippings, PD07 and PD08, within the apron.
- Dynamic cone penetrometer (DCP) testing at subgrade level at two locations, extending to depths ranging from about 350 mm to 420 mm.

The test locations are presented on Figure 2, Site Plan. A summary of the test locations is presented in Table 1.

Table 1: Pavement Dipping Details

Pavement Dipping	Test Location		Chainage (m)	Termination Depth (mm)	Pavement Thickness (mm)		Subgrade Material
	Easting	Northing			Seal	Basecourse	
Runway							
PD01	222928	7051948	1770	500	30	270	Clayey/Silty SAND
PD02	223015	7051796	1600	700	30	270	Clayey/Silty Gravelly SAND
PD03	223212	7051556	1290	480	30	270	Inferred Ironstone
PD04	223369	7051287	970	620	30	250	Clayey/Silty GRAVEL
PD05	223488	7051161	810	350	30	220	Clayey SAND
PD06	223910	7050524	40	480	30	210	Sandy CLAY
PD10	222976	7051856	1660	450	30	230	Clayey/Silty GRAVEL
PD11	223571	7051036	660	560	30	230	Sandy CLAY
PD12	223722	7050772	350	500	30	270	Clayey SAND
Apron							
PD07	223293	7051675	120	500	30	220	Clayey SAND
PD08	223216	7051763	5	420	30	210	GRAVEL
Taxiway							
PD09	223184	7051675	50	360	30	170	GRAVEL

Following logging and sampling, non-sampled spoil from each dipping was placed and compacted within the excavation and imported material sourced on site was used to replace sampled pavement material. Pavement material (moisture conditioned) was compacted, and surfacing was completed by placing and compacting cold mix asphalt. The reinstatement of each pavement dipping was conducted by Shire of Wiluna personnel.

An engineer from Golder positioned and observed the pavement dippings, logged the materials encountered, and collected samples for laboratory testing. Pavement dipping reports are shown in Appendix A, along with the method of soil classification, and notes and abbreviations used on the reports.

The findings of the visual assessment are provided in Section 7.0.

6.0 LABORATORY TESTING

The following laboratory testing was carried out on the samples collected from the pavement and subgrade:

- Moisture content on 12 basecourse and ten subgrade samples.
- Particle size distribution on five basecourse and ten subgrade samples.
- Atterberg limits and linear shrinkage testing on five pavement and ten subgrade samples.
- Dry density – moisture content relationship using modified compactive effort on five subgrade samples.
- Soaked and unsoaked CBR testing on five subgrade samples.
- Soaked CBR on two basecourse samples.

Laboratory testing was carried out at Golder's NATA-accredited laboratory in Osborne Park. Test reports are included in Appendix B and the test methods followed are noted on the test reports. A summary of the laboratory test results is provided in Table 2.

Due to inferred hardpan ironstone encountered at relatively shallow depth across the site (refer Section 8.0 and Appendix A), it was not possible to collect sufficient subgrade samples at a number of the test locations without significant disturbance of the pavement. Therefore, selected samples were blended in order to provide sufficient samples for CBR testing. Samples were blended following receipt of particle size distribution and Atterberg limits test results, and only samples with similar properties were blended for testing. Samples which were blended are indicated in Table 2.

Table 2: Laboratory Test Data Summary

Location	Location	Layer	Description	Particle Size Distribution (%)			MC	LL	PI	LS	MMDD (t/m ³)	SCBR	UCBR
				Gravel	Sand	Fines							
	PD05	Basecourse	Clayey/Silty Gravelly SAND	32	41	27	9	18	7	4	2.43	19	-
	PD06	Basecourse	Clayey GRAVEL	51	29	20	4.3	20	9	4	-	-	-
	PD07	Basecourse	Silty Gravelly SAND	30	49	21	4.7	13	2	1	-	-	-
	PD09	Basecourse	Clayey SAND	19	54	27	8	17	8	3	-	-	-
	PD10	Basecourse	Clayey Sandy GRAVEL	56	30	14	7.4	23	13	7	-	-	-
	PD02	Subgrade	Clayey/Silty Gravelly SAND	31	50	19	8.8	16	4	2.5	-	-	-
	PD04	Subgrade	Clayey/Silty GRAVEL	44	39	17	8	18	5	3	-	-	-
	PD05	Subgrade	Clayey SAND	12	59	29	12.2	20	9	4	-	-	-
	PD06	Subgrade	Sandy CLAY	27	37	36	10.5	26	10	5.5	-	-	-
	PD07	Subgrade	Clayey SAND	9	64	27	9.2	18	8	4	-	-	-
	PD08	Subgrade	GRAVEL	64	28	8	12.1	20	2	1	-	-	-
	PD09	Subgrade	GRAVEL	63	27	10	12.9	SIB	NP	ND	-	-	-
	PD10	Subgrade	Clayey/Silty GRAVEL	48	35	17	9	18	5	3	-	-	-
	PD11	Subgrade	Sandy CLAY	19	46	35	8.3	20	8	5	2.2	4	60
	PD12	Subgrade	Clayey SAND	27	44	29	8.5	20	9	4	-	-	-
	PD04 & PD10 (blended)	Subgrade	-	-	-	-	-	-	-	-	2.34	15	70
	PD05 & PD07 (blended)	Subgrade	-	-	-	-	-	-	-	-	2.25	25	70
	PD06 & PD10 (blended)	Basecourse	-	-	-	-	-	-	-	-	2.50	30	-
	PD06 & PD11 (blended)	Subgrade	-	-	-	-	-	-	-	-	2.12	11	40
	PD08 & PD09 (blended)	Subgrade	-	-	-	-	-	-	-	-	1.89	60	100

Note: MC – moisture content, LL – liquid limit, PI – plasticity index, LS – linear shrinkage, MMDD – modified maximum dry density, SCBR – soaked California bearing ratio, UCBR – unsoaked California bearing ratio

7.0 VISUAL ASSESSMENT

A visual assessment of the pavement was conducted during the fieldwork. An aerial showing the extent of the defects on the runway can be found in figure 2, Site Plan. Photos of the main defects encountered can be found in Appendix C.

7.1 Apron

The condition of the apron pavement and surfacing was noted to be in generally acceptable condition at the time of the fieldwork. Minor stripping of the aggregate was evident in the southeast portion of the apron, with isolated areas of minor rutting and flushing within the trafficked area in the northeast portion of the apron.

7.2 Taxiway

The condition of the taxiway was noted to be marginal. Moderate flushing was observed within the wheelpaths and stripping of the sealing aggregate was noted in un-trafficked areas. Ruts up to 20 mm depth (under a 1.2 m) straight edge were observed in the north-western section of the taxiway.

7.3 Runway

The overall condition of the runway was noted to be marginal, with the north-western section of the runway between chainage 1,100 m and 1,811 m generally showing increased evidence of pavement distress. Ruts up to approximately 20 mm depth were observed over this section. Rutting was most severe around chainage 1,811 m. Isolated flushing in wheel paths, stripping of aggregate, and multiple patches (inferred due to repair of pavement defects) were the main defects observed over this section.

The condition of the runway from chainage 0 m to 1,100 m was generally satisfactory.

Drainage was generally noted to be poor adjacent to the runway. Grades on the runoff areas adjacent to the runway are relatively flat. Drains beyond the runoff area appear relatively shallow.

8.0 SUBSURFACE CONDITIONS

Based on the materials encountered in the pavement dippings, subsurface conditions at the site can be generalised as follows:

8.1 Apron

- **SPRAYED SEAL**; inferred 10/5 mm double coat seal with prime, extending from the pavement surface to a depth of 30 mm, overlying
- **BASECOURSE: Silty Gravelly SAND/Sandy GRAVEL (SM/GP/GC)**; fine to coarse grained sand, fine to coarse, sub-rounded to sub-angular gravel, red brown, up to about 30% low plasticity fines, dry to moist, dense to very dense, extending to depths between about 240 mm and 250 mm, overlying
- **SUBGRADE: Clayey SAND/GRAVEL (SC/GW-GM)**; fine to coarse grained sand, fine to coarse, sub-rounded to sub-angular gravel, red brown, up to approximately 25% low plasticity fines, dry, dense to very dense, extending to the maximum depth investigated of 500 mm.

8.2 Taxiway

- **SPRAYED SEAL**; inferred 10/5 mm double coat seal with prime, extending from the pavement surface to a depth of 30 mm, overlying
- **BASECOURSE: Clayey SAND (SC)**; fine to coarse grained, red brown, approximately 25% low plasticity fines, with fine to coarse, sub-rounded to sub-angular gravel, dry, dense to very dense, extending to depth of about 200 mm, overlying

- **SUBGRADE: Gravel (GW-GM);** fine to coarse, sub-rounded to sub-angular, red brown, with fine to coarse grained sand, with low liquid limit fines, dry, dense to very dense, extending to the maximum depth investigated of 360 mm.

8.3 Runway

- **SPRAYED SEAL;** inferred 10/5 mm double coat seal with prime, extending from the pavement surface to a depth of about 30 mm, overlying
- **BASECOURSE: Clayey/Silty SAND/Clayey/Silty GRAVEL (SC-SM/GC-GM);** fine to coarse grained sand, fine to coarse, sub-rounded to sub-angular gravel, red brown, up to about 25% low plasticity/low liquid limit fines, dry to moist, dense to very dense, extending to depths between about 240 mm and 300 mm, overlying
- **SUBGRADE: Clayey/Silty SAND/Clayey/Silty GRAVEL (SC-SM/GC-GM);** fine to coarse grained sand, fine to coarse, sub-rounded to sub-angular gravel, red brown, up to approximately 30% low plasticity/low liquid limit fines, dry to moist, extending to the maximum depth investigated of 700 mm.

Inferred medium strength ironstone (hardpan) was encountered below the basecourse at pavement dipping PD03. Inferred ironstone was generally noted to underly the subgrade across the site.

Low plasticity Sandy CLAY subgrade was encountered within pavement dippings PD06 and PD11.

8.4 General

Variations to the above generalised profile do occur. Reference should be made to the individual pavement dipping logs in Appendix A for further information.

9.0 DISCUSSION

9.1 Laboratory Testing

9.1.1 Moisture Content

The moisture content test results indicate that the moisture content of the basecourse varies between 4.4% and 9.0%, and the moisture content of the subgrade varies between 8.2% and 12.9%. Moisture ratios (*in situ* moisture content divided by optimum moisture content) ranged from 59% to 120% for the basecourse and 92% and 122% for the subgrade. A summary of the moisture ratios for the tested material is presented in Table 3

Table 3: Summary of Pavement Moisture Ratio

Location	Basecourse			Subgrade		
	MC (%)	MOMC (%)	MR (%)	MC (%)	MOMC (%)	MR (%)
PD01	7	-	93	-	-	-
PD02	8.5	-	113	9.4	-	93
PD03	7.9	-	105	-	-	-
PD04	6.7	-	89	8.2	7.5	109
PD05	9	7.5	120	12.2	10	122
PD06	4.4	7.5	59	10.5	11	95
PD07	4.7	-	63	9.2	10	92
PD08	6.5	-	87	12.9	13.5	96
PD09	8	-	107	12.9	13.5	96
PD10	7.4	7.5	99	9	7.5	120

Location	Basecourse			Subgrade		
	MC (%)	MOMC (%)	MR (%)	MC (%)	MOMC (%)	MR (%)
PD11	5.3	-	71	8.3	8.5	98
PD12	6.2	-	83	8.5	-	83

Note: MC – moisture content, MOMC – modified optimum moisture content, MR – moisture ratio

Values in *italics* have been assessed using average MOMC values

The moisture content testing indicates that the moisture ratios of the basecourse and subgrade are relatively high and may be contributing to some of the performance issues observed. Upper limits for basecourse and subgrade moisture ratios of 70% and 85% respectively are generally considered suitable to manage the risk of poor performance in relation to moisture ingress.

9.1.2 Particle Size Distribution – Basecourse

Particle size distribution testing was undertaken on five basecourse and ten subgrade samples. The test results have been plotted together against Main Roads WA Specification 501 for natural gravel basecourse on Figure 3.

The basecourse material is generally finer than the Specification 501 limits and therefore likely to be lower strength than desired for the expected loads. The relatively high fines content (material passing a 0.075 mm sieve) encountered suggests the material may lose strength at elevated moisture contents.

9.1.3 Atterberg Limits and Linear Shrinkage – Basecourse

The laboratory testing indicates that the Atterberg limits and linear shrinkage properties of the basecourse range from the following values:

- Liquid limit: 13% to 23%
- Plasticity index: 2% to 13%
- Linear shrinkage: 1% to 7%.

The liquid limit is considered to be within an acceptable range for natural gravel basecourse materials. The plasticity index is variable and high (> 6%) for some samples. Some of the linear shrinkage results were noted to be high and this suggests that the basecourse may undergo volume change with changes in moisture content.

9.1.4 California Bearing Ratio

Soaked and unsoaked CBR testing was undertaken on selected basecourse and subgrade samples. Two soaked CBR tests were undertaken on the basecourse material. The soaked CBR test results are summarised with the laboratory test data in Table 2.

9.2 Falling Weight Deflectometer Testing

Falling weight deflectometer (FWD) testing was undertaken on sealed airside pavements in 2016 by WML. The Shire of Wiluna has provided the FWD data to Golder for assessment, and this data is included in Appendix D.

The FWD testing was performed at a target test stress of 1,200 kPa. The data has been assessed using the base layer index (BLI, $D_0 - D_{300}$), middle layer index (MLI, $D_{300} - D_{600}$) and lower layer index (LLI, $D_{600} - D_{900}$) approach as detailed in Horak and Emery (2015)¹. The FWD test data was adjusted to represent a test stress of 1415 kPa (assuming a linear relationship between drop stress and deflection) which is the benchmark stress presented in the Horak and Emery paper. The BLI, MLI and LLI is useful in indicating pavement inadequacies. Assessment of the data indicates:

- The apron generally has a “severe to warning” structural capacity for the base layer, with all test locations except one indicating a “warning or severe” structural condition ratings
- The taxiway generally has a “severe to warning” structural capacity for the base layer with about half of the test locations indicating “warning” or “severe” structural condition ratings.
- The runway pavement between chainage 0 m and 660 m east of the centreline generally has a “severe to warning” structural capacity for the base layer, with about 70% of the test locations undertaken 10 m east of the centreline indicating a “severe” structural condition rating.
- The runway pavement between chainage 660 m and 1,120 m generally has a “severe to warning” structural capacity rating for the base layer with the majority of the test locations indicating “warning” or “severe” structural condition ratings.
- The runway pavement between chainage 1,120 m and 1,810 m generally has a “severe” structural capacity rating for the base layer with all the test locations indicating “warning” or “severe” structural condition ratings, with the majority of the test locations indicating a “severe” structural condition rating.
- The subgrade generally has a “sound” structural capacity rating for the Aaron and runway, with only a small number of locations for each indicating a “warning” structural condition.
- The subgrade has a “sound to warning” structural capacity rating for the Taxiway with several test locations indicating a “warning” structural condition rating.

A summary of the pavement layer indices is presented in Table 4.

¹ E. Horak, James Maina, and S. Emery, Review of Falling Weight Deflectometer Deflection Benchmark, CAPSA 2015.

Table 4: Summary of Pavement Layer Indices

Layer Index	Runway (Ch 0-660 m)			Runway (660-1,120 m)			Runway (1,120-1,811 m)			Taxiway			Apron		
	Base	Middle	Lower	Base	Middle	Lower	Base	Middle	Lower	Base	Middle	Lower	Base	Middle	Lower
"Sound" Index															
Maximum Limit (µm) ⁽¹⁾	500	250	130	500	250	130	500	250	130	500	250	130	500	250	130
Maximum (µm)	1788	481	125	2025	307	81	1951	587	144	1625	526	242	1579	420	168
Average (µm)	677	191	60	859	175	34	1105	223	48	613	305	131	993	240	95

Note: ⁽¹⁾ Values for which good performance can be expected
Average values indicated in red are above the "sound" limit

The Rubicon Toolbox back-calculation program was used to estimate the moduli of the basecourse and subgrade layers in the runway, taxiway and apron pavements based on the FWD results. It should be noted that the results are indicative rather than definitive; however, they can provide some insight into the structural capacity of the pavements. Rubicon allows the layer modulus to be restricted during assessment and the following limits were placed on the pavement layer moduli:

- Basecourse: 200 MPa to 400 MPa
- Subgrade: 60 MPa to 180 MPa.

The low basecourse upper limit was selected following refinement during back-calculation and assessment of the laboratory test results.

The outcomes of the FWD assessment are presented in Table 5.

Table 5: Summary of Back-calculated Layer Moduli

Area	Back-calculated Moduli (MPa)			
	Basecourse		Subgrade	
	Average	15% ⁽¹⁾	Average	15% ⁽¹⁾
Runway (Ch 0-660 m)	371	325	175	180
Runway (Ch 660-1,120 m)	353	272	180	180
Runway (Ch 1,120-1,811 m)	306	213	174	175
Taxiway	388	386	156	113
Apron	336	208	165	153

Note: ⁽¹⁾ 15th percentile value

The back-calculation of layer moduli generally indicates that the basecourse is marginal and the subgrade has good strength. This is in general agreement with the laboratory testing conducted.

9.3 Pavement Composition

The average pavement layer thicknesses based on observations conducted during the pavement dippings is shown in Table 6.

Table 6: Summary of Pavement Thickness

Area	Approximate Layer Thickness (mm)		
	Seal	Basecourse	Total
Runway	30	210-270	240-300
Taxiway	30	170	200
Apron	30	210-220	240-250

No information relating to the construction history of the Airport was provided.

The pavement profiles used in our assessment of the pavement requirements are provided in Table 7.

Table 7: Summary of Pavement Thickness

Area	Approximate Layer Thickness		
	Seal	Basecourse	Total
Runway	30	230	260
Taxiway	30	170	200
Apron	30	210	240

9.4 Subgrade Design CBR

Soaked and unsoaked CBR testing was undertaken on the subgrade materials sampled from each airside pavement dipping. The CBR test results are summarised in Due to the moisture content of the subgrade, the design subgrade CBR value was calculated based on the mean of the soaked CBR results minus a factor multiplied by the standard deviation. This approach is adopted by Main Roads Western Australia (MRWA) and is considered suitable for assessing subgrade conditions at the site.

The outlying results of 4% (PD11) and 60% (PD08 & PD09 blended sample) were not considered in the assessment of subgrade design CBR. This is in accordance with CASA document AC 139-25(0), which allows results outside of the mean plus or minus one standard deviation to be discarded.

While it should be noted that the FWD data generally indicates the subgrade to be “sound” (MLI and LLI), the presence of isolated lower-strength material must be recognised. However, it is not considered practical to base the design subgrade CBR on this outlying result.

The following formula, taken from MRWA design document *Engineering Road Note 9*, was used for the assessment:

$$\text{Design CBR} = \bar{c} - ks$$

Where:

\bar{c} = Mean of all CBR determinations within a single design unit

s = Standard deviation of all CBR determinations within a single design unit

k = A multiplier factor (for arid conditions and a low number of traffic repetitions $k = 0.5$)

The design CBR obtained from the above formula is 16%. This value is considered marginally high for airport pavement design and in accordance with accepted practice and our experience with similar materials the design subgrade CBR was reduced to 15%. This correlates to “Subgrade Code A” (high strength).

It is noted that the subgrade design CBR assessed with the above formula for soaked conditions is comparable to the back-calculated modulus assessed from the FWD test results (using the generally-accepted relationship of modulus = 10 × CBR).

10.0 PAVEMENT CLASSIFICATION NUMBER

10.1 Methodology

The Civil Aviation Safety Authority (CASA) Advisory Circular AC 139-25(0), *Strength Rating of Aerodrome Pavements* (August 2011) provides aerodrome operators with guidance on how to meet specified requirements in relation to the bearing strength of pavements. The CASA advisory circular refers to the US Federal Aviation Authority (FAA) methods of pavement design, which comply with ICAO, and references associated FAA design software: COMFAA and FAARFIELD.

The FAA method recommends the following minimum requirements for runway pavements servicing aircraft less than about 45 tonnes:

- a minimum thickness of asphalt surfacing of 100 mm.
- a crushed aggregate base course with minimum thickness of 150 mm.
- a minimum thickness of sub-base of 100 mm.

In Australia these minimum requirements are generally not complied with. CASA provides alternatives based on local experience in Advisory Circular AC 139-25(0). Natural gravels (sometimes modified with cement but still unbound) and crushed rocks are generally used for basecourse materials. Thin asphalt (generally 50 mm) or bituminous seals are often used for surface treatments.

10.2 Design Traffic

The Shire of Wiluna has provided an airport usage analysis for the financial year ending June 2017 in its "Submission - Senate Inquiry into operation regulation funding of air route service delivery (endorsed by Council 2018.02.28)" document. The data indicated that the aircraft composition will comprise generally of Pilatus PC-12, Aeronaut Embraer 120ER, Bombardier Dash 8, and BAe-146. A total of 469 aircraft movements occurred during this 12-month period. The maximum take-off weight category for each aircraft type were provided in the same document. A concession detailing the Maximum Take-off Weight for the BAE -146 was also provided separately. A summary of the design aircraft and movements is presented in Table 8.

A design life of 20 years and a subgrade design CBR of 15% has been adopted for analysis and design.

Table 8: Design Traffic Information

Design Aircraft	MTOW (kg)	%MG	Tyre pressure (kPa)	MPA	Traffic composition (%)	ACN at MTOW
Pilatus PC-12	4,740	95	531	164 ⁽¹⁾	35	2.8
EMB-120ER	12,000	95	931	130	28	5.9
Dash 8	19,505	93.6	740	90	19	8.4
BAe-146	35,000	94.2	880	85	18	16

Note: ⁽¹⁾ 16 planes having a Maximum Take Off Weight of less than 3,000 kg have been combined to simplify assessment

MTOW – maximum take-off weight, %MG – percentage of weight on main gears, MPA – movements per annum,

ACN – aircraft classification number

An average runway pavement thickness of 277 mm has been considered for the PCN assessment. As the seal thickness is significant (about 30 mm) and the seal contains generally angular aggregate, we have assumed some load spreading will occur through the seal. Therefore, the seal thickness has been included for the PCN assessment.

To assess the PCN, the runway pavement must be converted to an equivalent thickness using the FAA standard profile (76 mm asphalt, 153 mm crushed rock and variable thickness of sub-base). For the purpose of assessment the pavement was assumed to comprise the following profile:

- 30 mm crushed aggregate (seal thickness, P-209)
- 100 mm aggregate (P-208)
- 147 mm sub-base (P-154).

COMFAA is provided with a supporting Excel spreadsheet which allows conversion of the actual pavement to a standard FAA profile. The above profile is equivalent to the following FAA standard profile:

- 76 mm hot mix asphalt
- 113 mm crushed aggregate base
- No sub-base.
- Total thickness 189 mm.

10.3 Pavement Classification Number

It should be noted that as discussed in CASA document 139-25(0), PCN assessment *"is not an exact science and therefore ratings obtained by a technical evaluation are at best a good approximation"*. It is assumed that pavement performance will be monitored by the airport operator and the PCN adjusted if required (e.g. reduced if performance is worse than expected).

AC 139-25(0) indicates that the PCN may be adopted from the aircraft classification number (ACN) of an aircraft at a particular weight such that the pavement is just adequate for 10,000 coverages. An assessment was made of the suitability of the above pavement designs to support 10,000 coverages of a Dash 8, with the aircraft weight reduced until the pavement could support 10,000 coverages. It should be noted the Bae-146 was not assessed as there are relatively few movements of this aircraft type.

The weight of the Dash 8 was assessed to be 16,860 kg. The ACN of the Dash 8 at this weight was assessed in the FAA design program COMFAA and found to be 8 for flexible pavement subgrade support type A (CBR 15%).

The maximum tyre pressure the aircraft expected to regularly use the airport is 931 kPa (135 psi). It is recommended the PCN limit the tyre pressure to this value to optimise wearing surface performance. It should be noted that the PCN tyre pressure limits of Y (1,250 kPa) and Z (500 kPa) are considered to be too high and low respectively.

The recommended PCN of the runway is considered to be **8/F/A/931 (135)/T**. It should be noted the PCN does not account for the current pavement condition, only the average pavement thickness. A reduction in advertised PCN may be warranted to reduce the rate of pavement deterioration.

11.0 PAVEMENT REHABILITATION OPTIONS

11.1 Pavement Structural Condition

The airside pavements were generally considered to be marginal at the time of the fieldwork. We have therefore provided brief comment on aircraft traffic and pavement remediation for consideration.

FWD test results analysis indicates that the runway generally has marginal structural capacity. This is supported by the defects observed (rutting). The PCN assessment also suggests the runway does not have capacity to support aircraft with an ACN above 8, such as the Bae-146.

To facilitate use of the pavements by heavier aircraft, pavement and drainage improvements may be considered.

11.2 Pavement Rehabilitation

A granular overlay with stabilisation is considered to be the most appropriate rehabilitation treatment for Wiluna Airport. This treatment should address the main defects observed (rutting and flushing) and come at significantly reduced cost compared with asphalt. However, it would require closure of the airport to facilitate construction. If this option is pursued it is recommended further advice be sought from potential contractors, but as a guide we anticipate a closure period of about six weeks to two months may be adequate.

Due to the size of the aircraft expected to use the airport we do not consider an asphalt overlay or asphalt wearing surface to be warranted.

This option is expected to provide good performance for the design life of the pavement. A general methodology for construction is provided below:

- Provide drainage improvements as required (e.g. deepening table drains, refer Section 11.3)
- Proof roll the existing pavement using a heavy roller (above 20 tonnes). The purpose of proof rolling is to densify and identify weaker areas prior to overlay.
- Box out weak areas identified during proof rolling to the required depth and replace with granular pavement material. Isolated areas of subgrade improvement may also be required (such as near pavement dipping PD11)
- Overlay the pavement with the required thickness of granular pavement material basecourse to achieve the design requirements. As a guide, about 100 mm to 150 mm may be sufficient, however, the actual thickness required will need to be assessed to accommodate the expected traffic and geometric requirements.
- Spread cement at the required rate across the pavement surface. The required cement content will need to be assessed through laboratory testing; however, based on our previous experience we anticipate a cement content of about 1.5% to 2.0% may be suitable.
- Blend the cement, overlay material, seal and existing pavement material using a pavement recycling machine (stabiliser) to a depth of about 150 mm to 200 mm. Water should be added during this time.
- Compact and trim the pavement within the working time of the cement.
- Allow to dry back, and apply a prime and sprayed seal wearing surface.

Further work is required to assess the suitability of the above option and optimise the design. Golder has significant experience in airport pavement and surfacing design and can provide further advice if required.

11.3 Drainage

The moisture content of the pavement and subgrade was noted to be relatively high. Moisture contents can weaken pavement and subgrade materials and reduce pavement life. Adequate drainage should be provided to keep moisture away from the pavement.

Poor drainage was observed at the site. The relatively shallow cemented material (inferred ironstone) is expected to inhibit infiltration of water below the pavement. It is therefore critical that moisture be intercepted before it can enter the pavement formation by providing sufficient table drains and crossfall at the surface to direct runoff to suitable drainage areas.

It should be noted that failure to provide adequate drainage may reduce pavement life.

12.0 IMPORTANT INFORMATION

Your attention is drawn to the document titled "Important Information Relating to this Report", which is included in Appendix E of this report. The statements presented in that document are intended to inform a reader of the report about its proper use. There are important limitations as to who can use the report and how it can be used. It is important that a reader of the report understands and has realistic expectations about those matters. The Important Information document does not alter the obligations Golder Associates has under the contract between it and its client.

The following limitations apply to the pavement design method adopted:

- 1) The PCN has been assessed for the provided design traffic based on the assumed material design parameters as presented in this report.
- 2) The assessment does not address future changes in aircraft loading. Future increases in aircraft loading may lead to premature failure.
- 3) The specified method only considers subgrade rutting.
- 4) Adequate drainage and a waterproof surfacing above the granular pavement material is required. The ingress of water in the pavement decreases its shear/rutting resistance. The assessment assumes that the pavement will be kept in a dry condition.
- 5) The pavement design relies on a waterproof condition of the pavement surface. If proper maintenance is not carried out during the life of the pavement and water is allowed to infiltrate, poor performance can be expected.

Where information was not provided, assumptions were considered based on experience in similar projects and engineering judgement. Should the assumptions presented in this report differ from actual conditions on site (e.g. aircraft loads and tyre inflation pressures), further assessment may be required.

Signature Page

Golder Associates Pty Ltd



Aichata Traore
Geotechnical Engineer



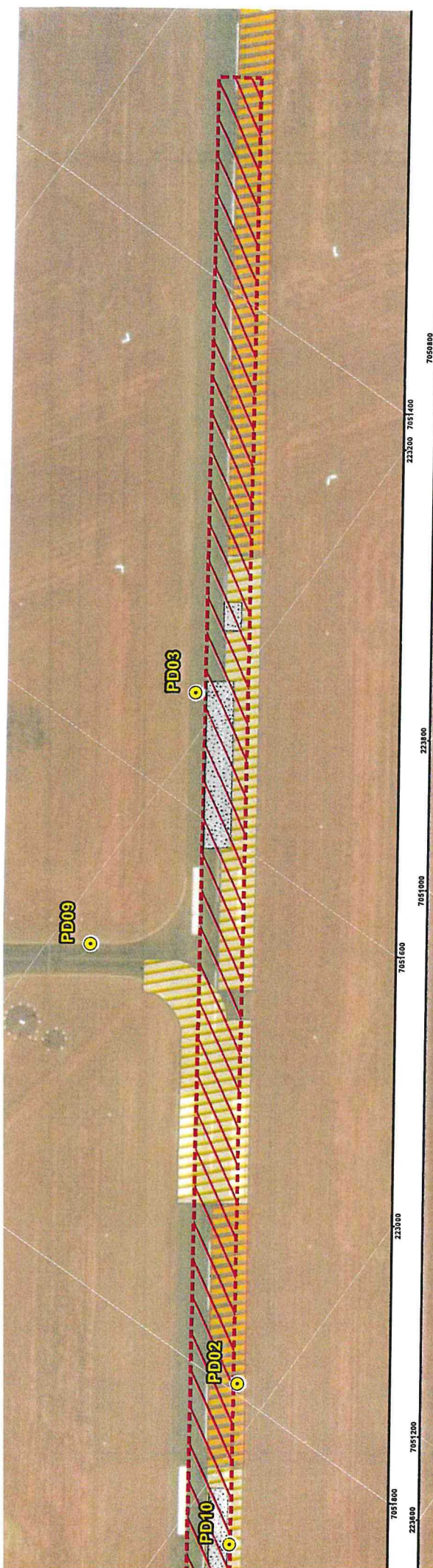
Andrew Cray
Principal Geotechnical Engineer

AT-BMH/AC/as

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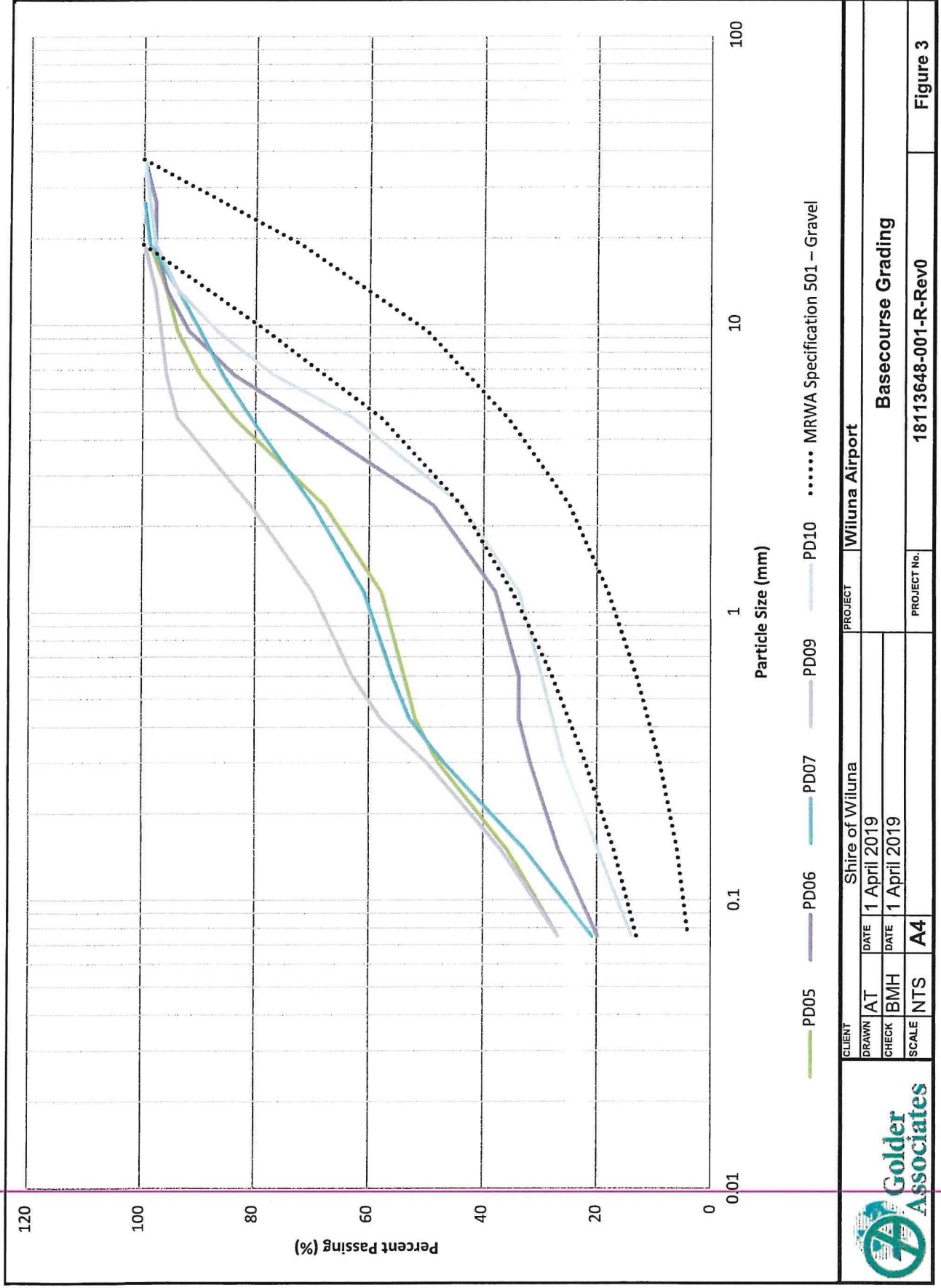


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REFERENCE:

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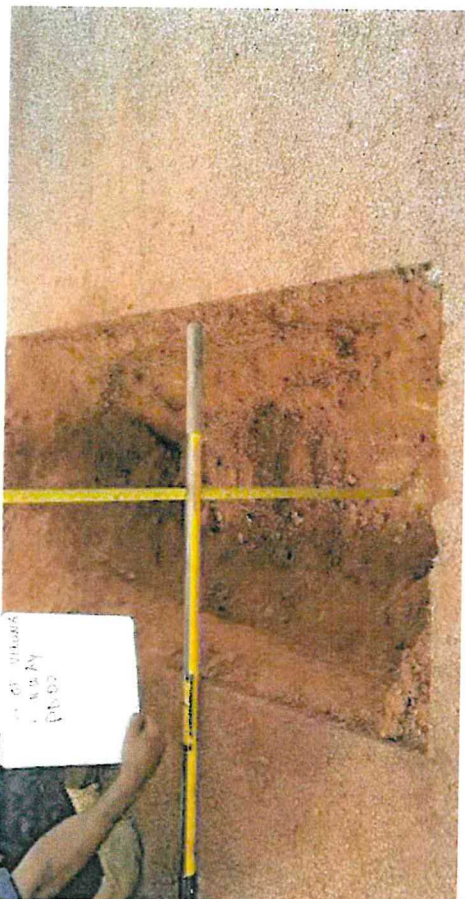


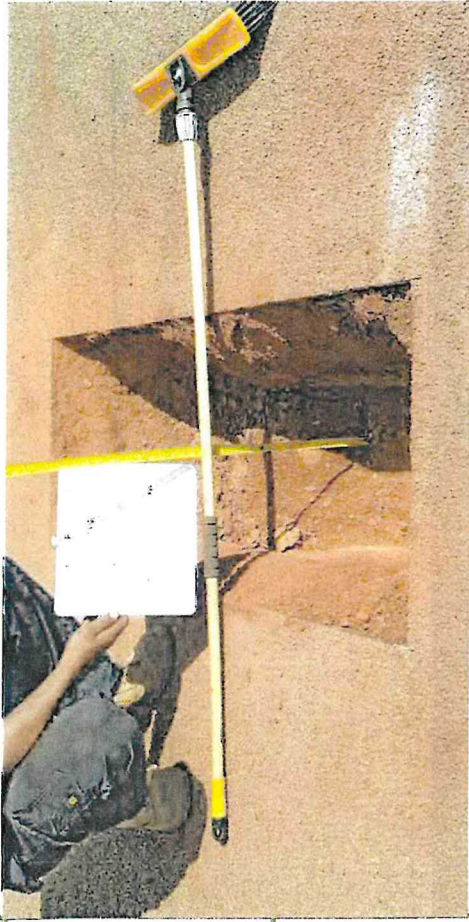
APPENDIX A


Pavement Dipping Reports

Pavement Dipping Location		PD01	Approx. Coordinates: 222928 E 7051948 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		300	Logged: AT	
End of Hole (mm)		500	Date: 20/02/2019	
Surfacing		SEAL: Inferred 10/5 mm double coat seal	Checked: BMH	
Thickness (mm)		30	Date: 29/03/2019	
Comments		Seal is in marginal condition with moderate stripping and bleeding observed		
Basecourse		Clayey/Silty SAND (SC-SM): fine to coarse grained sand, red brown, low plasticity fines, with fine to coarse grained, sub-rounded to sub-angular gravel		
Thickness (mm)		270	1 DS (MC)	
Comments		Moist, dense to very dense		
Subgrade		Clayey/Silty SAND (SC-SM) fine to coarse grained, red brown, approximately 15-20% low liquid limit fines, with fine to coarse, sub-rounded to sub-angular gravel		
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				




Pavement Dipping Location	PD02	Approx. Coordinates: 223015 E 7051796 N	Datum: MGA	zone 51J
Base of Pavement and Surfacing (mm)	300	Logged: AT	Date: 20/02/2019	Checked: BMH
End of Hole (mm)	700		Date: 29/03/2019	
Surfacing	SEAL: Inferred 10/5 mm double coat seal			
Thickness (mm)	30			
Comments	Seal is in marginal condition with moderate stripping and bleeding observed			
Basecourse	Clayey/Silty SAND (SC-SM): fine to coarse grained sand, red brown, low plasticity fines, with fine to coarse grained, sub-rounded to sub-angular gravel.	1 DS (MC)		
Thickness (mm)	270			
Comments	Moist, dense to very dense			
Subgrade	Clayey/Silty Gravelly SAND (SC-SM) fine to coarse grained, red brown, approx. 20% low plasticity fines, approx. 30% fine to coarse, sub-rounded to sub-angular gravel			
Comments	Moist, dense to very dense. Refusal on inferred medium strength ironstone			
Pavement Conditions and General Comments				


Pavement Dipping Location		PD03	Approx. Coordinates: 223212 E 7051556 N Datum: MGA zone 51J Logged: AT Date: 20/02/2019 Checked: BMH Date: 29/03/2019	
Base of Pavement and Surfacing (mm)		300		
End of Hole (mm)		480		
Surfacing	SEAL:	Inferred 10/5 mm double coat seal	Samples	
Thickness (mm)	30	Seal is in satisfactory condition with minor stripping and bleeding observed	1 DS (MC) 1 BDS	
Comments				
Basecourse		Clayey/Silty SAND (SC-SM): fine to coarse grained sand, red brown, low plasticity fines, with fine to coarse grained, sub-rounded to sub-angular gravel		
Thickness (mm)	270			
Comments		Moist, dense to very dense		
Subgrade		Inferred IRONSTONE Distinctly weathered ironstone, medium strength, red brown and dark grey		
Comments		Dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				

Pavement Dipping Location		PD04	Approx. Coordinates: 223369 E 7051287 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		280	Logged: AT Date: 20/02/2019	
End of Hole (mm)		620	Checked: BMH Date: 29/03/2019	
Surfacing	SEAL	Inferred 10/5 mm double coat seal	Samples	
Thickness (mm)	30	Pavement in marginal condition with minor stripping and minor rutting observed		
Comments				
Basecourse	Clayey/Silty GRAVEL (GC-GM): fine to coarse, sub-rounded to sub-angular, red brown, low plasticity fines, with fine to coarse grained sand		1 DS (MC)	
Thickness (mm)	250			
Comments	Moist, dense to very dense			
Subgrade	Clayey/Silty GRAVEL (GC-GM) fine to coarse, sub-rounded to sub-angular, red brown, approx. 15% low plasticity fines, approx. 40% fine to coarse grained sand			
Comments	Moist, dense to very dense. Refusal on inferred medium strength ironstone			
Pavement Conditions and General Comments				


Pavement Dipping Location		PD05	Approx. Coordinates: 223488 E 7051161 N Datum: MGA zone 51J Logged: AT Date: 21/02/2019 Checked: BMH Date: 29/03/2019	
Base of Pavement and Surfacing (mm)		250	Samples	
End of Hole (mm)		350		
Surfacing		SEAL Inferred 10/5 mm double coat seal		
Thickness (mm)		30		
Comments		Seal in satisfactory condition with minor stripping observed	1 DS (MC) 2 BDS	
Basecourse		Clayey/Silty Gravelly SAND (SC-SM): fine to coarse grained, red brown, approx. 25% low plasticity fines, approx. 30% sub-rounded to sub-angular, fine to coarse gravel		
Thickness (mm)		220		
Comments		Moist, dense to very dense		
Subgrade		Clayey SAND (SC) fine to coarse grained, red brown, low plasticity fines, trace fine to medium gravel		
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				
Dynamic Cone Penetrometer: Started at 260mm				
Testing Increment (mm)		0-100		
Blow Count / 100 mm		>25	R	





Pavement Dipping Location		PD06		Approx. Coordinates: 223910 E 7050524 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		240		Logged: AT Date: 21/02/2019	
End of Hole (mm)		480		Checked: BMH Date: 29/03/2019	
Surfacing		SEAL Inferred 10/5 mm double coat seal			
Thickness (mm)		30			
Comments		Seal is in satisfactory condition with moderate stripping and bleeding observed			
Basecourse		Clayey GRAVEL (GC): fine to coarse, sub-rounded to sub-angular, red brown, approx. 20% low plasticity fines, with fine to coarse grained sand		1 DS (MC) 2 BDS	
Thickness (mm)		210			
Comments		Dry, dense to very dense			
Subgrade		Sandy CLAY (CL): low plasticity, red brown, approx. 35-40% fine to coarse grained sand, approximately 25% fine to medium, sub-rounded to sub-angular gravel		DS 1 Bag (20 to 320 mm)	
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone			
Pavement Conditions and General Comments					

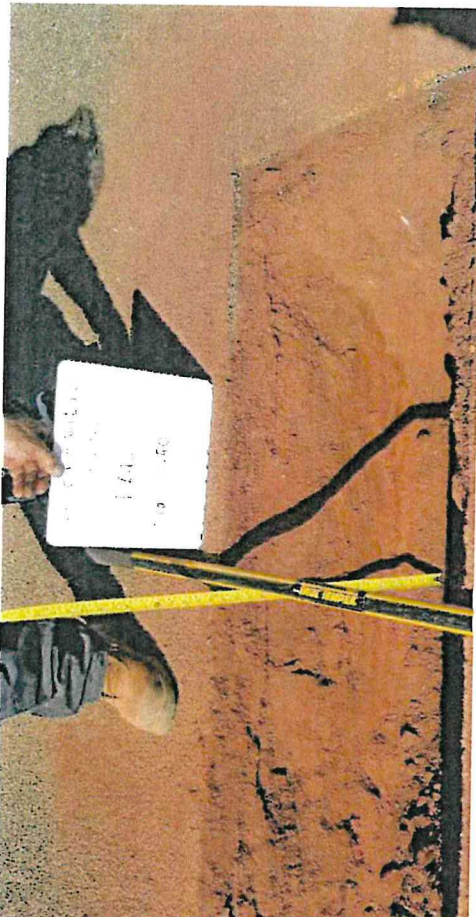
Pavement Dipping Location		PD07	Approx. Coordinates: 223293 E 7051675 N Datum: MGA zone 51J	
			Logged: AT	Date: 21/02/2019
			Checked: BMH	Date: 29/03/2019
Base of Pavement and Surfacing (mm)		250		
End of Hole (mm)		500		
Surfacing		Inferred 10/5 mm double coat seal		
Thickness (mm)	30	Seal in satisfactory condition with some minor stripping observed		
Comments			1 DS (MC) 1 BDS	
Basecourse		Silty Gravelly SAND (SM): fine to coarse grained, red brown, approx. 20% low plasticity fines, approx. 30% fine to coarse, sub-rounded to sub-angular gravel		
Thickness (mm)	220	Dry to moist, dense to very dense		
Comments				
Subgrade		Clayey SAND (SC): fine to coarse grained, red brown, approx. 25% low plasticity fines, with fine to coarse grained, sub-rounded to sub-angular gravel		
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				
General Comments				

Pavement Dipping Location		PD08	Approx. Coordinates: 223216 E 7051763 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		240	Logged: AT Date: 21/02/2019	
End of Hole (mm)		420	Checked: BMH Date: 29/03/2019	
Surfacing	SEAL	Inferred 10/5 mm doublecoat seal		
Thickness (mm)	30			
Comments	Seal in satisfactory condition with minor stripping and minor rutting observed			
Basecourse	Sandy GRAVEL (GP-GC): fine to medium, sub-rounded to sub-angular, orange-red to brown, fine to medium grained sand, with low plasticity fines		1 DS (MC)	
Thickness (mm)	210			
	Dry to moist, dense to very dense			
Subgrade	GRAVEL (GW-GM) fine to coarse, sub-rounded to sub-angular, red brown, with fine to coarse grained sand, with low liquid limit fines			
Comments	Moist, dense to very dense. Refusal on inferred medium strength ironstone			
Pavement Conditions and				
General Comments				
Dynamic Cone Penetrometer: Test commenced at 300 mm depth				
Testing Increment (mm)		0-100		
Blow Count / 100 mm		> 25	R	

Pavement Dipping Location		PD09	Approx. Coordinates: 223184 E 7051675 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		200	Logged: AT Date: 21/02/2019	
End of Hole (mm)		360	Checked: BMH Date: 29/03/2019	
Surfacing	SEAL Inferred 10/5 mm double coat seal			
Thickness (mm)	30			
Comments	Seal is in marginal condition with stripping, rutting and bleeding observed			
Basecourse	Clayey SAND (SC): Fine to coarse grained, red brown, approx. 25% low plasticity fines, with fine to coarse, sub-rounded to sub-angular gravel		1 DS (MC) 1 BDS	
Thickness (mm)	170			
Comments	Moist, dense to very dense			
Subgrade	GRAVEL (GW-GM) fine to coarse, sub-rounded to sub-angular, red brown, with fine to coarse grained sand, with non-plastic fines			
Comments	Moist, dense to very dense. Refusal on inferred medium strength ironstone			
Pavement Conditions and General Comments				

Pavement Dipping Location		PD10	Approx. Coordinates: 222976 E 7051856 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		260	Logged: AT	Date: 21/02/2019
End of Hole (mm)		450	Checked: BMH	Date: 29/03/2019
Surfacing		SEAL Inferred 10/5 mm double coat seal		
Thickness (mm)		30		
Comments		Seal is in marginal condition with moderate stripping and bleeding observed		
Basecourse		Clayey Sandy GRAVEL (GC): fine to coarse, sub-rounded to sub-angular, red brown, approx. 15% low plasticity fines, approx. 30% fine to coarse grained sand		
Thickness (mm)		230		
Comments		Moist, dense to very dense	1 DS (MC) 2 BDS	
Subgrade		Clayey/Silty GRAVEL (GC-GM) fine to coarse, sub-rounded to sub-angular, red brown, approximately 15-20% low liquid limit fines, with fine to coarse grained sand		
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				

Pavement Dipping Location		PD11	Approx. Coordinates: 223571 E 7051036 N Datum: MGA zone 51J Logged: AT Date: 21/02/2019 Checked: BMH Date: 29/03/2019	
Base of Pavement and Surfacing (mm)		260		
End of Hole (mm)		560		
Surfacing		SEAL Inferred 10/5 mm double coat seal		
Thickness (mm)		30	1 DS (MC)	
Comments		Seal in satisfactory condition with minor stripping observed		
Basecourse		Clayey/Silty SAND (SC-SM): fine to coarse grained, red brown, low plasticity fines, with fine to coarse, sub-rounded to sub-angular gravel		
Thickness (mm)		230		
Comments		Dry to moist, dense to very dense		
Subgrade		Sandy CLAY (CL): low plasticity, red brown, approx. 45% fine to coarse grained sand, with fine to medium, sub-rounded to sub-angular gravel		
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				

Pavement Dipping Location		PD12	Approx. Coordinates: 223722 E 7050772 N Datum: MGA zone 51J	
Base of Pavement and Surfacing (mm)		300	Logged: AT Date: 21/02/2019	
End of Hole (mm)		500	Checked: BMH Date: 29/03/2019	
Surfacing		Inferred 10/5 mm double coat seal		
Thickness (mm)	30			
Comments		Seal in satisfactory condition with minor stripping observed		
Basecourse		Clayey/Silty SAND (SC-SM): fine to coarse grained, red brown, low plasticity fines, with fine to coarse grained, sub-rounded to sub-angular gravel	1 DS (MC) 2 BDS	
Thickness (mm)	270			
Comments		Moist, dense to very dense		
Subgrade		Clayey SAND (SC): fine to coarse grained, red brown, approx. 30% low plasticity fines, with fine to coarse grained, sub-rounded to sub-angular gravel		
Comments		Moist, dense to very dense. Refusal on inferred medium strength ironstone		
Pavement Conditions and General Comments				

APPENDIX B

Laboratory Test Certificates

Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

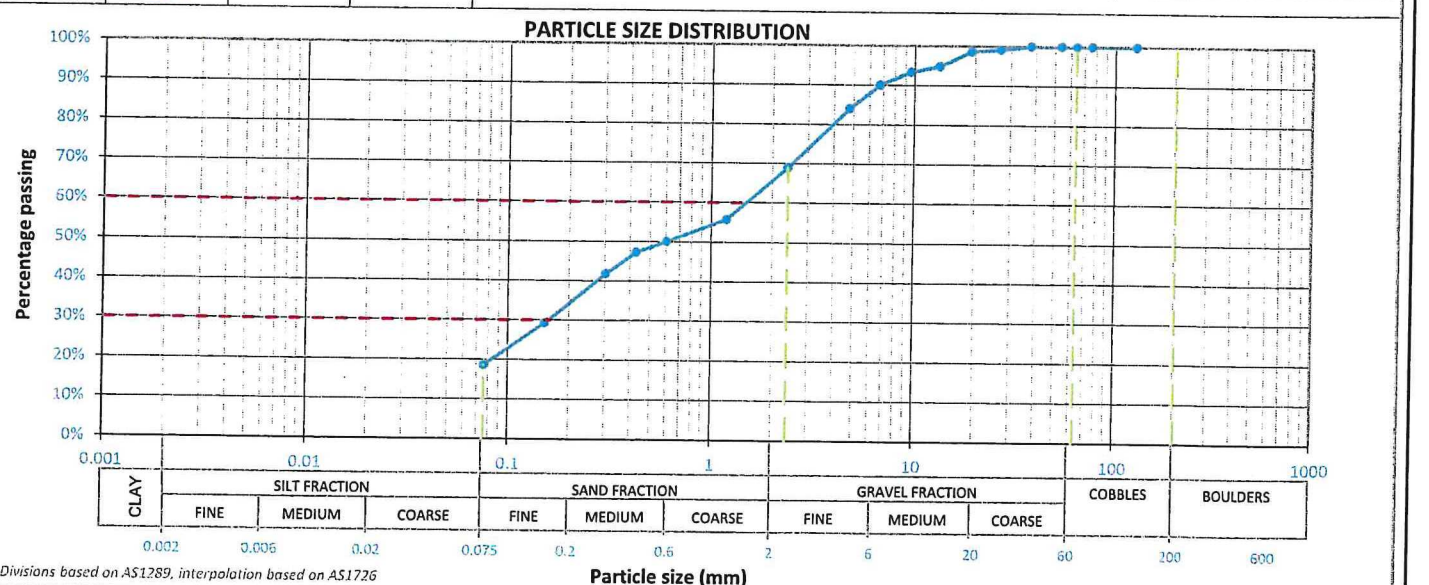
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022726	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023735	
Project name: Shire of Wiluna Runway	Exploratory Hole PD02 - SG	Sample depth (m): 0.30 - 0.50
Location: Wiluna, Western Australia	Project reference:	Client sample ref:

Specimen description:				Sampling co-ordinates				Reduced Level			
(SC-SM) Clayey/Silty SAND with gravel, fine to coarse grained, red brown, fine to coarse grained gravel				Easting (m)		Northing (m)					
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1											
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1		
125 mm	100%			Moisture content	8.8% As Rcvd.	1 point Liquid limit	16%	Plastic limit	12%	Plasticity index	4%
75 mm	100%										
63 mm	100%			Result:	As Rcvd.	16%	12%	4%	2.5%	None	
53 mm	100%										
37.5 mm	100%			LB S:							
26.5 mm	99%										
19 mm	99%			UB S:							
13.2 mm	95%										
9.5 mm	93%			Att. preparation method:		Dry sieved		LSM length (mm):		125	
6.7 mm	90%			Specimen history/notes: Preparation of specimen and testing performed on sample supplied to the laboratory							
4.75 mm	84%			Definitions: LB S = Lower bound specification				N/A = Not applicable			
2.36 mm	69%			LSM = Linear shrinkage mould				ND = Not determined; SIB = Slip in bowl			
1.18 mm	56%			UB S = Upper bound specification				NO = Not obtainable; NP = Non plastic			
600 µm	50%			GRADING SUMMARY							
425 µm	47%			Fines		Sand*		Gravel*		Cobbles*	
300 µm	42%			(<75 µm)		(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
150 µm	29%			18.6%		50.3%		31.1%		0.0%	
75 µm	19%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2							



Testing performed by: RT	Results reviewed by: SLenihan	Date reported: 13/03/2019
Cert. ref.: 18113648_PD02 - SG_TRP19-0043_PSD_19022726_Rep19023735	Approved signatory:	
<p>NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing</p>	<p>Shannon Wai - Laboratory Technician</p>	
Phone: +61 (0)8 9441 0700	Fax: +61 (0)8 9441 0701	E-mail: perthlab@golder.com.au
		Web: www.golder.com.au

Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

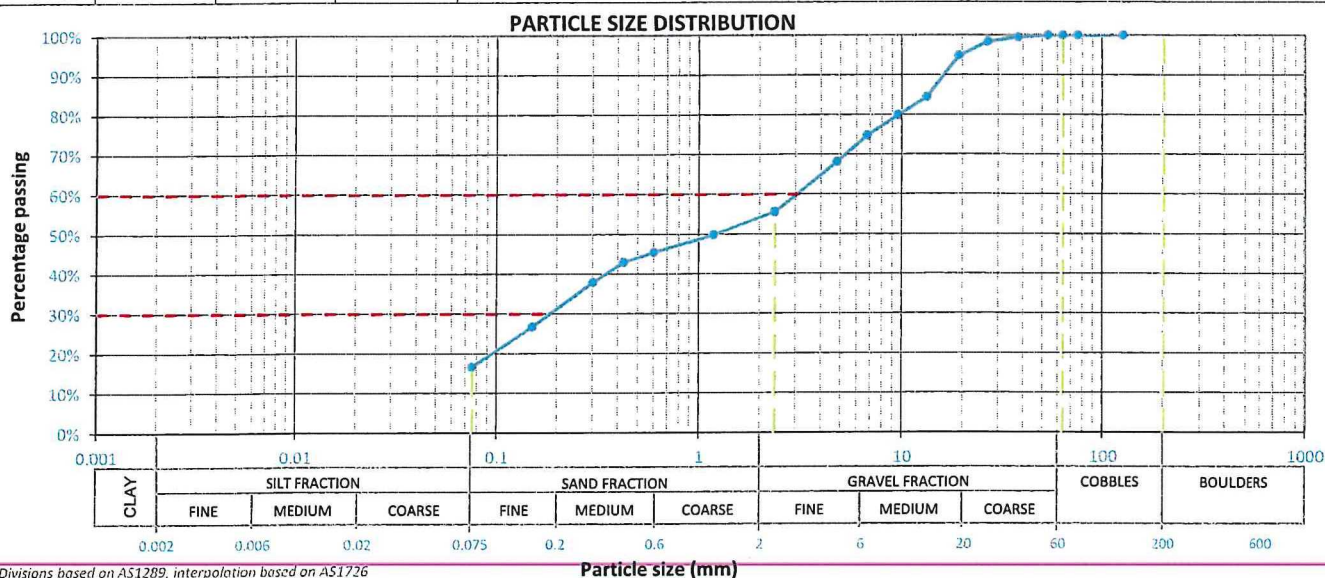
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #:	TRP19-0043	Lab sample ID:	LPER2019022729	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client:	Shire of Wiluna			
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19023736	
Project name:	Shire of Wiluna Runway	Exploratory Hole	PD04 - SG	Sample depth (m): 0.40 - 0.45 Client sample ref:
Location:	Wiluna, Western Australia	Project reference:		

Specimen description:				(GC-GM) Clayey/Silty GRAVEL with sand, fine to coarse grained, red brown, fine to coarse grained sand				Sampling co-ordinates		Reduced Level		
								Easting (m)	Northing (m)			
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1												
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%											
63 mm	100%											
53 mm	100%					Result:	8.0% As Rcvd.	18%	13%	5%	3.0%	Cracking
37.5 mm	100%					LB S:						-
26.5 mm	98%					UB S:						-
19 mm	95%					Att. preparation method:		Dry sieved		LSM length (mm):		125
13.2 mm	84%					Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory					
9.5 mm	80%					Definitions:		LB S = Lower bound specification		N/A = Not applicable		
6.7 mm	75%							LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl		
4.75 mm	68%							UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic		
2.36 mm	56%					GRADING SUMMARY						
1.18 mm	50%					Fines	Sand*		Gravel*		Cobbles*	
600 µm	45%					(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
425 µm	43%					16.7%	38.9%		44.4%		0.0%	
300 µm	38%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2								
150 µm	27%											
75 µm	17%											



Testing performed by:		RT	Results reviewed by:		SLenihan	Date reported:		13/03/2019
Cert. ref.:	18113648_PD04 - SG_TRP19-0043_PSD_19022729_Rep19023736					Approved signatory:		
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing							
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Phone: +61 (0)8 9441 0700		Fax: +61 (0)8 9441 0701		E-mail: perthlab@golder.com.au		Web: www.golder.com.au		

Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022730	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023757	
Project name: Shire of Wiluna Runway	Exploratory Hole PD05 - BC	Sample depth (m): 0.03 - 0.20 Client sample ref:

Location: Wiluna, Western Australia

Project reference:

Specimen description:

(SC-SM) Clayey/Silty SAND with gravel, fine to coarse grained, red brown, fine to medium grained gravel

Sampling co-ordinates

Easting (m) **Northing (m)**

Reduced Level

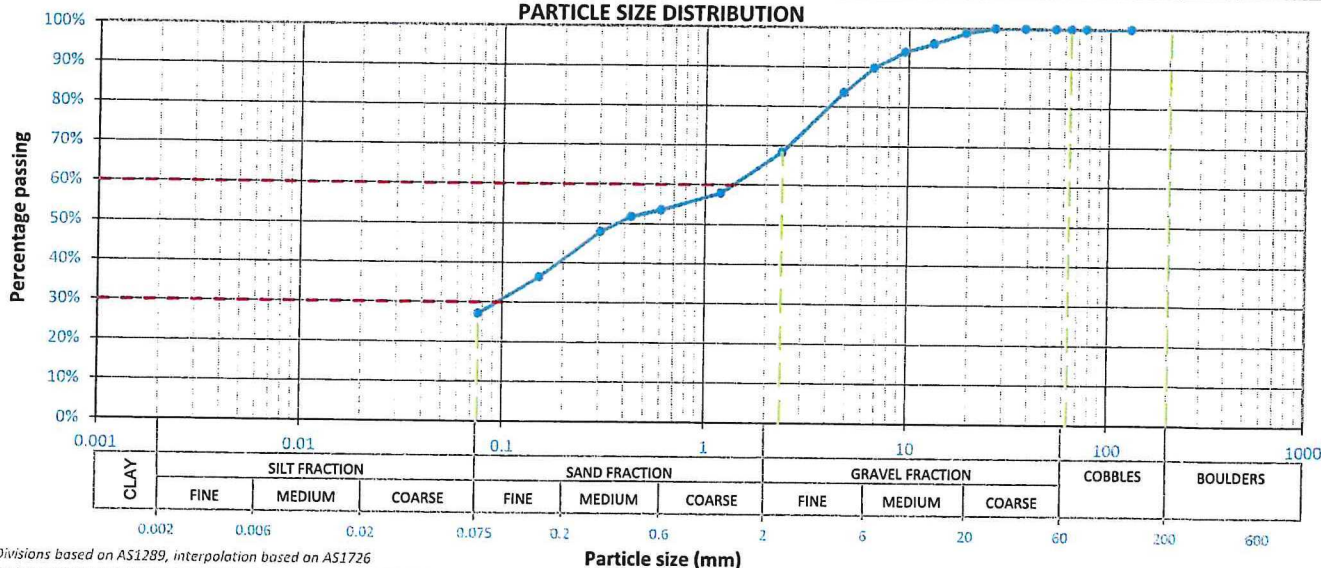
PARTICLE SIZE DISTRIBUTION

AS 1289.3.6.1

Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%			Result:	9.0% As Rcvd.	18%	11%	7%	4.0%	None		
63 mm	100%			LB S: UB S:							-	
53 mm	100%										-	
37.5 mm	100%			Att. preparation method:	Dry sieved		LSM length (mm):	125				
26.5 mm	100%			Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory							
19 mm	99%			Definitions: LB S = Lower bound specification LSM = Linear shrinkage mould UB S = Upper bound specification	N/A = Not applicable ND = Not determined; SIB = Slip in bowl NO = Not obtainable; NP = Non plastic							
13.2 mm	96%				GRADING SUMMARY							
9.5 mm	94%				Fines	Sand*		Gravel*		Cobbles*		
6.7 mm	90%				(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)		
4.75 mm	84%			27.1%	41.1%		31.7%		0.0%			
2.36 mm	68%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2								
1.18 mm	58%											
600 µm	54%											
425 µm	52%											
300 µm	48%											
150 µm	36%											
75 µm	27%											

Proportions based on guidance in AS1726-2017 Section 6.1.4.2

PARTICLE SIZE DISTRIBUTION



Testing performed by: RT	Results reviewed by: SLenihan	Date reported: 14/03/2019
Cert. ref.: 18113648_PD05 - BC_TRP19-0043_PSD_19022730_Rep19023757	Approved signatory:	
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing		
THIS DOCUMENT SHALL ONLY BE REPRODUCED IN FULL		Shannon Wai - Laboratory Technician
Phone: +61 (0)8 9441 0700	Fax: +61 (0)8 9441 0701	E-mail: perthlab@golder.com.au
		Web: www.golder.com.au

Soils testing - Determination of the dry density moisture relationship

Modified compaction method

AS 1289.5.2.1-2017



Test request ID: TRP19-0043	Lab sample ID: LPER2019022730	Golder Associates Pty Ltd
Client: Shire of Wiluna		PERTH GEOTECHNICAL LABORATORY
Client address: 70 Wotton Street, Wiluna 6646		84 Guthrie Street, Osborne Park, Western Australia 6017
Project ID: 18113648	Lab report ref.: LPER_19024036	
Project name: Shire of Wiluna Runway	Exploratory Hole PD05 - BC	Sample depth (m): 0.03 - 0.20 Client sample ref:

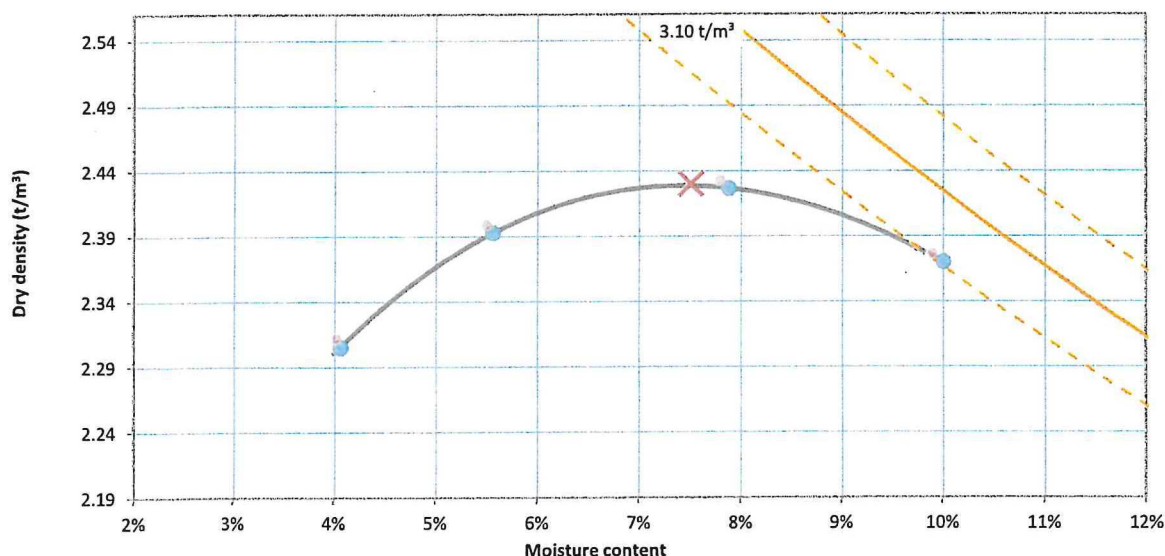
Location: **Wiluna, Western Australia** Project reference:

Specimen description: (Based on visual and tactile assessment)	(SC-SM) Clayey/Silty SAND with gravel, fine to coarse grained, red brown, fine to medium grained gravel	Sampling co-ordinates Easting (m) Northing (m) Reduced Level
---	---	---

Curing compliance:	Liquid Limit	Moisture content: 7.8% Field
Material type	Measured: 18% Assumed: Adopted: 18%	AS 1289 2.1.1-2005
Cohesive	Curing times are compliant Cure: 74 hrs	Portion test performed on: -19 mm

TEST REPORT - COMPACTION RESULTS

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass)
Dry density (t/m ³):	2.31 2.31*	2.39 2.40*	2.43 2.43*	2.37 2.38*			*Denotes value adjusted for oversize material +19 mm: 1% +37.5 mm: 0% <i>Oversize material was discarded</i>
Moisture content:	4.1% 4.0%*	5.6% 5.5%*	7.9% 7.8%*	10.0% 9.9%*			



Notes:

Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
2.43	2.43
7.5%	7.5%

Specimens prepared by: **AA** Tests performed by: **AA** Date tested: **21/03/2019**
Definition: ND = Not Determined Results reviewed by: **Slenihan** Date reported: **26/03/2019**

Cert. ref.: 18113648_PD05 - BC_TRP19-0043_ModComp_s19022730_Rep19024036	Approved signatory:
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing	<i>Shannon Wai</i>
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Phone: +61 (0)8 9441 0700

Fax: +61 (0)8 9441 0701

E-mail: perthlab@golder.com.au

Web: www.golder.com.au

Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014



Test request #:	TRP19-0043	Lab sample ID:	LPER2019022730	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017		
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19024072	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD05 - BC	Sample depth (m): 0.03 - 0.20 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description:	(SC-SM) Clayey/Silty SAND with gravel, fine to coarse grained, red brown, fine (Based on visual and tactile assessment) to medium grained gravel			Sampled by: Test date: 26/03/19

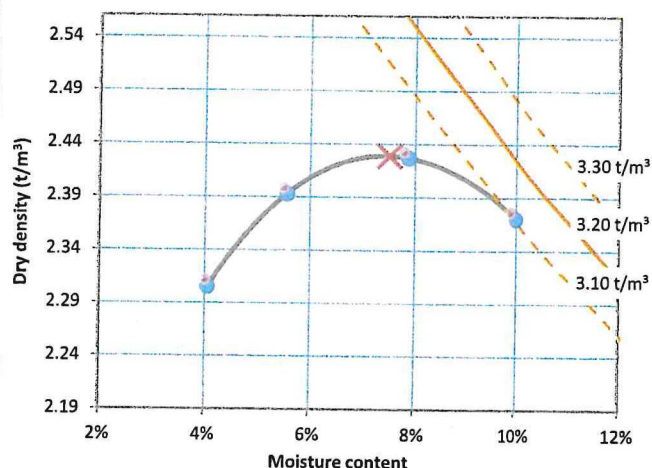
SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

Initial moisture content:	7.8% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m ³):	2.43
Optimum moisture content:	7.5%
Oversize material (>19mm):	1.0%
Compaction moisture content:	7.8%

Note on compaction:

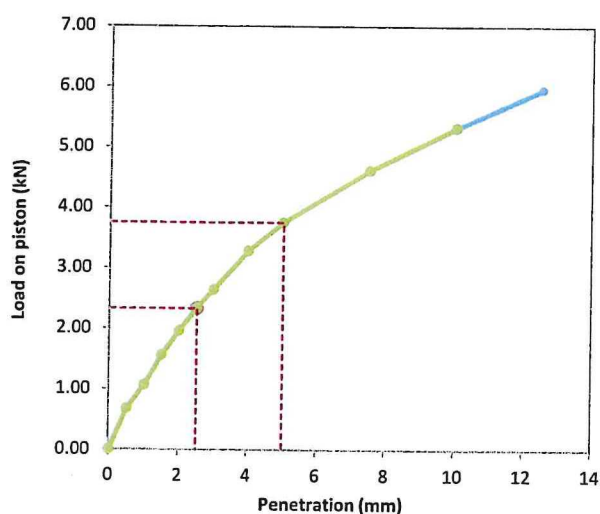
Oversize material has been excluded from the test

Notes on test:



SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:
Load (kN)	0.00	0.67	1.06	1.56	1.96	2.33	2.64	3.28	3.75	4.61	5.32	5.96	
	0.00	0.67	1.06	1.56	1.96	2.33	2.64	3.28	3.75	4.61	5.32		



Dry density t/m ³	before soaking:	2.38
	after soaking:	2.38
Density ratio	before soaking:	98.0%
	after soaking:	98.0%
Moisture ratio at compaction:		103.5%
Duration of soaking (days):		4
Surcharge applied (kg):		6.8
Moisture content top 30mm:		9.8%
Moisture content remainder:		8.6%
Swell after soaking:		0.0%
Bearing ratio at 2.5mm penetration:		17.7%
Bearing ratio at 5.0mm penetration:		18.9%

Penetration (mm) 5.0 CBR Value 19.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

27-Mar-19

Cert. ref.: 18113648_PD05 - BC_TRP19-0043_CBR_19022730_Rep-19024072

Approved signatory:



NATA accreditation number: 1961 - Site:1598 - Perth

Accredited for compliance with ISO/IEC 17025 - Testing

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Sean Lenihan - Laboratory Technician

Phone: +61 (0)8 9441 0700

Fax: +61 (0)8 9441 0701

E-mail: perthlab@golder.com.au

Web: www.golder.com.au

This test was carried out in accordance with AS 1289.6.1.1-2014.

Rep AS1289.6.1.1 - 2014 RL31

Soils testing - Particle size distribution & consistency limits test report

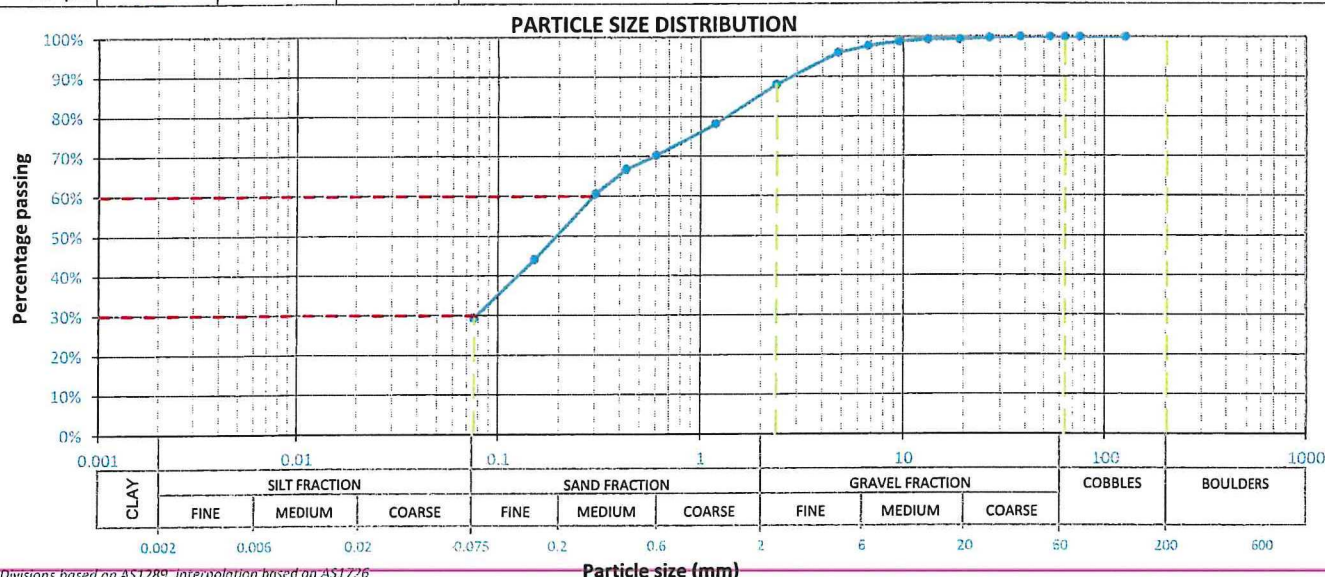
Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



Test request #:	TRP19-0043	Lab sample ID:	LPER2019022731	Golder Associates Pty Ltd
Client:	Shire of Wiluna			PERTH GEOTECHNICAL LABORATORY
Client address:	70 Wotton Street, Wiluna 6646			84 Guthrie Street, Osborne Park, Western Australia 6017
Project ID:	18113648	Lab report ref.:	LPER_19023705_2	
Project name:	Shire of Wiluna Runway	Exploratory Hole	PD05 - SG	Sample depth (m): 0.25 - 0.35
Location:	Wiluna, Western Australia	Project reference:		Client sample ref:

Specimen description:				(SC) Clayey SAND, trace of gravel, fine to coarse grained, red brown, low plasticity, fine to medium grained gravel					Sampling co-ordinates		Reduced Level
									Easting (m)	Northing (m)	
PARTICLE SIZE DISTRIBUTION				AS 1289.3.6.1							
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1		
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking	
75 mm	100%										
63 mm	100%										
53 mm	100%										
37.5 mm	100%										
26.5 mm	100%										
19 mm	99%										
13.2 mm	99%										
9.5 mm	99%										
6.7 mm	98%										
4.75 mm	96%										
2.36 mm	88%										
1.18 mm	78%										
600 µm	70%										
425 µm	67%										
300 µm	61%										
150 µm	44%										
75 µm	29%										
				Result:	12.2% As Rcvd.	20%	11%	9%	4.0%	None	
				LB S:						-	
				UB S:						-	
				Att. preparation method:	Dry sieved		LSM length (mm):		125		
				Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory						
				Definitions:		LB S = Lower bound specification LSM = Linear shrinkage mould UB S = Upper bound specification		N/A = Not applicable ND = Not determined; SIB = Slip in bowl NO = Not obtainable; NP = Non plastic			
				GRADING SUMMARY							
				Fines	Sand*		Gravel*		Cobbles*		
				(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)		
				29.3%	58.6%		12.0%		0.0%		
				Proportions based on guidance in AS1726-2017 Section 6.1.4.2							



Testing performed by:		RT	Results reviewed by:		SWai	Date reported:		13/03/2019
Cert. ref.:	18113648_PD05 - SG_TRP19-0043_PSD_19022731_Rep023705_2					Approved signatory:		
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing							
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Phone: +61 (0)8 9441 0700		Fax: +61 (0)8 9441 0701		E-mail: perthlab@golder.com.au		Web: www.golder.com.au		

Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

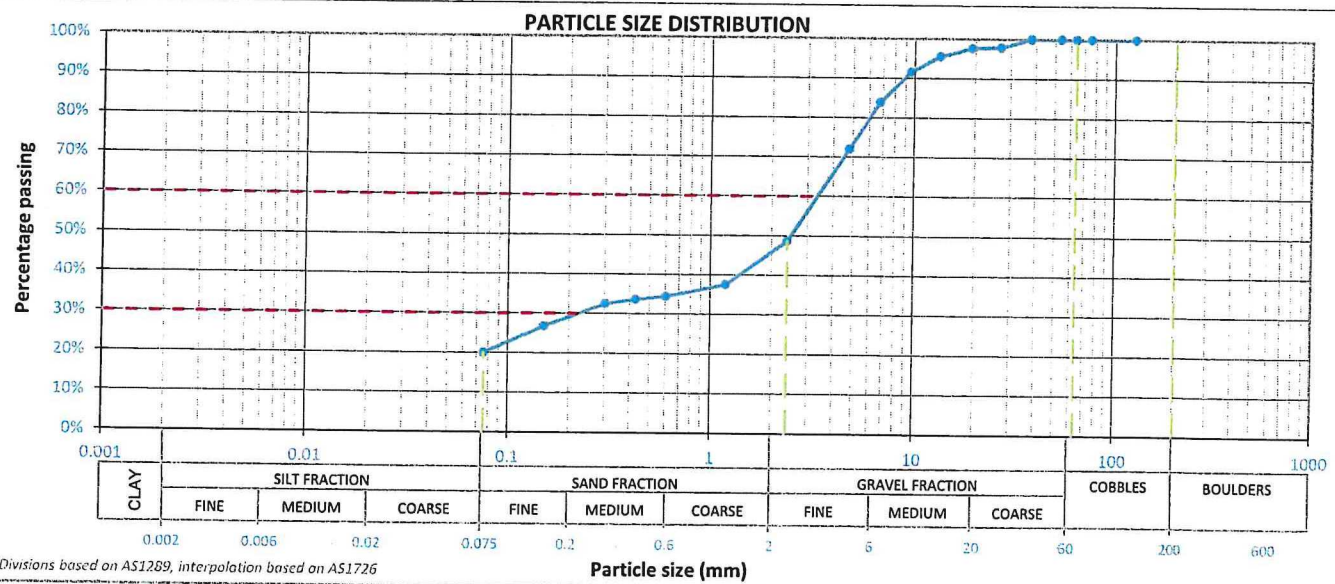
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022732	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023758	
Project name: Shire of Wiluna Runway	Exploratory Hole PD06 - BC	Sample depth (m): 0.03 - 0.20 Client sample ref:
Location: Wiluna, Western Australia	Project reference:	

Specimen description:				Sampling co-ordinates					Reduced Level			
				Easting (m)		Northing (m)						
PARTICLE SIZE DISTRIBUTION				AS 1289.3.6.1								
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%											
75 mm	100%			Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking			
63 mm	100%											
53 mm	100%											
37.5 mm	100%			Result:	4.3% As Rcvd.	20%	11%	9%	4.0%	None		
26.5 mm	98%			LB S:							-	
19 mm	98%			UB S:							-	
13.2 mm	96%			Att. preparation method:		Dry sieved		LSM length (mm):		125		
9.5 mm	92%			Specimen history/notes:		Preparation of specimen and testing performed on sample supplied to the laboratory						
6.7 mm	84%			LB S = Lower bound specification LSM = Linear shrinkage mould UB S = Upper bound specification N/A = Not applicable ND = Not determined; SIB = Slip in bowl NO = Not obtainable; NP = Non plastic								
4.75 mm	72%			GRADING SUMMARY								
2.36 mm	49%			Fines		Sand*		Gravel*		Cobbles*		
1.18 mm	38%			(<75 µm)		(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)		
600 µm	34%			20.0%		28.6%		51.4%		0.0%		
425 µm	34%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2								
300 µm	32%											
150 µm	27%											
75 µm	20%											



Testing performed by: RT	Results reviewed by: SWai	Date reported: 14/03/2019
Cert. ref.: 18113648_PD06 - BC_TRP19-0043_PSD_19022732_Rep19023758	Approved signatory:	
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing		
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Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

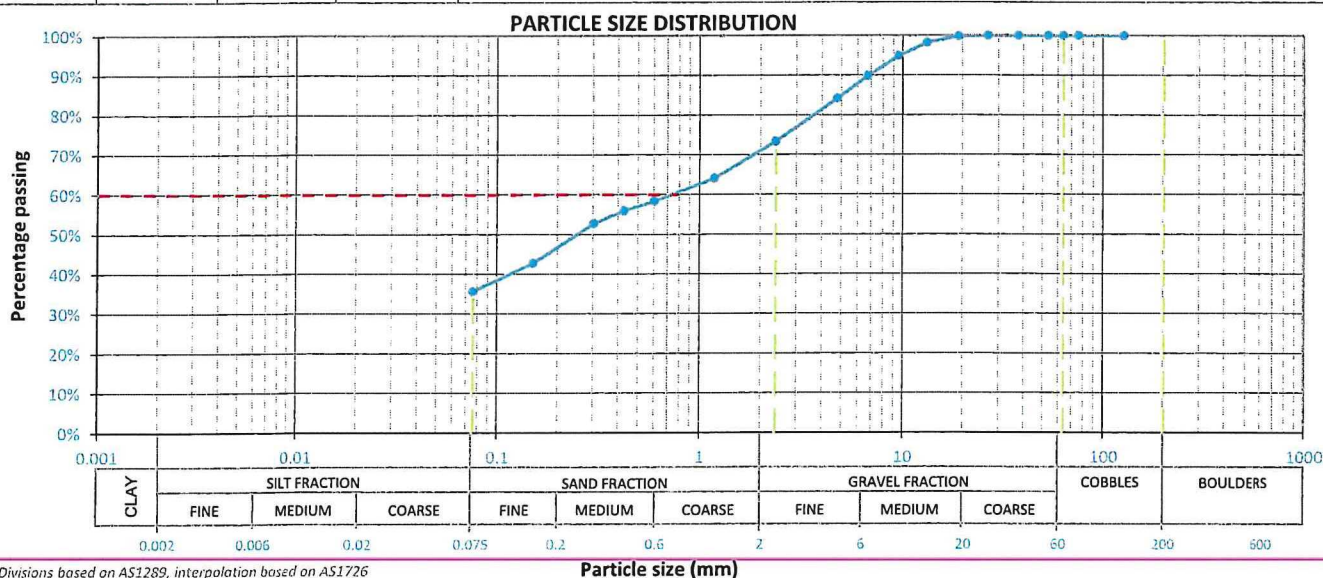
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #:	TRP19-0043	Lab sample ID:	LPER2019022733	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017	
Client:	Shire of Wiluna				
Client address:	70 Wotton Street, Wiluna 6646				
Project ID:	18113648	Lab report ref.:	LPER_19023706_2		
Project name:	Shire of Wiluna Runway		Exploratory Hole PD06 - SG	Sample depth (m):	0.25 - 0.48
Location:	Wiluna, Western Australia		Project reference:	Client sample ref:	

Specimen description:				(CL) Sandy CLAY with gravel, low plasticity, red brown, fine to coarse grained sand, fine to medium grained gravel					Sampling co-ordinates		Reduced Level
									Easting (m)	Northing (m)	
PARTICLE SIZE DISTRIBUTION				AS 1289.3.6.1							
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1		
125 mm	100%					1 point					
75 mm	100%			Moisture content	Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
63 mm	100%										
53 mm	100%										
37.5 mm	100%										
26.5 mm	100%										
19 mm	100%										
13.2 mm	98%										
9.5 mm	95%										
6.7 mm	90%										
4.75 mm	84%										
2.36 mm	73%										
1.18 mm	64%										
600 μm	58%										
425 μm	56%										
300 μm	53%										
150 μm	43%										
75 μm	36%										
				Result:	10.5% As Rcvd.	26%	16%	10%	5.5%	None	
				LB S:						-	
				UB S:						-	
				Att. preparation method:	Dry sieved		LSM length (mm):		125		
				Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory						
				Definitions: LB S = Lower bound specification		N/A = Not applicable					
				LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl					
				UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic					
GRADING SUMMARY											
Fines		Sand*		Gravel*		Cobbles*					
(<75 μm)		(>75 μm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)					
35.6%		37.7%		26.7%		0.0%					
Proportions based on guidance in AS1726-2017 Section 6.1.4.2											



Testing performed by:		RT	Results reviewed by:		SWai	Date reported:		13/03/2019
Cert. ref.:	18113648_PD06 - SG_TRP19-0043_PSD_19022733_Rep023706_2					Approved signatory:		
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing							
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Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

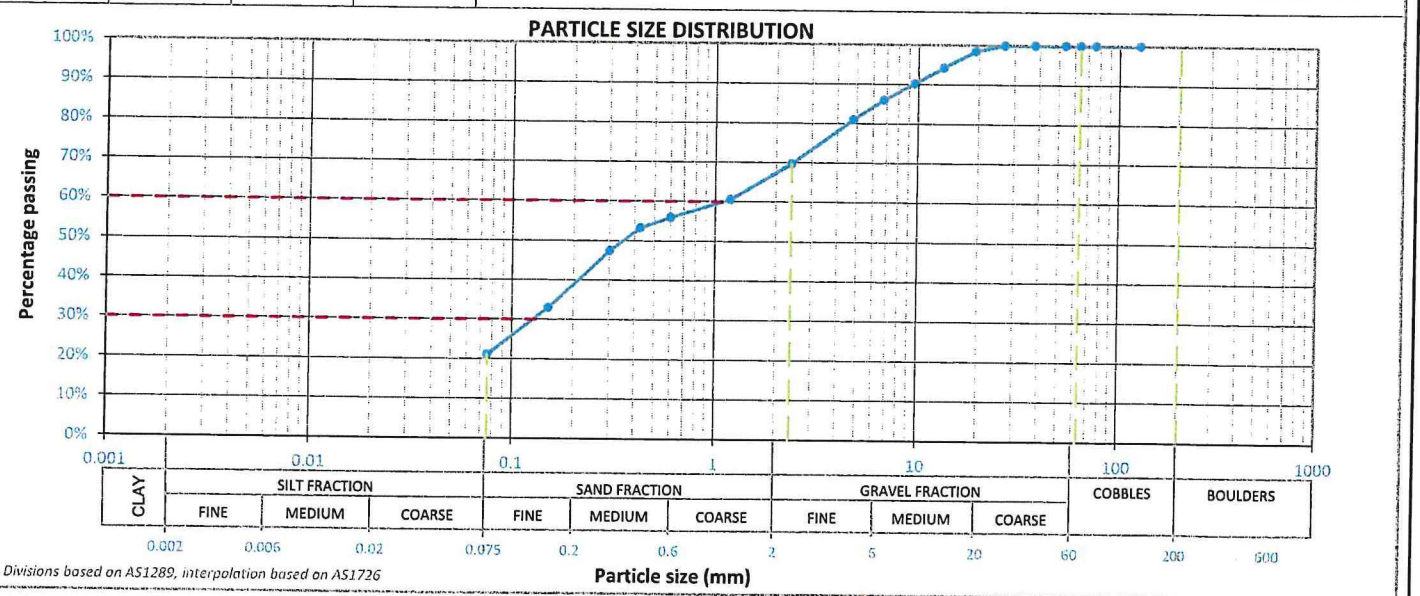
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022734	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023759	
Project name: Shire of Wiluna Runway	Exploratory Hole PD07 - BC	Sample depth (m): 0.03 - 0.20 Client sample ref:
Location: Wiluna, Western Australia	Project reference:	

Specimen description:				(SM) Silty SAND with gravel, fine to coarse grained, red brown, fine to medium grained gravel				Sampling co-ordinates		Reduced Level
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1				Easting (m)		Northing (m)				
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1	
125 mm	100%									
75 mm	100%			Moisture content		1 point Liquid limit		Plastic limit	Plasticity index	Linear shrinkage
63 mm	100%									Curling/ Crumbling/ Cracking
53 mm	100%			Result:	4.7% As Rcvd.	13%	11%	2%	1.0%	Cracking
37.5 mm	100%			LB S:						-
26.5 mm	100%			UB S:						-
19 mm	99%			Att. preparation method:		Dry sieved		LSM length (mm):		125
13.2 mm	94%			Specimen history/notes: Preparation of specimen and testing performed on sample supplied to the laboratory						
9.5 mm	90%			Definitions: LB S = Lower bound specification N/A = Not applicable LSM = Linear shrinkage mould ND = Not determined; SIB = Slip in bowl UB S = Upper bound specification NO = Not obtainable; NP = Non plastic						
6.7 mm	86%			GRADING SUMMARY						
4.75 mm	81%			Fines	Sand*		Gravel*		Cobbles*	
2.36 mm	70%			(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
1.18 mm	61%			21.0%	48.6%		30.3%		0.0%	
600 µm	56%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2						
425 µm	53%									
300 µm	47%									
150 µm	33%									
75 µm	21%									



Testing performed by: RT	Results reviewed by: SWai	Date reported: 14/03/2019
Cert. ref.: 18113648_PD07 - BC_TRP19-0043_PSD_19022734_Rep19023759	Approved signatory:	
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing		
THIS DOCUMENT SHALL ONLY BE REPRODUCED IN FULL		Shannon Wai - Laboratory Technician
Phone: +61 (0)8 9441 0700	Fax: +61 (0)8 9441 0701	E-mail: perthlab@golder.com.au
		Web: www.golder.com.au

Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

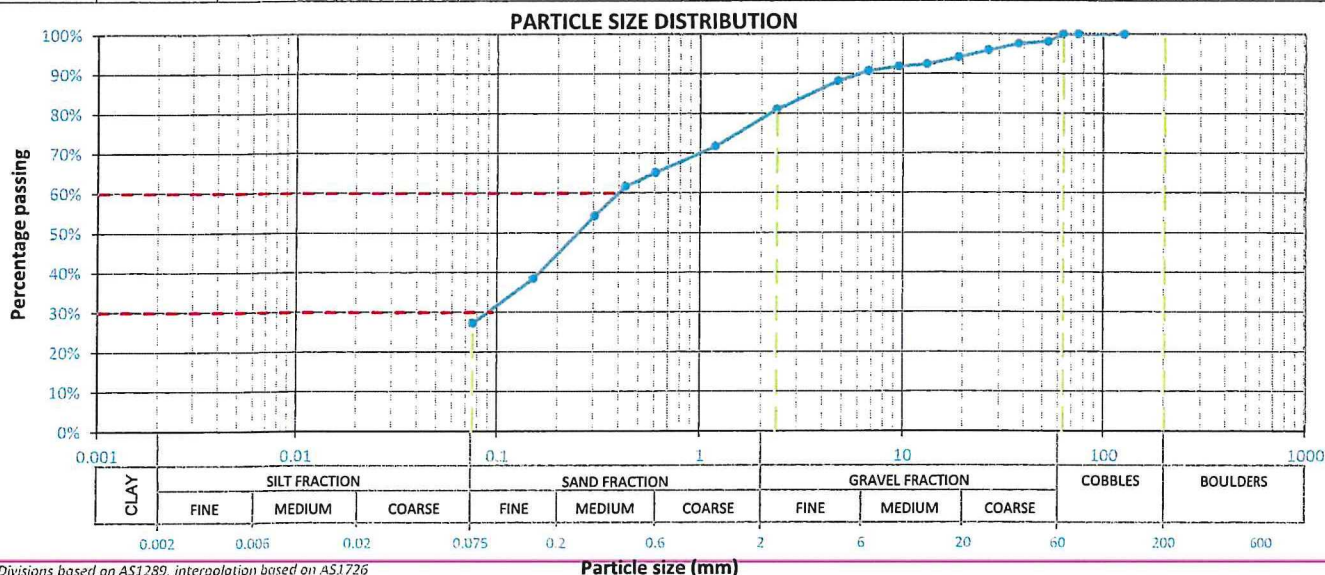
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #:	TRP19-0043	Lab sample ID:	LPER2019022735	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017	
Client:	Shire of Wiluna				
Client address:	70 Wotton Street, Wiluna 6646				
Project ID:	18113648	Lab report ref.:	LPER_19023707_2		
Project name:	Shire of Wiluna Runway		Exploratory Hole PD07 - SG	Sample depth (m):	0.25 - 0.30
				Client sample ref:	
Location:	Wiluna, Western Australia		Project reference:		

Specimen description:				Sampling co-ordinates					Reduced Level			
				Easting (m)		Northing (m)						
(SC) Clayey SAND with gravel, fine to coarse grained, red brown, low plasticity, fine to coarse grained gravel												
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1												
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%											
63 mm	100%											
53 mm	98%			Result:	9.2% As Rcvd.	18%	10%	8%	4.0%	None		
37.5 mm	98%			LB S: UB S:							-	
26.5 mm	96%										-	
19 mm	94%			Att. preparation method:		Dry sieved		LSM length (mm):		125		
13.2 mm	92%			Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory							
9.5 mm	92%			Definitions:		LB S = Lower bound specification		N/A = Not applicable				
6.7 mm	91%					LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl				
4.75 mm	88%					UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic				
2.36 mm	81%			GRADING SUMMARY								
1.18 mm	72%			Fines		Sand*		Gravel*		Cobbles*		
600 µm	65%			(<75 µm)		(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)		
425 µm	62%			27.3%		53.8%		19.0%		0.0%		
300 µm	54%	Proportions based on guidance in AS1726-2017 Section 6.1.4.2										
150 µm	38%											
75 µm	27%											



Testing performed by:		RT	Results reviewed by:		SWai	Date reported:		13/03/2019
Cert. ref.:	18113648_PD07 - SG_TRP19-0043_PSD_19022735_Rep023707_2					Approved signatory:		
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing							
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Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1

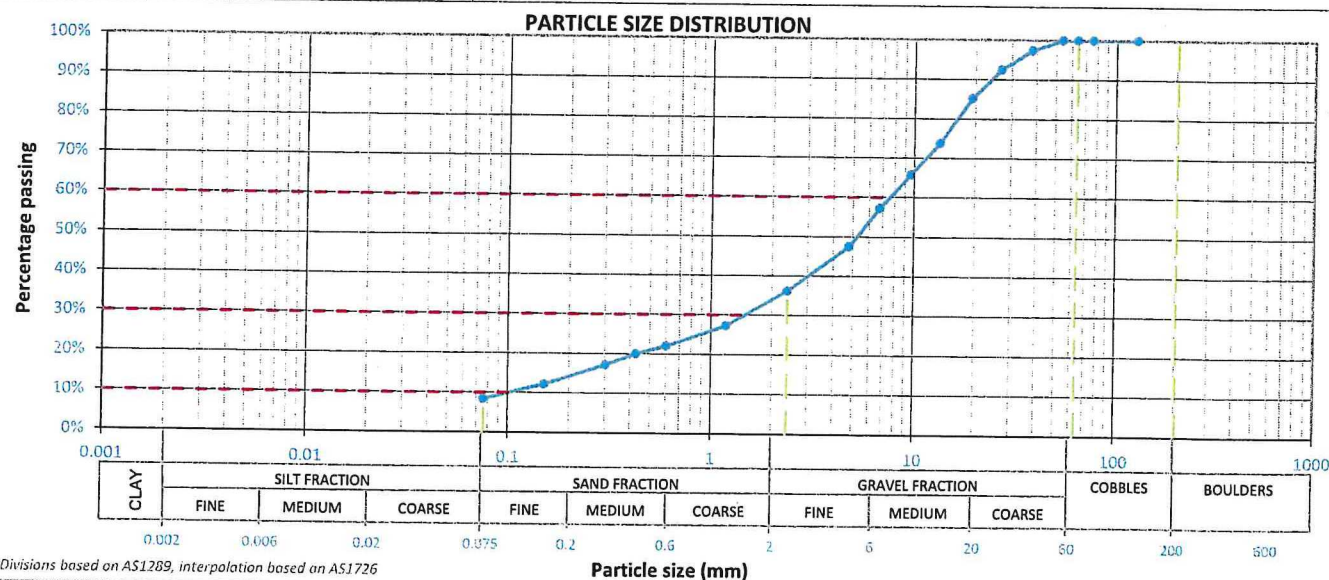


GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022737	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023708_1	
Project name: Shire of Wiluna Runway	Exploratory Hole PD08 - SG	Sample depth (m): 0.25 - 0.30 Client sample ref:
Location: Wiluna, Western Australia	Project reference:	

Specimen description:				(GW-GM) GRAVEL with silt, with sand, fine to coarse grained, red brown, fine to coarse grained sand					Sampling co-ordinates		Reduced Level
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1				Easting (m)		Northing (m)					
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1		
125 mm	100%			Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%										
63 mm	100%										
53 mm	100%										
37.5 mm	97%										
26.5 mm	92%										
19 mm	85%										
13.2 mm	74%										
9.5 mm	66%										
6.7 mm	57%										
4.75 mm	47%										
2.36 mm	36%										
1.18 mm	27%										
600 µm	22%										
425 µm	20%										
300 µm	17%										
150 µm	12%										
75 µm	8%										
Result:				12.1% As Rcvd.	20%	18%	2%	1.0%	None		
LB S:											
UB S:											
Att. preparation method:				Dry sieved		LSM length (mm):		125			
Specimen history/notes:				Preparation of specimen and testing performed on sample supplied to the laboratory							
Definitions:				LB S = Lower bound specification		N/A = Not applicable					
				LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl					
				UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic					
GRADING SUMMARY											
Fines		Sand*		Gravel*		Cobbles*					
(<75 µm)		(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)					
8.4%		27.7%		63.9%		0.0%					
Proportions based on guidance in AS1726-2017 Section 6.1.4.2											

Proportions based on guidance in AS1726-2017 Section 6.1.4.2



Testing performed by: RT	Results reviewed by:	Date reported: 13/03/2019
Cert. ref.: 18113648_PD08 - SG_TRP19-0043_PSD_19022737_Rep023708_1	Approved signatory:	
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing	Shannon Wai - Laboratory Technician	
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Soils testing - Particle size distribution & consistency limits test report

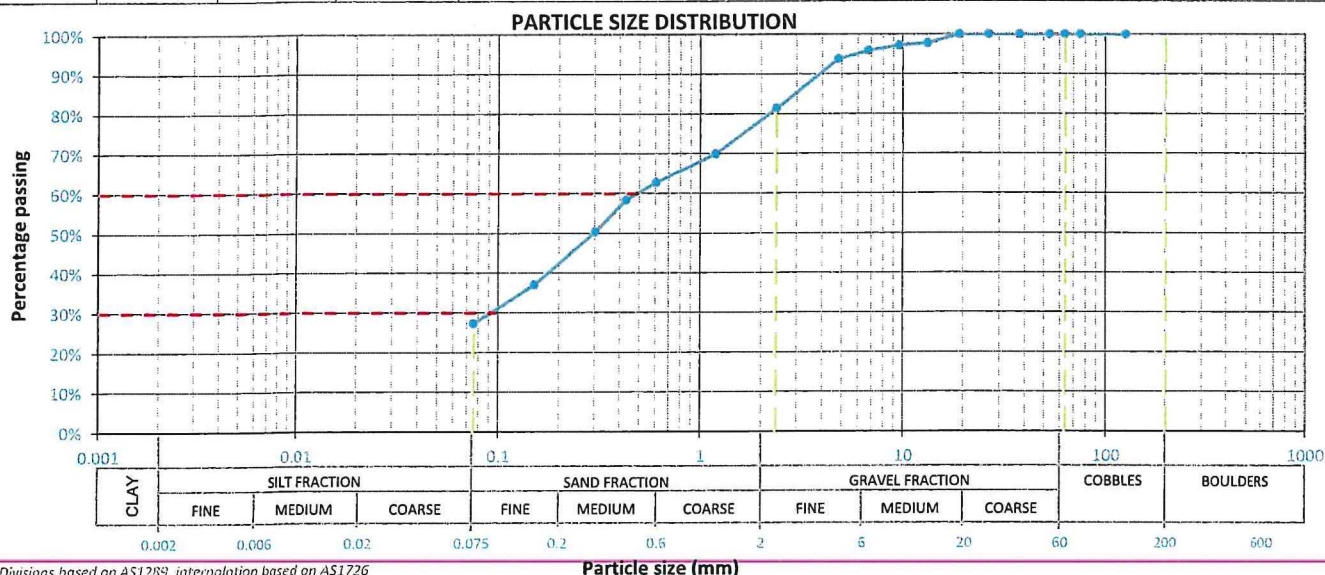
Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



Test request #: TRP19-0043	Lab sample ID: LPER2019022738	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023760	
Project name: Shire of Wiluna Runway	Exploratory Hole PD09 - BC	Sample depth (m): 0.03 - 0.15 Client sample ref:
Location: Wiluna, Western Australia	Project reference:	

Specimen description:				Sampling co-ordinates					Reduced Level			
				Easting (m)		Northing (m)						
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1				(SC) Clayey SAND with gravel, fine to coarse grained, red brown, low plasticity, fine to medium grained gravel								
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%					1 point						
75 mm	100%			Moisture content		Liquid limit		Plastic limit		Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking
63 mm	100%											
53 mm	100%					Result:	8.0% As Rcvd.	17%	9%	8%	2.5%	None
37.5 mm	100%					LB S:						-
26.5 mm	100%					UB S:						-
19 mm	100%					Att. preparation method:		Dry sieved		LSM length (mm):		125
13.2 mm	98%					Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory					
9.5 mm	97%					Definitions:		LB S = Lower bound specification		N/A = Not applicable		
6.7 mm	96%							LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl		
4.75 mm	94%							UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic		
2.36 mm	81%					GRADING SUMMARY						
1.18 mm	70%					Fines	Sand*		Gravel*		Cobbles*	
600 µm	63%					(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
425 µm	58%					27.3%	54.1%		18.7%		0.0%	
300 µm	50%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2								
150 µm	37%											
75 µm	27%											



Testing performed by: RT	Results reviewed by: SLenihan	Date reported: 14/03/2019
Cert. ref.: 18113648_PD09 - BC_TRP19-0043_PSD_19022738_Rep19023760	Approved signatory:	
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing	Shannon Wai - Laboratory Technician	
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Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1

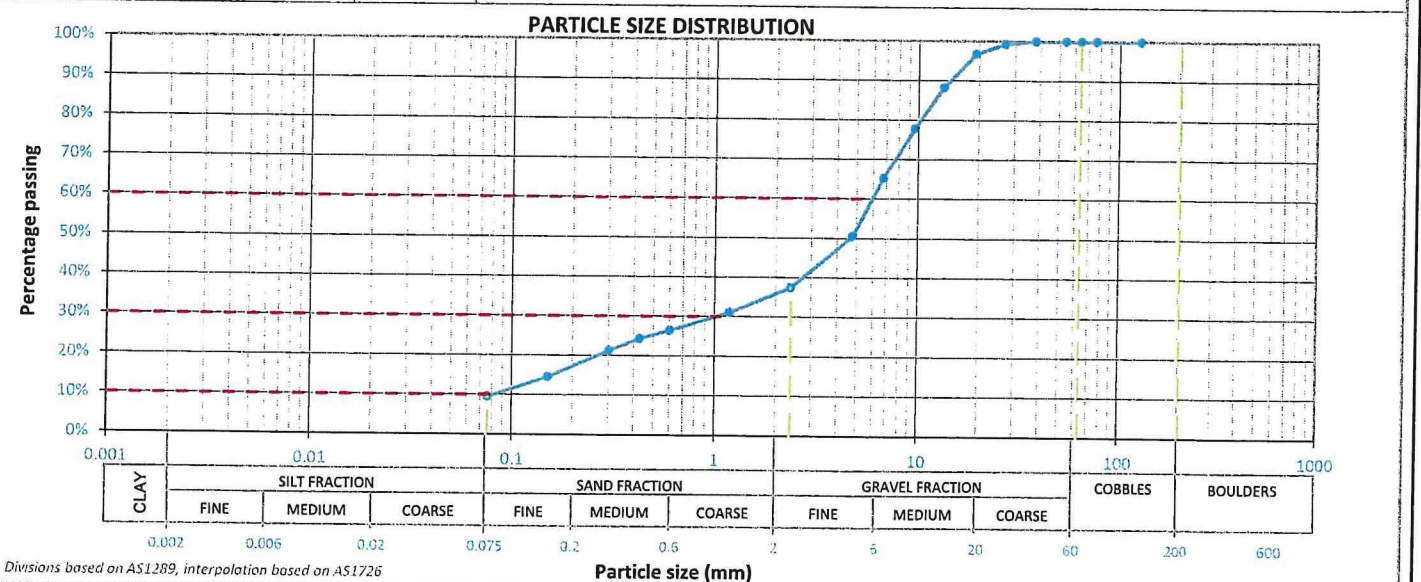


GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022739	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023709_1	
Project name: Shire of Wiluna Runway	Exploratory Hole PD09 - SG	Sample depth (m): 0.20 - 0.30 Client sample ref:

Location: Wiluna, Western Australia	Project reference:
--	---------------------------

Specimen description:				(GW-GM) GRAVEL with silt, with sand, fine to coarse grained, red brown, fine to coarse grained sand				Sampling co-ordinates		Reduced Level		
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1								Easting (m)			Northing (m)	
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%											
63 mm	100%											
53 mm	100%											
37.5 mm	100%					Result:	12.9% As Rcvd.	SIB	NP	ND		
26.5 mm	99%					LB S:						-
19 mm	97%					UB S:						-
13.2 mm	88%					Att. preparation method:		Dry sieved		LSM length (mm):		
9.5 mm	78%					Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory					
6.7 mm	65%					Definitions:		LB S = Lower bound specification		N/A = Not applicable		
4.75 mm	50%							LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl		
2.36 mm	37%							UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic		
1.18 mm	31%					GRADING SUMMARY						
600 µm	26%					Fines	Sand*		Gravel*		Cobbles*	
425 µm	24%					(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
300 µm	21%			9.5%	27.9%		62.6%		0.0%			
150 µm	15%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2								
75 µm	10%											



Testing performed by: RT	Results reviewed by: SWai	Date reported: 13/03/2019
Cert. ref.: 18113648_PD09 - SG_TRP19-0043_PSD_19022739_Rep023709_1	Approved signatory:	
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing	Shannon Wai - Laboratory Technician	
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Soils testing - Particle size distribution & consistency limits test report

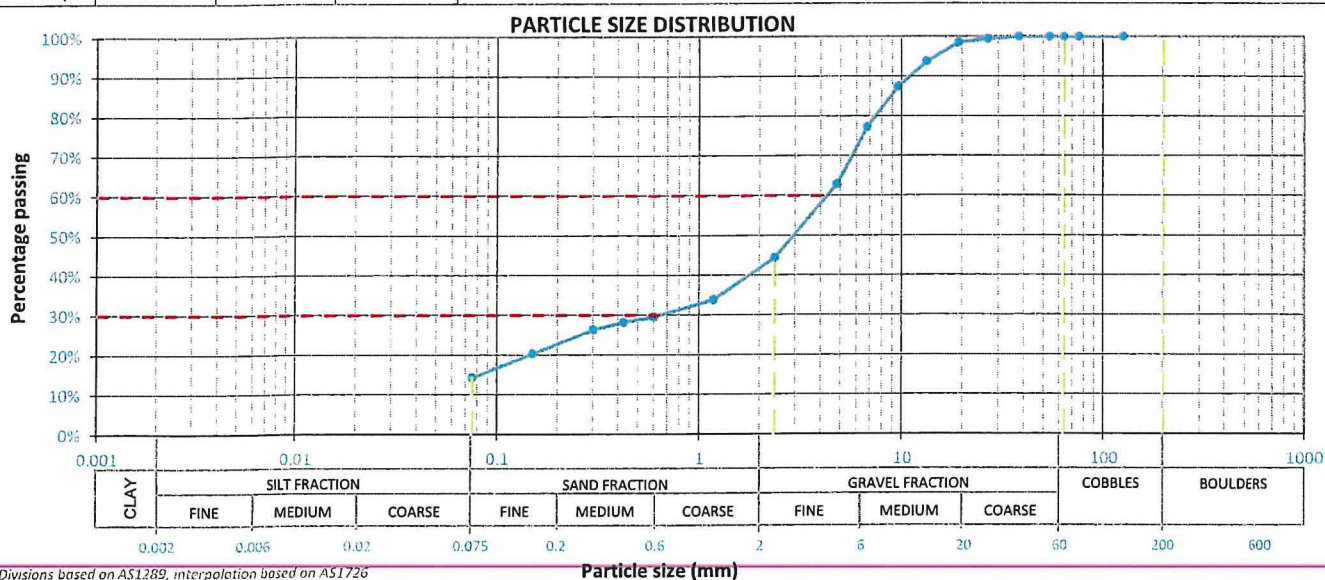
Standard method (by sieving)

AS1289.3.6.1, 2.1.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



Test request #:	TRP19-0043	Lab sample ID:	LPER2019022740	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client:	Shire of Wiluna			
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19023761	
Project name:	Shire of Wiluna Runway	Exploratory Hole	PD10 - BC	Sample depth (m): 0.15 - 0.26 Client sample ref:
Location:	Wiluna, Western Australia	Project reference:		

Specimen description:				(GC) Clayey GRAVEL with sand, fine to coarse grained, red brown, low plasticity, fine to coarse grained sand				Sampling co-ordinates		Reduced Level		
				Easting (m)		Northing (m)						
PARTICLE SIZE DISTRIBUTION				AS 1289.3.6.1								
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%											
63 mm	100%											
53 mm	100%					Result:	7.4% As Rcvd.	23%	10%	13%	7.0%	None
37.5 mm	100%					LB S:						-
26.5 mm	99%					UB S:						-
19 mm	98%					Att. preparation method:		Dry sieved		LSM length (mm):		125
13.2 mm	94%					Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory					
9.5 mm	87%					Definitions:		LB S = Lower bound specification		N/A = Not applicable		
6.7 mm	77%							LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl		
4.75 mm	63%							UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic		
2.36 mm	44%					GRADING SUMMARY						
1.18 mm	34%					Fines	Sand*		Gravel*		Cobbles*	
600 µm	30%					(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
425 µm	28%					14.3%	30.1%		55.6%		0.0%	
300 µm	26%			Proportions based on guidance in AS1726-2017 Section 6.1.4.2								
150 µm	20%											
75 µm	14%											



Testing performed by:		RT	Results reviewed by:	Stenihan	Date reported:	14/03/2019
Cert. ref.:	18113648_PD10 - BC_TRP19-0043_PSD_19022740_Rep19023761				Approved signatory:	
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing					
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Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #: TRP19-0043	Lab sample ID: LPER2019022741	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19023731	
Project name: Shire of Wiluna Runway	Exploratory Hole PD10 - SG	Sample depth (m): 0.40 - 0.46
Location: Wiluna, Western Australia	Project reference:	Client sample ref:

Specimen description:

{GC-GM} Clayey/Silty GRAVEL with sand, fine to coarse grained, red brown, fine to coarse grained sand

Sampling co-ordinates

Easting (m) **Northing (m)**

Reduced Level

PARTICLE SIZE DISTRIBUTION

AS 1289.3.6.1

Sieve Size	Passing	LB S	UB S
125 mm	100%		
75 mm	100%		
63 mm	100%		
53 mm	100%		
37.5 mm	100%		
26.5 mm	98%		
19 mm	93%		
13.2 mm	85%		
9.5 mm	80%		
6.7 mm	73%		
4.75 mm	65%		
2.36 mm	52%		
1.18 mm	46%		
600 µm	40%		
425 µm	38%		
300 µm	34%		
150 µm	25%		
75 µm	17%		

Method:

AS 1289.2.1.1

AS 1289.3.1.2

AS 1289.3.2.1

AS 1289.3.3.1

AS 1289.3.4.1

Moisture content

1 point Liquid limit

Plastic limit

Plasticity index

Linear shrinkage

Curling/ Crumbling/ Cracking

Result:

9.0%
As Rcvd.

18%

13%

5%

3.0%

None

LB S:

UB S:

Att. preparation method:

Dry sieved

LSM length (mm):

125

Specimen history/notes:

Preparation of specimen and testing performed on sample supplied to the laboratory

LB S = Lower bound specification

N/A = Not applicable

Definitions: LSM = Linear shrinkage mould

ND = Not determined; SIB = Slip in bowl

UB S = Upper bound specification

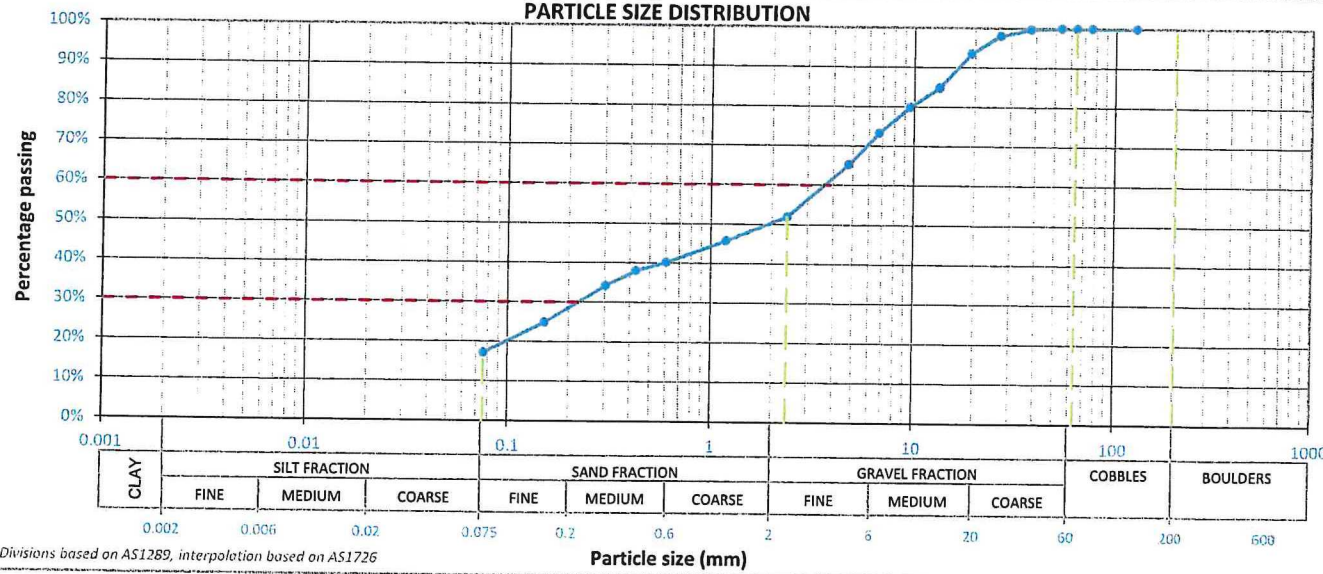
NO = Not obtainable; NP = Non plastic

GRADING SUMMARY

Fines	Sand*	Gravel*	Cobbles*
(<75 µm)	(>75 µm - <2.36 mm)	(>2.36 mm - <63 mm)	(>63mm - <200 mm)
17.1%	34.7%	48.2%	0.0%

Proportions based on guidance in AS1726-2017 Section 6.1.4.2

PARTICLE SIZE DISTRIBUTION



Divisions based on AS1289, interpolation based on AS1726

Particle size (mm)

Testing performed by: RT	Results reviewed by: SLenihan	Date reported: 13/03/2019
Cert. ref.: 18113648_PD10 - SG_TRP19-0043_PSD_19022741_Rep19023731	Approved signatory:	
<p>NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing</p>	<p>Shannon Wai - Laboratory Technician</p>	

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Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1

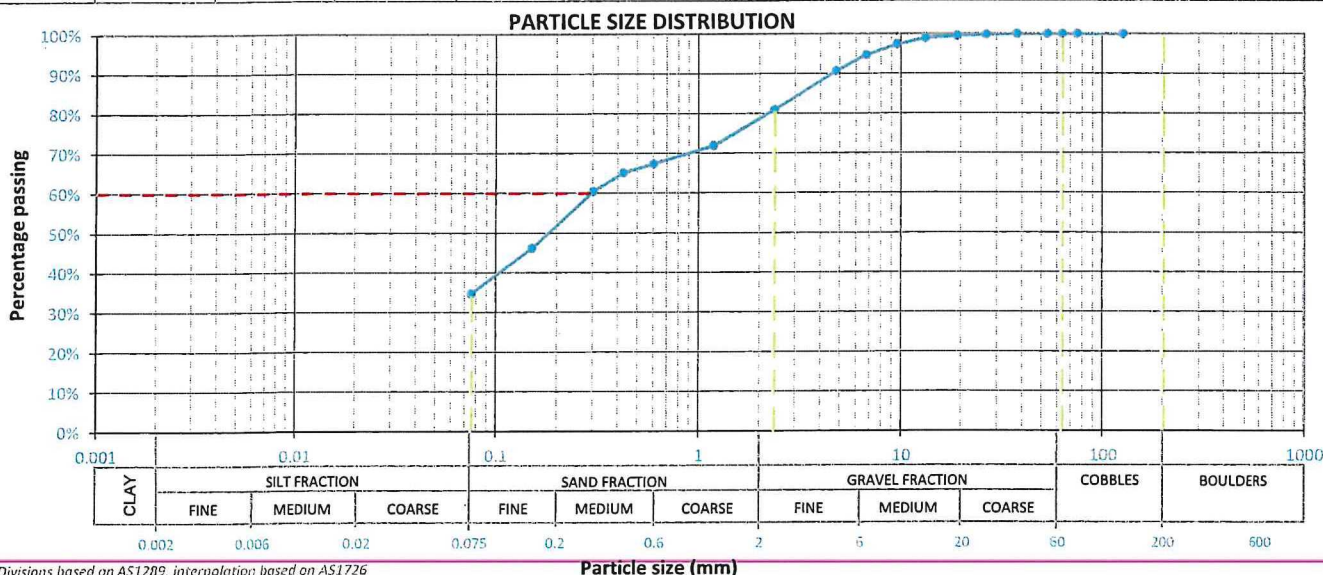


Test request #:	TRP19-0043	Lab sample ID:	LPER2019022743	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client:	Shire of Wiluna			
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19023710_1	
Project name:	Shire of Wiluna Runway	Exploratory Hole	PD11 - SG	Sample depth (m): 0.30 - 0.50 Client sample ref:

Location:	Wiluna, Western Australia	Project reference:	
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Specimen description:	(CL) Sandy CLAY with gravel, low plasticity, red brown, fine to coarse grained sand, fine to medium grained gravel	Sampling co-ordinates	Reduced Level
		Easting (m)	Northing (m)

PARTICLE SIZE DISTRIBUTION				AS 1289.3.6.1				AS 1289.3.4.1			
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1		
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking	
75 mm	100%										
63 mm	100%										
53 mm	100%										
37.5 mm	100%										
26.5 mm	100%										
19 mm	100%										
13.2 mm	99%										
9.5 mm	97%										
6.7 mm	95%										
4.75 mm	91%										
2.36 mm	81%										
1.18 mm	72%										
600 μm	67%										
425 μm	65%										
300 μm	60%										
150 μm	46%										
75 μm	35%										
Result:					8.3% As Rcvd.	20%	12%	8%	5.0%	None	
LB S:										-	
UB S:										-	
Att. preparation method:					Dry sieved			LSM length (mm):		125	
Specimen history/notes:				Preparation of specimen and testing performed on sample supplied to the laboratory							
Definitions:					LB S = Lower bound specification		N/A = Not applicable				
					LSM = Linear shrinkage mould		ND = Not determined; SIB = Slip in bowl				
					UB S = Upper bound specification		NO = Not obtainable; NP = Non plastic				
GRADING SUMMARY											
Fines		Sand*		Gravel*		Cobbles*					
(<75 μm)		(>75 μm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)					
34.7%		46.2%		19.0%		0.0%					
Proportions based on guidance in AS1726-2017 Section 6.1.4.2											



Testing performed by:		RT	Results reviewed by:		SWai	Date reported:		13/03/2019
Cert. ref.:	18113648_PD11 - SG_TRP19-0043_PSD_19022743_Rep023710_1					Approved signatory:		
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing							
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Soils testing - Determination of the dry density moisture relationship

Modified compaction method

AS 1289.5.2.1-2017

**GOLDER**

Test request ID:	TRP19-0043	Lab sample ID:	LPER2019022743	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client:	Shire of Wiluna			
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19024041	
Project name:	Shire of Wiluna Runway	Exploratory Hole	PD11 - SG	Sample depth (m): 0.30 - 0.50
Location:	Wiluna, Western Australia	Project reference:		Client sample ref:

Specimen description:
(Based on visual and tactile assessment)

(CL) Sandy CLAY with gravel, low plasticity, red brown, fine to coarse grained sand, fine to medium grained gravel

Sampling co-ordinates
Easting (m) Northing (m) Reduced Level

Curing compliance:

Liquid Limit

Material type

Measured: 20%

Assumed:

Adopted: 20%

Moisture content: 8.6%
Field AS 1289 2.1.1-2005

Cohesive

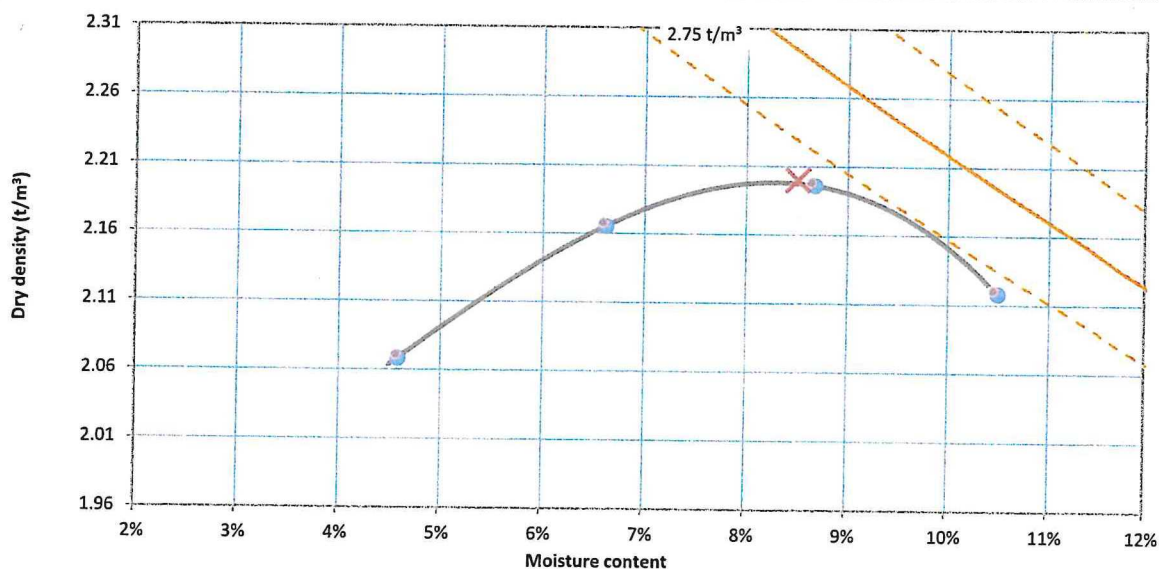
Curing times are compliant

Cure: 145.25 hrs

Portion test performed on: -19 mm

TEST REPORT - COMPACTION RESULTS

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass) *Denotes value adjusted for oversize material +19 mm: 0% +37.5 mm: 0% <i>Oversize material was discarded</i>
Dry density (t/m ³):	2.12 2.12*	2.20 2.20*	2.17 2.17*	2.07 2.07*			
Moisture content:	10.5% 10.4%*	8.7% 8.6%*	6.6% 6.6%*	4.6% 4.6%*			



Notes:

Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
2.20	2.20
8.5%	8.5%

Specimens prepared by:

SW

Tests performed by:

SL

Date tested: 14/03/2019

Definition: ND = Not Determined

Results reviewed by:

SLenihan

Date reported: 26/03/2019

Cert. ref.: 18113648_PD11 - SG_TRP19-0043_ModComp_s19022743_Rep19024041

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth
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This test was carried out in accordance with AS 1289.5.2.1-2003.

Rep AS1289.5.2.1-2017 - RL14

Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014



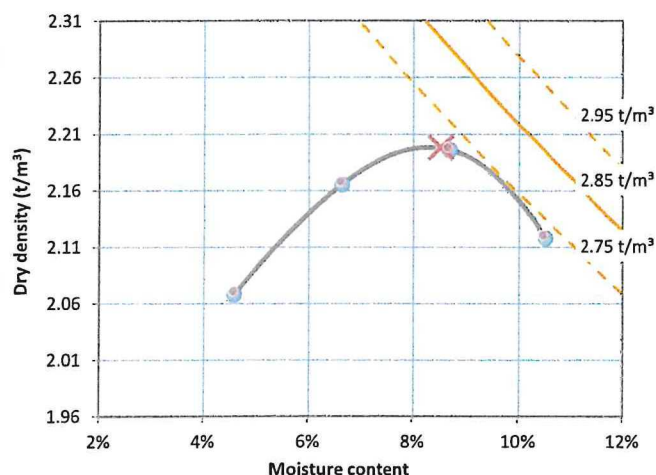
Test request #:	TRP19-0043	Lab sample ID:	LPER2019022743	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY		
Client address:	70 Wotton Street, Wiluna 6646	84 Guthrie Street, Osborne Park, Western Australia 6017		
Project ID:	18113648	Lab report ref.:	LPER_19024050	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD11 - SG	Sample depth (m): 0.30 - 0.50 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description:	(CL) Sandy CLAY with gravel, low plasticity, red brown, fine to coarse grained (Based on visual and tactile assessment) sand, fine to medium grained gravel			Sampled by: Test date: 25/03/19

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

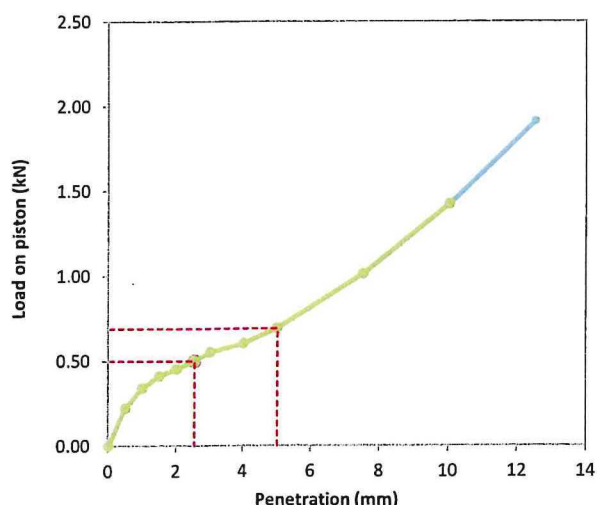
Initial moisture content:	8.6%	As rcvd.
Compaction method:	AS1289.5.2.1-2017	Modified
Maximum dry density (t/m ³):	2.20	
Optimum moisture content:	8.5%	
Oversize material (>19mm):	-	
Compaction moisture content:	8.7%	

Note on compaction:

No oversize material was retained on the 19mm sieve

Notes on test:**SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	
Load (kN)	Original	0.00	0.22	0.34	0.41	0.45	0.50	0.55	0.60	0.69	1.01	1.42	1.91	
	Corrected	0.00	0.22	0.34	0.41	0.45	0.50	0.55	0.60	0.69	1.01	1.42		



Dry density t/m ³	before soaking:	2.06
	after soaking:	2.06
Density ratio	before soaking:	94.0%
	after soaking:	93.5%
Moisture ratio at compaction:		102.0%
Duration of soaking (days):		4
Surcharge applied (kg):		6.8
Moisture content top 30mm:		12.5%
Moisture content remainder:		12.2%
Swell after soaking:		NIL
Bearing ratio at 2.5mm penetration:		3.8%
Bearing ratio at 5.0mm penetration:		3.5%

Penetration (mm) 2.5 CBR Value 4.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD11_SG_TRP19-0043_CBR_19022743_Rep-19024050

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

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Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Unsoaked)

AS 1289.6.1.1-2014

**GOLDER**

Test request #:	TRP19-0043	Lab sample ID:	LPER201903190	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY		
Client address:	70 Wotton Street, Wiluna 6646	84 Guthrie Street, Osborne Park, Western Australia 6017		
Project ID:	18113648	Lab report ref.:	LPER_19024056	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD11 - SG	Sample depth (m): 0.00
Location:	Wiluna, Western Australia	Project reference:		Client sample ref.:
Specimen description:	(CL) Sandy CLAY with gravel, low plasticity, red brown, fine to coarse grained (Based on visual and tactile assessment) sand, fine to medium grained gravel			Sampled by:
				Sampled type: BDS

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

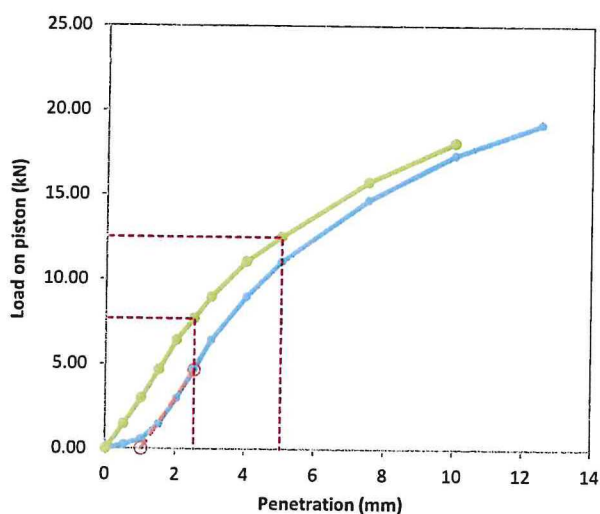
Initial moisture content:	8.3% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m^3):	2.20
Optimum moisture content:	8.5%
Oversize material (>19mm):	0.0%
Compaction moisture content:	8.7%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**Notes on compaction test****SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	1.0mm
Load	Original	0.00	0.25	0.56	1.45	2.97	4.64	6.40	8.95	11.04	14.69	17.35	19.17	
(kN)	Corrected	0.00	1.45	2.97	4.64	6.40	7.68	8.95	11.04	12.50	15.75	18.08		



Dry density t/m^3	2.06
Density ratio	94.0%
Moisture ratio at compaction:	102.0%
Surcharge applied (kg):	6.8
CBR test type:	Unsoaked
Moisture content:	8.7%
Bearing ratio at 2.5mm penetration:	58.1%
Bearing ratio at 5.0mm penetration:	63.1%

Penetration (mm) 5.0 CBR Value 60.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SW

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD11 - SG_TRP19-0043_CBRU_1903190_Rep-19024056

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

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This test was carried out in accordance with AS 1289.6.1.1-2014.

Rep AS1289.6.1.1 - 2014 No Comp RL9

Soils testing - Particle size distribution & consistency limits test report

Standard method (by sieving)

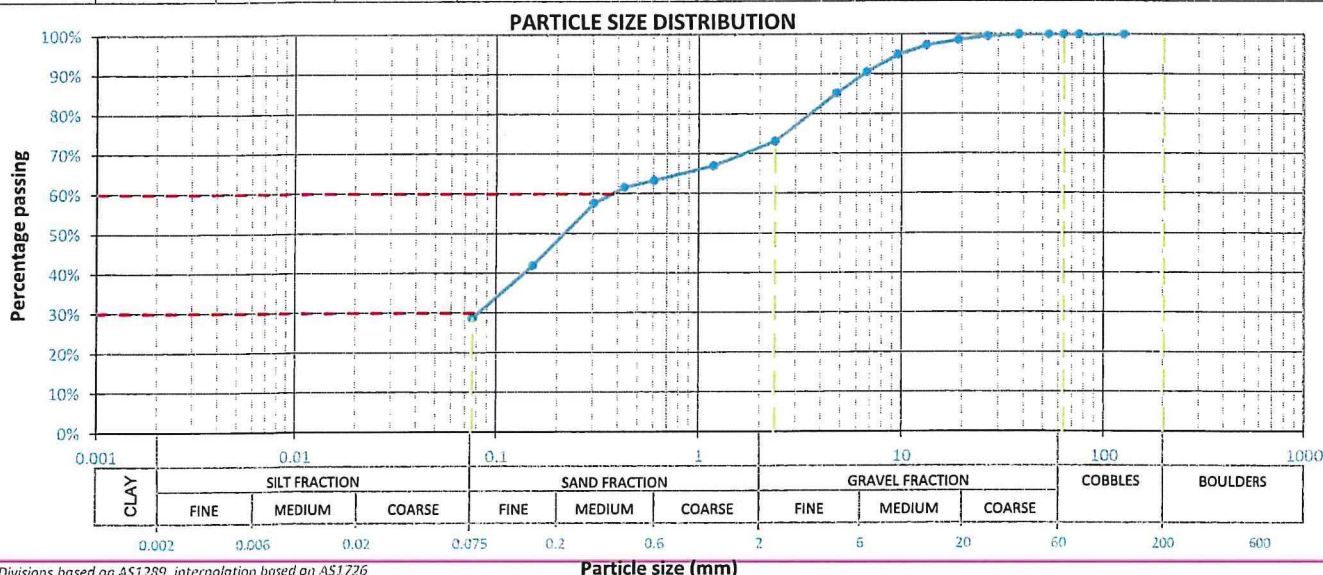
AS1289.3.6.1, 2.1.1, 3.1.2, 3.2.1, 3.3.1 & 3.4.1



GOLDER

Test request #:	TRP19-0043	Lab sample ID:	LPER2019022745	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client:	Shire of Wiluna			
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19023711_1	
Project name:	Shire of Wiluna Runway	Exploratory Hole	PD12 - SG	Sample depth (m): 0.30 - 0.35 Client sample ref:
Location:	Wiluna, Western Australia	Project reference:		

Specimen description:				Sampling co-ordinates					Reduced Level			
				Easting (m)		Northing (m)						
{SC} Clayey SAND with gravel, fine to coarse grained, red brown, low plasticity, fine to coarse grained gravel												
PARTICLE SIZE DISTRIBUTION AS 1289.3.6.1												
Sieve Size	Passing	LB S	UB S	Method:	AS 1289.2.1.1	AS 1289.3.1.2	AS 1289.3.2.1	AS 1289.3.3.1	AS 1289.3.4.1			
125 mm	100%				Moisture content	1 point Liquid limit	Plastic limit	Plasticity index	Linear shrinkage	Curling/ Crumbling/ Cracking		
75 mm	100%											
63 mm	100%											
53 mm	100%					Result:	8.5% As Rcvd.	20%	11%	9%	4.0%	None
37.5 mm	100%					LB S:						-
26.5 mm	100%					UB S:						-
19 mm	99%					Att. preparation method:		Dry sieved		LSM length (mm):		125
13.2 mm	97%					Specimen history/notes:	Preparation of specimen and testing performed on sample supplied to the laboratory					
9.5 mm	95%					Definitions:		LB S = Lower bound specification LSM = Linear shrinkage mould UB S = Upper bound specification		N/A = Not applicable ND = Not determined; SIB = Slip in bowl NO = Not obtainable; NP = Non plastic		
6.7 mm	90%					GRADING SUMMARY						
4.75 mm	85%					Fines	Sand*		Gravel*		Cobbles*	
2.36 mm	73%					(<75 µm)	(>75 µm - <2.36 mm)		(>2.36 mm - <63 mm)		(>63mm - <200 mm)	
1.18 mm	67%					28.7%	44.4%		26.9%		0.0%	
600 µm	63%					Proportions based on guidance in AS1726-2017 Section 6.1.4.2						
425 µm	62%											
300 µm	58%											
150 µm	42%											
75 µm	29%											



Testing performed by:		RT	Results reviewed by:		SWai	Date reported:		13/03/2019
Cert. ref.:	18113648_PD12 - SG_TRP19-0043_PSD_19022745_Rep023711_1					Approved signatory:		
	NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing							
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Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014



Test request #:	TRP19-0043	Lab sample ID:	LPER201903142	Golder Associates Pty Ltd	
Client:	Shire of Wiluna			PERTH GEOTECHNICAL LABORATORY	
Client address:	70 Wotton Street, Wiluna 6646			84 Guthrie Street, Osborne Park, Western Australia 6017	
Project ID:	18113648	Lab report ref.:	LPER_19024046		
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD07 & PD05 - SG	Sample depth (m):	0.30 - 0.25
Location:	Wiluna, Western Australia			Client sample ref.:	
Specimen description:	Clayey SAND, trace of gravel, red brown (Based on visual and tactile assessment)			Sampled by:	
				Test date:	25/03/19

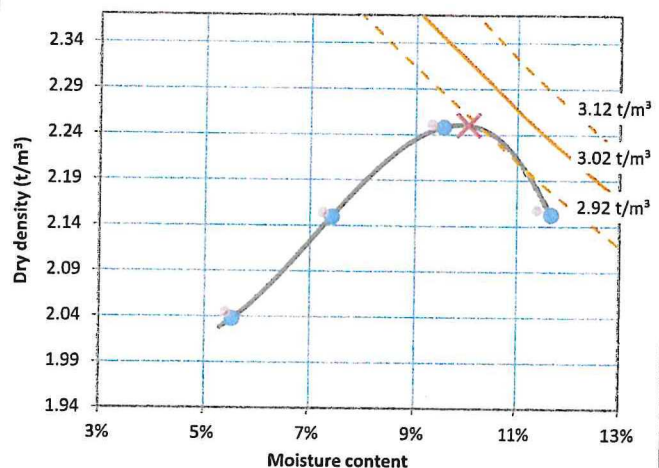
SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

Initial moisture content:	9.5%	As rcvd.
Compaction method:	AS1289.5.2.1-2017	Modified
Maximum dry density (t/m ³):	2.25	
Optimum moisture content:	10.0%	
Oversize material (>19mm):	2.0%	
Compaction moisture content:	9.8%	

Note on compaction:

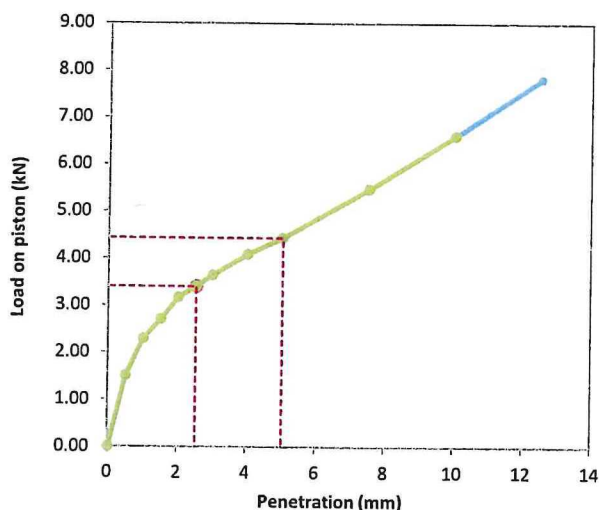
Oversize material has been excluded from the test

Notes on test:



SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	
Load (kN)	Original	0.00	1.50	2.29	2.70	3.17	3.40	3.64	4.08	4.43	5.47	6.60	7.82	
	Corrected	0.00	1.50	2.29	2.70	3.17	3.40	3.64	4.08	4.43	5.47	6.60		



Dry density t/m ³	before soaking:	2.12
	after soaking	2.12
Density ratio	before soaking	94.0%
	after soaking	94.0%
Moisture ratio at compaction:		98.0%
Duration of soaking (days):		4
Surcharge applied (kg):		6.7
Moisture content top 30mm:		13.8%
Moisture content remainder:		11.2%
Swell after soaking:		NIL
Bearing ratio at 2.5mm penetration:		25.8%
Bearing ratio at 5.0mm penetration:		22.4%

Penetration (mm) 2.5 CBR Value 25.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD07 & PD05 - SG_TRP19-0043_CBR_1903142_Rep-19024046

Approved signatory:



NATA accreditation number: 1961 - Site:1598 - Perth

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Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014

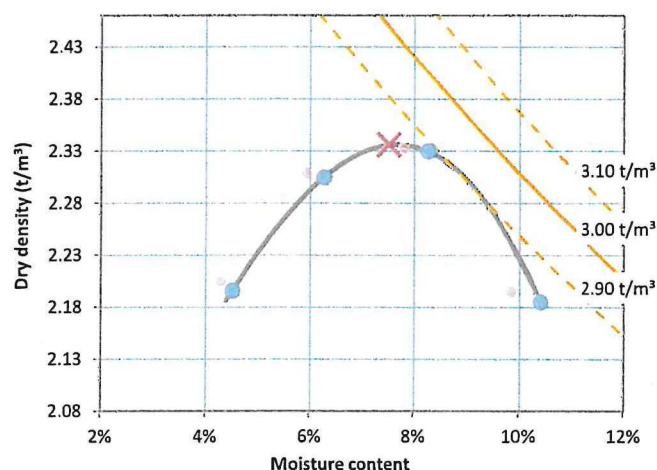
Test request #:	TRP19-0043	Lab sample ID:	LPER201903140	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY		
Client address:	70 Wotton Street, Wiluna 6646	84 Guthrie Street, Osborne Park, Western Australia 6017		
Project ID:	18113648	Lab report ref.:	LPER_19024042	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD04 & PD10 - SG	Sample depth (m): 0.45 - 0.40 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description:	Clayey/Silty GRAVEL with sand, red brown (Based on visual and tactile assessment)			Sampled by: Test date: 25/03/19

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

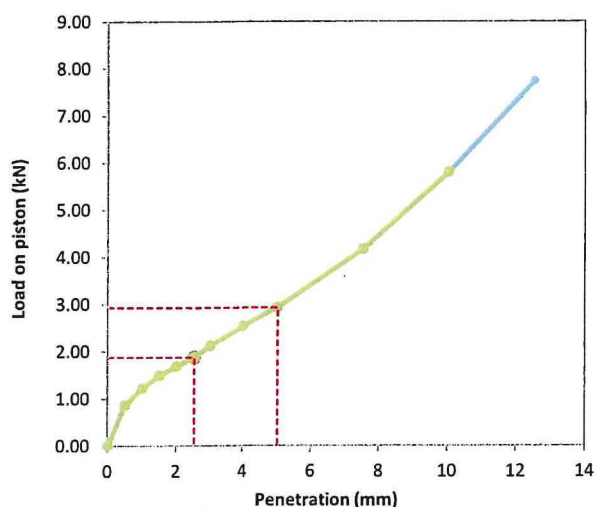
Initial moisture content:	8.2% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m^3):	2.34
Optimum moisture content:	7.5%
Oversize material (>19mm):	5.0%
Compaction moisture content:	7.9%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	
Load (kN)	Original	0.00	0.86	1.22	1.49	1.68	1.88	2.12	2.53	2.93	4.16	5.80	7.74	
	Corrected	0.00	0.86	1.22	1.49	1.68	1.88	2.12	2.53	2.93	4.16	5.80		



Dry density t/m^3	before soaking:	2.19
	after soaking:	2.19
Density ratio	before soaking:	93.5%
	after soaking:	93.5%
Moisture ratio at compaction:		105.5%
Duration of soaking (days):		4
Surcharge applied (kg):		6.8
Moisture content top 30mm:		10.3%
Moisture content remainder:		10.0%
Swell after soaking:		NIL
Bearing ratio at 2.5mm penetration:		14.2%
Bearing ratio at 5.0mm penetration:		14.8%

Penetration (mm) 5.0 CBR Value 15.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD04 & PD10 - SG_TRP19-0043_CBR_1903140_Rep 19024042

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

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Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Unsoaked)

AS 1289.6.1.1-2014

**GOLDER**

Test request #:	TRP19-0043	Lab sample ID:	LPER201903144	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017		
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19024052	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD04 & PD10 - SG	Sample depth (m): 0.45 - 0.40 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description: (Based on visual and tactile assessment)	Clayey/Silty GRAVEL with sand, red brown			Sampled by: Sampled type: BDS

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

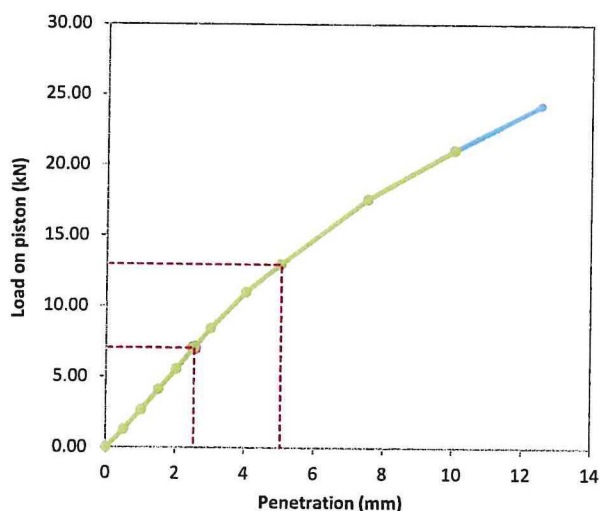
Initial moisture content:	8.3% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m ³):	2.34
Optimum moisture content:	7.5%
Oversize material (>19mm):	5.0%
Compaction moisture content:	7.9%

Note on compaction:

Oversize material has been recombined

Notes on test:**Notes on compaction test****SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):		0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	
Load (kN)	Original	0.00	1.26	2.64	4.10	5.54	7.04	8.42	10.97	12.97	17.59	21.06	24.25		
	Corrected	0.00	1.26	2.64	4.10	5.54	7.04	8.42	10.97	12.97	17.59	21.06			



Dry density t/m ³	2.19
Density ratio	-
Moisture ratio at compaction:	-
Surcharge applied (kg):	6.8
CBR test type:	Unsoaked
Moisture content:	7.9%
Bearing ratio at 2.5mm penetration:	53.3%
Bearing ratio at 5.0mm penetration:	65.5%

Penetration (mm) 5.0 CBR Value 70.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SW

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.:	18113648_PD04 & PD10 - SG_TRP19-0043_CBRU_1903144_Rep-19024052	Approved signatory:
	NATA accreditation number: 1961 - Site:1598 - Perth	
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Soils testing - Determination of the dry density moisture relationship

Modified compaction method

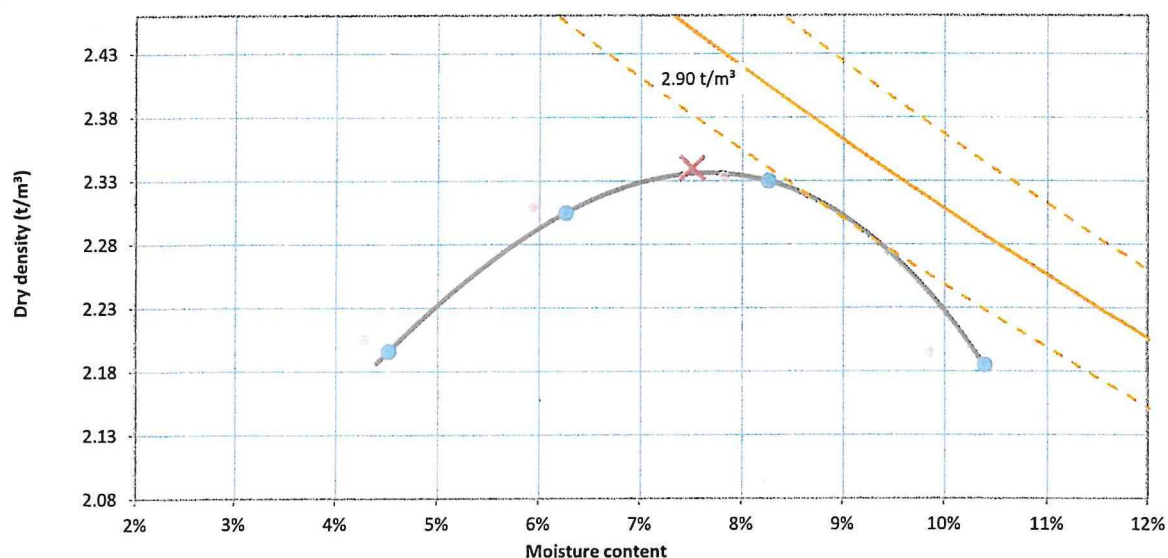
AS 1289.5.2.1-2017



Test request ID: TRP19-0043	Lab sample ID: LPER201903140	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19024035	
Project name: Shire of Wiluna Runway	Exploratory Hole PD04 & PD10 - SG	Sample depth (m): 0.45 - 0.40 Client sample ref:
Location: Wiluna, Western Australia	Project reference:	
Specimen description: (Based on visual and tactile assessment) Clayey/Silty GRAVEL with sand, red brown	Sampling co-ordinates Easting (m) Northing (m) Reduced Level	
Curing compliance:	Liquid Limit	Moisture content: 8.2% Field AS 1289 2.1.1-2005
Material type	Measured: Assumed: 18% Adopted: 18%	
Cohesive	Curing times are compliant Cure: 98.42 hrs	Portion test performed on: -19 mm

TEST REPORT - COMPACTION RESULTS

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass) *Denotes value adjusted for oversize material +19 mm: 5% +37.5 mm: 0% <i>Oversize material was discarded</i>
Dry density (t/m ³):	2.20 2.20*	2.30 2.31*	2.33 2.33*	2.18 2.19*			
Moisture content:	4.5% 4.3%*	6.3% 5.9%*	8.3% 7.8%*	10.4% 9.8%*			



Notes:

Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
2.34	2.34
7.5%	7.5%

Specimens prepared by: **SW** Tests performed by: **SW** Date tested: **18/03/2019**
Definition: ND = Not Determined Results reviewed by: **SWai** Date reported: **26/03/2019**

Cert. ref.: 18113648_PD04 & PD10_SG_TRP19-0043_ModComp_s1903140_Rep19024035	Approved signatory:
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing THIS DOCUMENT SHALL ONLY BE REPRODUCED IN FULL	Sean Lenihan - Laboratory Technician

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E-mail: perthlab@golder.com.au

Web: www.golder.com.au

Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Unsoaked)

AS 1289.6.1.1-2014

**GOLDER**

Test request #:	TRP19-0043	Lab sample ID:	LPER201903146	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017		
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19024054	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD07 & PD05 - SG	Sample depth (m): 0.30 - 0.25 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description: (Based on visual and tactile assessment)	Clayey SAND, trace of gravel, red brown			Sampled by: Sampled type: BDS

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

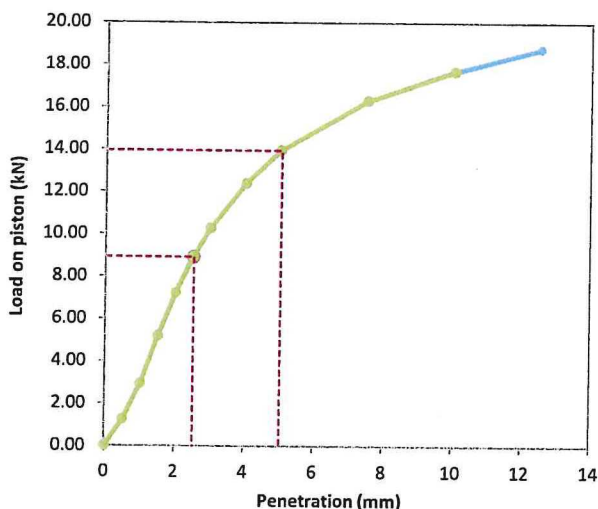
Initial moisture content:	9.9% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m ³):	2.25
Optimum moisture content:	10.0%
Oversize material (>19mm):	2.0%
Compaction moisture content:	9.6%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**Notes on compaction test****SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	
Load	Original	0.00	1.24	2.92	5.17	7.21	8.91	10.26	12.38	13.94	16.31	17.68	18.77	
(kN)	Corrected	0.00	1.24	2.92	5.17	7.21	8.91	10.26	12.38	13.94	16.31	17.68		



Dry density t/m ³	2.12
Density ratio	94.5%
Moisture ratio at compaction:	96.5%
Surcharge applied (kg):	6.7
CBR test type:	Unsoaked
Moisture content:	9.6%
Bearing ratio at 2.5mm penetration:	67.5%
Bearing ratio at 5.0mm penetration:	70.4%

Penetration (mm) 5.0 CBR Value 70.0%

Definitions: Specimen prepared by: SW Test performed by: SW
ND = Not determined Results reviewed by: SWai Date reported: 26-Mar-19

Cert. ref.:	18113648_PD07 & PD05 - SG_TRP19-0043_CBRU_1903146_Rep-19024054	Approved signatory:
	NATA accreditation number: 1961 - Site:1598 - Perth	
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Web: www.golder.com.au

This test was carried out in accordance with AS 1289.6.1.1-2014.

Rep AS1289.6.1.1 - 2014 No Comp RL9

Soils testing - Determination of the dry density moisture relationship

Modified compaction method

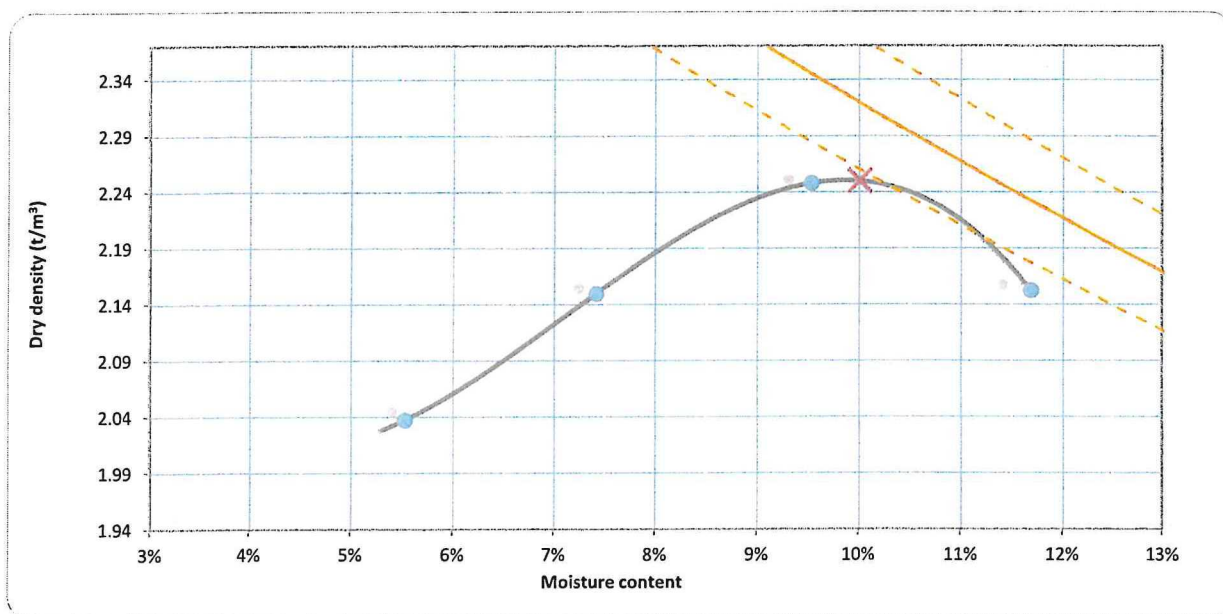
AS 1289.5.2.1-2017



Test request ID: TRP19-0043		Lab sample ID: LPER201903142		Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017	
Client: Shire of Wiluna					
Client address: 70 Wotton Street, Wiluna 6646					
Project ID: 18113648		Lab report ref.: LPER_19024039		Sample depth (m): 0.30 - 0.25 Client sample ref:	
Project name: Shire of Wiluna Runway		Exploratory Hole PD07 & PD05 - SG			
Location: Wiluna, Western Australia		Project reference: -			
Specimen description: (Based on visual and tactile assessment) Clayey SAND, trace of gravel, red brown				Sampling co-ordinates Easting (m) Northing (m) Reduced Level	
Curing compliance:		Liquid Limit		Moisture content: 9.5% <small>AS 1289 2.1.1-2005</small>	
Material type	Measured:	Assumed: 20%	Adopted: 20%	Field	
Cohesive	Curing times are compliant		Cure: 99.08 hrs	Portion test performed on: -19 mm	

TEST REPORT - COMPACTION RESULTS

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass) *Denotes value adjusted for oversize material +19 mm: 2% +37.5 mm: 1% <i>Oversize material was discarded</i>
Dry density (t/m ³):	2.04 2.04*	2.15 2.15*	2.25 2.25*	2.15 2.16*			
Moisture content:	5.5% 5.4%*	7.4% 7.2%*	9.5% 9.3%*	11.7% 11.4%*			



Notes:

Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
2.25	2.25
10.0%	9.5%

Specimens prepared by: **SW** Tests performed by: **SW** Date tested: **18/03/2019**
 Definition: ND = Not Determined Results reviewed by: **SWai** Date reported: **26/03/2019**

Cert. ref.: 18113648_PD07 & PD05 - SG TRP19-0043 ModComp s1903142 Rep19024039		Approved signatory:
NATA accreditation number: 1961 - Site:1598 - Perth Accredited for compliance with ISO/IEC 17025 - Testing THIS DOCUMENT SHALL ONLY BE REPRODUCED IN FULL		Sean Lenihan - Laboratory Technician
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Web: www.golder.com.au		

Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014

**GOLDER**

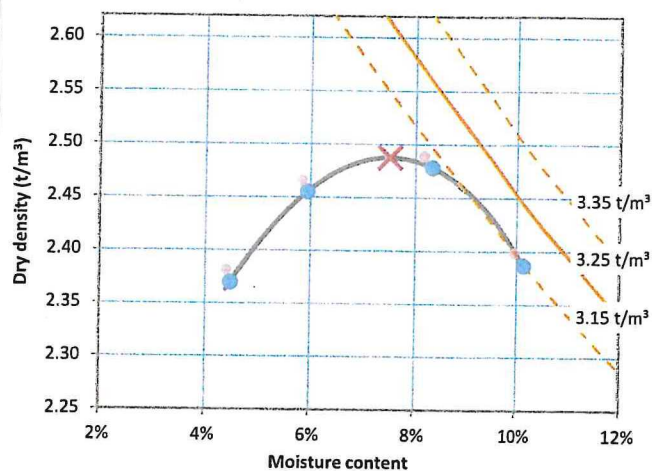
Test request #:	TRP19-0043	Lab sample ID:	LPER201903211	Golder Associates Pty Ltd	
Client:	Shire of Wiluna			PERTH GEOTECHNICAL LABORATORY	
Client address:	70 Wotton Street, Wiluna 6646			84 Guthrie Street, Osborne Park, Western Australia 6017	
Project ID:	18113648	Lab report ref.:	LPER_19024073		
Lab project name:	Shire of Wiluna Runway		Exploratory Hole	Sample depth (m):	0.00
			PD06 & PD10 - BC	Client sample ref.:	
Location:	Wiluna, Western Australia		Project reference:		
Specimen description:	Clayey GRAVEL with sand, red brown (Based on visual and tactile assessment)			Sampled by:	
				Test date:	26/03/19

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

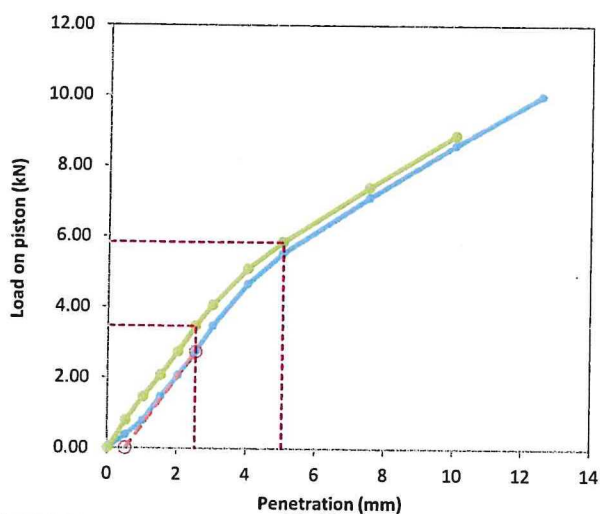
Initial moisture content:	5.9% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m ³):	2.49
Optimum moisture content:	7.5%
Oversize material (>19mm):	2.0%
Compaction moisture content:	7.1%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	0.5mm
Load (kN)	Original	0.00	0.37	0.78	1.45	2.06	2.73	3.46	4.65	5.52	7.11	8.60	10.00	
	Corrected	0.00	0.78	1.45	2.06	2.73	3.46	4.06	5.09	5.84	7.41	8.88		



Dry density t/m ³	before soaking:	2.44
	after soaking:	2.45
Density ratio	before soaking:	98.5%
	after soaking:	98.5%
Moisture ratio at compaction:		95.0%
Duration of soaking (days):		4
Surcharge applied (kg):		0.0
Moisture content top 30mm:		8.2%
Moisture content remainder:		9.4%
Swell after soaking:		0.0%
Bearing ratio at 2.5mm penetration:		26.2%
Bearing ratio at 5.0mm penetration:		29.5%

Penetration (mm) 5.0 CBR Value 30.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

27-Mar-19

Cert. ref.: 18113648_PD06 & PD10 - BC_TRP19-0043_CBR_1903211_Rep-19024073

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

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This test was carried out in accordance with AS 1289.6.1.1-2014.

Rep AS1289.6.1.1 - 2014 RL31

Soils testing - Determination of the dry density moisture relationship

Modified compaction method

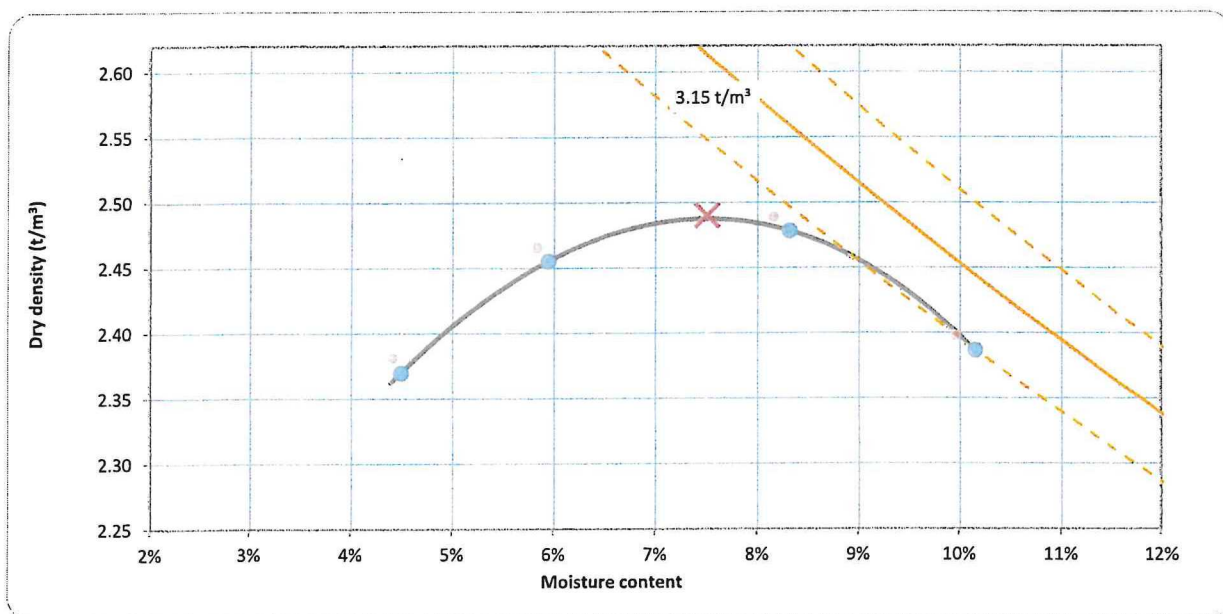
AS 1289.5.2.1-2017



Test request ID: TRP19-0043	Lab sample ID: LPER201903211	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19024037	
Project name: Shire of Wiluna Runway	Exploratory Hole PD06 & PD10 - BC	Sample depth (m): 0.00 Client sample ref:
Location: Wiluna, Western Australia	Project reference:	
Specimen description: (Based on visual and tactile assessment)	Clayey GRAVEL, with sand, red brown	Sampling co-ordinates Easting (m) Northing (m) Reduced Level
Curing compliance:	Liquid Limit	Moisture content: 5.9% Field AS 1289 2.1.1-2005
Material type	Measured: Assumed: 23% Adopted: 23%	
Cohesive	Curing times are compliant Cure: 74.33 hrs	Portion test performed on: -19 mm

TEST REPORT - COMPACTION RESULTS

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass) *Denotes value adjusted for oversize material +19 mm: 2% +37.5 mm: 0% <i>Oversize material was discarded</i>
Dry density (t/m ³):	2.39 2.40*	2.37 2.38*	2.46 2.47*	2.48 2.49*			
Moisture content:	10.2% 10.0%*	4.5% 4.4%*	5.9% 5.8%*	8.3% 8.2%*			



Notes:

Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
2.49	2.50
7.5%	7.5%

Specimens prepared by: **AA** Tests performed by: **AA** Date tested: **21/03/2019**
Definition: ND = Not Determined Results reviewed by: **SWai** Date reported: **26/03/2019**

Cert. ref.: 18113648_PD06 & PD10 - BC_TRP19-0043_ModComp_s1903211_Rep19024037	Approved signatory:
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Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014

**GOLDER**

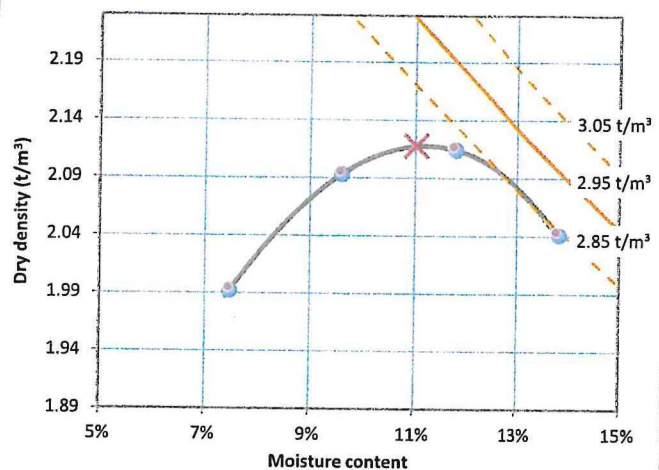
Test request #:	TRP19-0043	Lab sample ID:	LPER201903141	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017		
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19024044	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD06 & PD11 - SG	Sample depth (m): 0.48 - 0.25 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description: (Based on visual and tactile assessment)	Sandy CLAY with gravel, red brown.			Sampled by: Test date: 25/03/19

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

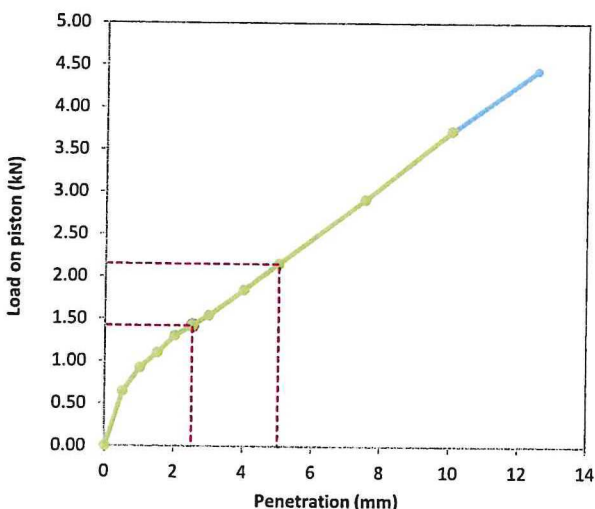
Initial moisture content:	11.7% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m^3):	2.12
Optimum moisture content:	11.0%
Oversize material (>19mm):	-
Compaction moisture content:	11.5%

Note on compaction:

No oversize material was retained on the 19mm sieve

Notes on test:**SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:
Load (kN)	Original	0.00	0.64	0.92	1.10	1.30	1.42	1.54	1.84	2.15	2.91	3.72	4.44
	Corrected	0.00	0.64	0.92	1.10	1.30	1.42	1.54	1.84	2.15	2.91	3.72	



Dry density t/m^3	before soaking:	1.98
	after soaking:	1.98
Density ratio	before soaking:	93.5%
	after soaking:	93.5%
Moisture ratio at compaction:		104.5%
Duration of soaking (days):		4
Surcharge applied (kg):		6.7
Moisture content top 30mm:		14.5%
Moisture content remainder:		14.3%
Swell after soaking:		NIL
Bearing ratio at 2.5mm penetration:		10.8%
Bearing ratio at 5.0mm penetration:		10.9%

Penetration (mm) 5.0 CBR Value 11.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD06 & PD11 - SG_TRP19-0043_CBR_1903141_Rep-19024044

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

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This test was carried out in accordance with AS 1289.6.1.1-2014.

Rep AS1289.6.1.1 - 2014 RL31

Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Unsoaked)

AS 1289.6.1.1-2014



Test request #:	TRP19-0043	Lab sample ID:	LPER201903145	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY		
Client address:	70 Wotton Street, Wiluna 6646	84 Guthrie Street, Osborne Park, Western Australia 6017		
Project ID:	18113648	Lab report ref.:	LPER_19024053	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD06 & PD11 - SG	Sample depth (m): 0.48 - 0.25 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description:	Sandy CLAY with gravel, red brown (Based on visual and tactile assessment)			Sampled by: Sampled type: BDS

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

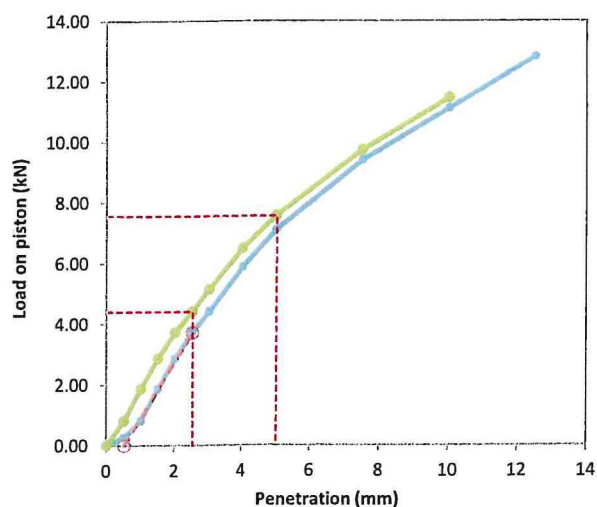
Initial moisture content:	11.8% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m^3):	2.12
Optimum moisture content:	11.0%
Oversize material (>19mm):	0.0%
Compaction moisture content:	11.4%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**Notes on compaction test****SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):		0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	0.5mm
Load (kN)	Original	0.00	0.27	0.82	1.87	2.87	3.72	4.41	5.87	7.10	9.40	11.12	12.82		
	Corrected	0.00	0.82	1.87	2.87	3.72	4.41	5.14	6.49	7.56	9.74	11.46			



Dry density t/m^3	1.98
Density ratio	93.5%
Moisture ratio at compaction:	104.0%
Surcharge applied (kg):	6.7
CBR test type:	Unsoaked
Moisture content:	11.4%
Bearing ratio at 2.5mm penetration:	33.4%
Bearing ratio at 5.0mm penetration:	38.2%

Penetration (mm) 5.0 CBR Value 40.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SW

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD06 & PD11 - SG_TRP19-0043_CBRU_1903145_Rep-19024053

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

Accredited for compliance with ISO/IEC 17025 - Testing

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Soils testing - Determination of the dry density moisture relationship

Modified compaction method

AS 1289.5.2.1-2017

**GOLDER**Test request ID: **TRP19-0043**Lab sample ID: **LPER201903141**Client: **Shire of Wiluna**Client address: **70 Wotton Street, Wiluna 6646**Project ID: **18113648**Lab report ref.: **LPER_19024038**

Golder Associates Pty Ltd

PERTH GEOTECHNICAL LABORATORY

84 Guthrie Street,

Osborne Park,

Western Australia 6017

Project name: **Shire of Wiluna Runway**

Exploratory Hole

PD06 & PD11 - SG

Sample depth (m): **0.48 - 0.25**

Client sample ref:

Location: **Wiluna, Western Australia**

Project reference:

Specimen description:

(Based on visual and tactile assessment)

Sandy CLAY with gravel, red brown

Sampling co-ordinates

Easting (m)

Northing (m)

Reduced

Level

Curing compliance:**Liquid Limit**

Material type

Measured:

Assumed: **26%**Adopted: **26%**Moisture content: **11.7%**

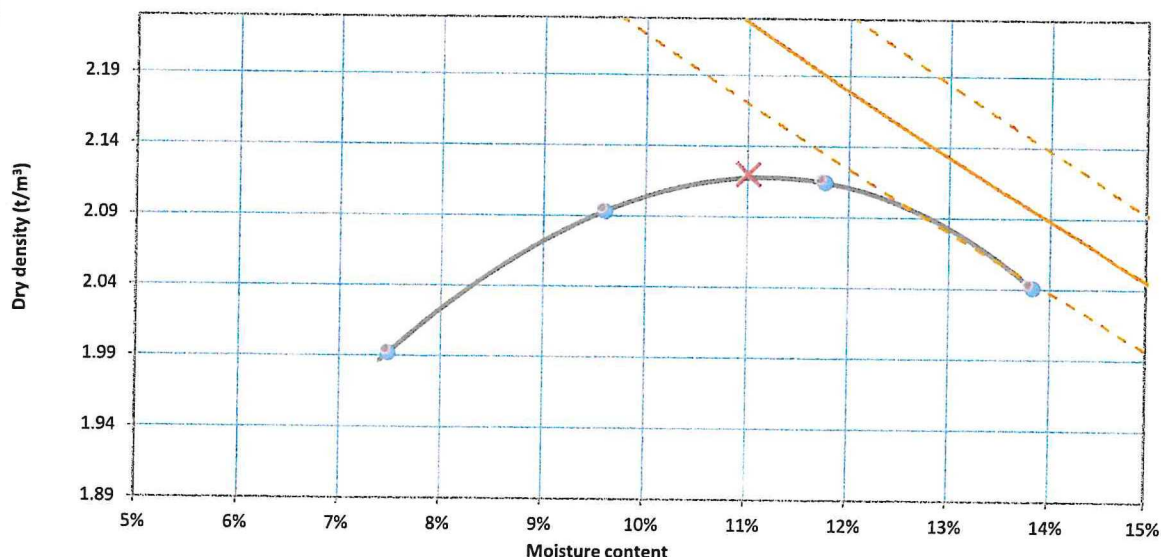
AS 1289 2.1.1-2005

Cohesive

Curing times are compliant

Cure: **171.17 hrs**Portion test performed on: **-19 mm****TEST REPORT - COMPACTION RESULTS**

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass) *Denotes value adjusted for oversize material +19 mm: 0% +37.5 mm: 0% <i>Oversize material was discarded</i>
Dry density (t/m ³):	1.99 1.99*	2.09 2.10*	2.11 2.12*	2.04 2.04*			
Moisture content:	7.5% 7.5%*	9.6% 9.6%*	11.8% 11.7%*	13.8% 13.8%*			

**Notes:**Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
2.12	2.12
11.0%	11.0%

Specimens prepared by:

SW

Tests performed by:

SW

Date tested: **19/03/2019**

Definition: ND = Not Determined

Results reviewed by:

SWai

Date reported: **26/03/2019**Cert. ref.: **18113648_PD06 & PD11 - SG_TRP19-0043_ModComp_s1903141_Rep19024038**

Approved signatory:

NATA accreditation number: **1961 - Site:1598 - Perth**

Accredited for compliance with ISO/IEC 17025 - Testing

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E-mail: perthlab@golder.com.auWeb: www.golder.com.au

This test was carried out in accordance with AS 1289.5.2.1-2003 with the exception of the following clauses: 4(d).

Rep AS1289.5.2.1-2017 - RL14

Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Soaked)

AS 1289.6.1.1-2014



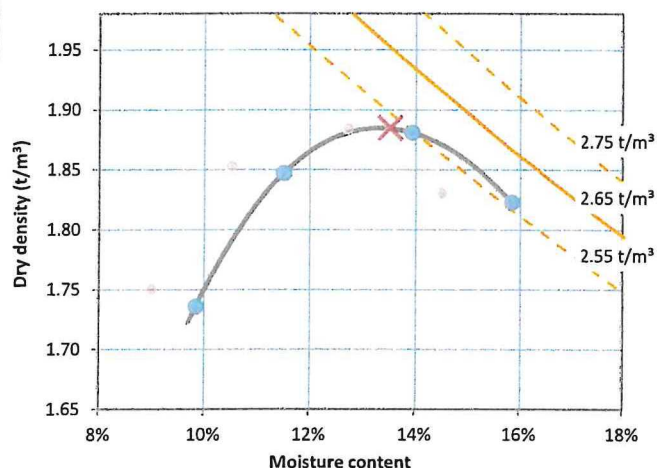
Test request #:	TRP19-0043	Lab sample ID:	LPER201903143	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY		
Client address:	70 Wotton Street, Wiluna 6646	84 Guthrie Street, Osborne Park, Western Australia 6017		
Project ID:	18113648	Lab report ref.:	LPER_19024048	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD08 & PD09 - SG	Sample depth (m): 0.30 - 0.25 Client sample ref.:
Location:	Wiluna, Western Australia	Project reference:		
Specimen description:	GRAVEL with silt, with sand, red brown (Based on visual and tactile assessment)			Sampled by: Test date: 25/03/19

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

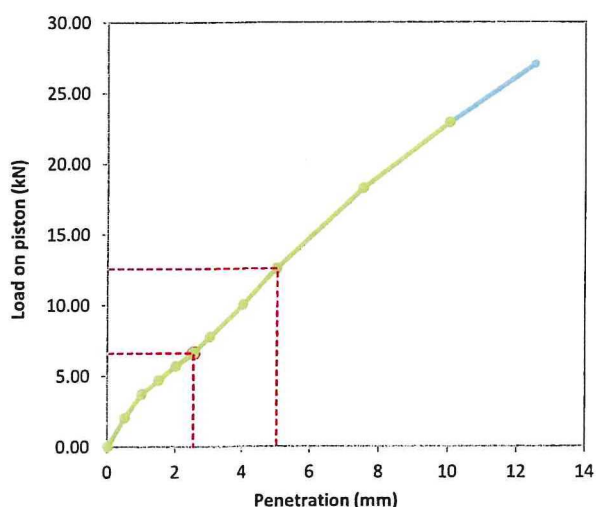
Initial moisture content:	11.6% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m^3):	1.88
Optimum moisture content:	13.5%
Oversize material (>19mm):	8.0%
Compaction moisture content:	13.0%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	
Load (kN)	Original	0.00	2.04	3.72	4.69	5.68	6.62	7.73	10.02	12.58	18.23	22.88	27.03	
	Corrected	0.00	2.04	3.72	4.69	5.68	6.62	7.73	10.02	12.58	18.23	22.88		



Dry density t/m^3	before soaking:	1.78
	after soaking:	1.78
Density ratio	before soaking:	94.5%
	after soaking:	94.5%
Moisture ratio at compaction:		96.0%
Duration of soaking (days):		4
Surcharge applied (kg):		6.8
Moisture content top 30mm:		16.1%
Moisture content remainder:		19.5%
Swell after soaking:		NIL
Bearing ratio at 2.5mm penetration:		50.2%
Bearing ratio at 5.0mm penetration:		63.5%

Penetration (mm) 5.0 CBR Value 60.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SL

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD08 & PD09_SG_TRP19-0043_CBR_1903143_Rep-19024048

Approved signatory:



NATA accreditation number: 1961 - Site:1598 - Perth

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Soils testing - Determination of the California Bearing Ratio of a soil

Standard laboratory method for a remoulded specimen (Unsoaked)

AS 1289.6.1.1-2014

**GOLDER**

Test request #:	TRP19-0043	Lab sample ID:	LPER201903147	Golder Associates Pty Ltd
Client:	Shire of Wiluna	PERTH GEOTECHNICAL LABORATORY		
Client address:	70 Wotton Street, Wiluna 6646	84 Guthrie Street, Osborne Park, Western Australia 6017		
Project ID:	18113648	Lab report ref.:	LPER_19024055	
Lab project name:	Shire of Wiluna Runway	Exploratory Hole	PD08 & PD09 - SG	Sample depth (m): 0.30 - 0.25
Location:	Wiluna, Western Australia	Project reference:		Client sample ref.:
Specimen description: (Based on visual and tactile assessment)	GRAVEL with silt, with sand, red brown			Sampled by:
				Sampled type: BDS

SPECIMEN PREPARATION - SUMMARY OF COMPACTION AND MOISTURE CONTENT TEST RESULTS

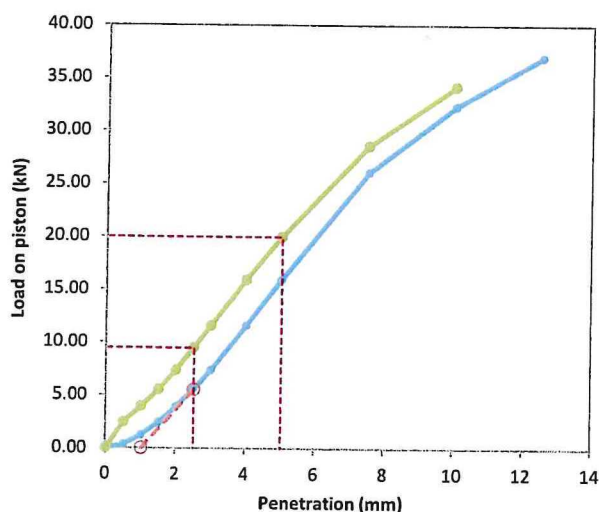
Initial moisture content:	12.4% As rcvd.
Compaction method:	AS1289.5.2.1-2017 Modified
Maximum dry density (t/m ³):	1.89
Optimum moisture content:	13.5%
Oversize material (>19mm):	8.0%
Compaction moisture content:	13.1%

Note on compaction:

Oversize material has been excluded from the test

Notes on test:**Notes on compaction test****SUMMARY OF CALIFORNIA BEARING RATIO TEST RESULT**

Penetration (mm):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	12.5	Correction:	1.0mm
Load	Original	0.00	0.32	1.20	2.43	3.92	5.53	7.36	11.57	15.88	26.05	32.32	36.97	
(kN)	Corrected	0.00	2.43	3.92	5.53	7.36	9.47	11.57	15.88	19.95	28.56	34.18		



Dry density t/m ³	1.78
Density ratio	94.5%
Moisture ratio at compaction:	97.0%
Surcharge applied (kg):	6.8
CBR test type:	Unsoaked
Moisture content:	13.1%
Bearing ratio at 2.5mm penetration:	71.7%
Bearing ratio at 5.0mm penetration:	100.7%

Penetration (mm) 5.0 CBR Value 100.0%

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:

SW

Results reviewed by:

SWai

Date reported:

26-Mar-19

Cert. ref.: 18113648_PD08 & PD09 - SG_TRP19-0043_CBRU_1903147_Rep-19024055

Approved signatory:

NATA accreditation number: 1961 - Site:1598 - Perth

Accredited for compliance with ISO/IEC 17025 - Testing

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Web:

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This test was carried out in accordance with AS 1289.6.1.1-2014.

Rep AS1289.6.1.1 - 2014 No Comp RL9

Soils testing - Determination of the dry density moisture relationship

Modified compaction method

AS 1289.5.2.1-2017



Test request ID: TRP19-0043	Lab sample ID: LPER201903143	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client: Shire of Wiluna		
Client address: 70 Wotton Street, Wiluna 6646		
Project ID: 18113648	Lab report ref.: LPER_19024040	
Project name: Shire of Wiluna Runway	Exploratory Hole PD08 & PD09 - SG	Sample depth (m): 0.30 - 0.25 Client sample ref:

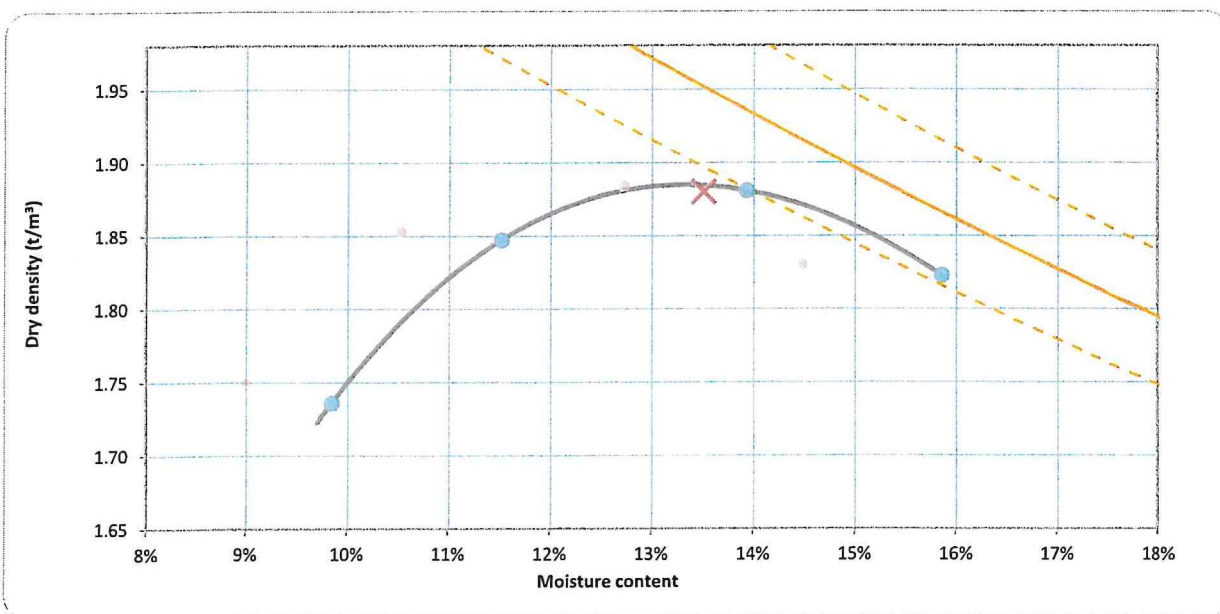
Location: Wiluna, Western Australia	Project reference:
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Specimen description: (Based on visual and tactile assessment)	GRAVEL, with silt, with sand, red brown	Sampling co-ordinates Easting (m) Northing (m) Reduced Level
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Curing compliance:	Liquid Limit	Moisture content: 11.6% Field
Material type	Measured: Assumed: 20% Adopted: 20%	AS 1289 2.1.1-2005
Cohesive	Curing times are compliant Cure: 99.5 hrs	Portion test performed on: -19 mm

TEST REPORT - COMPACTION RESULTS

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Oversize material - (by dry mass)
Dry density (t/m ³):	1.74 1.75*	1.85 1.85*	1.88 1.88*	1.82 1.83*			*Denotes value adjusted for oversize material +19 mm: 7% +37.5 mm: 1% <i>Oversize material was discarded</i>
Moisture content:	9.8% 9.0%*	11.5% 10.5%*	13.9% 12.7%*	15.9% 14.5%*			



Notes:

Modified maximum dry density (t/m³):

Modified optimum moisture content:

Result	Adjusted for oversize
1.88	1.89
13.5%	12.0%

Specimens prepared by: SW	Tests performed by: SW	Date tested: 18/03/2019
Definition: ND = Not Determined	Results reviewed by: SWai	Date reported: 26/03/2019

Cert. ref.: 18113648_PD08 & PD09 - SG_TRP19-0043_ModComp_s1903143_Rep19024040	Approved signatory:
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Web: www.golder.com.au

Soils testing - Determination of the moisture content of soil

Oven drying method (standard method)

AS 1289.2.1.1-2005



Test request ID:	TRP19-0043	Lab sample IDs:	1903140-9022736	Golder Associates Pty Ltd PERTH GEOTECHNICAL LABORATORY 84 Guthrie Street, Osborne Park, Western Australia 6017
Client:	Shire of Wiluna			
Client address:	70 Wotton Street, Wiluna 6646			
Project ID:	18113648	Lab report ref.:	LPER_19023966	

Project name: Shire of Wiluna Runway

Location: Wiluna, Western Australia

Project reference:

TEST REPORT - SUMMARY OF ANALYSIS

Lab sample ID	Exploratory hole reference	Sample depth (m)	Specimen reference	Specimen description (Based on visual and tactile assessment)	Moisture content
LPER2019022724	PD01 - BC	0.03		Clayey/Silty SAND with gravel, red brown	7.0%
		0.30			As Rcvd.
LPER2019022725	PD02 - BC	0.03		Clayey/Silty SAND with gravel, red brown	8.5%
		0.30			As Rcvd.
LPER2019022726	PD02 - SG	0.30		(SC-SM) Clayey/Silty SAND with gravel, fine to coarse grained, red brown, fine to coarse grained gravel	9.4%
		0.50			As Rcvd.
LPER2019022727	PD03 - BC	0.03		Clayey/Silty SAND with gravel, red brown	7.9%
		0.25			As Rcvd.
LPER2019022728	PD04 - BC	0.20		Clayey/Silty GRAVEL with sand, red brown	6.7%
		0.25			As Rcvd.
LPER2019022729	PD04 - SG	0.40		(GC-GM) Clayey/Silty GRAVEL with sand, fine to coarse grained, red brown, fine to coarse grained sand	8.2%
		0.45			As Rcvd.
LPER201903140	PD04 & PD10 - SG	0.45		Clayey/Silty GRAVEL with sand, red brown	8.3%
		0.40			As Rcvd.
LPER2019022730	PD05 - BC	0.03		(SC-SM) Clayey/Silty SAND with gravel, fine to coarse grained, red brown, fine to medium grained gravel	8.5%
		0.20			As Rcvd.
LPER2019022731	PD05 - SG	0.25		(SC) Clayey SAND, trace of gravel, fine to coarse grained, red brown, low plasticity, fine to medium grained gravel	8.4%
		0.35			As Rcvd.
LPER2019022732	PD06 - BC	0.03		(GC) Clayey GRAVEL with sand, fine to coarse grained, red brown, low plasticity, fine to coarse grained sand	4.4%
		0.20			As Rcvd.
LPER2019022733	PD06 - SG	0.25		(CL) Sandy CLAY with gravel, low plasticity, red brown, fine to coarse grained sand, fine to medium grained gravel	4.2%
		0.48			As Rcvd.
LPER201903211	PD06 & PD10 - BC	0.00		Clayey GRAVEL with sand, red brown	6.2%
		0.26			As Rcvd.
LPER201903141	PD06 & PD11 - SG	0.48		Sandy CLAY with gravel, red brown	11.8%
		0.25			As Rcvd.
LPER2019022734	PD07 - BC	0.03		(SM) Silty SAND with gravel, fine to coarse grained, red brown, fine to medium grained gravel	12.2%
		0.20			As Rcvd.
LPER2019022735	PD07 - SG	0.25		(SC) Clayey SAND with gravel, fine to coarse grained, red brown, low plasticity, fine to coarse grained gravel	5.9%
		0.30			As Rcvd.
LPER201903142	PD07 & PD05 - SG	0.30		Clayey SAND, trace of gravel, red brown	9.9%
		0.25			As Rcvd.
LPER2019022736	PD08 - BC	0.03		GRAVEL with clay/silt, with sand, red brown	6.5%
		0.20			As Rcvd.

Definitions:

ND = Not determined

Specimen prepared by:

SW

Test performed by:



SW

Result reviewed by:

SWai

Date reported:

22/03/2019

Cert. ref.: 18113648_TRP19-0043_SMC_1903140-9022736_LPER_19023966		Date Reported: 22/05/2019
	NATA accreditation number: 1961 - Site:1598 - Perth	Approved signatory: 
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AS 1289.2.1.1-2005



GOLDER

Golder Associates Pty Ltd
PERTH GEOTECHNICAL LABORATORY
84 Guthrie Street,
Osborne Park,
Western Australia 6017

Project name:	Shire of Wiluna Runway	Location:	Wiluna, Western Australia
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[illegible]

Definitions:	Specimen prepared by:	SW	Test performed by:	SW
ND = Not determined	Result reviewed by:	SWai	Date reported:	22/03/2019

Approved signatory:



NATA accreditation number: 1961 - Site:1598 - Perth
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Shannon Wai - Laboratory Technician

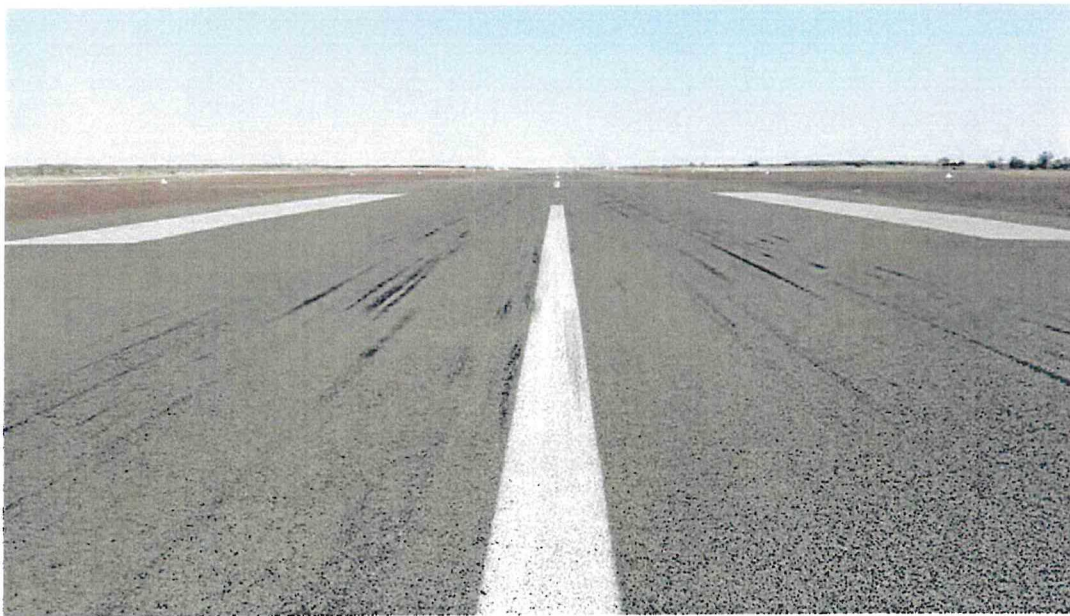
Web: www.golder.com.au

APPENDIX C

**Pavement Visual Assessment
Photos**



P01: CH 0 m facing northwest showing rutting near start of the runway.



P02: CH 460 m facing northwest showing rutting along the wheelpaths and stripping



P03: CH 920 m facing northwest showing stripping of seal.



P04: CH 1160 m facing northeast showing stripping of seal.



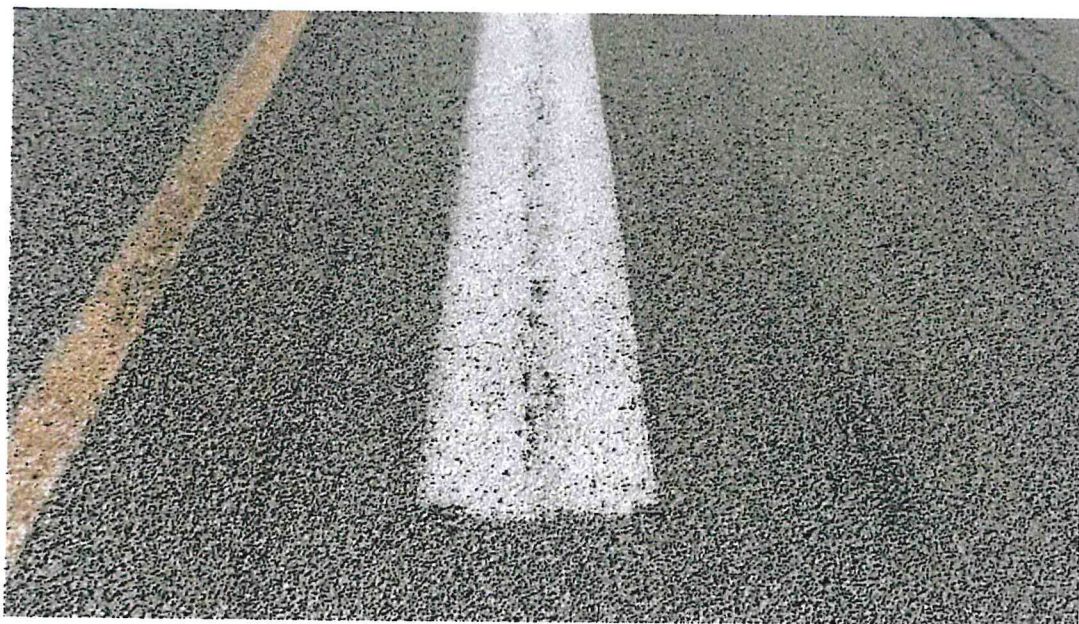
P05: CH 1250 m facing southeast showing patch with ravelling at joints.



P06: CH 1280 m facing northeast showing rutting, bleeding and stripping of seal.



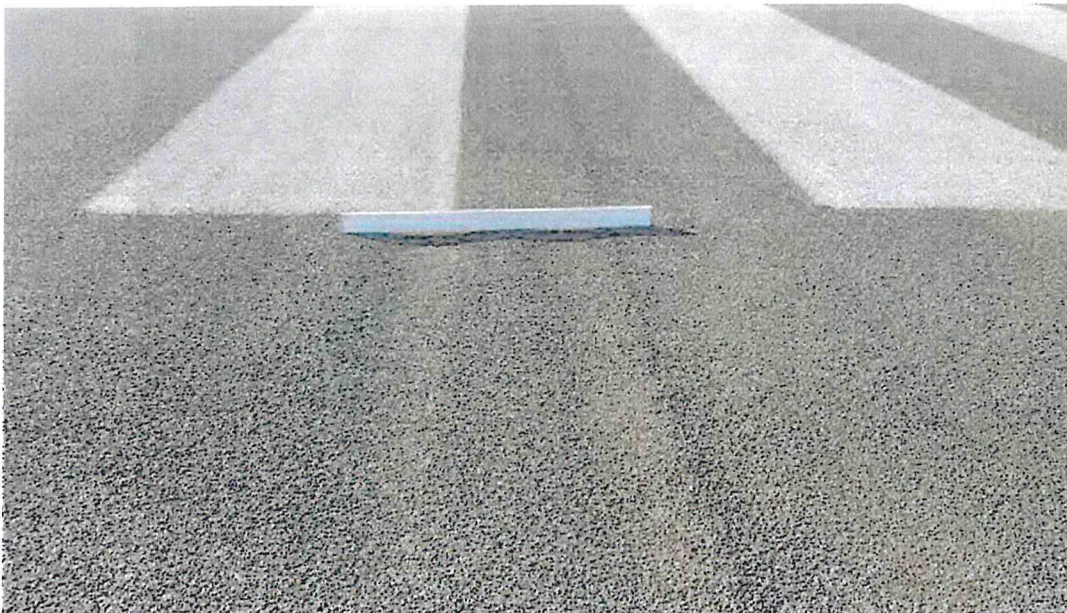
P07: CH 1360 km facing southeast showing stripping seal, rutting and bleeding.



P08: CH 1550 m facing southeast showing stripping of seal.



P09: CH 1620 m facing southeast showing rutting in wheelpaths and stripping of seal.



P10: CH 1800 m facing southeast showing rutting near end of the runway.



P11: CH 1430 km facing southeast showing rutting at the northern end of the taxiway.



P12: End of Taxiway facing West showing bleeding and rutting.



P13: Southeast corner of Apron facing north showing bleeding and rutting of apron and taxiway.



P14: Northwestern corner of the apron facing south showing rutting and flushing.



P15: Apron near shed, showing roughness of surface.

APPENDIX D

**Falling Weight Deflectometer
(FWD) Test Results**

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	+5m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
				688	406	271	200	117	63	32		
0.020	38.0	+5m	1194	824	524	368	276	192	124	62	0.692	0.284
0.060	38.0	+5m	1201	501	241	175	135	91	57	27	0.823	0.300
0.100	38.0	+5m	1205	590	371	294	226	146	88	47	0.499	0.259
0.140	41.9	+5m	1195	675	405	313	248	176	107	53	0.593	0.220
0.180	40.8	+5m	1196	578	363	268	217	125	67	25	0.677	0.271
0.220	40.8	+5m	1203	806	546	418	342	242	136	58	0.577	0.215
0.260	40.8	+5m	1196	799	471	356	262	158	88	42	0.809	0.261
0.300	40.8	+5m	1206	774	414	287	217	140	85	39	0.795	0.327
0.340	40.8	+5m	1196	466	266	197	160	112	72	41	0.776	0.361
0.380	40.8	+5m	1205	645	469	348	252	193	132	78	0.464	0.198
0.420	40.8	+5m	1191	574	336	239	191	128	86	50	0.649	0.177
0.460	40.8	+5m	1190	569	310	218	146	92	52	27	0.579	0.240
0.500	40.8	+5m	1187	608	284	185	119	76	49	37	0.575	0.261
0.540	41.8	+5m	1201	1048	496	308	220	140	84	41	0.607	0.324
0.580	41.8	+5m	1206	869	386	246	179	116	77	45	1.042	0.548
0.620	41.8	+5m	1203	513	220	156	126	92	62	38	0.866	0.481
0.660	41.8	+5m	1188	1320	649	369	232	121	52	20	0.518	0.296
0.700	41.8	+5m	1200								1.320	0.672



Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	+5m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)	
1200	

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.740	42.9	+5m	1199	1077	453	254	171	102	62	30	1.078	0.625
0.780	42.9	+5m	1209	1021	400	191	116	52	31	18	1.013	0.616
0.820	43.0	+5m	1193	930	464	261	161	81	39	14	0.936	0.469
0.860	44.0	+5m	1199	1529	649	330	191	70	24	14	1.530	0.881
0.900	44.0	+5m	1199	887	452	249	150	75	47	22	0.888	0.436
0.940	44.0	+5m	1200	828	351	205	139	91	68	49	0.828	0.477
0.980	44.0	+5m	1192	767	365	207	134	78	46	23	0.773	0.405
1.020	44.0	+5m	1207	550	257	178	135	101	80	57	0.546	0.291
1.060	44.0	+5m	1202	731	429	282	168	83	50	30	0.729	0.301
1.100	45.0	+5m	1200	1047	422	211	135	80	48	27	1.047	0.625
1.140	45.0	+5m	1195	760	256	139	108	82	59	31	0.763	0.506
1.180	45.0	+5m	1183	1166	505	229	124	56	25	17	1.183	0.671
1.220	45.0	+5m	1200	1412	673	450	292	132	43	12	1.412	0.739
1.260	44.3	+5m	1199	1307	554	339	226	124	66	30	1.308	0.753
1.300	44.3	+5m	1182	987	369	202	114	51	33	17	1.002	0.627
1.340	44.3	+5m	1205	1361	456	237	163	86	45	22	1.356	0.902
1.380	44.3	+5m	1182	1779	834	527	344	155	58	18	1.806	0.960
1.420	44.3	+5m	1177	1287	516	276	176	75	32	23	1.312	0.787

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	+5m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM
DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2			
Normalised to (kPa)			1200

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
1.460	44.0	+5m	1178	1144	611	247	133	50	31	19	1.166	0.543
1.500	44.4	+5m	1209	1231	573	335	219	112	59	35	1.222	0.653
1.540	44.4	+5m	1202	1252	537	303	183	92	50	28	1.250	0.714
1.580	44.4	+5m	1183	1290	553	290	189	116	76	37	1.309	0.748
1.620	44.4	+5m	1185	1125	435	237	143	82	49	25	1.139	0.699
1.660	45.2	+5m	1201	1008	390	221	140	78	41	22	1.007	0.618
1.700	45.2	+5m	1197	890	330	182	109	56	28	17	0.892	0.562
1.740	45.2	+5m	1201	1133	536	303	185	88	41	26	1.132	0.597
1.780	45.2	+5m	1206	1497	646	360	205	96	40	18	1.490	0.847
Mean			1197	952	448	272	184	107	61	32	0.955	0.505
SDEV			8	320	131	80	59	41	27	15	0.32	0.22
COVR, %			1	34	29	29	32	39	44	46	33.7	43.4
97.5 Percentile											1.526	

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	+10m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)	
1200	

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.000	45.2	+10m	1199	1339	706	482	352	223	137	61	1.340	0.634
0.040	45.5	+10m	1197	721	398	288	222	148	91	40	0.723	0.325
0.080	45.5	+10m	1217	968	531	371	264	145	77	37	0.954	0.431
0.120	45.5	+10m	1196	1113	456	276	176	99	53	24	1.117	0.659
0.160	45.5	+10m	1209	1184	526	328	220	137	86	47	1.175	0.653
0.200	45.5	+10m	1210	1422	609	337	208	125	70	34	1.410	0.806
0.240	46.1	+10m	1203	1546	639	342	190	89	69	41	1.543	0.905
0.280	46.1	+10m	1212	1299	711	499	346	210	124	53	1.286	0.582
0.321	46.1	+10m	1220	2074	1055	656	422	241	164	95	2.040	1.002
0.360	46.1	+10m	1205	1477	891	594	409	229	124	54	1.471	0.583
0.400	45.0	+10m	1187	1429	740	511	378	258	186	96	1.445	0.697
0.440	45.0	+10m	1194	1403	618	369	249	163	122	74	1.410	0.789
0.480	45.0	+10m	1200	1931	842	415	230	109	64	38	1.931	1.089
0.520	45.0	+10m	1189	1666	648	315	167	70	38	26	1.682	1.028
0.560	45.0	+10m	1194	1424	509	259	152	87	57	27	1.431	0.920
0.600	46.0	+10m	1197	1210	458	205	114	62	40	20	1.213	0.754
0.640	46.0	+10m	1189	1109	611	388	248	159	90	44	1.119	0.502
0.680	46.0	+10m	1201	1333	545	282	167	82	52	31	1.332	0.788

Client:	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	+10m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)
1200

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp't'r deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.720	46.0	+10m	1207	1124	516	224	114	45	26	14	1.117	0.604
0.760	46.0	+10m	1204	1257	545	299	180	85	48	27	1.253	0.710
0.800	46.0	+10m	1201	1156	427	230	144	78	49	30	1.155	0.728
0.840	46.0	+10m	1191	1184	461	235	134	67	44	36	1.193	0.728
0.880	46.0	+10m	1178	1296	548	295	169	72	34	20	1.320	0.762
0.920	46.0	+10m	1182	1254	521	301	195	115	68	45	1.273	0.745
0.960	46.0	+10m	1194	1094	432	261	128	79	61	39	1.100	0.666
1.000	46.0	+10m	1195	1315	670	276	149	59	29	28	1.320	0.648
1.040	46.0	+10m	1195	1916	691	206	72	20	43	39	1.924	1.230
1.080	47.0	+10m	1198	1172	440	201	97	49	39	25	1.174	0.733
1.120	47.0	+10m	1208	1187	335	153	89	62	47	32	1.179	0.847
1.160	47.0	+10m	1200	1121	334	205	149	100	54	20	1.121	0.787
1.200	47.0	+10m	1192	1182	534	290	185	95	54	27	1.190	0.652
1.240	47.0	+10m	1198	1283	682	342	201	91	43	31	1.285	0.602
1.280	47.0	+10m	1210	1551	657	383	222	85	28	10	1.538	0.886
1.320	47.5	+10m	1209	1537	619	309	175	66	39	28	1.525	0.911
1.360	47.5	+10m	1191	1385	602	355	230	109	55	31	1.396	0.789
1.400	47.5	+10m	1191	1167	532	285	174	84	52	34	1.175	0.639



Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	+10m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)	
1200	

DYNATEST FWD (E- 044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
1.440	47.5	+10m	1207	782	260	122	85	56	39	31	0.777	0.519
1.480	47.5	+10m	1203	1083	449	236	137	66	39	28	1.081	0.633
1.520	47.5	+10m	1217	1392	536	252	146	70	38	21	1.372	0.843
1.560	47.5	+10m	1209	1293	475	186	101	56	34	42	1.283	0.811
1.600	47.5	+10m	1200	1039	390	195	125	81	59	36	1.039	0.648
1.640	47.5	+10m	1198	1073	413	212	141	80	40	15	1.074	0.660
1.680	47.5	+10m	1208	899	355	199	145	91	54	19	0.893	0.540
1.720	47.5	+10m	1202	1145	435	238	148	79	45	33	1.143	0.709
1.760	47.5	+10m	1196	1573	601	281	157	70	48	40	1.579	0.976
1.800	47.5	+10m	1206	1564	726	324	192	107	83	45	1.556	0.834
Mean			1200	1297	558	305	189	103	64	36	1.297	0.739
SDEV			9	271	153	109	82	54	36	18	0.27	0.17
COVR, %			1	21	27	36	43	53	56	49	20.8	23.2
97.5 Percentile											1.930	

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)
1200

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp't'r deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.000	33.7	Cntr	1189	908	551	355	252	150	89	40	0.917	0.361
0.040	33.7	Cntr	1200	538	396	318	244	145	66	31	0.538	0.142
0.080	33.7	Cntr	1190	699	477	349	279	190	114	50	0.705	0.224
0.120	31.7	Cntr	1197	471	247	178	133	71	45	24	0.472	0.224
0.160	31.7	Cntr	1196	468	293	224	168	102	61	40	0.470	0.176
0.200	31.7	Cntr	1203	1297	545	282	178	100	63	34	1.294	0.750
0.240	31.7	Cntr	1194	1016	452	298	220	135	89	49	1.021	0.567
0.280	32.0	Cntr	1193	1169	467	279	178	95	63	30	1.176	0.707
0.320	32.4	Cntr	1195	536	263	188	144	85	51	26	0.538	0.274
0.360	32.4	Cntr	1193	540	315	250	205	156	98	56	0.544	0.227
0.400	32.4	Cntr	1195	473	293	231	188	135	71	31	0.475	0.180
0.440	32.4	Cntr	1194	439	256	196	152	97	62	33	0.442	0.185
0.480	32.4	Cntr	1186	645	360	289	232	160	98	51	0.653	0.288
0.520	32.4	Cntr	1201	409	218	158	124	82	50	29	0.409	0.191
0.560	32.4	Cntr	1190	470	277	209	175	132	99	65	0.473	0.195
0.600	32.4	Cntr	1186	419	221	155	117	70	48	29	0.424	0.201
0.640	32.4	Cntr	1207	435	240	166	113	68	46	32	0.432	0.194
0.680	32.4	Cntr	1198	505	279	196	150	101	65	34	0.506	0.227

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)	1200
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DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.720	32.4	Cntr	1188	445	205	140	108	74	48	22	0.450	0.243
0.760	33.5	Cntr	1193	566	281	169	109	57	28	34	0.569	0.286
0.800	33.5	Cntr	1178	527	196	147	122	77	66	56	0.536	0.336
0.840	33.5	Cntr	1182	622	263	184	138	77	42	24	0.632	0.365
0.880	33.5	Cntr	1186	512	276	195	144	77	45	27	0.518	0.238
0.920	33.5	Cntr	1194	359	213	166	127	73	53	34	0.361	0.147
0.960	34.4	Cntr	1187	407	225	171	132	88	63	43	0.412	0.184
1.001	34.4	Cntr	1190	413	181	124	94	73	48	26	0.416	0.234
1.040	34.4	Cntr	1178	574	319	211	183	119	81	42	0.585	0.260
1.080	35.0	Cntr	1184	543	252	170	123	77	53	34	0.551	0.295
1.120	35.0	Cntr	1171	1265	469	328	232	129	75	37	1.296	0.816
1.160	34.5	Cntr	1158	1246	531	278	164	88	60	36	1.292	0.741
1.200	34.5	Cntr	1155	1540	534	632	237	153	90	33	1.599	1.044
1.240	34.5	Cntr	1120	1904	714	360	170	60	42	25	2.040	1.275
1.280	34.5	Cntr	1167	1293	527	307	185	80	31	14	1.330	0.789
1.320	35.0	Cntr	1150	1232	444	262	157	72	35	25	1.285	0.822
1.360	35.0	Cntr	1163	1434	754	539	412	276	158	59	1.480	0.701
1.400	35.0	Cntr	1186	1036	560	245	100	42	27	16	1.048	0.482

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)
1200

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)								Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500			
1.440	36.2	Cntr	1180	1468	480	169	103	82	43	18	1.493	1.005	
1.480	36.2	Cntr	1179	1522	542	233	131	64	46	35	1.549	0.998	
1.520	36.2	Cntr	1188	1069	497	206	131	65	35	17	1.080	0.578	
1.579	36.2	Cntr	1194	655	316	221	162	106	64	30	0.658	0.341	
1.600	36.2	Cntr	1195	964	384	220	142	72	32	10	0.968	0.582	
1.640	36.2	Cntr	1188	1106	457	235	132	58	25	14	1.117	0.656	
1.680	36.2	Cntr	1200	992	444	236	136	58	26	15	0.992	0.549	
1.720	40.8	Cntr	1201	1124	583	348	236	136	76	31	1.123	0.541	
1.760	40.8	Cntr	1215	1521	630	296	161	72	34	21	1.502	0.880	
1.800	38.0	Cntr	1194	800	334	237	175	98	63	35	0.804	0.469	
Mean			1186	839	386	247	167	99	60	32	0.852	0.460	
SDEV			17	411	148	97	58	43	26	13	0.43	0.29	
COVR, %			1	49	38	39	35	43	44	39	50.1	63.8	
97.5 Percentile											1.593		

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	-5m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2		Normalised to (kPa)	1200
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Chainage (km)	Surface Temp't'r deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.020	47.5	-5m	1189	1070	687	493	377	240	135	60	1.080	0.386
0.060	47.5	-5m	1199	778	418	283	214	137	74	30	0.779	0.360
0.100	47.5	-5m	1189	670	310	218	158	121	75	41	0.676	0.364
0.140	47.5	-5m	1198	661	305	212	139	77	51	24	0.662	0.356
0.180	47.5	-5m	1194	683	454	343	268	176	102	48	0.686	0.230
0.220	47.5	-5m	1193	491	288	220	157	122	68	29	0.494	0.204
0.260	47.5	-5m	1189	594	328	247	186	121	53	21	0.599	0.268
0.300	48.0	-5m	1184	463	255	166	117	74	45	23	0.469	0.211
0.340	48.0	-5m	1187	976	594	406	278	176	108	49	0.986	0.386
0.380	48.0	-5m	1200	590	283	204	157	102	59	36	0.590	0.307
0.420	48.0	-5m	1200	683	340	220	151	103	73	48	0.683	0.343
0.460	48.0	-5m	1201	701	375	265	200	139	91	48	0.701	0.326
0.500	48.0	-5m	1214	743	381	266	193	122	73	41	0.734	0.358
0.540	48.0	-5m	1201	1145	626	393	285	188	120	71	1.144	0.519
0.580	48.0	-5m	1203	920	339	174	115	74	50	28	0.918	0.580
0.620	48.0	-5m	1186	599	256	153	98	52	34	25	0.606	0.347
0.660	50.0	-5m	1187	782	351	204	139	86	55	31	0.790	0.435
0.700	50.0	-5m	1208	1002	399	226	151	98	68	49	0.995	0.598

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	-5m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Normalised to (kPa)
1200

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.740	50.0	-5m	1202	1016	455	255	154	78	44	24	1.014	0.560
0.780	50.0	-5m	1205	1277	597	333	192	89	49	30	1.272	0.677
0.820	50.0	-5m	1203	1223	488	286	179	100	70	43	1.220	0.733
0.860	50.0	-5m	1196	1094	425	237	144	66	35	20	1.098	0.672
0.900	50.0	-5m	1202	1145	516	255	147	65	38	22	1.143	0.627
0.940	50.0	-5m	1196	846	348	198	118	68	51	38	0.848	0.500
0.980	50.0	-5m	1218	917	382	178	93	37	26	22	0.903	0.527
1.020	50.0	-5m	1194	671	254	158	123	90	71	53	0.674	0.419
1.060	50.0	-5m	1207	812	410	247	190	142	95	59	0.807	0.399
1.100	50.0	-5m	1196	1267	517	282	194	138	110	76	1.271	0.753
1.140	50.0	-5m	1188	1310	469	227	138	67	41	28	1.323	0.849
1.180	50.0	-5m	1212	1323	536	218	120	58	42	30	1.310	0.779
1.220	50.0	-5m	1200	1536	915	559	395	242	134	48	1.536	0.621
1.260	50.0	-5m	1190	1127	486	261	169	95	56	26	1.136	0.646
1.300	50.0	-5m	1214	1291	1234	302	182	78	33	18	1.276	0.056
1.340	50.0	-5m	1184	1221	598	359	228	108	53	27	1.238	0.632
1.380	50.0	-5m	1216	1619	553	254	140	59	25	11	1.598	1.052
1.420	50.0	-5m	1198	1604	541	278	165	80	37	19	1.607	1.065

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	MainRunwayCenter
Road Name:	Main Runway	Survey Date:	18th November 2016
Section / Lane:	-5m off Centre Line Northwest bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	40m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)	
1200	

DYNATEST FWD (E- 044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
1.460	50.0	-5m	1215	1063	481	280	174	87	40	23	1.050	0.574
1.500	50.0	-5m	1191	865	497	301	200	104	55	27	0.872	0.371
1.540	50.0	-5m	1206	1189	617	402	291	183	97	36	1.183	0.570
1.580	50.0	-5m	1198	947	455	251	161	94	62	36	0.949	0.494
1.620	50.0	-5m	1214	1138	341	145	79	42	31	23	1.125	0.788
1.660	50.0	-5m	1216	949	328	176	105	59	37	21	0.936	0.613
1.700	50.0	-5m	1204	832	408	244	167	91	45	19	0.829	0.422
1.740	50.0	-5m	1202	924	399	217	149	95	60	44	0.922	0.524
1.780	50.0	-5m	1199	714	313	212	144	80	45	21	0.714	0.401
Mean			1200	966	457	262	176	104	63	34	0.965	0.509
SDEV			9	289	178	86	67	47	28	15	0.29	0.21
COVR, %			1	30	39	33	38	45	45	43	29.8	41.5
97.5 Percentile											1.592	

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	Apron
Road Name:	Apron	Survey Date:	18th November 2016
Section / Lane:	Centre Line - Southeast Bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	15m
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
				1070	470	261	166	108	73	34		
0.000	50.0	Apron 0	1211	1070	470	261	166	108	73	34	1.060	0.595
0.015	50.0	Apron 0	1185	601	363	271	216	139	75	31	0.608	0.241
0.030	50.0	Apron 0	1199	1043	511	359	260	157	76	37	1.044	0.532
0.045	50.0	Apron 0	1210	1975	847	625	448	266	122	41	1.959	1.118
0.060	50.0	Apron 0	1198	1559	614	391	285	172	98	40	1.562	0.947
Mean			1201	1250	561	381	275	169	89	37	1.247	0.687
SDEV			11	529	184	147	107	60	21	4	0.52	0.35
COVR, %			1	42	33	38	39	35	24	10	41.9	50.7
97.5 Percentile											1.919	

Normalised to (kPa)
1200

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	Apron
Road Name:	Apron	Survey Date:	18th November 2016
Section / Lane:	Apron-L Southeast Bound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	Variable
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2		Normalised to (kPa)	1200
---	--	---------------------	------

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.008	50.0	Apron L	1190	1060	501	340	249	184	100	42	1.069	0.563
Mean			1190	1060	501	340	249	184	100	42	1.069	0.563
SDEV			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
COVR, %			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
97.5 Percentile											1.069	
90 Percentile											1.069	

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	Taxiway
Road Name:	Taxiway	Survey Date:	18th November 2016
Section / Lane:	Taxiway 0 Northeastbound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	20m
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
				931	423	238	148	74	43	22		
0.000	50.0	Cntr	1201	931	423	238	148	74	43	22	0.930	0.508
0.020	50.0	Cntr	1198	472	360	315	257	171	91	30	0.473	0.112
0.040	50.0	Cntr	1204	783	714	558	472	333	195	65	0.781	0.069
0.060	50.0	Cntr	1200	1066	689	556	400	223	90	19	1.066	0.378
0.080	50.0	Cntr	1179	1504	910	644	448	222	87	33	1.531	0.604
0.100	50.0	Cntr	1193	1885	966	515	309	122	52	26	1.896	0.924
Mean			1196	1107	677	471	339	191	93	32	1.113	0.432
SDEV			9	511	247	158	125	91	54	17	0.52	0.32
COVR, %			1	46	36	34	37	47	58	52	46.6	74.2
97.5 Percentile											1.850	

Normalised to (kPa)
1200

Client :	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	Taxiway
Road Name:	Taxiway	Survey Date:	18th November 2016
Section / Lane:	Taxiway Left Lane off Centre	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	20m
Prepared By:	BB	Checked By:	TM

Normalised to (kPa)	
1200	

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2

Chainage (km)	Surface Temp'tr deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.010	50.0	L.Cntr	1209	627	412	372	300	200	103	34	0.622	0.213
0.030	50.0	L.Cntr	1194	946	654	425	344	256	151	50	0.951	0.294
0.050	50.0	L.Cntr	1184	768	589	505	418	287	155	44	0.778	0.181
0.070	50.0	L.Cntr	1194	1152	896	764	635	414	210	61	1.158	0.257
0.090	50.0	L.Cntr	1198	1392	787	507	343	203	118	41	1.394	0.606
Mean			1196	977	668	514	408	272	147	46	0.981	0.310
SDEV			9	304	186	150	134	87	41	10	0.31	0.17
COVR, %			1	31	28	29	33	32	28	22	31.1	55.0
97.5 Percentile											1.370	

Client:	WML Consultants	Job No:	1010544
Project Name:	FWD Testing - Wiluna Aerodrome	File Name:	Taxiway
Road Name:	Taxiway	Survey Date:	18th November 2016
Section / Lane:	Taxiway R Lane off Centre Northeastbound	Tested By:	BB/RA
Surface Tested:	Seal	Testing Interval:	20m
Prepared By:	BB	Checked By:	TM

DYNATEST FWD (E-044) TEST RESULTS TO WA:326.2	Normalised to (kPa)
	1200

Chainage (km)	Surface Temp't'r deg °C	Lane	FWD Stress (kPa)	Geophone Location (mm) and Deflections (micron)							Deflection (mm)	Curvature (mm)
				0	200	300	400	600	900	1500		
0.010	50.0	R Cntr	1194	614	432	382	287	168	78	30	0.617	0.183
0.030	50.0	R Cntr	1195	635	460	407	337	226	132	46	0.637	0.175
0.050	50.0	R Cntr	1207	754	526	453	368	249	143	54	0.750	0.227
0.070	50.0	R Cntr	1202	1559	1042	769	586	322	134	32	1.556	0.516
0.090	50.0	R Cntr	1198	969	495	363	274	175	95	33	0.971	0.475
Mean			1199	906	591	475	370	228	116	39	0.906	0.315
SDEV			5	391	255	168	126	62	28	11	0.39	0.17
COVR, %			0	43	43	35	34	27	24	27	43.0	52.7
97.5 Percentile											1.498	

APPENDIX E

Important Information

The document ("Report") to which this page is attached and which this page forms a part of, has been issued by Golder Associates Pty Ltd ("Golder") subject to the important limitations and other qualifications set out below.

This Report constitutes or is part of services ("Services") provided by Golder to its client ("Client") under and subject to a contract between Golder and its Client ("Contract"). The contents of this page are not intended to and do not alter Golder's obligations (including any limits on those obligations) to its Client under the Contract.

This Report is provided for use solely by Golder's Client and persons acting on the Client's behalf, such as its professional advisers. Golder is responsible only to its Client for this Report. Golder has no responsibility to any other person who relies or makes decisions based upon this Report or who makes any other use of this Report. Golder accepts no responsibility for any loss or damage suffered by any person other than its Client as a result of any reliance upon any part of this Report, decisions made based upon this Report or any other use of it.

This Report has been prepared in the context of the circumstances and purposes referred to in, or derived from, the Contract and Golder accepts no responsibility for use of the Report, in whole or in part, in any other context or circumstance or for any other purpose.

The scope of Golder's Services and the period of time they relate to are determined by the Contract and are subject to restrictions and limitations set out in the Contract. If a service or other work is not expressly referred to in this Report, do not assume that it has been provided or performed. If a matter is not addressed in this Report, do not assume that any determination has been made by Golder in regards to it.

At any location relevant to the Services conditions may exist which were not detected by Golder, in particular due to the specific scope of the investigation Golder has been engaged to undertake. Conditions can only be verified at the exact location of any tests undertaken. Variations in conditions may occur between tested locations and there may be conditions which have not been revealed by the investigation and which have not therefore been taken into account in this Report.

Golder accepts no responsibility for and makes no representation as to the accuracy or completeness of the information provided to it by or on behalf of the Client or sourced from any third party. Golder has assumed that such information is correct unless otherwise stated and no responsibility is accepted by Golder for incomplete or inaccurate data supplied by its Client or any other person for whom Golder is not responsible. Golder has not taken account of matters that may have existed when the Report was prepared but which were only later disclosed to Golder.

Having regard to the matters referred to in the previous paragraphs on this page in particular, carrying out the Services has allowed Golder to form no more than an opinion as to the actual conditions at any relevant location. That opinion is necessarily constrained by the extent of the information collected by Golder or otherwise made available to Golder. Further, the passage of time may affect the accuracy, applicability or usefulness of the opinions, assessments or other information in this Report. This Report is based upon the information and other circumstances that existed and were known to Golder when the Services were performed and this Report was prepared. Golder has not considered the effect of any possible future developments including physical changes to any relevant location or changes to any laws or regulations relevant to such location.

Where permitted by the Contract, Golder may have retained subconsultants affiliated with Golder to provide some or all of the Services. However, it is Golder which remains solely responsible for the Services and there is no legal recourse against any of Golder's affiliated companies or the employees, officers or directors of any of them.

By date, or revision, the Report supersedes any prior report or other document issued by Golder dealing with any matter that is addressed in the Report.

Any uncertainty as to the extent to which this Report can be used or relied upon in any respect should be referred to Golder for clarification



golder.com



SHIRE OF WILUNA

MONTHLY FINANCIAL REPORT

For the Period Ended 30 April 2019

LOCAL GOVERNMENT ACT 1995

LOCAL GOVERNMENT (FINANCIAL MANAGEMENT) REGULATIONS 1996

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SHIRE OF WILUNA

Compilation Report

For the Period Ended 30 April 2019

Report Purpose

This report is prepared to meet the requirements of *Local Government (Financial Management) Regulations 1996*, Regulation 34 .

Overview

Summary reports and graphical progressive graphs are provided on page 2,3, and 4.

No matters of significance are noted.

Statement of Financial Activity by reporting program

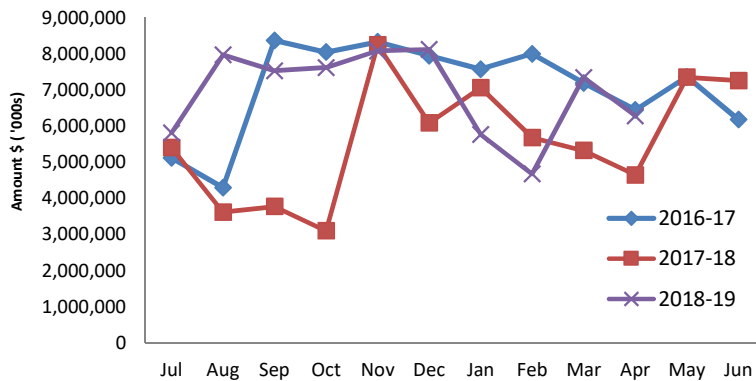
Is presented on page 5 and shows a surplus as at 30 April 2019 of \$6,286,910.

Note: The Statements and accompanying notes are prepared based on all transactions recorded at the time of preparation and may vary.

SHIRE OF WILUNA

Monthly Summary Information
For the Period Ended 30 April 2019

Liquidity Over the Year (Refer Note 3)



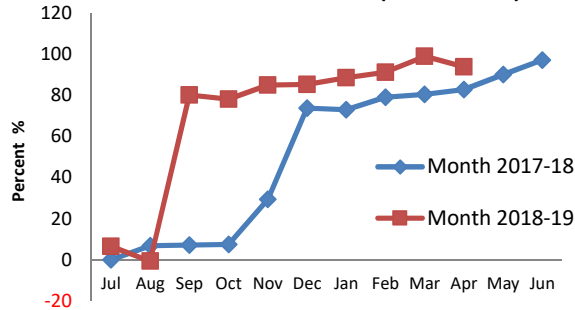
Cash and Cash Equivalents as at period end

Unrestricted	\$	3,842,756
Restricted	\$	6,006,154
	\$	9,848,910

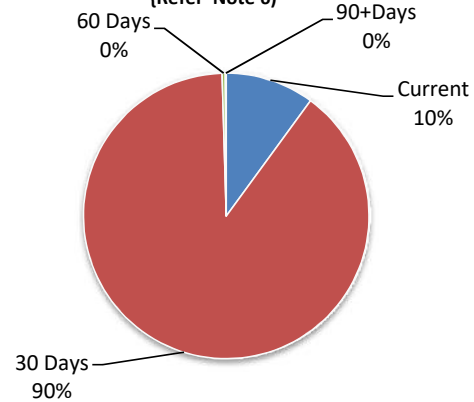
Receivables

Rates	\$	56,008
Other	\$	3,185,046
	\$	3,241,054

Rates Receivable (Refer Note 6)

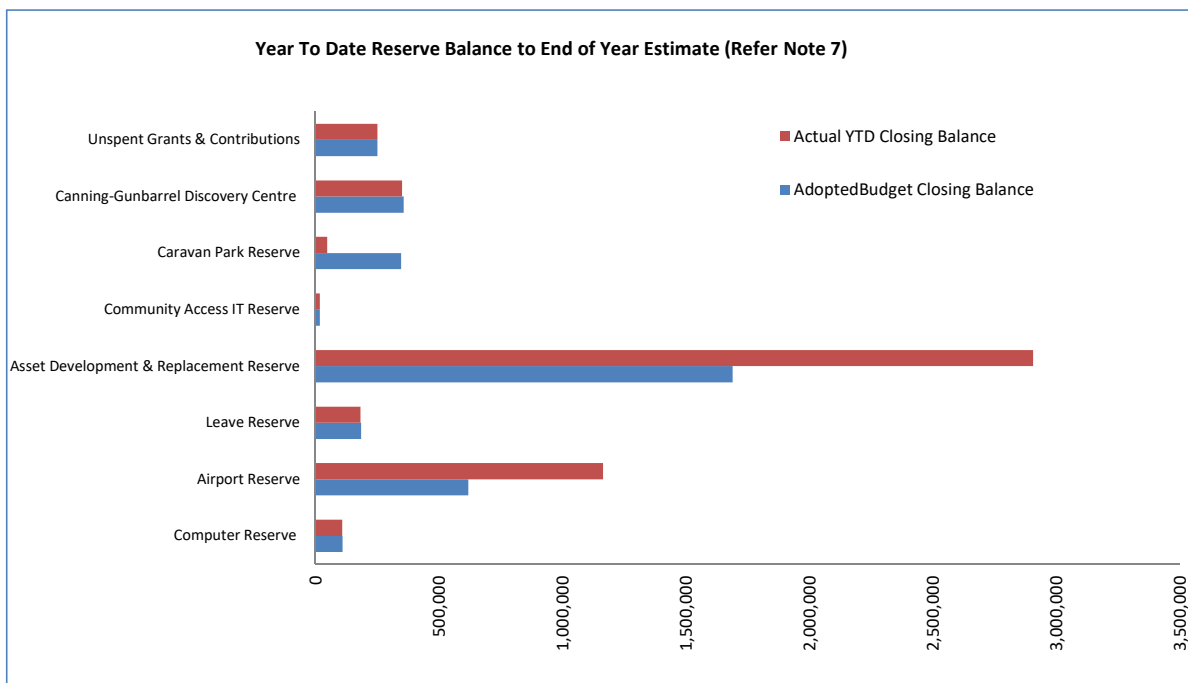
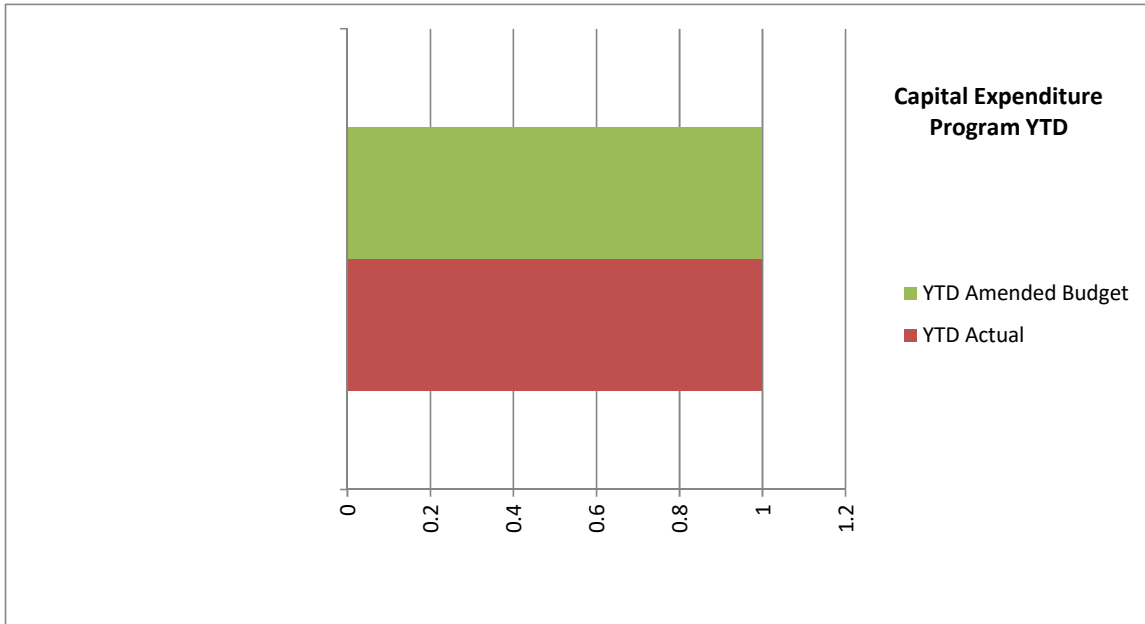


**Account Receivable Ageing (non-rates)
(Refer Note 6)**



This information is to be read in conjunction with the accompanying Financial Statements and notes.

SHIRE OF WILUNA
Monthly Summary Information
For the Period Ended 30 April 2019



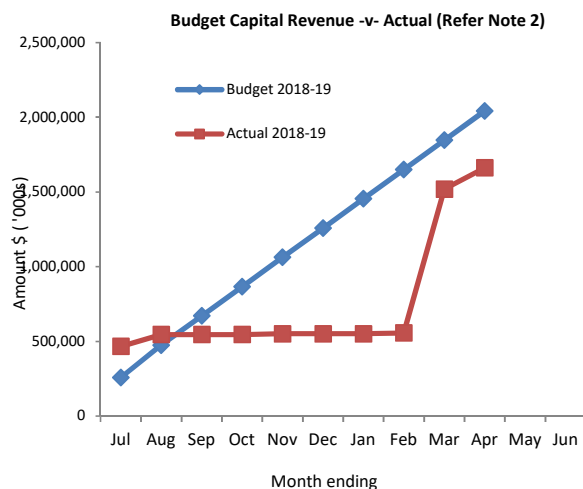
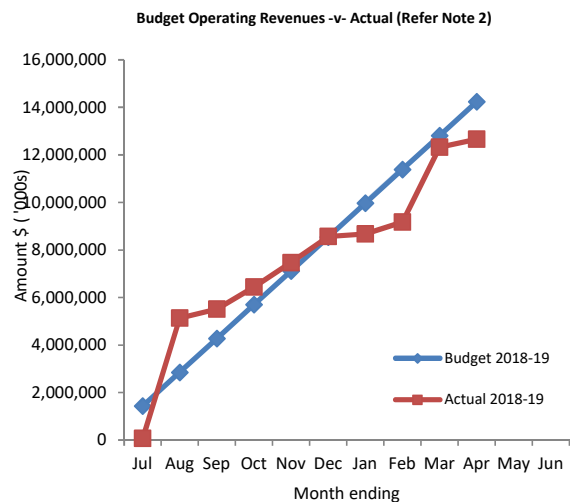
This information is to be read in conjunction with the accompanying Financial Statements and notes.

SHIRE OF WILUNA

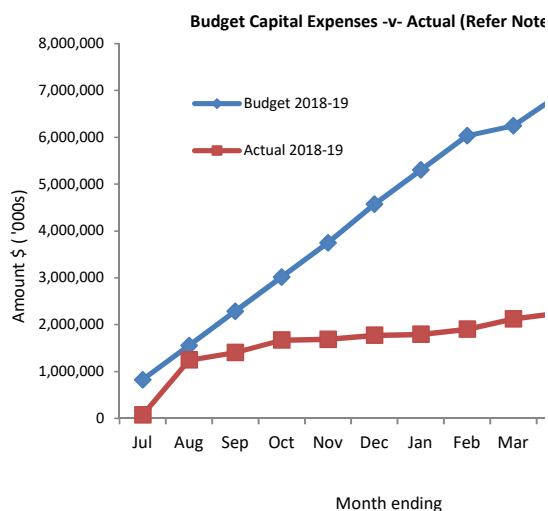
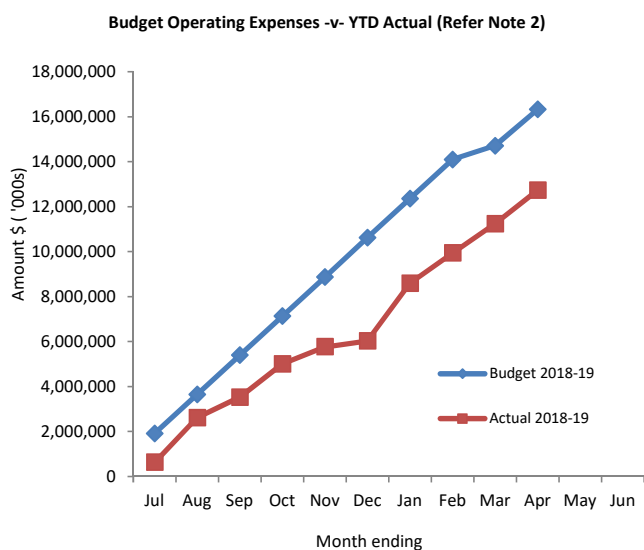
Monthly Summary Information

For the Period Ended 30 April 2019

Revenues



Expenditure



This information is to be read in conjunction with the accompanying Financial Statements and notes.

SHIRE OF WILUNA
STATEMENT OF FINANCIAL ACTIVITY
(Statutory Reporting Program)
For the Period Ended 30 April 2019

	Note	Adopted Annual Budget	Adopted YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	Var. % (b)-(a)/(a)
Operating Revenues		\$	\$	\$	\$	%
Governance		20,971	20,891	3,200	(17,691)	-85%
General Purpose Funding - Rates	9	4,731,751	3,943,080	4,980,489	1,037,409	26%
General Purpose Funding - Other		1,429,588	1,191,270	1,214,699	23,429	2%
Law, Order and Public Safety		16,120	13,420	13,598	178	1%
Health		200	160	0	(160)	-100%
Education and Welfare		0	0	0	0	
Housing		4,500	3,750	26,036	22,286	594%
Community Amenities		80,260	66,860	84,651	17,791	27%
Recreation and Culture		197,950	164,900	253,738	88,838	54%
Transport		10,516,290	8,763,570	6,025,835	(2,737,735)	-31%
Economic Services		45,500	37,900	16,117	(21,783)	-57%
Other Property and Services		35,220	29,330	45,074	15,744	54%
Total Operating Revenue		17,078,350	14,235,131	12,663,437	(1,571,694)	
Operating Expense						
Governance		(2,144,522)	(1,788,833)	(1,331,185)	457,648	26%
General Purpose Funding		(371,231)	(309,330)	(246,394)	62,936	20%
Law, Order and Public Safety		(206,753)	(172,256)	(81,146)	91,110	53%
Health		(82,611)	(68,810)	(42,626)	26,184	38%
Education and Welfare		(59,476)	(49,540)	(51,511)	(1,971)	-4%
Housing		(543,536)	(454,466)	(170,584)	283,882	62%
Community Amenities		(648,457)	(543,635)	(414,891)	128,744	24%
Recreation and Culture		(2,205,004)	(1,841,552)	(1,337,456)	504,096	27%
Transport		(12,722,739)	(10,612,342)	(8,761,380)	1,850,962	17%
Economic Services		(536,766)	(447,311)	(254,856)	192,455	43%
Other Property and Services		(31,324)	(42,885)	(41,084)	1,801	4%
Total Operating Expenditure		(19,552,419)	(16,330,960)	(12,733,113)	3,597,847	
Funding Balance Adjustments						
Add back Depreciation		2,792,300	839,290	974,890	135,600	16%
Adjust (Profit)/Loss on Asset Disposal	8	57,946	57,946	(3,200)	(61,146)	-106%
Loss on revaluation of non-current assets		0	0	0	0	
Adjust provisions and accruals		0	0	0	0	
Net Cash from Operations		376,177	(1,198,593)	902,014	2,100,607	
Capital Revenues						
Grants, Subsidies and Contributions	11	2,350,882	1,959,040	1,577,966	(381,074)	-19%
Proceeds from Disposal of Assets	8	320,000	83,182	83,182	0	0%
Total Capital Revenues		2,670,882	2,042,222	1,661,147	(381,074)	
Capital Expenses						
Land and Buildings	13	(1,808,796)	(1,562,090)	(1,324,195)	237,895	15%
Infrastructure - Roads	13	(2,809,668)	(2,299,690)	(159,241)	2,140,449	93%
Infrastructure - Others	13	(2,251,236)	(1,899,500)	(294,005)	1,605,495	85%
Infrastructure - Airport	13	(895,554)	(281,910)	(45,259)	236,651	84%
Plant and Equipment	13	(921,065)	(679,950)	(261,927)	418,023	61%
Furniture and Equipment	13	(368,229)	(197,920)	(164,275)	33,645	17%
Work in Progress	13	0	0	0	0	
Total Capital Expenditure		(9,054,548)	(6,921,060)	(2,248,901)	4,672,159	
Net Cash from Capital Activities		(6,383,666)	(4,878,838)	(587,753)	4,291,085	
Financing						
Repayment of Debentures	10	(264,746)	(245,044)	(245,044)	0	0%
Proceeds from new debentures	10	650,000	650,000	650,000	0	0%
Transfers to cash backed reserves (restricted assets)	7	(860,551)	(111,934)	(111,934)	0	0%
Transfers from cash backed reserves (restricted assets)	7	2,287,709	0	0	0	
Net Cash from Financing Activities		1,812,412	293,022	293,022	0	
Net Operations, Capital and Financing		(4,195,077)	(5,784,409)	607,282	6,391,692	
Opening Funding Surplus(Deficit)	3	5,749,027	5,749,027	5,679,628	(69,399)	-1%
Closing Funding Surplus(Deficit)	3	1,553,950	(35,382)	6,286,910	6,322,292	

Indicates a variance between Year to Date (YTD) Budget and YTD Actual data as per the adopted materiality threshold.

Refer to Note 2 for an explanation of the reasons for the variance.

This statement is to be read in conjunction with the accompanying Financial Statements and notes.

SHIRE OF WILUNA
STATEMENT OF FINANCIAL ACTIVITY
(By Nature or Type)
For the Period Ended 30 April 2019

	Note	Adopted Annual Budget	Adopted YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	Var. % (b)-(a)/(a)
Operating Revenues		\$	\$	\$	\$	%
Rates	9	4,731,751	3,943,080	4,980,489	1,037,409	26%
Operating Grants, Subsidies and Contributions	11	11,443,699	9,536,390	6,999,616	(2,536,774)	-27%
Fees and Charges		606,280	505,130	344,034	(161,096)	-32%
Interest Earnings		245,850	204,850	228,634	23,784	12%
Other Revenue		30,200	25,110	107,465	82,355	328%
Profit on Disposal of Assets	8	0	20,571	3,200	(17,371)	-84%
Total Operating Revenue		17,057,780	14,235,131	12,663,437	(1,571,694)	
Operating Expense						
Employee Costs		(2,744,173)	(2,296,450)	(2,075,661)	220,789	-10%
Materials and Contracts		(14,408,801)	(12,481,890)	(9,018,060)	3,463,830	-28%
Utility Charges		(297,850)	(252,230)	(161,686)	90,544	-36%
Depreciation on Non-Current Assets		(2,792,300)	(839,290)	(974,890)	(135,600)	16%
Interest Expenses		(158,905)	(132,400)	(102,261)	30,139	-23%
Insurance Expense		(228,644)	(224,973)	(229,440)	(4,467)	2%
Other Expenditure		(397,180)	(175,210)	(171,116)	4,094	-2%
Loss on Disposal of Assets	8	(57,946)	(78,517)	0	78,517	-100%
Loss on revaluation of non-current assets		0	0	0		
Total Operating Expenditure		(21,085,799)	(16,480,960)	(12,733,113)	3,747,847	
Funding Balance Adjustments						
Add back Depreciation		2,792,300	839,290	974,890	135,600	16%
Adjust (Profit)/Loss on Asset Disposal	8	57,946	57,946	(3,200)	(61,146)	-106%
Loss on revaluation of non-current assets		0	0	0		
Adjust provisions and accruals		0	0	0		
Net Cash from Operations		(1,177,773)	(1,348,593)	902,014	2,250,607	
Capital Revenues						
Grants, Subsidies and Contributions	11	2,350,882	1,959,040	1,577,966	(381,074)	-19%
Proceeds from Disposal of Assets	8	320,000	83,182	83,182	0	0%
Total Capital Revenues		2,670,882	2,042,222	1,661,147	(381,073)	
Capital Expenses						
Land and Buildings	13	(1,808,796)	(1,562,090)	(1,324,195)	237,895	15%
Infrastructure - Roads	13	(2,809,668)	(2,299,690)	(159,241)	2,140,449	93%
Infrastructure - Others	13	(2,251,236)	(1,899,500)	(294,005)	1,605,495	85%
Infrastructure - Airport	13	(895,554)	(281,910)	(45,259)	236,651	84%
Plant and Equipment	13	(921,065)	(679,950)	(261,927)	418,023	61%
Furniture and Equipment	13	(368,229)	(197,920)	(164,275)	33,645	17%
Work in Progress	13			0		
Total Capital Expenditure		(9,054,548)	(6,921,060)	(2,248,901)	4,672,159	
Net Cash from Capital Activities		(6,383,666)	(4,878,838)	(587,753)	4,291,086	
Financing						
Repayment of Debentures	10	(264,746)	(245,044)	(245,044)	0	
Proceeds from new debentures	10	650,000	650,000	650,000	0	
Transfers to cash backed reserves (restricted)	7	(860,551)	(111,934)	(111,934)	0	0%
Transfers from cash backed reserves	7	2,287,709	0	0	0	
Net Cash from Financing Activities		1,812,412	293,022	293,022	0	
Net Operations, Capital and Financing		(5,749,027)	(5,934,409)	607,282	6,541,693	
Opening Funding Surplus(Deficit)	3	5,749,027	5,749,027	5,679,628	(69,399)	-1%
Closing Funding Surplus(Deficit)	3	0	(185,382)	6,286,910	6,472,293	

Indicates a variance between Year to Date (YTD) Budget and YTD Actual data as per the adopted materiality threshold.
Refer to Note 2 for an explanation of the reasons for the variance.

This statement is to be read in conjunction with the accompanying Financial Statements and notes.

SHIRE OF WILUNA
STATEMENT OF FINANCIAL POSITION
30-April-2019

	Note	2018/2019	2017/2018
CURRENT ASSETS			
Cash at Bank and On Hand	4	9,848,910	12,545,789
Rates Outstanding		56,008	77,268
Sundry Debtors		3,179,825	110,927
Gst Receivable		200,064	228,903
Accrued Income/Payments In Advance		350	0
Stocks on Hand		13,369	15,845
TOTAL CURRENT ASSETS		13,298,526	12,978,732
CURRENT LIABILITIES			
Sundry Creditors		45,253	784,150
Accrued Interest on loans		0	24,974
Accrued Salaries & Wages		0	27,485
GST Payable		26,924	10,113
Accrued Expenses		0	423,430
Other current liabilities		763,284	63,852
Loan Liability (Current)		8,787	253,831
Provision For Annual Leave		123,716	123,716
Provision For Long Service Leave (Currre		46,286	46,286
TOTAL CURRENT LIABILITIES		1,014,249	1,757,837
NET CURRENT ASSETS		12,284,277	11,220,895
NON-CURRENT ASSETS			
Land & Buildings		20,421,128	19,096,934
Accumulated Depreciation Land & Building		(502,613)	(232,873)
Furniture & Equipment		570,698	406,423
Accumulated Depreciation Furniture&Equip		(116,936)	(50,145)
Plant & Equipment		1,542,611	1,366,045
Accumulated Depreciation Plant & Equip		(421,947)	(287,713)
Roads		46,760,465	46,601,224
Accumulated Depreciation Roads		(140,935)	0
Airport		5,657,853	5,612,594
Accumulated Depreciation Airport		(187,283)	0
Other Infrastructure		3,151,973	2,857,969
Accumulated Depreciation Other Infrastru		(170,646)	(120)
Work in Progress - Buildings		0	0
Work in Progress -Other Infrastructures		0	0
TOTAL NON-CURRENT ASSETS		76,564,369	75,370,340
NON-CURRENT LIABILITIES			
Loan Liability (Non Current)		3,729,231	3,079,231
Provision For Long Service Leave (Non Current)		36,216	36,216
TOTAL NON-CURRENT LIABILITIES		3,765,447	3,115,447
NET ASSETS		85,083,198	83,475,788
EQUITY			
Accumulated Surplus		25,477,811	24,081,455
Revaluation Surplus-Land & Buildings		4,223,618	4,223,618
Revaluation Surplus-Furniture & Equipment		103,228	103,228
Revaluation Surplus-Plant & Equipment		641,225	641,225
Revaluation Surplus - Infrastructure Road		42,159,899	42,159,899
Revaluation Surplus-Infrastructure Airport		4,759,121	4,759,121
Revaluation Surplus-Infrastructure Others		1,712,143	1,712,143
Reserve - Asset Replacement		2,905,932	2,848,947
Reserve - Computer	7	108,334	106,210
Reserve - Airport	7	1,164,476	1,141,641
Reserve - Leave	7	182,685	179,102
Reserve - Wiluna Telecentre	7	17,019	16,685
Reserve - Caravan Park	7	46,974	46,053
Reserve - Heritage and Interpretive Centre	7	351,195	344,308
Reserve - Unspent Grants and Contributions	7	250,959	250,959
Reserve - Community Development	7	255,001	250,000
Reserve - Plant Replacement	7	623,418	611,193
Reserve - Community Development	7	100,160	0
TOTAL EQUITY		85,083,198	83,475,788

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

1. SIGNIFICANT ACCOUNTING POLICIES

(a) Basis of Accounting

This statement comprises a special purpose financial report which has been prepared in accordance with Australian Accounting Standards (as they apply to local governments and not-for-profit entities), Australian Accounting Interpretations, other authoritative pronouncements of the Australian Accounting Standards Board, the Local Government Act 1995 and accompanying regulations. Material accounting policies which have been adopted in the preparation of this statement are presented below and have been consistently applied unless stated otherwise.

Except for cash flow and rate setting information, the report has also been prepared on the accrual basis and is based on historical costs, modified, where applicable, by the measurement at fair value of selected non-current assets, financial assets and liabilities.

Critical Accounting Estimates

The preparation of a financial report in conformity with Australian Accounting Standards requires management to make judgements, estimates and assumptions that effect the application of policies and reported amounts of assets and liabilities, income and expenses.

The estimates and associated assumptions are based on historical experience and various other factors that are believed to be reasonable under the circumstances; the results of which form the basis of making the judgements about carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

(b) The Local Government Reporting Entity

All Funds through which the Council controls resources to carry on its functions have been included in this statement.

In the process of reporting on the local government as a single unit, all transactions and balances between those funds (for example, loans and transfers between Funds) have been eliminated.

All monies held in the Trust Fund are excluded from the statement, but a separate statement of those monies appears at Note 12.

(c) Rounding Off Figures

All figures shown in this statement are rounded to the nearest dollar.

(d) Rates, Grants, Donations and Other Contributions

Rates, grants, donations and other contributions are recognised as revenues when the local government obtains control over the assets comprising the contributions. Control over assets acquired from rates is obtained at the commencement of the rating period or, where earlier, upon receipt of the rates.

(e) Goods and Services Tax

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO).

Receivables and payables are stated inclusive of GST receivable or payable.

The net amount of GST recoverable from, or payable to, the ATO is included with receivables or payables in the statement of financial position.

Cash flows are presented on a gross basis. The GST components of cash flows arising from investing or financing activities which are recoverable from, or payable to, the ATO are presented as operating cash flows.

(f) Cash and Cash Equivalents

Cash and cash equivalents include cash on hand, cash at bank, deposits available on demand with banks and other short term highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value and bank overdrafts.

Bank overdrafts are reported as short term borrowings in current liabilities in the statement of financial position.

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

1. SIGNIFICANT ACCOUNTING POLICIES (Continued)

(g) Trade and Other Receivables

Trade and other receivables include amounts due from ratepayers for unpaid rates and service charges and other amounts due from third parties for goods sold and services performed in the ordinary course of business.

Receivables expected to be collected within 12 months of the end of the reporting period are classified as current assets. All other receivables are classified as non-current assets.

Collectability of trade and other receivables is reviewed on an ongoing basis. Debts that are known to be uncollectible are written off when identified. An allowance for doubtful debts is raised when there is objective evidence that they will not be collectible.

(h) Inventories

General

Inventories are measured at the lower of cost and net realisable value.

Net realisable value is the estimated selling price in the ordinary course of business less the estimated costs of completion and the estimated costs necessary to make the sale.

Land Held for Resale

Land held for development and sale is valued at the lower of cost and net realisable value. Cost includes the cost of acquisition, development, borrowing costs and holding costs until completion of development. Finance costs and holding charges incurred after development is completed are expensed.

Gains and losses are recognised in profit or loss at the time of signing an unconditional contract of sale if significant risks and rewards, and effective control over the land, are passed on to the buyer at this point.

Land held for sale is classified as current except where it is held as non-current based on Council's intentions to release for sale.

(i) Fixed Assets

All assets are initially recognised at cost. Cost is determined as the fair value of the assets given as consideration plus costs incidental to the acquisition. For assets acquired at no cost or for nominal consideration, cost is determined as fair value at the date of acquisition. The cost of non-current assets constructed by the local government includes the cost of all materials used in the construction, direct labour on the project and an appropriate proportion of variable and fixed overhead.

Certain asset classes may be revalued on a regular basis such that the carrying values are not materially different from fair value. Assets carried at fair value are to be revalued with sufficient regularity to ensure the carrying amount does not differ materially from that determined using fair value at reporting date.

(j) Depreciation of Non-Current Assets

All non-current assets having a limited useful life are systematically depreciated over their useful lives in a manner which reflects the consumption of the future economic benefits embodied in those assets.

Depreciation is recognised on a straight-line basis, using rates which are reviewed each reporting period. Major depreciation rates and periods are:

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

1. SIGNIFICANT ACCOUNTING POLICIES (Continued)

Buildings	30 to 50 years
Furniture and Equipment	4 to 10 years
Plant and Equipment	2 to 15 years
Sealed roads and streets	
formation	not depreciated
pavement	50 years
seal	
- bituminous seals	20 years
- asphalt surfaces	25 years
Gravel roads	
formation	not depreciated
pavement	50 years
gravel sheet	12 years
Formed roads	
formation	not depreciated
pavement	50 years
Footpaths - slab	20 years
Sewerage piping	100 years
Water supply piping & drainage systems	75 years

(k) Trade and Other Payables

Trade and other payables represent liabilities for goods and services provided to the Council prior to the end of the financial year that are unpaid and arise when the Council becomes obliged to make future payments in respect of the purchase of these goods and services. The amounts are unsecured, are recognised as a current liability and are normally paid within 30 days of recognition.

(l) Employee Benefits

The provisions for employee benefits relates to amounts expected to be paid for long service leave, annual leave, wages and salaries and are calculated as follows:

(i) Wages, Salaries, Annual Leave and Long Service Leave (Short-term Benefits)

The provision for employees' benefits to wages, salaries, annual leave and long service leave expected to be settled within 12 months represents the amount the Shire has a present obligation to pay resulting from employees services provided to balance date. The provision has been calculated at nominal amounts based on remuneration rates the Shire expects to pay and includes related on-costs.

(ii) Annual Leave and Long Service Leave (Long-term Benefits)

The liability for long service leave is recognised in the provision for employee benefits and measured as the present value of expected future payments to be made in respect of services provided by employees up to the reporting date using the project unit credit method. Consideration is given to expected future wage and salary levels, experience of employee departures and periods of service. Expected future payments are discounted using market yields at the reporting date on national government bonds with terms to maturity and currency that match as closely as possible, the estimated future cash outflows. Where the Shire does not have the unconditional right to defer settlement beyond 12 months, the liability is recognised as a current liability.

(m) Interest-bearing Loans and Borrowings

All loans and borrowings are initially recognised at the fair value of the consideration received less directly attributable transaction costs.

After initial recognition, interest-bearing loans and borrowings are subsequently measured at amortised cost using the effective interest method. Fees paid on the establishment of loan facilities that are yield related are included as part of the carrying amount of the loans and borrowings.

Borrowings are classified as current liabilities unless the Council has an unconditional right to defer settlement of the liability for at least 12 months after the balance sheet date.

Borrowing Costs

Borrowing costs are recognised as an expense when incurred except where they are directly attributable to the acquisition, construction or production of a qualifying asset. Where this is the case, they are capitalised as part of the cost of the particular asset.

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

1. SIGNIFICANT ACCOUNTING POLICIES (Continued)

(n) Provisions

Provisions are recognised when: The council has a present legal or constructive obligation as a result of past events; it is more likely than not that an outflow of resources will be required to settle the obligation; and the amount has been reliably estimated. Provisions are not recognised for future operating losses.

Where there are a number of similar obligations, the likelihood that an outflow will be required in settlement is determined by considering the class of obligations as a whole. A provision is recognised even if the likelihood of an outflow with respect to any one of item included in the same class of obligations may be small.

(o) Current and Non-Current Classification

In the determination of whether an asset or liability is current or non-current, consideration is given to the time when each asset or liability is expected to be settled. The asset or liability is classified as current if it is expected to be settled within the next 12 months, being the Council's operational cycle. In the case of liabilities where Council does not have the unconditional right to defer settlement beyond 12 months, such as vested long service leave, the liability is classified as current even if not expected to be settled within the next 12 months. Inventories held for trading are classified as current even if not expected to be realised in the next 12 months except for land held for resale where it is held as non current based on Council's intentions to release for sale.

(p) Nature or Type Classifications

Rates

All rates levied under the Local Government Act 1995. Includes general, differential, specific area rates, minimum rates, interim rates, back rates, ex-gratia rates, less discounts offered. Exclude administration fees, interest on instalments, interest on arrears and service charges.

Operating Grants, Subsidies and Contributions

Refer to all amounts received as grants, subsidies and contributions that are not non-operating grants.

Non-Operating Grants, Subsidies and Contributions

Amounts received specifically for the acquisition, construction of new or the upgrading of non-current assets paid to a local government, irrespective of whether these amounts are received as capital grants, subsidies, contributions or donations.

Profit on Asset Disposal

Profit on the disposal of assets including gains on the disposal of long term investments. Losses are disclosed under the expenditure classifications.

Fees and Charges

Revenues (other than service charges) from the use of facilities and charges made for local government services, sewerage rates, rentals, hire charges, fee for service, photocopying charges, licences, sale of goods or information, fines, penalties and administration fees. Local governments may wish to disclose more detail such as rubbish collection fees, rental of property, fines and penalties, other fees and charges.

Service Charges

Service charges imposed under Division 6 of Part 6 of the Local Government Act 1995. Regulation 54 of the Local Government (Financial Management) Regulations 1996 identifies the These are television and radio broadcasting, underground electricity and neighbourhood surveillance services. Exclude rubbish removal charges. Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

Interest Earnings

Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

1. SIGNIFICANT ACCOUNTING POLICIES (Continued)

Interest Earnings

Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

Other Revenue / Income

Other revenue, which can not be classified under the above headings, includes dividends, discounts, rebates etc.

Employee Costs

All costs associate with the employment of person such as salaries, wages, allowances, benefits such as vehicle and housing, superannuation, employment expenses, removal expenses, relocation expenses, worker's compensation insurance, training costs, conferences, safety expenses, medical examinations, fringe benefit tax, etc.

Materials and Contracts

All expenditures on materials, supplies and contracts not classified under other headings. These include supply of goods and materials, legal expenses, consultancy, maintenance agreements, communication expenses, advertising expenses, membership, periodicals, publications, hire expenses, rental, leases, postage and freight etc. Local governments may wish to disclose more detail such as contract services, consultancy, information technology, rental or lease expenditures.

Utilities (Gas, Electricity, Water, etc.)

Expenditures made to the respective agencies for the provision of power, gas or water. Exclude expenditures incurred for the reinstatement of roadwork on behalf of these agencies.

Insurance

All insurance other than worker's compensation and health benefit insurance included as a cost of employment.

Loss on asset disposal

Loss on the disposal of fixed assets.

Depreciation on non-current assets

Depreciation expense raised on all classes of assets.

Interest expenses

Interest and other costs of finance paid, including costs of finance for loan debentures, overdraft accommodation and refinancing expenses.

Other expenditure

Statutory fees, taxes, provision for bad debts, member's fees or levies including WA Fire Brigade Levy and State taxes. Donations and subsidies made to community groups.

(q) Statement of Objectives

Council has adopted a 'Plan for the future' comprising a Strategic Community Plan and Corporate Business Plan to provide the long term community vision, aspirations and objectives.

Based upon feedback received from the community the vision of the Shire is:
"A proud, green, go-ahead and healthy Wiluna"

The Strategic Community Plan defines the key objectives of the Shire as:
"Working together to enhance our furture through good governance"

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

1. SIGNIFICANT ACCOUNTING POLICIES (Continued)

(r) Reporting Programs

Council operations as disclosed in this statement encompass the following service orientated activities/programs:

GOVERNANCE

Expenses associated with provision of services to members of council and elections and the administrative support available to the council for the provision of governance of the district. Costs reported as administrative expenses are redistributed in accordance with the principle of activity based costing (ABC).

GENERAL PURPOSE FUNDING

Rates and associated revenues, general purpose government grants, interest revenue and other miscellaneous revenues. The costs associated with raising the above revenues, e.g. valuation expense debt collection and overheads.

LAW, ORDER, PUBLIC SAFETY

Supervision and enforcement of Local Laws, fire prevention, animal control, provision of ranger services and other aspects of public safety including emergency services.

HEALTH

Health inspection services, food quality control, mosquito and pest control and waste disposal compliance.

EDUCATION AND WELFARE

Provision and development of community service programmes, including training and disability requirements.

HOUSING

Provision and maintenance of housing accommodation for employees.

COMMUNITY AMENITIES

Sanitation, sewerage, protection of the environment, public conveniences, cemeteries, rubbish collection services, operation of rubbish disposal sites, litter control, and administration of town planning schemes.

RECREATION AND CULTURE

Provision and maintenance of public halls, civic centres, aquatic centre, recreation centres, and various sporting facilities. Provision and maintenance of parks, gardens, and playgrounds. Operation of library, art centre and other cultural facilities.

TRANSPORT

Construction and maintenance of roads, footpaths, depots, traffic control, cleaning of streets, and maintenance of street trees, streetlighting and etc.

ECONOMIC SERVICES

Tourism and area promotion, provision of rural services including weed control and vermin control. Building control and economic development facilities.

OTHER PROPERTY & SERVICES

Plant works, plant overheads and stock of materials, private works operations

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 2: EXPLANATION OF MATERIAL VARIANCES

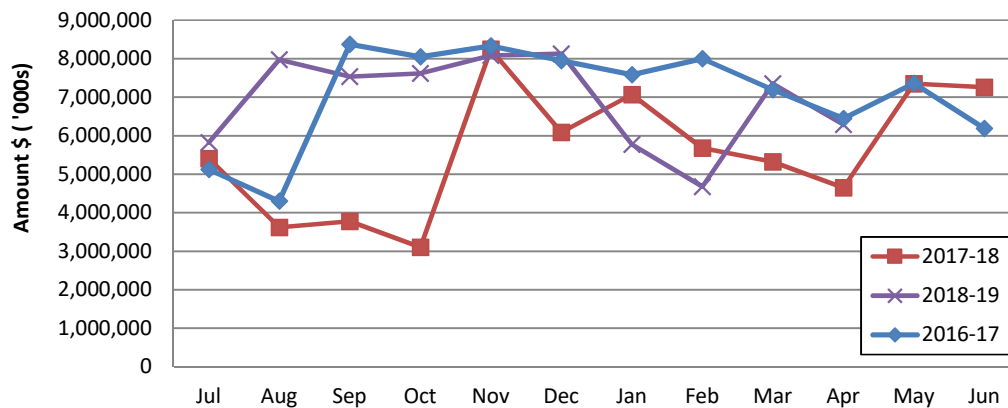
Reporting Program	Var. \$	Var. %	Timing/ Permanent	Explanation of Variance
Operating Revenues	\$	%		
General Purpose Funding	1,060,838	26%		
Governance	(17,691)	-85%		Not Significant or Budget timing only.
Law, Order and Public Safety	178	1%		Not Significant or Budget timing only.
Health	(160)	-100%		Not Significant or Budget timing only.
Education and Welfare	0			
Housing	22,286	594%		Relates to insurance claim
Community Amenities	17,791	27%		Not Significant or Budget timing only.
Recreation and Culture	88,838	54%		Grants Budget timing
Transport	(2,737,735)	-31%		Grants Budget timing
Economic Services	(21,783)	-57%		Not Significant or Budget timing only.
Other Property and Services	15,744	54%		Not Significant or Budget timing only.
Operating Expense				
General Purpose Funding	62,936	20%		
Governance	457,648	26%		Not Significant or Budget timing only.
Law, Order and Public Safety	91,110	53%		Not Significant or Budget timing only.
Health	26,184	38%		Not Significant or Budget timing only.
Education and Welfare	(1,971)	-4%		Not Significant or Budget timing only.
Housing	(170,584)	0%		Not Significant or Budget timing only.
Community Amenities	128,744	24%		Not Significant or Budget timing only.
Recreation and Culture	504,096	27%		Not Significant or Budget timing only.
Transport	1,850,962	17%		Flood repair awaiting start & change in depreciation methods
Economic Services	192,455	43%		Not Significant or Budget timing only.
Other Property and Services	1,801	4%		Allocations and Employee cost less than YTD budget
Capital Revenues				
Grants, Subsidies and Contributions	(381,074)	-19%		Early Grant Received
Proceeds from Disposal of Assets	0	0%		
Capital Expenses				
Land and Buildings	237,895	15%		New Admin Building Budget timing
Infrastructure - Roads	2,140,449	93%		Not Significant or Budget timing only.
Infrastructure - Others	1,605,495	85%		Not Significant or Budget timing only.
Infrastructure - Airport	236,651	84%		Not Significant or Budget timing only.
Plant and Equipment	418,023	61%		Not Significant or Budget timing only.
Furniture and Equipment	33,645	17%		Not Significant or Budget timing only.
Financing				
Loan Principal	0	0%		Not Significant or Budget timing only.

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 3: NET CURRENT FUNDING POSITION

		Positive=Surplus (Negative=Deficit)		
		YTD 30 Apr 2019	Budget 30 June 2018	Actual 30 June 2018
		\$	\$	\$
Current Assets				
Cash Unrestricted	4	3,842,756	1,367,469	6,750,691
Cash Restricted - Reserves Equity	4	6,006,154	4,371,015	5,795,098
Receivables - Rates	6	56,008	262,279	77,268
Receivables -Other	6	3,179,825	0	110,927
Interest / ATO Receivable/Accrual		200,414	0	228,903
Inventories		13,369	17,500	15,845
		13,298,526	6,018,263	12,978,732
Less: Current Liabilities				
Payables		(844,247)	(1,663,494)	(1,587,836)
Provisions		(170,002)	(248,500)	(170,002)
		(1,014,249)	(1,911,994)	(1,757,837)
Less: Cash Reserves	7	(6,006,154)	(4,371,015)	(5,795,098)
Secured by floating charge		8,787	264,746	253,831
Net Current Funding Position		6,286,910	0	5,679,628

Note 3 - Liquidity Over the Year



Comments - Net Current Funding Position

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 4: CASH AND INVESTMENTS

		Interest Rate	Municipal Unrestricted \$	Reserves Restricted \$	Total Amount \$
(a)	Municipal Account				
A030010	CBA - Municipal Cash at Bank		18,472		18,472
A030100	Municipal Cash at Bank		21,937		21,937
A030020	CBA Muni Call Deposit		0		0
A030114	AMP Bank Business Saver Account (at call)		1,059,945		1,059,945
A030132	Commonwealth Bank of Australia TD - Muni		384,247		384,247
A030135	Bankwest Money Market Deposit Account (at call)		1,098,432		1,098,432
A030137	IMB Bank TD		759,723		759,723
A030150	BANKWEST TD 3 - Muni		500,000		500,000
(b)	Investment 10				
A030015	CBA Reserve Call Account			14,881	14,881
A030109	NAB TD - Reserve Account			966,273	966,273
A030112	ME Bank TD - Reserve			2,000,000	2,000,000
A030113	NAB TD 3 - Reserve			990,000	990,000
A030126	Westpac TD - Reserve			745,000	745,000
A030129	Bank of Queensland TD - Reserve			1,290,000	1,290,000
Total			3,842,756	6,006,154	9,848,910

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 5: BUDGET AMENDMENTS

Amendments to original budget since budget adoption. Surplus/(Deficit)

GL Account Code	Description	Council Resolution	Classification	Non Cash Adjustment	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
	Budget Adoption		Opening Surplus	\$	\$	\$	\$
	Permanent Changes						0
C091206	Land Purchase	152/18				120,000	(120,000)
C132360	Commercial Land Purchase	152/18			120,000		120,000
							0
							0
							0
				0	120,000	120,000	0

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 6: RECEIVABLES

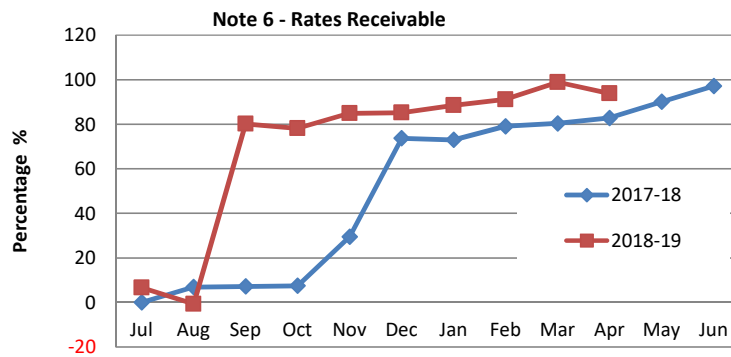
Receivables - Rates Receivable

Opening Arrears Previous Years
 Levied this year and adjustments
Less Collections to date
 Equals Current Outstanding

Net Rates Collectable

% Collected

YTD 30 Apr 2019	YTD Previous FY
\$	\$
103,236	101,747
4,980,490	4,342,861
(5,027,717)	(4,341,372)
56,008	103,236
56,008	103,236
98.90%	97.68%



Comments/Notes - Receivables Rates

Receivables - General

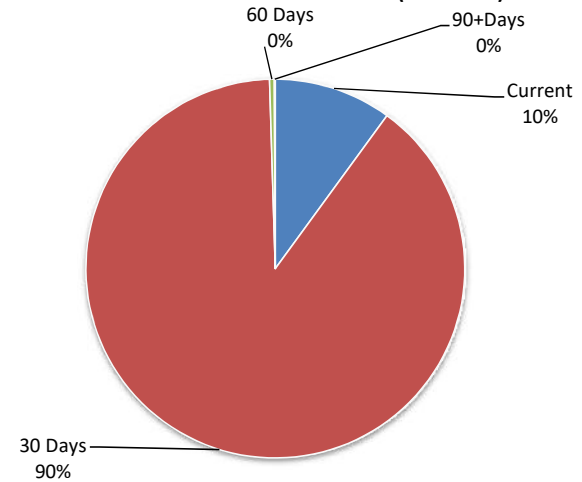
	Current	30 Days	60 Days	90+Days
	\$	\$	\$	\$
Receivables - General	319,481	2,850,273	12,289	3,003

Total Receivables General Outstanding

3,185,046

Amounts shown above include GST (where applicable)

Note 6 - Accounts Receivable (non-rates)



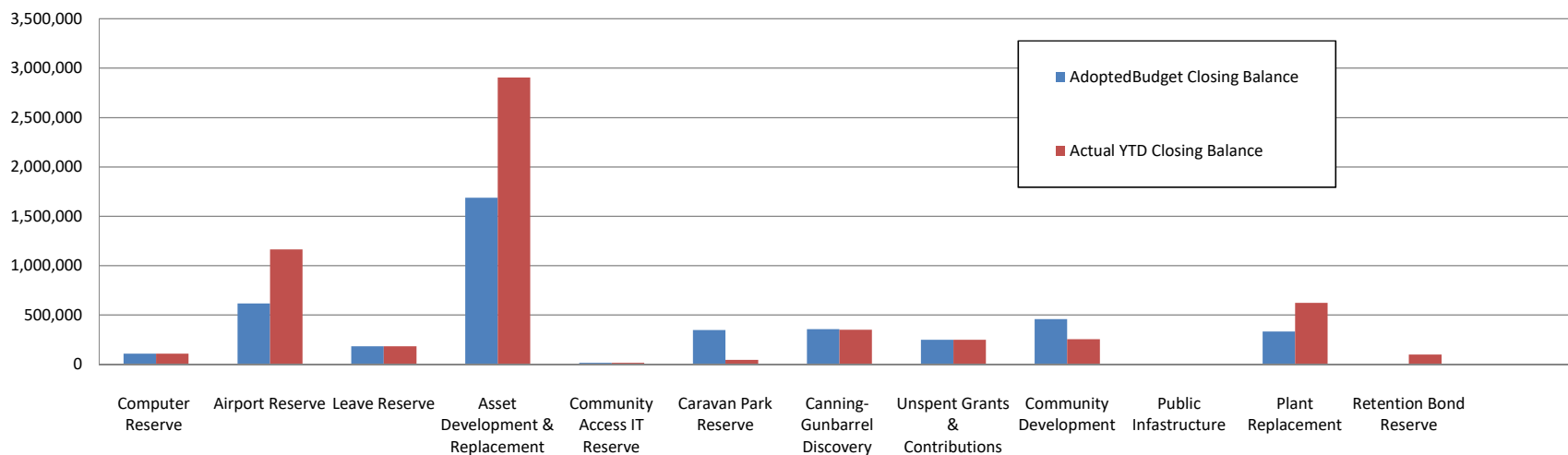
Comments/Notes - Receivables General

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 7: Cash Backed Reserve

2018-19		Adopted Budget Interest Earned	Actual Interest Earned	Adopted Budget Transfers In (+)	Actual Transfers In (+)	Adopted Budget Transfers Out (-)	Actual Transfers Out (-)	Transfer out Reference	Adopted Budget Closing Balance	Actual YTD Closing Balance
Name	Opening Balance									
Computer Reserve	\$ 106,210	\$ 3,080	\$ 2,124	\$ -	\$ -	\$ -	\$ -		\$ 109,290	\$ 108,334
Airport Reserve	1,141,641	29,582	22,835	15,000		(567,777)	-		618,446	1,164,476
Leave Reserve	179,102	5,194	3,582	-			-		184,296	182,685
Asset Development & Replacement Reserve	2,848,947	80,869	56,985	139,311		(1,379,932)			1,689,195	2,905,932
Community Access IT Reserve	16,685	490	334	-					17,175	17,019
Caravan Park Reserve	46,053	1,330	921	300,000					347,383	46,974
Canning-Gunbarrel Discovery Centre	344,308	12,880	6,887	-					357,188	351,195
Unspent Grants & Contributions	250,959	0	-	-					250,959	250,959
Community Development	250,000	3,500	5,001	207,000					460,500	255,001
Public Infrastructure	0	0	-	-					0	0
Plant Replacement	611,193	3,075	12,225	59,240		(340,000)			333,508	623,418
Retention Bond Reserve	0	0	-	-	100,160				0	100,160
	5,795,098	140,000	110,895	720,551	100,160	(2,287,709)	0		4,367,940	6,006,154

Note 7 - Year To Date Reserve Balance to End of Year Estimate



SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 8 CAPITAL DISPOSALS

Actual YTD Profit/(Loss) of Asset Disposal				Disposals	Comments
Fair Value	Accum Depr	Proceeds	Profit (Loss)		
\$	\$	\$	\$		
85,361	5,379	83,182	3,200	6011D Plant and Equipment CEO - 2017 Toyota Landcruiser	
85,361	5,379	83,182	3,200		

Comments - Capital Disposal/Replacements

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 9: RATING INFORMATION

RATE TYPE	Budget										
	Rate in \$	Number of Properties	Rateable Value \$	Rate Revenue \$	Interim Rates \$	Back Rates \$	Total Revenue \$	Rate Revenue \$	Interim Rate \$	Back Rate \$	Total Revenue \$
Differential General Rate											
GRV Wiluna Townsite	9.8335	68	980,128	96,381	0	0	96,381	96,381	562		96,942
GRV Mining	19.4436	6	6,380,000	1,240,502	0	0	1,240,502	1,240,502			1,240,502
UV Rural/Pastoral	13.2539	28	1,247,492	165,322	0	0	165,322	165,322			165,322
UV Mining	19.9288	210	131,333,285	2,617,306	0	0	2,617,306	2,617,306	146,128		2,763,434
UV Exploration & Prospecting Pastoral	24.9689	209	2,052,734	512,545	0	0	512,545	512,545	102,062	-13	614,594
Sub-Totals		521	141,993,639	4,632,056	0	0	4,632,056	4,632,056	248,752	-13	4,880,795
Minimum Payment	Minimum \$										
GRV Wiluna Townsite	470.00	18	7,838	8,460	0	0	8,460	8,460			8,460
GRV Mining	355.00	3	60	1,065	0	0	1,065	1,065			1,065
UV Rural/Pastoral	355.00	1	1,598	355	0	0	355	355			355
UV Mining	355.00	194	76,524	68,870	0	0	68,870	68,870			68,870
UV Exploration & Prospecting Pastoral	355.00	59	49,564	20,945	0	0	20,945	20,945			20,945
Sub-Totals		275	135,584	99,695	0	0	99,695	99,695	0	0	99,695
Amount from General Rates							4,731,751				4,980,490
Ex-Gratia Rates							4,731,751				4,980,490
Totals							4,731,751				4,980,490

Comments - Rating Information

All land except exempt land in the Shire of Wiluna is rated according to its Gross Rental Value (GRV) in townsites or Unimproved Value (UV) in the remainder of the Shire. The General Rates detailed above for the above 2018/19 financial year have been determined by Council on the basis of raising the revenue required to meet the deficiency between the total estimated expenditure proposed in the budget and the estimated revenue to be received from all sources other than rates and also considering the extent of any increase in rating over the level adopted in the previous year. The minimum rates have been determined by Council on the basis that all ratepayers must make a reasonable contribution to the cost of the Local Government services/facilities. The intention to impose differential rating was advertised on 30 June 2018. Five submissions were received. Council resolved to proceed with differential rates and minimums as advertised except for the mining rate that was advertised at 18.8581 and which the Council increased to 19.9288 after considering the submissions received. The rates adopted were as per above table.

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

10. INFORMATION ON BORROWINGS

(a) Debenture Repayments

Particulars	Loan No.	Principal 1-Jul-18	New Loans	Principal Repayments		Principal Outstanding		Interest Repayments	
				Actual \$	Amended Budget \$	Actual \$	Amended Budget \$	Actual \$	Amended Budget \$
Recreation & Culture									
Wiluna Recreation Ground Changerooms, Toilets & Kiosk	1	274,430	0	50,668	50,668	223,762	223,762	7,570	11,371
Housing									
New Staff Housing	4	1,400,000	0	35,972	47,576	1,364,028	1,352,424	33,006	59,192
Economic Services									
Canning - Gunbarrel Discovery Centre	2	658,632		121,603	121,603	537,029	537,029	18,167	45,026
Street Scaping	5		650,000	11,107	10,915	638,893		7,701	12,460
Governance									
Administration Building	3	1,000,000	0	25,694	33,984	974,306	966,016	26,199	42,316
		3,333,062	650,000	245,044	264,746	3,738,018	3,079,231	92,643	170,365

All debenture repayments were financed by general purpose revenue.

No new debentures were raised during the reporting period.

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 11: GRANTS AND CONTRIBUTIONS

Program/Details GL	Grant Provider	Approval	2018-19 Adopted Budget	2018-19 Amended Budget	Variations Additions (Deletions)	Operating	Capital	Recoup Status		Comment
								Received	Not Received	
		(Y/N)	\$	\$	\$	\$	\$	\$	\$	
GENERAL PURPOSE FUNDING										
Grants Commission - General	WALGGC	Y	797,631	797,631	0	797,631	0	674,972	122,660	Operating
Grants Commission - Roads	WALGGC	Y	365,957	365,957	0	365,957	0	297,105	68,852	Operating
LAW, ORDER, PUBLIC SAFETY										
FESA Grant - Operating Bush Fire Brigade	Dept. of Fire & Emergency Serv.	Y	14,820	14,820	0	14,820	0	12,908	1,912	Operating
EDUCATION AND WELFARE										
Community Resource Centre			0	0	0		0	0	0	Non-Operating
RECREATION AND CULTURE										
Art Gallery Operation Grant	Dept of Reg. Australia, LG, Arts & Sports	Y	145,000	145,000	0	145,000	0	199,273	(54,273)	Operating
State Library Art Funding	State Library		0	0	0	0	0	1,887	(1,887)	Non-Operating
Pool Revitalisation Programme	Dept of Sports and Recreation	Y	0	0	0	0	0	0	0	Operating
TRANSPORT										
Regional Road Group 2025 Grant	Regional Road Group	Y	338,000	338,000	0	0	338,000	151,710	186,290	Non-Operating
Regional Road Group Grant	Regional Road Group	Y	63,672	63,672	0	0	63,672	62,938	734	Non-Operating
Federal Government Roads to Recovery	Roads to Recovery	Y	1,343,433	1,343,433	0	0	1,343,433	963,433	380,000	Non-Operating
Remote Communities- FAGS	WALGGC	Y	0	0	0	0	0	15,000	(15,000)	Non-Operating
Remote Communities Grant	Mainroads	Y	28,000	28,000	0	0	28,000	15,200	12,800	Non-Operating
Regional Road Group Grant	Mainroads	Y	250,000	250,000	0	0	250,000	200,000	50,000	Non-Operating
Direct Regional Grant	Mainroads	Y	118,290	118,290	0	118,290	0	310,544	(192,254)	Operating
Flood Damage AGRN743 Grant WANDRRA	Dept of PM	Y	10,000,000	10,000,000	0	10,000,000	0	5,515,671	4,484,329	Operating
RAAP Grant	Regional Airport Development Scheme	Y	0	0	0	0	0	0	0	Non-Operating
Airport Sealing	Regional Airport Development Scheme	Y	327,776	327,776	0	0	327,776	0	327,776	Non-Operating
Airport Terminal	Regional Airport Development Scheme	Y	0	0	0	0	0	169,685	(169,685)	Non-Operating
ECONOMIC SERVICES										
RV Dump Point			0	0			0	0	0	Non-Operating
Art Gallery Fit Out	Dept of Reg. Australia, LG, Arts & Sports	Y					0	0	0	Non-Operating
OTHER PROPERTY AND SERVICES										
New Admin Bldg	Country Local Government Fund	Y	0	0	0	0	0	0	0	Non-Operating
TOTALS			13,792,579	13,792,579	0	11,441,698	2,350,881	8,590,325	5,202,254	
Operating	Operating		11,441,698	11,441,698				7,012,359		
Non-Operating	Non-operating		2,350,881	2,350,881				1,577,966		
			<u>13,792,579</u>	<u>13,792,579</u>				<u>8,590,325</u>		

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 12: TRUST FUND

Funds held at balance date over which the Shire has no control and which are not included in this statement are as follows:

Description	Opening Balance 1 Jul 18	Amount Received	Amount Paid	Closing Balance 30-Apr-19
Totals	\$ 11,626	\$ 1,202	\$ 400	\$ 12,428
	11,626	1,202	400	12,428

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 13: CAPITAL ACQUISITIONS

		Budget by Asset Class						Budget			Actuals	
Account Number	Description	Land & Buildings	Plant and Equipment	Furniture and Equipmemt	Roads	Airport	Other Infrastructures	Adopted Annual Budget	Amended Annual Budget	Amended YTD Budget	YTD Actual	Variance (Under)/Over
GOVERNANCE												
C040001	Council Chambers Furniture			60,000				60,000	60,000	50,000	2,535	47,465
C142101	CEO Vehicle		282,000					282,000	188,000	188,000	92,563	95,437
	Total Governance	-	282,000	60,000	-	-	-	342,000	248,000	238,000	95,098	142,902
LAW ORDER AND PUBLIC SAFETY												
C052522	Pound Upgrade	-						-	-	-	-	-
	Total Law Order and Public Safety	-	-	-	-	-	-	-	-	-	-	-
EDUCATION AND WELFARE												
	Total Education and Welfare	-	-	-	-	-	-	-	-	-	-	-
HOUSING												
C091109	Club Hotel Units	120,000		30,000				150,000	130,000	108,330	153,947	(45,617)
C091117	13 Woodley St	120,000		30,000				-	-	-	2,343	(2,343)
C091200	Staff Housing 1- 8 Trenton Street	107,980		11,144				119,124	119,124	99,270	89,239	10,031
C091201	Staff Housing 2 - 10 Trenton Street	107,980		11,144				119,124	119,124	99,270	97,722	1,548
C091203	Staff Housing 3 - 42 Lennon Street	107,980		11,144				119,124	119,124	99,270	93,234	6,036
C091204	Staff Housing 4 - 46 Lennon Street	107,980		11,144				119,124	119,124	99,270	95,258	4,012
C091205	Staff Housing 5 - 48 Lennon Street	107,980		11,144				119,124	119,124	99,270	94,775	4,495
C091206	Land Purchases	180,000						180,000	60,000	50,000	683	49,317
C091185	U5/30 Scotia Street			50,000				50,000	50,000	41,660	26,940	14,720
	Total Housing	959,900	-	165,720	-	-	-	975,620	835,620	696,340	654,141	42,199
COMMUNITY AMENITIES												
C107054	Cemetery Improvement						43,000	43,000	43,000	35,830	10,541	25,289
C107060	Sewerage Works - Replacement of Septic Systems						70,000	70,000	70,000	58,330	1,710	56,620
	Total Community Amenities	-	-	-	-	-	113,000	113,000	113,000	94,160	12,251	81,909
RECREATION AND CULTURE												
C112100	Pool Repairs Upgrade		28,200				30,236	58,436	58,436	48,690	49,561	(871)
C112101	Pool Improvements		50,000					50,000	50,000	41,660	28,200	13,460
C113132	Wootton Street Playground Equipment						50,000	50,000	170,000	141,670	7,420	134,250
C113134	New Memorial Park Construction - Design, Landscaping & Flagpoles						150,000	150,000	30,000	25,000	10,136	14,864
	Total Recreation and Culture	-	78,200	-	-	-	230,236	308,436	308,436	257,020	95,317	161,703
TRANSPORT												
Street and Road Construction:												
C121001	Wongawol Road - Re-Sheeting				507,000			507,000	507,000	422,500	13,983	408,517
C121002	Wongawol Road - Re-Sealing				-			-	-	-	1,600	(1,600)
C121003	Wiluna Sandstone Road - Aboriginal Access				81,906			81,906	81,906	68,250	1,134	67,116
C121005	Install Water Bores				100,000			100,000	100,000	83,330	2,000	81,330
C121011	Wiluna North Road				375,000			375,000	375,000	312,500	5,051	307,449
C121012	Various Roads - Flood Stabilising				100,000			100,000	50,000	41,670	-	41,670
C121017	Yeelirrie Meekatharra Rd				-			-	-	-	46	(46)
C121018	Granite Peak Lake Violet Blackspot				-			-	-	-	2,342	(2,342)
C121024	Depot Improvements				200,000			200,000	200,000	166,660	97,656	69,004
C121025	Road Concrete				-			-	-	-	-	-
C121801	Lake Violet - Granite Peak Road - Reconstruct, Resheet & Verge Clearing				572,090			572,090	572,090	476,740	1,473	475,267
C121802	Wongawol Road - Princess Ranges Crossing				470,000			470,000	470,000	391,660	16,467	375,193
C121803	Roads Constructions				200,000			200,000	200,000	166,660	-	166,660
C121805	Wiluna North Road - Remote Access Roads				10,000			10,000	10,000	8,330	-	8,330
C121806	Yeelerie Road Blackspot				63,672			63,672	63,672	53,060	14,747	38,313
C121807	Verge Clearing - 17/18 carry-over				100,000			100,000	100,000	83,330	-	83,330
C121808	'Clearances, Gravel & Heritage Surveys				30,000			30,000	30,000	25,000	2,742	22,258
C121810	Signage Upgrade - Rebranding & Directional Signage				-			-	-	-	-	-
	<i>Sub Total</i>	-	-	-	25 2,809,668	-	-	2,809,668	2,759,668	2,299,690	159,241	2,140,449

SHIRE OF WILUNA
NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
For the Period Ended 30 April 2019

Note 13: CAPITAL ACQUISITIONS

		Budget by Asset Class						Budget			Actuals	
Account Number	Description	Land & Buildings	Plant and Equipment	Furniture and Equipment	Roads	Airport	Other Infrastructures	Adopted Annual Budget	Amended Annual Budget	Amended YTD Budget	YTD Actual	Variance (Under)/Over
	Road Plant Purchases											
C123180	Street Sweeper		200,000					200,000	150,000	125,000	-	125,000
C123182	Skid Steer Diamond Head Attachment		15,000					15,000	7,500	6,250	7,415	(1,165)
C123183	Ride-On Mower (with Catcher)		33,000					33,000	40,000	33,330	-	33,330
C123186	Rubbish Truck		150,000					150,000	150,000	125,000	83,819	41,181
C123188	5.2 Tonne Bob Cat Excavator with front blades, bucket, attachments & Trailer		40,000					40,000	70,000	58,330	-	58,330
C123198	Mobile Portable Toilet Block		100,000					100,000	100,000	83,330	-	83,330
	Sub Total	-	538,000	-	-	-	-	538,000	517,500	431,240	91,234	340,006
	Airport											
C126264	Airport Terminal					-		-	-	-	-	-
C126271	Terminal Design					25,000		25,000	12,500	10,420	-	10,420
C126272	Runway Fogging & Seal Repairs (Incl. Engineer)					175,380		175,380	87,690	73,080	-	73,080
C126273	CCTV & Airside Access Control					19,674		19,674	9,837	8,200	-	8,200
C126274	Perimeter & Security Fencing					435,500		435,500	217,750	181,460	-	181,460
C126275	Painting of Terminal					10,000		10,000	-	-	-	-
C126276	Full Feature Survey					20,000		20,000	10,500	8,750	10,485	(1,735)
C126278	Taxiway Line Marking					10,000		10,000	-	-	-	-
C126280	Geo Technical Investigation					-		-	-	-	34,774	(34,774)
C126262	Airport Sealing/Upgrade Repairs					200,000		200,000	-	-	-	-
	Sub Total	-	-	-	-	895,554	-	895,554	338,277	281,910	45,259	236,651
	Total Transport	-	538,000	-	2,809,668	895,554	-	4,243,222	3,615,445	3,012,840	295,734	2,717,106
	ECONOMIC SERVICES											
C132170	Wiluna Enterprise Centre - Wirrpunda DPC fencing & building works	30,000						30,000	30,000	25,000	2,483	22,517
C132172	Heritage/ Interpretive Centre Gardens - Furniture, Landscaping & Reticulation						50,000	50,000	50,000	41,660	2,072	39,588
C132157	Heritage/Interpretive Centre	171,329						171,329	171,329	142,770	156,142	(13,372)
C132159	Main Street Revitalisation (Wotton St)						1,200,000	1,200,000	1,200,000	1,000,000	63,400	936,600
C132160	Heritage & Interpretive Displays						180,000	180,000	180,000	150,000	73,012	76,988
C132343	Caravan Site						168,000	168,000	168,000	140,000	4,065	135,935
C132354	Motel Units Upgrade - includes Furniture & Window Treatments						-	-	-	-	-	-
C132360	Commercial Property Purchase	20,000						20,000	140,000	116,670	16,483	100,187
C134100	Water Supply						200,000	200,000	200,000	166,660	3,500	163,160
	Total Economic Services	221,329	-	-	-	-	1,798,000	2,019,329	2,139,329	1,782,760	321,157	1,461,603
	OTHER PROPERTY AND SERVICES											
C142113	Wireless connection to New Admin Building						110,000	110,000	110,000	91,660	118,149	(26,489)
C147183	New Administration Building	747,567						747,567	747,567	622,970	521,886	101,084
C147185	Telephone System New Admin Building		22,865					22,865	22,865	19,050	369	18,681
C147186	Furniture & Equipment - New Admin Building			172,509				172,509	127,509	106,260	117,942	(11,682)
C147187	Electronic Document Management and Retrieval System			-				-	-	-	16,857	(16,857)
	Total Other Property and Services	747,567	22,865	172,509	-	-	110,000	1,052,941	1,007,941	839,940	758,346	81,594
	TOTALS	1,928,796	921,065	398,229	2,809,668	895,554	2,251,236	9,054,548	8,267,771	6,921,060	2,248,901	4,672,159
								Adopted	Amended Annual	YTD Budget	YTD Actual	
	Land & Buildings							1,894,516	1,874,516	1,562,090	1,324,195	237,895
	Plant & Equipment							951,301	778,365	679,950	261,927	418,023
	Furniture & Equipment							282,509	237,509	197,920	164,275	33,645
	Roads							2,809,668	2,759,668	2,299,690	159,241	2,140,449
	Airport							895,554	338,277	281,910	45,259	236,651
	Other Infrastructure							2,221,000	2,279,436	1,899,500	294,005	1,605,495
	WIP							-	-	-	-	-
	TOTALS							9,054,548	8,267,771	6,921,060	2,248,901	4,672,159

Appendix 9.2.2

*List of Accounts Paid By Authority
1st April 2019 to 30 April 2019*

Chq/EFT	Date	Name	Description	Amount
EFT7481	29/03/2019	Goodwork Holdings Pty Ltd	PAYMENT	-\$ 396,879.56
INV-101828	22/03/2019	Goodwork Holdings Pty Ltd	ARGN743 mt Fisher Wanganoo Rd 1-18/3/2019	\$ 287,236.95
INV-101829	22/03/2019	Goodwork Holdings Pty Ltd	ARGN743 Mt Fisher Wanganoo rd 19-22/3/2019	\$ 109,642.61
EFT7482	29/03/2019	Talis Consultants Pty Ltd	PAYMENT	-\$ 38,684.95
18325	03/03/2019	Talis Consultants Pty Ltd	ARGN743 Provision of Consultancy Services- progress claim no.16 for 16/2-3/3/2019	\$ 38,684.95
EFT7483	29/03/2019	Wiluna Traders	PAYMENT	-\$ 3,767.40
815468	25/03/2019	Wiluna Traders	Gallery -CDP art program supplies	\$ 327.40
814891	22/03/2019	Wiluna Traders	Appliances for U5 30 Scotia st	\$ 3,440.00
EFT7484	29/03/2019	McMahon Burnett Transport	PAYMENT	-\$ 2,056.61
0005724	28/02/2019	McMahon Burnett Transport	freight 18-25/2/2019	\$ 876.71
0006026	15/03/2019	McMahon Burnett Transport	Freight 27/2-11/3/2019	\$ 1,179.90
EFT7485	29/03/2019	Boya Equipment Pty Ltd	PAYMENT	-\$ 41.25
75420/01	15/03/2019	Boya Equipment Pty Ltd	Dust cover	\$ 41.25
EFT7486	29/03/2019	Bunnings Group Ltd (Australia)	PAYMENT	-\$ 417.20
2180/99801067	21/03/2019	Bunnings Group Ltd (Australia)	bolts and nuts	\$ 417.20
EFT7487	29/03/2019	Market Creations Pty Ltd	PAYMENT	-\$ 429.00
HZ14-1	15/03/2019	Market Creations Pty Ltd	Redraw Tjuurba Art Gallery Logo and Supplied master files	\$ 429.00
EFT7488	29/03/2019	Environmental Health & Building Services	PAYMENT	-\$ 3,267.00
56	20/03/2019	Environmental Health & Building Services	Consulting/admin service for 18-19/3/2019	\$ 3,267.00
EFT7489	29/03/2019	Comfort Style Retail Holdings No.1 Pty Ltd t/a Comfort	PAYMENT	-\$ 13,354.00
46223	21/03/2019	Comfort Style Retail Holdings No.1 Pty Ltd t/a Comfort Style	Furniture and beddings	\$ 10,154.00
46191	20/03/2019	Comfort Style Retail Holdings No.1 Pty Ltd t/a Comfort Style	lounge for U7 30 Scotia st	\$ 3,200.00
EFT7490	29/03/2019	Elite Electrical Contracting Pty Ltd	PAYMENT	-\$ 955.48
W2255	25/03/2019	Elite Electrical Contracting Pty Ltd	Checked aircond in Rec ctr, found drain pump faulty, picked up new pump, changed over, tested all ok Job completed 18/3/2019	\$ 955.48

**List of Accounts Paid By Authority
1st April 2019 to 30 April 2019**

Chq/EFT	Date	Name	Description	Amount
EFT7491	29/03/2019	Kott Gunning Lawyers	PAYMENT	-\$ 621.17
240115	27/02/2019	Kott Gunning Lawyers	RFT 2018-03 supply of plant and operators for road flood damage 1/2/2019	\$ 323.40
240117	27/02/2019	Kott Gunning Lawyers	Template:Road Access and maintenance Deed 30/7/2018, 20/2/2019	\$ 297.77
EFT7492	29/03/2019	Hines, Scott Andrew t/a S Hines	PAYMENT	-\$ 139,667.00
0237	21/03/2019	Hines, Scott Andrew t/a S Hines	Fencing and gates at new Shire admin building	\$ 54,747.00
0238	21/03/2019	Hines, Scott Andrew t/a S Hines	Fencing and gates at works depot	\$ 84,920.00
EFT7493	29/03/2019	LR & PD Ward	PAYMENT	-\$ 7,850.00
77	20/03/2019	LR & PD Ward	Explored a water bore site for Wiluna Town supply	\$ 3,850.00
76	19/03/2019	LR & PD Ward	For exploring road work water bore sites, Wanganoo, Yandal Barwidge and Granite/Peak - Lake Violet roads	\$ 4,000.00
DD4655.1	29/03/2019	LGIA Super	PAYMENT	-\$ 599.22
SUPER	29/03/2019	LGIA Super	Superannuation contributions PE29/3/2019	\$ 599.22
DD4655.2	29/03/2019	BT Super for Life	PAYMENT	-\$ 1,051.92
DEDUCTION	29/03/2019	BT Super for Life	Payroll deductions	\$ 144.23
SUPER	29/03/2019	BT Super for Life	Superannuation contributions PE29/3/2019	\$ 907.69
DD4655.3	29/03/2019	Cbus	PAYMENT	-\$ 517.50
DEDUCTION	29/03/2019	Cbus	Payroll deductions	\$ 132.69
SUPER	29/03/2019	Cbus	Superannuation contributions PE29/3/2019	\$ 384.81
DD4655.4	29/03/2019	WA Local Government Superannuation Plan	PAYMENT	-\$ 4,839.53
SUPER	29/03/2019	WA Local Government Superannuation Plan	Superannuation contributions PE29/3/2019	\$ 4,268.38
DEDUCTION	29/03/2019	WA Local Government Superannuation Plan	Payroll deductions	\$ 571.15

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DD4655.5	29/03/2019	Colonial First State-First Choice Superannuation Trust	PAYMENT	-\$ 1,182.70
SUPER	29/03/2019	Colonial First State-First Choice Superannuation Trust	Superannuation contributions PE29/3/2019	\$ 865.39
DEDUCTION	29/03/2019	Colonial First State-First Choice Superannuation Trust	Payroll deductions	\$ 317.31
DD4655.6	29/03/2019	Sunsuper Fund	PAYMENT	-\$ 390.00
SUPER	29/03/2019	Sunsuper Fund	Superannuation contributions PE29/3/2019	\$ 290.00
DEDUCTION	29/03/2019	Sunsuper Fund	Payroll deductions	\$ 100.00
31	01/04/2019	Bank Fee - BANK FEES & CHARGES	BANK FEES & CHARGES	-\$ 2.50
PAYMENT PAYROLL	02/04/2019	Commonwealth Bank Of Australia	PAYMENT	-\$ 48,999.43
PAYROLL PPP	02/04/2019	Payroll PPE 29/3/2019	Payroll PPE 29/3/2019	\$ 48,999.43
32	02/04/2019	ANZMerchan - BANK MERCHANT FEE	BANK MERCHANT FEE	-\$ 260.50
35	15/04/2019	Bank Fee - BANK FEES & CHARGES	BANK FEES & CHARGES	-\$ 43.48
80	26/04/2019	ServFee - ACCOUNT SERVICE FEE	ACCOUNT SERVICE FEE	-\$ 22.00
80	23/04/2019	Bank Fee - BANK FEES & CHARGES	BANK FEES & CHARGES	\$ 50.00
80	04/04/2019	Bank Fee - BANK FEES & CHARGES	BANK FEES & CHARGES	-\$ 43.00
EFT7497	05/04/2019	Goldstone Resources Ltd	PAYMENT	-\$ 36.89
A1260	03/04/2019	Goldstone Resources Ltd	Rates refund for assessment A1260 LOT E69/02266 MINING TENEMENT WILUNA WA 6646	\$ 36.89
EFT7498	05/04/2019	Wiluna Traders	PAYMENT	-\$ 505.23
816739	28/03/2019	Wiluna Traders	Gift card	\$ 250.00
814843	22/03/2019	Wiluna Traders	Water Aqua To Go 12LT	\$ 172.56
798677	23/01/2019	Wiluna Traders	Neverfail 15L return bottles 4x	\$ 57.52
814163	20/03/2019	Wiluna Traders	Cakes for morning tea - Keith Payne visit	\$ 25.15
EFT7499	05/04/2019	Aerodrome Management Services Pty Ltd	PAYMENT	-\$ 1,168.75
AMSV-01134	02/04/2019	Aerodrome Management Services Pty Ltd	Wiluna Daily Rate for Compliance Officer	\$ 1,168.75
EFT7500	05/04/2019	Australia Post	PAYMENT	-\$ 285.83
1008413757	03/04/2019	Australia Post	Postal service March 2019	\$ 285.83
EFT7501	05/04/2019	McLeods Barristers and Solicitors	PAYMENT	-\$ 1,837.55
107649	29/03/2019	McLeods Barristers and Solicitors	Requirement for independent project manager 20-28/3/2019	\$ 1,837.55
EFT7502	05/04/2019	BOC Gases Australia Limited	PAYMENT	-\$ 87.90
4022225498	29/03/2019	BOC Gases Australia Limited	Container service - daily tracking for 26/2-28/3/2019	\$ 87.90

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EFT7503	05/04/2019	IT Vision Australia Pty Ltd	PAYMENT	-\$ 412.50
31139	31/03/2019	IT Vision Australia Pty Ltd	PLAY account refresh out of hours	\$ 412.50
EFT7504	05/04/2019	Lavenia Ratabua ex-SFO	PAYMENT	-\$ 19.94
RFND-LRATABUA	28/08/2018	Lavenia Ratabua ex-SFO	Refund -overpaid electricity bill 28/9-25/10/2018 TI:695	\$ 19.94
EFT7506	05/04/2019	Building Commission	PAYMENT	-\$ 56.65
BSL NOV2018	30/11/2018	Building Commission	lodgement of Nov2018 BSL by the Building Services Regs 2011	\$ 56.65
EFT7507	05/04/2019	Cabcharge	PAYMENT	-\$ 6.00
25070101P1903	25/02/2019	Cabcharge	account keeping fee 24/2-24/3/2019	\$ 6.00
EFT7508	05/04/2019	Griffin Valuation Advisory	PAYMENT	-\$ 9,900.00
1628	02/04/2019	Griffin Valuation Advisory	professional valuation advisory - Asset Valuations P&E component \$7200 24 Woodley st component \$1800	\$ 9,900.00
EFT7509	05/04/2019	WINC Australia Pty Ltd	PAYMENT	-\$ 407.32
9026821542	13/03/2019	WINC Australia Pty Ltd	Stationery order	\$ 58.59
9026797875	11/03/2019	WINC Australia Pty Ltd	stationery	\$ 20.87
9026799302	11/03/2019	WINC Australia Pty Ltd	stationery	\$ 327.86
EFT7510	05/04/2019	Marketforce	PAYMENT	-\$ 606.67
27082	26/03/2019	Marketforce	The WA 2/3/2019 LG vacancies 6x2column cms	\$ 744.68
30870	01/03/2019	Marketforce	early settlment discount for Jan 2019 invoice no.26130	-\$ 23.90
30667	01/02/2019	Marketforce	early settlement discount for Dec 2018 Invoice no. 25637	-\$ 31.33

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29612	03/09/2018	Marketforce	Early Settlement Discount for Invoice no. 22880 July 2018	-\$	32.40
29815	01/10/2018	Marketforce	Early settlement discount for Aug 2018 invoice no.23458	-\$	27.09
29108	02/07/2018	Marketforce	Early settlement discount for May 2018 invoice no. 21913	-\$	23.29
EFT7511	05/04/2019	Malcolm Thompson Pumps	PAYMENT	-\$	4,182.20
SLI21091503	05/03/2019	Malcolm Thompson Pumps	Cables for town water reticulation and bores maintenance	\$	4,182.20
EFT7512	05/04/2019	Octave Holdings Pty Ltd t/a Great Southern Toyota	PAYMENT	-\$	786.50
PI33014041	02/04/2019	Octave Holdings Pty Ltd t/a Great Southern Toyota	RIM and tyre assy for CEO's new toyota Landcruiser LC200	\$	786.50
EFT7513	05/04/2019	TenderkLink (Dun and Bradstreet Australia Pty)	PAYMENT	-\$	172.70
WILUNA-270732	29/03/2019	TenderkLink (Dun and Bradstreet Australia Pty)	Public Tender Adveritsing Wiluna-854301:RFT2019-02 Wotton st revitalisation (Stage 1)	\$	172.70
EFT7514	05/04/2019	AMPAC Debt Recovery	PAYMENT	-\$	581.43
54766	31/03/2019	AMPAC Debt Recovery	Commission and costs for March 2019	\$	440.00
54767	31/03/2019	AMPAC Debt Recovery	Commission and costs for March 2019 client3106	\$	141.43
EFT7515	05/04/2019	Angela Hoy	PAYMENT	-\$	400.00
REIMB-AHOY0703	07/03/2019	Angela Hoy	4-6/3/2019 per diem Kalgoorlie for vehicle recall service P109A	\$	400.00
EFT7516	05/04/2019	Fourier Technologies	PAYMENT	-\$	3,197.55
CW-88808724	01/04/2019	Fourier Technologies	System maintenance and administration, monthly SPLA licensing and desktop support services	\$	2,677.08
CW-88808723	01/04/2019	Fourier Technologies	MS office 365 enterprise E3, Exchange online Plan 2	\$	520.47
EFT7517	05/04/2019	AVDATA AUSTRALIA	PAYMENT	-\$	753.95
225	01/04/2019	AVDATA AUSTRALIA	12-28/3/2019 billing service fees	\$	753.95
EFT7518	05/04/2019	LR & PD Ward	PAYMENT	-\$	2,200.00
79	30/03/2019	LR & PD Ward	Explored for 2 Shire Road work water bores Lake Voilet/Granite Peak road	\$	2,200.00

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EFT7519	05/04/2019	A.M Norton & R.F Norton t/a Ozzi Express	PAYMENT	-\$ 1,790.80
00000513	20/03/2019	A.M Norton & R.F Norton t/a Ozzi Express	Delivery - furniture to U5 and 7 30 Scotia st staff housing.	\$ 1,790.80
EFT7520	05/04/2019	Alcolizer Technology	PAYMENT	-\$ 4,119.50
182559	28/03/2019	Alcolizer Technology	Druglizer LE5 Drug test and cartridge OPI/AMP/COC/MET/THC	\$ 4,119.50
EFT7521	05/04/2019	Waverads	PAYMENT	-\$ 2,166.00
B8036	04/04/2019	Waverads	Waver man (blower+skin) Organge skin 6m orange	\$ 2,166.00
EFT7522	11/04/2019	Goodwork Holdings Pty Ltd	PAYMENT	-\$ 212,528.80
INV-101833	08/04/2019	Goodwork Holdings Pty Ltd	ARGN743 Mt Fisher Wonganoo Rd 23/3-5/4/2019	\$ 212,528.80
EFT7523	11/04/2019	Goldfields Toyota	PAYMENT	-\$ 496.32
JC14025658	27/03/2019	Goldfields Toyota	P109A Toyota Hilunx service for 1G00500 20000kms 5/3/2019	\$ 496.32
EFT7524	11/04/2019	ARTIST-Annette Williams	PAYMENT	-\$ 117.64
19-52ANNETTE	10/04/2019	ARTIST-Annette Williams	30x30cm Dingo Dreaming SAM2754, Synergy r/n21589	\$ 117.64
EFT7525	11/04/2019	Bunnings Group Ltd (Australia)	PAYMENT	-\$ 183.54
2180/99801930	04/04/2019	Bunnings Group Ltd (Australia)	maintenance costs for U1,2,4 of 30 Scotia st, and 21 Lennon st	\$ 183.54
EFT7526	11/04/2019	Johns Building Supplies Pty Ltd	PAYMENT	-\$ 1,747.84
852525	29/03/2019	Johns Building Supplies Pty Ltd	44 Lennon st maintenance 29/3	\$ 1,747.84
EFT7527	11/04/2019	Construction Training Fund	PAYMENT	-\$ 1,200.00
BCITF MARCH 2019	31/03/2019	Construction Training Fund	Levy payable for March 2019 BCITF 1 application collected Rangecon P/L Jundee Rd	\$ 1,200.00
EFT7528	11/04/2019	Building Commission	PAYMENT	-\$ 817.00
BSL MARCH2019	10/04/2019	Building Commission	Lodgement of March 2019 BSL as required by the Building services Regs 2011	\$ 817.00
EFT7529	11/04/2019	RSEA Pty Ltd	PAYMENT	-\$ 238.02
6734323	01/03/2019	RSEA Pty Ltd	safety boots	\$ 373.98
CREDIT6734323	13/03/2019	RSEA Pty Ltd	return of safety boot wrong size	-\$ 135.96

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EFT7530	11/04/2019	Incite Security Pty Ltd	PAYMENT	-\$ 351.00
71301	08/04/2019	Incite Security Pty Ltd	Monitoring service fee Admin office 1/4-30/6/2019	\$ 117.00
71299	08/04/2019	Incite Security Pty Ltd	quarterly monitoring service fee 1/4-30/6/2019 Art Gallery	\$ 117.00
71300	01/04/2019	Incite Security Pty Ltd	Monitoring service fee 1/4-30/6/2019 Discovery ctr	\$ 117.00
EFT7531	11/04/2019	Franco Family Trust t/a Midwest Windscreens	PAYMENT	-\$ 2,705.53
73825	07/03/2019	Franco Family Trust t/a Midwest Windscreens	fit new w/screen to P094 Ford Ranger PX 1ELM653, to P114 Holden Colorado RG 2/4 DR UTE 1GHV363	\$ 880.00
73779	07/03/2019	Franco Family Trust t/a Midwest Windscreens	P109A 1G00500 Toyota Hilux 2018 accessories plus Mileage 360kmz@\$1	\$ 1,825.53
EFT7532	11/04/2019	ARTIST - Nye Johnston	PAYMENT	-\$ 463.64
19-34NYE JOHNSTON	15/03/2019	ARTIST - Nye Johnston	60x60cm Acrylic on canvas / Martu Kunjunukura (SAM2748, TI:760)	\$ 463.64
EFT7533	11/04/2019	Wiluna Traders	PAYMENT	-\$ 1,006.10
817088	29/03/2019	Wiluna Traders	car batteries	\$ 225.00
818320	03/04/2019	Wiluna Traders	1st prize for Tidiest Yard - Bondi Community Dallas Harris	\$ 500.00
818321	03/04/2019	Wiluna Traders	Water aqua to GO 12LT, milk supplies	\$ 237.40
820246	08/04/2019	Wiluna Traders	milk supplies	\$ 43.70
EFT7534	11/04/2019	Hesperian Press	PAYMENT	-\$ 8,076.00
22959	31/07/2018	Hesperian Press	books	\$ 8,076.00
EFT7535	11/04/2019	Desart	PAYMENT	-\$ 550.00
INV-0133	18/03/2019	Desart	Full Membership fee Jan-Dec 2019	\$ 550.00
EFT7536	11/04/2019	Elite Electrical Contracting Pty Ltd	PAYMENT	-\$ 6,034.71
W2350	25/03/2019	Elite Electrical Contracting Pty Ltd	Connect up new Lennon st Bore and tested all ok 13/3/2019 3.5hrs	\$ 324.61
W2318	02/04/2019	Elite Electrical Contracting Pty Ltd	installed of UHF base radio, mast and hand held unit 28/3/2019	\$ 3,201.00
W2269	02/04/2019	Elite Electrical Contracting Pty Ltd	REprpogram town bore time clock 29/3/2019 2hrs	\$ 198.00
W2273	04/04/2019	Elite Electrical Contracting Pty Ltd	U5/30 Scotia st Installed new power point for TV, new coaxial cables for TV from dish, booked up new vast box and tested 29/3/2019 9hrs	\$ 1,557.60
W2272	04/04/2019	Elite Electrical Contracting Pty Ltd	Replaced rec ctr floodlight and tested 30/3/2019	\$ 753.50

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EFT7537	11/04/2019	Octave Holdings Pty Ltd t/a Great Southern Toyota	PAYMENT	-\$ 5,564.65
RI31100346	10/04/2019	Octave Holdings Pty Ltd t/a Great Southern Toyota	Supply of new Toyota Landcruiser LC200 4.5L T/D VX 7 seater 5450790 including Accessories (geniune,non genuine & after market) and dealer charges. As per quote # 26372	\$ 5,564.65
EFT7538	11/04/2019	Skippers Aviation Pty Ltd	PAYMENT	-\$ 385.00
6024505	31/03/2019	Skippers Aviation Pty Ltd	Tamihana Perth to Wiluna 8/4	\$ 385.00
EFT7539	11/04/2019	River Blue Holdings	PAYMENT	-\$ 570.00
4384	03/04/2019	River Blue Holdings	Catering Dinner for mining forum 12ppl 26/3/2019	\$ 300.00
4385	03/04/2019	River Blue Holdings	Catering - OCM 27/3/2019 for 12 ppl	\$ 270.00
EFT7540	11/04/2019	Hille, Thompson & Delfos	PAYMENT	-\$ 4,202.00
00018900	31/03/2019	Hille, Thompson & Delfos	Certified repeg and site survey 043-19	\$ 4,202.00
EFT7541	11/04/2019	Double R Equipment Repairs	PAYMENT	-\$ 25,515.21
L502450	31/03/2019	Double R Equipment Repairs	Service and inspection P093 Traxcavator CAT963C	\$ 25,515.21
EFT7542	11/04/2019	AFLO EQUIPMENT PTY LTD	PAYMENT	-\$ 71.50
153151	01/02/2019	AFLO EQUIPMENT PTY LTD	Level track reactivation fees. Tracking was disabled due to non payment of annual fee	\$ 71.50
EFT7543	11/04/2019	River Engineering Pty Ltd	PAYMENT	-\$ 5,764.00
WILU007	08/04/2019	River Engineering Pty Ltd	Modifed tender document and drawings for Stage 1 of WMSRP. Prepared RFQ for WMSRP stage 1	\$ 5,764.00
EFT7544	11/04/2019	Glenn Cummings	PAYMENT	-\$ 600.00
REIMB- TRANSPORT	10/04/2019	Glenn Cummings	per diem 5-7/4/2019 Policy 2.18	\$ 600.00
EFT7545	11/04/2019	Kott Gunning Lawyers	PAYMENT	-\$ 5,500.00
240549	28/03/2019	Kott Gunning Lawyers	Advice to CEO 18-26/3/2019	\$ 5,500.00
EFT7546	11/04/2019	Transport Spares & Equipment Pty Ltd	PAYMENT	-\$ 4,240.50
123264	15/03/2019	Transport Spares & Equipment Pty Ltd	Hino Dash control stop cable NSI	\$ 445.50
123661	05/04/2019	Transport Spares & Equipment Pty Ltd	Aluminium ramps	\$ 3,795.00
PAYMENT PAYROLL	16/04/2019	Commonwealth Bank Of Australia	PAYMENT	-\$ 47,312.17
PAYROLL PPP 16/04/2019	16/04/2019	Payroll PPE 12/4/2019	Payroll PPE 12/4/2019	\$ 47,312.17

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EFT7547	18/04/2019	Ngangganawili Aboriginal Health Services	PAYMENT	-\$ 200.00
44118	12/04/2019	Ngangganawili Aboriginal Health Services	Pre-employment medical 12/4 for Bradley Beaman	\$ 200.00
EFT7548	18/04/2019	WINC Australia Pty Ltd	PAYMENT	-\$ 445.69
9027030705	09/04/2019	WINC Australia Pty Ltd	Stationery and office supplies	\$ 445.69
EFT7549	18/04/2019	River Blue Holdings	PAYMENT	-\$ 480.00
4406	09/04/2019	River Blue Holdings	Catering for 15 ppl 9/4/2019 LEMC desktop exercise meeting	\$ 300.00
4362	18/03/2019	River Blue Holdings	Cateirng - informal meeting for 8 ppl 18/3/2019	\$ 180.00
EFT7550	18/04/2019	Incite Security Pty Ltd	PAYMENT	-\$ 14,850.00
71553	11/04/2019	Incite Security Pty Ltd	completion of integration of access control to dual swing gates	\$ 14,850.00
EFT7551	18/04/2019	JIVE MEDIA SOLUTIONS	PAYMENT	-\$ 132.00
3237	09/04/2019	JIVE MEDIA SOLUTIONS	Australia Post postage Wordpress plugin for Art gallery website	\$ 132.00
EFT7552	18/04/2019	Protech Solutions WA P/L	PAYMENT	-\$ 5,390.00
A0890	10/04/2019	Protech Solutions WA P/L	internet supply 100/100mb Fibre connection April 2019,unlimited data Static Ip	\$ 5,390.00
EFT7553	18/04/2019	Vanguard Press	PAYMENT	-\$ 581.90
IN021693	20/03/2019	Vanguard Press	Handling , transport and warehousing fees - March 2019	\$ 581.90
EFT7554	18/04/2019	Transport Spares & Equipment Pty Ltd	PAYMENT	-\$ 39,946.50
123819	15/04/2019	Transport Spares & Equipment Pty Ltd	100000km major service .truck to be picked up by council 5/3/2019. repairs to international waste compactor1DIQ062 quote 5952	\$ 29,568.00
123769	12/04/2019	Transport Spares & Equipment Pty Ltd	Traffic master arrow. Rear mounted LED directional arrow quote 5983	\$ 2,524.50
123817	15/04/2019	Transport Spares & Equipment Pty Ltd	Re-chroming both cluinders due to scoring marks on the cylinders, to stirp and reshim each kingpin -Rubbish Truck	\$ 7,854.00
EFT7555	18/04/2019	Fitness Equipment Warehouse	PAYMENT	-\$ 2,196.00
132900	29/03/2019	Fitness Equipment Warehouse	New gym equipment on quote132900	\$ 2,196.00

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EFT7556	18/04/2019	ARTIST-Theresa Anderson	PAYMENT	-\$ 228.36
ARTSALE- XXXXXXXXXXXX	13/04/2019	ARTIST-Theresa Anderson	16-56 Bardi Grub SAM r/n2755 (Synergy r/n21593) Sales price \$330	\$ 228.36
EFT7557	18/04/2019	ARTIST-Donavon Gilbert	PAYMENT	-\$ 3,182.51
ARTSALE- XXXXXXXXXXXX	13/04/2019	ARTIST-Donavon Gilbert	17-388, 19-47, 19-67 SAM r/n 2763,2767,2770 respectivley	\$ 3,182.51
EFT7558	18/04/2019	ARTIST-Margaret Anderson	PAYMENT	-\$ 1,494.03
ARTSALE- MANDERSON1304	13/04/2019	ARTIST-Margaret Anderson	19-5 Gathering SAM r/n2768; 19-56 Ants among the wild flowers SAM r/n 2765; 19-27 Honey Ants SAM r/n2764	\$ 1,494.03
EFT7559	18/04/2019	ARTIST-Debbie Wongawol	PAYMENT	-\$ 194.18
ARTSALE- DWONGAWOL1304	13/04/2019	ARTIST-Debbie Wongawol	19-21 Seven Sisters SAM r/n2761 (Synergy r/n21617) sales price \$97.60; 19-23 Husband and Wife SAM r/n2760 (Synergy r/n21616) sales \$183	\$ 194.18
EFT7560	18/04/2019	ARTIST-Kendra Farmer	PAYMENT	-\$ 1,677.41
ARTSALE- XXXXXXXXXXXX	13/04/2019	ARTIST-Kendra Farmer	18-57,18-97,19-24 SAM r/n2769,2759,2766	\$ 1,677.41
EFT7561	18/04/2019	Wiluna Traders	PAYMENT	-\$ 1,267.21
821448	11/04/2019	Wiluna Traders	Maggie Ashworth gift card \$500 1st prize for Tidiest Yard comp 2019	\$ 499.77
822300	15/04/2019	Wiluna Traders	liquid sugard soap 50ml	\$ 60.56
822449	15/04/2019	Wiluna Traders	petroleum 92RON ; water aqua to go 12Lt	\$ 250.80
821494	11/04/2019	Wiluna Traders	fruits for youth week funding 15/4	\$ 34.08
822945	16/04/2019	Wiluna Traders	youth week 17/3/2019	\$ 310.68
821717	12/04/2019	Wiluna Traders	CDP art program supplies	\$ 111.32
EFT7562	18/04/2019	Toll Ipec Pty Ltd	PAYMENT	-\$ 160.87
1270	12/04/2019	Toll Ipec Pty Ltd	2/4 freight for Great Southern order	\$ 133.64
1270	12/04/2019	Toll Ipec Pty Ltd	Freight for Bunnings PO4929 11/4	\$ 27.23
EFT7563	18/04/2019	Bunnings Group Ltd (Australia)	PAYMENT	-\$ 1,460.91
2180/99801673	01/04/2019	Bunnings Group Ltd (Australia)	bolts and nutsfor 44 Lennon st	\$ 462.37
2180/99800648	01/04/2019	Bunnings Group Ltd (Australia)	bolts and nuts	\$ 416.90
2180/99801463	01/04/2019	Bunnings Group Ltd (Australia)	return of goods item code4062126,4020105,3961377	-\$ 107.22
2180/99802133	09/04/2019	Bunnings Group Ltd (Australia)	bolts and nuts	\$ 395.56
2180/99801158	22/03/2019	Bunnings Group Ltd (Australia)	bolts and nut s	\$ 36.90
2180/99802258	11/04/2019	Bunnings Group Ltd (Australia)	bolts and nut s	\$ 256.40
EFT7564	18/04/2019	LO-GO Appointments	PAYMENT	-\$ 3,612.68
00419477	09/04/2019	LO-GO Appointments	Contracting Deborah Wilkes w.e.6/4/2019 at Discovery ctr	\$ 3,612.68
EFT7565	18/04/2019	Elite Electrical Contracting Pty Ltd	PAYMENT	-\$ 916.85
W2274	02/04/2019	Elite Electrical Contracting Pty Ltd	21 Lennon st replaced faulty BC holder and 10amp power point; 44 Lennon replaced faulty smoke alarm 29/3 9hrs	\$ 916.85

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EFT7566	18/04/2019	Roda Limbah Pty Ltd t/as Midwest Septics	PAYMENT	-\$ 10,440.00
INV-599	10/04/2019	Roda Limbah Pty Ltd t/as Midwest Septics	return trip from Meekatharra to Wiluna and labor ad pump out 16000lt of septic waste at 1-8 30 scotia st and Gallery plus tipping fee at refusal site, 2 tracking forms	\$ 5,220.00
INV-600	15/04/2019	Roda Limbah Pty Ltd t/as Midwest Septics	pump out 14000lt of septic waste on 15/4 at U1-8 30 Scotia st and Art gallery, tipping fee at refusal site , 2 tracking forms	\$ 5,220.00
EFT7574	26/04/2019	Lena Long (councillor)	PAYMENT	-\$ 909.17
OCM-APRIL LENA	26/04/2019	Lena Long (councillor)	Councillor's fees April 2019	\$ 909.17
EFT7575	26/04/2019	Harris Graham (councillor)	PAYMENT	-\$ 909.17
OCM-APRIL GHARRIS	26/04/2019	Harris Graham (councillor)	Councillor's fees April 2019	\$ 909.17
EFT7576	26/04/2019	Stacey Petterson (councillor)	PAYMENT	-\$ 1,323.00
OCM-APRIL	26/04/2019	Stacey Petterson (councillor)	Councillor's fees April 2019	\$ 1,323.00
EFT7577	26/04/2019	James Peter Quadrio (shire president)	PAYMENT	-\$ 3,155.32
OCM-APR	26/04/2019	James Peter Quadrio (shire president)	OCM 24/4 Councillor's fees	\$ 3,155.32
EFT7578	26/04/2019	Norma Ward (councillor)	PAYMENT	-\$ 909.17
OCM-APRIL	26/04/2019	Norma Ward (councillor)	OCM 24/4 Councillor's fees	\$ 909.17
EFT7579	26/04/2019	Caroline Elisabeth Thomas (councillor)	PAYMENT	-\$ 909.17
OCM-APRIL	26/04/2019	Caroline Elisabeth Thomas (councillor)	Councillor's fees April 2019	\$ 909.17
EFT7580	26/04/2019	Peter Grundy (councillor)	PAYMENT	-\$ 909.17
OCM-APRIL	26/04/2019	Peter Grundy (councillor)	councillor's fees April 2019	\$ 909.17
EFT7581	26/04/2019	Goodwork Holdings Pty Ltd	PAYMENT	-\$ 157,836.80
INV-101835 V2	13/04/2019	Goodwork Holdings Pty Ltd	ARGN743 Barwindgee Yandal Rd 6-11/4/2019	\$ 156,736.80
INV-101834	13/04/2019	Goodwork Holdings Pty Ltd	ARGN743 Mt Fisher Wonganoo 5/4/2019	\$ 1,100.00
EFT7582	26/04/2019	Greenfield Technical Services	PAYMENT	-\$ 10,599.60
INV-1012	31/03/2019	Greenfield Technical Services	ARGN743 Wongawol Flood damage admin for GWH, Dean Contracting documentation	\$ 2,288.00
INV-1013	31/03/2019	Greenfield Technical Services	ARGN743consultation	\$ 8,311.60
EFT7583	26/04/2019	Talis Consultants Pty Ltd	PAYMENT	-\$ 58,916.57
18499	17/03/2019	Talis Consultants Pty Ltd	TC18006 ARGN743 PPC Claim 17 4-17/3/2019	\$ 21,994.65
18504	31/03/2019	Talis Consultants Pty Ltd	TC18006 ARGN743 PPC claim 17 18-31/3/2019	\$ 36,921.92
EFT7584	26/04/2019	Dean Contracting Pty Ltd	PAYMENT	-\$ 679,605.30
INV-0424	09/04/2019	Dean Contracting Pty Ltd	ARGN743 27-29/3/2019 Windida Rd	\$ 70,400.00
INV-0423	09/04/2019	Dean Contracting Pty Ltd	ARGN743 Perenti Downs Rd 21-27/3/2019	\$ 285,365.30
INV-0419	09/04/2019	Dean Contracting Pty Ltd	ARGN743 Carnegi Rd 18/2-7/3/2019	\$ 323,840.00
EFT7585	26/04/2019	Wiluna Traders	PAYMENT	-\$ 30.94
823294	17/04/2019	Wiluna Traders	SPOnge, scourers for 44 Lennon st	\$ 30.94

List of Accounts Paid By Authority
1st April 2019 to 30 April 2019

Chq/EFT	Date	Name	Description	Amount
EFT7586	26/04/2019	Bunnings Group Ltd (Australia)	PAYMENT	-\$ 457.70
2180/99801937	04/04/2019	Bunnings Group Ltd (Australia)	materials for repair work at 21 Lennon st	\$ 100.86
2355/99802045	18/04/2019	Bunnings Group Ltd (Australia)	PPE for the shire	\$ 356.84
EFT7587	26/04/2019	LO-GO Appointments	PAYMENT	-\$ 3,636.60
00419535	16/04/2019	LO-GO Appointments	Deborah Wilkes WE13/4	\$ 3,636.60
EFT7588	26/04/2019	ARTIST-Marcia Vicky Ashwin	PAYMENT	-\$ 1,384.00
ARTSALE- 2180/99801937	18/04/2019	ARTIST-Marcia Vicky Ashwin	18-34 Enhidna Dreaming SAM r/n2773 sales price \$2000	\$ 1,384.00
EFT7589	26/04/2019	ARTIST-Stacey Petterson	PAYMENT	-\$ 1,038.00
ARTSALE- 2355/99802045	23/04/2019	ARTIST-Stacey Petterson	19-68 The Canning Stock Route SAM r/n2779 Sales \$1500	\$ 1,038.00
EFT7590	26/04/2019	ARTIST-Margaret Anderson	PAYMENT	-\$ 228.36
ARTSALE- 2180/99801937	18/04/2019	ARTIST-Margaret Anderson	19-66 Grandmother Country 19-28 LAdies digging for Honey Ants SAM r/n2774,2775	\$ 228.36
EFT7591	26/04/2019	Environmental Health & Building Services	PAYMENT	-\$ 3,267.00
57	17/04/2019	Environmental Health & Building Services	Consultation 15-16/4/2019 plus mileage claim 600kms@\$1.10	\$ 3,267.00
EFT7592	26/04/2019	Elite Electrical Contracting Pty Ltd	PAYMENT	-\$ 775.50
W2284	16/04/2019	Elite Electrical Contracting Pty Ltd	faulty bore & ctrl for septic tanks 12/4/2019 at Discovery ctr	\$ 231.00
W2288	18/04/2019	Elite Electrical Contracting Pty Ltd	SPQ, faulty Sat dish and reset all TVs' in rooms 16/4/2019	\$ 544.50
EFT7593	26/04/2019	WINC Australia Pty Ltd	PAYMENT	-\$ 286.52
9027035728	09/04/2019	WINC Australia Pty Ltd	Essetle cash drawer large	\$ 286.52
EFT7594	26/04/2019	Malcolm Thompson Pumps	PAYMENT	-\$ 220.00
SLI21092691	11/04/2019	Malcolm Thompson Pumps	Re final service report 64J002166 11/3/2019 The Grundfos pump and motor tested, all performing to required standards	\$ 220.00
EFT7595	26/04/2019	Angela Hoy	PAYMENT	-\$ 104.80
REIMB-AHOY1504	15/04/2019	Angela Hoy	DOT-rego for new street sweeper WU536 P070	\$ 104.80

List of Accounts Paid By Authority
1st April 2019 to 30 April 2019

Chq/EFT	Date	Name	Description	Amount
EFT7596	26/04/2019	Fourier Technologies	PAYMENT	-\$ 41,183.03
CW-88808764	17/04/2019	Fourier Technologies	Technician site visit 28/3-4/4, Accom 2 nights return trvl, flights ex Toowomba,males and incidentals	\$ 3,271.03
CW-88808765	17/04/2019	Fourier Technologies	cables used in the Residential WIFI project	\$ 228.46
CW-88808747	04/04/2019	Fourier Technologies	WIFI station for residential and office	\$ 37,683.54
EFT7597	26/04/2019	Eva Lau (reimb acct)	PAYMENT	-\$ 65.60
REIMB-EVA2304	21/04/2019	Eva Lau (reimb acct)	OfficeWorks 21/4 Stationery for SFO- Payment	\$ 65.60
EFT7598	26/04/2019	ALLMARK & ASSOCIATES PTY LTD	PAYMENT	-\$ 4,519.35
IN0023800	04/04/2019	ALLMARK & ASSOCIATES PTY LTD	Plates for cemetery improvement	\$ 4,519.35
EFT7599	26/04/2019	Robert Wiles	PAYMENT	-\$ 263.00
REIMB-RWILES2304	23/04/2019	Robert Wiles	6-7/4/2019 Wattle Grove mtl To pick up and drive rubbish truck from Perth to Wiluna	\$ 263.00
EFT7600	26/04/2019	ARTIST-Roberta May Abbott	PAYMENT	-\$ 62.28
ARTSALE- DD4664.1	21/04/2019	ARTIST-Roberta May Abbott	19-71 Sturt Peas	\$ 62.28
DD4664.1	05/04/2019	Horizon Power	PAYMENT	-\$ 6,745.10
303713MAR	03/04/2019	Horizon Power	L1563 Scotia st 1809.2@\$24.2678 plus supply charge 1/4/2019	\$ 539.04
376109MAR	02/04/2019	Horizon Power	2A-2C Trenton st 874@\$257520 plus supply charges 1/4/2019	\$ 279.06
456753MAR	02/04/2019	Horizon Power	46 Lennon st 80@\$25.752 plus supply charge 4/1/2019	\$ 99.85
456774MAR	02/04/2019	Horizon Power	42 Lennon st 185@\$25752 plu supply charge 1/4/2019	\$ 82.68
456767MAR	02/04/2019	Horizon Power	8 Trenton st 486@\$25.752 plus supply charge 1/4/2019	\$ 169.15
456761MAR	02/04/2019	Horizon Power	10 Trenton st 679@\$25.752 plus supply charge 1/4/2019	\$ 223.83
226488MAR	02/04/2019	Horizon Power	L555 Scotia st 76@\$25.752 plus supply charge 1/4/2019	\$ 53.01
442843MAR	02/04/2019	Horizon Power	70-74 Wotton st 8162.4@\$33.2968 plus supply charge 1/4/2019	\$ 3,007.44
123423MAR	02/04/2019	Horizon Power	91 streelights tariff charges 31/3/2019 473watts	\$ 1,540.14
152003MAR	02/04/2019	Horizon Power	L1452 Wall st 412@\$24.2678 plus supply charge 1/4/2019	\$ 164.35
273531MAR	05/04/2019	Horizon Power	L555 60C Scotia st 3@\$25.7520 plus supply charge 1/4/2019	\$ 32.33
135826MAR	02/04/2019	Horizon Power	L555 6A Scotia st 71@\$25.7520 plus supply charge 1/4/2019	\$ 51.59
262338MAR	02/04/2019	Horizon Power	L36 49 Wotton st 110@\$24.2678 plus supply charge 1/4/2019 (on charge to Wirrpanda, private work)	\$ 82.53
291146MAR	02/04/2019	Horizon Power	L113-114 61-63 Scotia st 938@\$25.7520 plus supply charge 1/4/2019	\$ 297.19
456758MAR	02/04/2019	Horizon Power	L87 48 lennon st 327@\$25.752 plus supply charge 1/4/2019	\$ 122.91

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1st April 2019 to 30 April 2019

Chq/EFT	Date	Name	Description	Amount
DD4664.2	05/04/2019	Water Corporation	PAYMENT	-\$ 8,741.43
9007224833MAR	22/03/2019	Water Corporation	L1452 Lennon st Fire Station 6@\$2.534 21/3/2019	\$ 15.20
9008841526MAR	22/03/2019	Water Corporation	L1487 U1-8 30 Scotia st 336@\$1.782 plus service charge 21/3/2019	\$ 944.12
9022772192MAR	22/03/2019	Water Corporation	L90 42 Lennon st 133@\$1.782+21@\$2.375 plus service charge 21/3/2019	\$ 329.99
9022728490MAR	22/03/2019	Water Corporation	L88 46 Lennon st 83@\$1.782+21@\$2.375 plus service charge 21/3/2019	\$ 240.89
9022725994MAR	22/03/2019	Water Corporation	L87 48 Lennon st 84@\$1.782 plus service charge 21/3/2019	\$ 192.79
9007224489MAR	22/03/2019	Water Corporation	L89 44 Lennon st service charge 21/3/2019	\$ 43.10
9007224526MAR	22/03/2019	Water Corporation	L92 38 Lennon st 85@\$1.782 plus service charge 21/3/2019	\$ 194.57
9007225465MAR	22/03/2019	Water Corporation	L1486 28 Socita st 434@\$2.534 21/3/2019	\$ 1,099.76
9010369953MAR	22/03/2019	Water Corporation	L1563 Rec ctr at Scotia st 220@\$2.534 plus sewerage non-residential 1/3-30/4(service charge for 11 major fixtures) 241.56	\$ 799.04
9007224593MAR	22/03/2019	Water Corporation	L113-114 61 Scotia st 162@\$1.782 21/3 plus service charge 30/4 plus sewerage residential	\$ 497.45
9007225756MAR	22/03/2019	Water Corporation	L301 67 Scotia st 155@\$1.782 21/3 plus service charge 30/4 plus sewerage charges 1/3-30/4 \$191.66	\$ 510.97
9022527648	22/03/2019	Water Corporation	L959 10 Trenton st 56@\$1.782, 150@\$2.375, 13@\$5.27 plus service charge 21/3	\$ 567.65
9018921757MAR	22/03/2019	Water Corporation	L963 2 Trenton st 196@\$1.782 21/3	\$ 349.27
9022527656MAR	22/03/2019	Water Corporation	L960 8 Trenton st 71@\$2.375, 32@\$5.27 plus service charge 1/3	\$ 380.37
9018632779MAR	22/03/2019	Water Corporation	L963 U1 Trenton st service charge 1/3-30/4 plus sewerage charges 1/3-30/4	\$ 195.78
9018632787MAR	22/03/2019	Water Corporation	L963 2/2 Trenton st service charge plus sewerage 1/3-30/4	\$ 195.78
9007223937MAR	22/03/2019	Water Corporation	L1506 Well st La Standpipe 1@\$2.534 plus service charge 21/3	\$ 46.89
9015538285MAR	22/03/2019	Water Corporation	L555 U1 Wells st 45@\$1.782 21/3 plus service and sewerage charges 1/3-30/4	\$ 235.36
9015538277MAR	22/03/2019	Water Corporation	L555 Unit C Wells st service and sewerage charges 1/3-30/4	\$ 155.17
9007225449MAR	22/03/2019	Water Corporation	L1511 13 Woodley st DEPOT 42@\$2.534 21/3	\$ 106.43
9015538269MAR	22/03/2019	Water Corporation	L555 unit C Wells st 6@\$1.782 21/3 plus service/Sewerage charges 1/3-30/4	\$ 165.86
9007225799MAR	22/03/2019	Water Corporation	L1506 24 Woodley st Service charge 1/3-30/4	\$ 44.36
9007224809MAR	22/03/2019	Water Corporation	L53-55 70-74 Wotton st 25@\$2.534 21/3 plus service/sewerage charges 1/3-30/4	\$ 349.27
9014070975MAR	22/03/2019	Water Corporation	L1563 Swimming pool at Wotton st 360@\$2.534 21/3 plus fire service std charge for 1 connection 1/3-30/4	\$ 956.60
9007224753MAR	22/03/2019	Water Corporation	L1524,52,81 78 Wotton st Caravan Park sewerage non-residential \$123.46 plus overdue interest \$1.30 1/3-30/4	\$ 124.76
DD4664.3	04/04/2019	Horizon Power	PAYMENT	-\$ 1,729.86
207891MAR	02/04/2019	Horizon Power	L134 Wotton st 6281@\$24.2678 plus supply charge 1/4/2019	\$ 1,729.86
DD4668.1	12/04/2019	Telstra Corporation	PAYMENT	-\$ 2,451.31
0291434100DEC	06/02/2019	Telstra Corporation	Main acc 0921434100 on usage/rental to 24 Dec 2018/24 Jan 2019	\$ 1,231.29
0291434100JAN	07/02/2019	Telstra Corporation	Main acc 0921434100 on usage/rental to 24 JAN 2019/24 Feb 2019	\$ 1,220.02

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Chq/EFT	Date	Name	Description	Amount
DD4668.2	12/04/2019	Telstra Corporation	PAYMENT	-\$ 7,952.75
0921434100FEB	04/03/2019	Telstra Corporation	Main acc 0921434100 on usage/rental to 24 Feb/March 2019	\$ 1,190.11
0921434100MAR	04/03/2019	Telstra Corporation	Main acc 0921434100 on usage/rental to 24 Mar/Apr 2019	\$ 1,145.64
0921434100DEC	01/01/2019	Telstra Corporation	Bill no. P736333902-0 minus credit (telstra ref 1143868801 dated 4/4/2019)	\$ 5,185.00
0921434100DEC	01/01/2019	Telstra Corporation	Telstra Tough Max 2 32GB mobile phone for Works Supervisor and SIM card	\$ 432.00
DD4679.1	12/04/2019	LGIA Super	PAYMENT	-\$ 548.80
SUPER	12/04/2019	LGIA Super	Superannuation contributions	\$ 548.80
DD4679.2	12/04/2019	BT Super for Life	PAYMENT	-\$ 1,051.92
DEDUCTION	12/04/2019	BT Super for Life	Payroll deductions PPE12/4/2019	\$ 144.23
SUPER	12/04/2019	BT Super for Life	Superannuation contributions	\$ 907.69
DD4679.3	12/04/2019	Cbus	PAYMENT	-\$ 517.50
DEDUCTION	12/04/2019	Cbus	Payroll deductions PPE12/4/2019	\$ 132.69
SUPER	12/04/2019	Cbus	Superannuation contributions	\$ 384.81
DD4679.4	12/04/2019	WA Local Government Superannuation Plan	PAYMENT	-\$ 4,432.54
SUPER	12/04/2019	WA Local Government Superannuation Plan	Superannuation contributions PP 12/4/2019	\$ 3,954.18
DEDUCTION	12/04/2019	WA Local Government Superannuation Plan	Payroll deductions	\$ 478.36
DD4679.5	12/04/2019	Colonial First State-First Choice Superannuation Trust	PAYMENT	-\$ 1,182.70
SUPER	12/04/2019	Colonial First State-First Choice Superannuation Trust	Superannuation contributions PPE 12/4/2019	\$ 865.39
DEDUCTION	12/04/2019	Colonial First State-First Choice Superannuation Trust	Payroll deductions	\$ 317.31
DD4679.6	12/04/2019	Sunsuper Fund	PAYMENT	-\$ 487.50
SUPER	12/04/2019	Sunsuper Fund	Superannuation contributions	\$ 362.50
DEDUCTION	12/04/2019	Sunsuper Fund	Payroll deductions	\$ 125.00
DD4681.1	14/04/2019	3E Advantage Pty Limited	PAYMENT	-\$ 2,471.88
INV-14270-B6D8L5	31/03/2019	3E Advantage Pty Limited	printing service fee for March 2019	\$ 2,471.88
DD4684.1	17/04/2019	ClickSuper Pty Ltd	PAYMENT	-\$ 4.95
DD19030857	31/03/2019	ClickSuper Pty Ltd	Transaction fees March 2019 45 trx@\$0.10	\$ 4.95

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Chq/EFT	Date	Name	Description	Amount
DD4686.1	18/04/2019	Pivotel	PAYMENT	-\$ 15.00
2619820	15/04/2019	Pivotel	satellite phone 0405645950 15/4-14/5/2019	\$ 15.00
DD4686.2	18/04/2019	Telstra Corporation	PAYMENT	-\$ 303.01
3279365211APR	07/04/2019	Telstra Corporation	TMS35 Satellite plan 8 satellite phones 7/4-6/5/2019	\$ 303.01
DD4695.1	16/04/2019	Western Australian Treasury Corporation	PAYMENT	-\$ 11,524.36
APR19 LOAN REPAY	16/04/2019	Western Australian Treasury Corporation	446321Q Loan#5 April 2019 Repayment	\$ 11,524.36
DD4699.1	21/04/2019	BP Australia Pty Ltd	PAYMENT	-\$ 88.32
10591650	31/03/2019	BP Australia Pty Ltd	ULSD G10 21/3 CEO's vehicle	\$ 88.32
DD4700.1	25/04/2019	ANZ Bank	PAYMENT	-\$ 903.98
VISA-CBASTOW3003	09/03/2019	ANZ Bank	Dodo combined home phone and ADSL U8/30 Scotia st 9/3	\$ 91.94
VISA-AHOY1103	31/03/2019	ANZ Bank	Visa -Angela 11/3 Visi max Safety Products - 2 gentle giant snake/reptile handling kits	\$ 812.04
DD4701.1	26/04/2019	Telstra Corporation	PAYMENT	-\$ 150.00
3279365229APR	10/04/2019	Telstra Corporation	My Business WBB Plan 50gb 0428128451 10/4-9/5/2019	\$ 150.00
DD4701.2	26/04/2019	Horizon Power	PAYMENT	-\$ 5,775.55
273971APR	12/04/2019	Horizon Power	Main acc billing for 28/2-27/3/2019	\$ 5,775.55
DD4714.1	26/04/2019	LGIA Super	PAYMENT	-\$ 599.22
SUPER	26/04/2019	LGIA Super	Superannuation contributions PPE 26/4/2019	\$ 599.22
DD4714.2	26/04/2019	BT Super for Life	PAYMENT	-\$ 1,011.54
DEDUCTION	26/04/2019	BT Super for Life	Payroll deductions PPE26/4/2019	\$ 144.23
SUPER	26/04/2019	BT Super for Life	Superannuation contributions PPE 26/4/2019	\$ 867.31
DD4714.3	26/04/2019	Cbus	PAYMENT	-\$ 517.50
DEDUCTION	26/04/2019	Cbus	Payroll deductions	\$ 132.69
SUPER	26/04/2019	Cbus	Superannuation contributions PPE 26/4/2019	\$ 384.81
DD4714.4	26/04/2019	WA Local Government Superannuation Plan	PAYMENT	-\$ 4,885.08
SUPER	26/04/2019	WA Local Government Superannuation Plan	Superannuation contributions PPE 26/4/2019	\$ 4,304.02
DEDUCTION	26/04/2019	WA Local Government Superannuation Plan	Payroll deductions	\$ 581.06
DD4714.5	26/04/2019	Colonial First State-First Choice Superannuation Trust	PAYMENT	-\$ 1,182.70
SUPER	26/04/2019	Colonial First State-First Choice Superannuation Trust	Superannuation contributions PPE 26/4/2019	\$ 865.39
DEDUCTION	26/04/2019	Colonial First State-First Choice Superannuation Trust	Payroll deductions	\$ 317.31

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1st April 2019 to 30 April 2019

Chq/EFT	Date	Name	Description	Amount
DD4714.6	26/04/2019	Sunsuper Fund	PAYMENT	-\$ 390.00
SUPER	26/04/2019	Sunsuper Fund	Superannuation contributions PPE 26/4/2019	\$ 290.00
DEDUCTION	26/04/2019	Sunsuper Fund	Payroll deductions	\$ 100.00
DD4715.1	27/04/2019	Commonwealth Bank Of Australia	PAYMENT	-\$ 12,139.87
MASTERCARD- CBASTOW2604	26/04/2019	Commonwealth Bank Of Australia	April expenditure on CEO's mastercard - monthly subscription fees, fuel	\$ 575.22
MASTERCARD- WOLSEN2604	26/04/2019	Commonwealth Bank Of Australia	April expenditure on DCEO's - coffee machine, fuel, accommodation for MEG mtg, job advert	\$ 7,236.92
MASTERCARD- AHOY2604	26/04/2019	Commonwealth Bank Of Australia	April expenditure on Angela's card - accommodation for staff training, diesel for rubbish Truck, parts for plants, food for Murdoch vet program	\$ 4,327.73
PAYMENT PAYROLL	30/04/2019	Commonwealth Bank Of Australia	PAYMENT	-\$ 49,314.28
PAYROLL PPP 26/4/2019	30/04/2019	Payroll PPE 26/4/2019	Payroll PPE 26/4/2019	\$ 49,314.28

Total List of Accounts Paid by Authority : -\$ 2,227,296.30

Appendix 9.2.3

Shire of Wiluna INVESTMENT REGISTER as at 30 April 2019

Shire of Wiluna INVESTMENT REGISTER as at 30 April 2019						Investments Movement				
Account or Contract note	Type	Institution	Term Days	Yield	Maturity	Balance B/fwd	Transfers In	Actual Interest	Transfers Out	Closing Balance
Municipal Account Investments										
181780156	Business Saver Acct	AMP Bank	n/a	1.80%	n/a	1,059,945		1,620	1,620	1,059,945
38053009	Cash Deposit Acct	CBA	n/a	1.45%	n/a	527,238	1,360,000	2,009	1,505,000	384,247
3001771	MM Deposit Account	Bankwest	n/a	1.70%	n/a	1,097,836		596		1,098,432
49739	Fixed Term Deposit	IMB Bank	91	2.60%	23-Apr-19	1,500,000		9,723	1,509,723	0
4817075	Fixed Term Deposit	Bankwest	60	2.45%	21-May-19	500,000				500,000
50139	Fixed Term Deposit	IMB Bank	62	2.15%	24-Jun-19		759,723			759,723
Reserve Account Investments										
38138607	Reserve Cash Deposit Ac	CBA	n/a	1.45%	n/a	14,829		52		14,881
036971	Fixed Term Deposit	NAB	90	2.65%	10-Apr-19	960,000		6,273	966,273	0
037511	Fixed Term Deposit	BoQ	91	2.55%	03-May-19	1,290,000				1,290,000
037545	Fixed Term Deposit	ME Bank	91	2.70%	06-May-19	2,000,000				2,000,000
038286	Fixed Term Deposit	WestPac	91	2.33%	04-Jun-19	745,000				745,000
038303	Fixed Term Deposit	NAB	90	2.52%	04-Jun-19	990,000				990,000
038938	Fixed Term Deposit	NAB	90	2.38%	09-Jul-19		966,273			966,273
Total Investments						10,684,848	3,085,996	20,273	3,982,617	9,808,501
Represented By:						Percentage of Total				
L072300	Reserve - Airport			20.23%		1,163,197		1,280		1,164,476
L072100	Reserve - Asset Replacement			50.49%		2,902,739		3,194		2,905,932
L072200	Reserve - Computer			1.88%		108,215		119		108,334
L072400	Reserve - Leave			3.17%		182,484		201		182,685
L072500	Reserve - Wiluna Telecentre			0.30%		17,000		19		17,019
L072505	Reserve - Caravan Park			0.82%		46,922		52		46,974
L072506	Reserve - Canning-Gunbarrel Discovery Centre			6.10%		350,809		386		351,195
L072507	Reserve - Unspent Grants			Not Applicable		250,959				250,959
L072508	Reserve - Community Development			4.43%		254,720		280		255,001
L072509	Reserve - Public Infrastructure			0.00%		0		0		0
L072510	Reserve - Plant			10.83%		622,733		685		623,418
L072511	Reserve - Retentions			1.74%		100,050		110		100,160
Sub Total Reserves				100.00%		5,999,829	0	6,325	0	6,006,154
Muni Fund Term Deposits						2,000,000	759,723	9,723	1,509,723	1,259,723
Muni Fund Call Deposits						2,685,019	1,360,000	4,225	1,506,620	2,542,624
Sub Total Non-Reserves						4,685,019	2,119,723	13,948	3,016,344	3,802,347
Total Funds Invested						10,684,848	2,119,723	20,273	3,016,344	9,808,501

ENERGIZE TOMORROW

APPENDIX 9.3.2.

10 June 2019, Broome WA

JOINT KIMBERLEY PILBARA REGIONAL FORUM

Date: 10 June 2019
Location: Broome
Venue: Mangrove Hotel



PILBARA
REGIONAL
COUNCIL



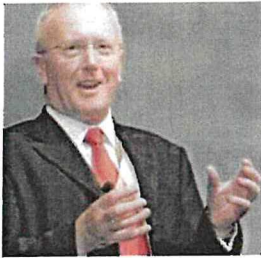
COCOS
ISLANDS



WALGA

ENERGIZE TOMORROW

10 June 2019, Broome WA



Master of Ceremonies

Gerry Gannon

Gerry is one of Australia's most experienced MCs, delivering forums filled with information and insight, combining humour with cutting-edge questions, to add value to every event he facilitates.

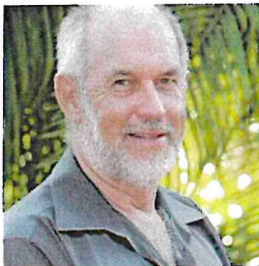
8am-9am

Registrations Open

Join fellow delegates for a tea or coffee and a chat after picking up your delegate pack.

9am

Welcome to the Kimberley



Mr Chris Mitchell

Chair

Kimberley Zone and

Kimberley Regional Group

9:15 am

Australian Context

Senator Dean Smith



Dean Smith was appointed a Senator for WA in May 2012. In his first five years, Senator Smith has been a champion for WA issues. A frequent visitor to the Kimberley and Pilbara, Dean has a strong understanding of both the issues and opportunities and how they may play out on the national stage.

9:45am

Powering Business

Diedre Willmott



Diedre has an extensive understanding of the key priorities for economic growth having been Director of External Relations for Fortescue Metals, CEO of the Chamber of Commerce and Industry (WA) and Chief of Staff to the Premier. She was also Vice President and Chair of the Infrastructure Committee with the Chamber of Minerals and Energy (WA). She is currently a Non-Executive Director with Australia Post and a Director of Kimberley Foundation of Australia.

10:30

MORNING TEA

ENERGIZE TOMORROW

10 June 2019, Broome WA

11am

Understanding the New Energy Economy

This session will bring you an overview of the current activity and opportunity in the energy sector across the Pilbara and Kimberley regions. With presentations confirmed from a diverse range of companies and organisations this session will underpin discussion in the afternoon sessions.

12:30

Lunch

1:30pm

Partners and Opportunities

The key stakeholders that "make it happen" will then share the stage to discuss the prospects and how government at all levels can support the realisation of those opportunities.

3pm

AFTERNOON TEA

3:30

Towards Tomorrow

What are the key ingredients for translating opportunities into reality? How do we work together across the north to deliver the transformational infrastructure that benefits us all. This session unpacks the experiences of two local governments at different stages of the process.

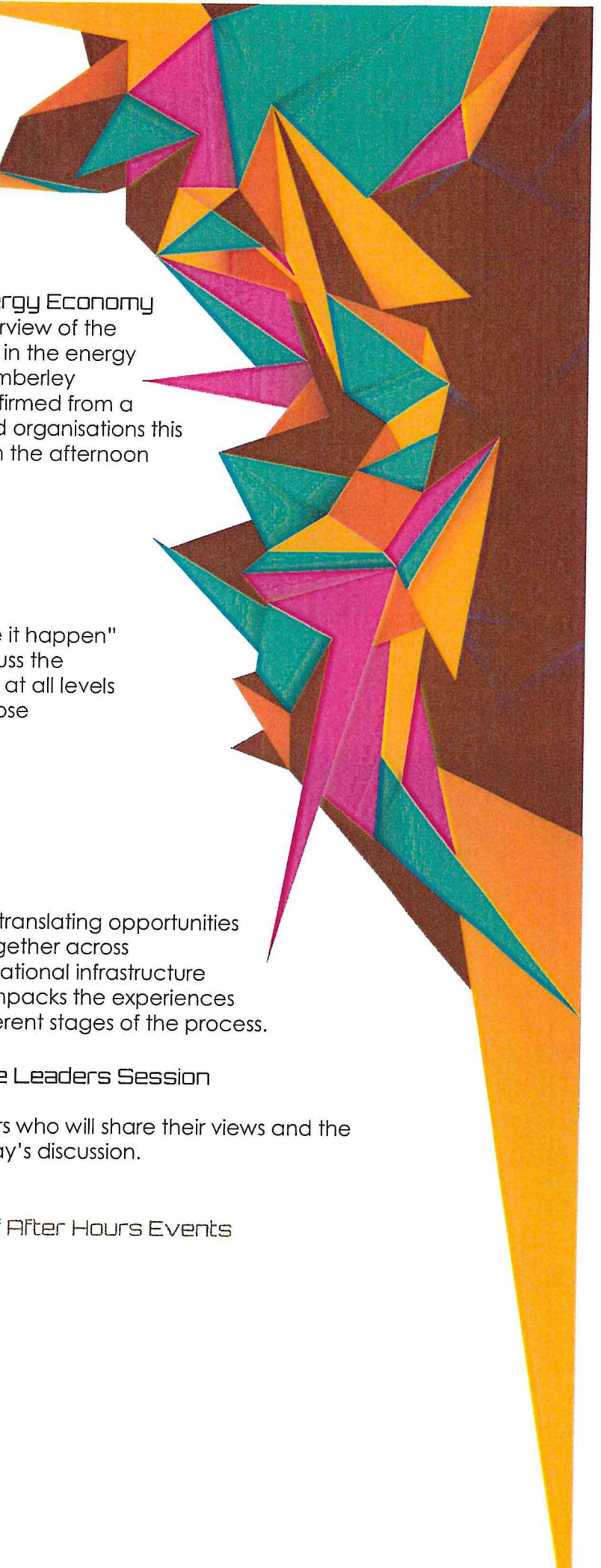
4:30

Lessons and Messages – the Leaders Session

Join the conversation with leaders who will share their views and the take away messages from the day's discussion.

5pm

Close and commencement of After Hours Events



ENERGIZE TOMORROW

10 June 2019, Broome WA

After Hours Events

(included in registration)

5pm Networking Drinks

6PM Forum Dinner
Mangrove Hotel Broome

Join us for an evening of networking and delicious food to round out the day.



ENERGIZE TOMORROW

10 June 2019, Broome WA

Keynote Speakers



Senator Dean Smith

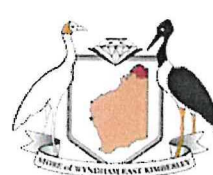
Dean Smith was appointed a Senator for WA in May 2012. Senator Smith has been a champion for WA issues, including being the first WA Federal Liberal parliamentarian to call for a fairer share of the GST for WA and serving on the Joint Select Committee for Northern Australia and the Joint Select Committee for Trade and Investment growth. Senator Smith is a regular visitor to the Kimberley and has worked to support the region on key issues such as the upgrade of the Tanami Road.



Deidre Willmott

B.Juris, LLB (UWA), LLM (Melb), MAICD

Deidre Willmott was appointed to the Australia Post board in June 2017 and brings organisational transformation, government relations, public policy and business expertise to this position. An experienced Chief Executive Officer with a background in the management consulting industry, she has expertise in crisis management, corporate social responsibility and government relations. Ms Willmott was CEO of the Chamber of Commerce and Industry of Western Australia and is a former lawyer having held senior roles with Fortescue Metals Group Ltd and was Chief of Staff to the Premier of Western Australia. Ms Willmott is also a director of Kimberley Foundation of Australia, Chair of St Hilda's Anglican School for Girls and the Perth USAsia Centre. Ms Willmott graduated from University of Melbourne.



Shire of Derby /
West Kimberley

ENERGIZE TOMORROW

10 June 2019, Broome WA

Speakers and Panellists



George Bauk
Managing Director/CEO
Northern Minerals

Mr Bauk is senior executive, with 25 years' experience in the resources industry. Prior to Northern Minerals, Mr Bauk held global operational and corporate roles with WMC Resources, Arafura Resources and Western Metals. He has a strong background in strategic management, business planning, building teams, finance and capital/debt raising, and experience with a variety of commodities in particular rare earths and nickel. As Managing Director of Northern Minerals since 2010, he has led its rapid development from a greenfields heavy rare earth explorer to now being poised to become the next global producer of high value dysprosium outside of China. George is a passionate member of the WA resources industry holding a number of senior governing positions with the Chamber of Minerals and Energy. George is also non-Executive Chairman of Lithium Australia NL. Mr Bauk holds a Bachelor of Business from Edith Cowan University and a MBA from the University of New England.



Grant Cucel
Deputy Mayor
City of Karratha

Mr Cucel has an extensive business background having run his own recruitment business for 10 years. He was the 2012 inductee into the Western Australian Regional Small Business Hall of Fame and was recognised as the 2013 City of Karratha Citizen of the Year. For nine years, he held the role of chair of the Small Business Centre West Pilbara and strongly advocated for small and medium enterprises in regional Western Australia. Mr Cucel was appointed to the Small Business Development Corporation Board in October 2017. Having sold his recruitment business to a publicly listed company, Mr Cucel, now has a strong focus on assisting a cross section of organisations in a voluntary capacity, in addition to his role as Deputy Mayor at the City of Karratha. Mr Cucel has a Bachelor of Business Degree (first class honours) from Curtin University of Technology.



Senator Pat Dodson

Senator Dodson is a Yawuru man from Broome in Western Australia. He has dedicated his life work to being an advocate for constructive relationships between Indigenous and non-Indigenous peoples based on mutual respect, understanding and dialogue. He is a recipient of the Sydney International Peace prize. Patrick has extensive experience in Aboriginal Affairs, previously as Director of the Central and Kimberley Land Councils and as a Commissioner in the Royal Commission into Aboriginal Deaths in Custody. He also served as inaugural Chair of the Council for Aboriginal Reconciliation and as Co-Chair of the Expert Panel for Constitutional Recognition of Indigenous Australians.

ENERGIZE TOMORROW

10 June 2019, Broome WA

Speakers and Panellists



Jeff Gooding
CEO
Kimberley Development Commission

Mr Gooding has held the position of Chief Executive of the Kimberley Development Commission since the Commission's establishment and is a Member of the Board of the Commission. He is a long term resident of Kununurra and the Kimberley, has qualifications in town and regional planning, is a graduate and fellow of the Australian Rural Leadership Foundation, Member of the Australian Institute of Company Directors and is Justice of the Peace and former Shire Councillor. Having participated in the negotiation process which culminated in several key Native Title Agreements, Mr Gooding continues to be substantially involved in related implementation including as a Director of the Miriuwung Gajerrong Community Foundation. He has been closely involved in the development, and initial implementation, of the Ord/East Kimberley Expansion Project and associated Land Releases. Mr Gooding is a member of a range of Regional Planning processes and Chairman or member of various regional steering and coordinating groups.



Dr Richard Finlay Jones
Director
Pilbara Solar

Dr Finlay Jones is a renewable energy developer and private consultant specializing in the development and management of renewable energy projects. He has been directly involved in the development and approval of over 3000MW of wind energy projects, from greenfield site assessment through to full permitting. Pilbara solar develops commercial scale solar projects to provide power to the mining industry, government and business in long term, low cost, fixed price agreements.



Terry Hill
CEO
Pilbara Development Commission

Terry Hill is currently the Chief Executive Officer of the Pilbara Development Commission, a position he has held for the past three years. Prior to taking up his current position he was an Executive Director at the Department of Agriculture and Food, working with the irrigated agriculture sector. He has held a number of senior roles in the Western Australian government and at a national level. He has carried out the roles as a Director and the Deputy Chair of the Grape and Wine Research and Development Corporation and was a foundation Director of Horticulture Australia Ltd. He has also worked internationally leading a significant project in Indonesia, has lead industry trade missions to Asia and managed the commercialisation of intellectual property. Mr Hill holds a Bachelor of Science in Agriculture, a Masters in Agribusiness and is a Fellow of the Australian Institute of Company

ENERGIZE TOMORROW

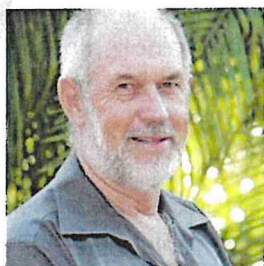
10 June 2019, Broome WA

Speakers and Panellists



Bruce McFadzean
Managing Director
Sheffield Resources Ltd

A qualified mining engineer with more than 35 years' experience in the global resources industry, Mr McFadzean has led the financing, development and operation of several new mines around the world. His skills are driving the development of Sheffield's world-class Thunderbird Minerals Sands Project. Mr McFadzean's professional career includes 15 years with BHP Billiton and Rio Tinto in a variety of positions and four years as Managing Director of successful Western Australia gold miner Catalpa Resources Limited (ASX:CAH). Under his management, Catalpa's market capitalisation grew from \$10 million to \$1.2 billion following the Evolution merger. He has raised in excess of A\$350 million in debt and equity from Australian and overseas markets.



Mr Chris Mitchell
Chair
Kimberley Zone and Kimberley Regional Group

Chris has lived in the Kimberley for over 33 years and knows the region well. He has held the position of Executive Officer of Regional Development Australia – Kimberley for eight years and is passionate about regional development opportunities that benefit the regional community. He is very active in the community through many organizations and committees and is a Governing Council member on the Kimberley Institute of Training (TAFE), a Ministerial appointee to the Rural and Remote Education Advisory Council, and a member of the Broome District Health Advisory Council. A serving Councillor with the Shire of Broome for over 24 years, he is currently the Broome Shire's representative and Chair of the Kimberley Zone of Council and a State Councillor. Mr Mitchell is a Life Member of WALGA and is a State representative on a number of Emergency Management committees.



Dr Rick Rogerson
Executive Director
Department of Mines, Industry Regulation and Safety

Rick Rogerson joined the department in late 1995 and was appointed to this role in 2010. Before returning to Australia in 1995, Rick held executive positions in the Papua New Guinea Department of Mines and Petroleum. He has more than 35 years' experience in geoscience, mineral policy advice and management, including consultancy work providing technical assistance, mainly in mineral policy and strategic management.

ENERGIZE TOMORROW

10 June 2019, Broome WA

PART 1: ORGANISATION DETAILS

Organisation Name

Postal Address

Booking Contact Name

Booking Contact Phone

Booking Contact Email

PART 2: PAYMENT DETAILS

Payment

An invoice will be sent to the contact person listed above with payment options.

Purchase Order Number

PART 3: REGISTRATION SUMMARY

♦ Sessions

Full Registration Inclusions

♦ Morning & afternoon tea

♦ Forum Dinner on the 10th June 2019

Early Bird Full registration
(on or prior to 10 May 2019)

\$395 (inclusive of GST) per person inclusive of sessions and dinner

Full registration
(from 11 May 2019)

\$495 (inclusive of GST) per person

Dinner Only

\$132 includes a delicious meal, soft drink, wine and beer.

Number of full registrations

@ \$395

Dinner only registrations

@ \$132

ENERGIZE TOMORROW

10 June 2019, Broome WA

PART 4: FORUM PARTICIPANT DETAILS —FULL REGISTRATION

Delegate Details: If same as **BOOKING** contact please indicate "as above."

Name:

Name on Badge (if different)

Position

Contact Number:

Contact Email:

Dietary Requirements:

Access
Requirements:

Delegate Details:

Name:

Name on Badge (if different)

Position

Contact Number:

Contact Email:

Dietary Requirements:

Access
Requirements:

Delegate Details:

Name:

Name on Badge (if different)

Position

Contact Number:

Contact Email:

Dietary Requirements:

Access
Requirements:

PLEASE DUPLICATE PAGE IF MORE DELEGATES ARE TO BE REGISTERED

ENERGIZE TOMORROW

10 June 2019, Broome WA

PART 5: DINNER ONLY REGISTRATION – USE ONLY FOR ADDITIONAL DINNER GUESTS

Guest One Details:

Name

Position

Organisation

Contact Number

Contact Email

Dietary Requirements

Access

Requirements:

Guest Two Details:

Name

Position

Organisation

Contact Number

Contact Email

Dietary Requirements

Access

Requirements:

Guest Three Details:

Name

Position

Organisation

Contact Number

Contact Email

Dietary Requirements

Access

Requirements:

DUPLICATE PAGE IF MORE GUESTS ARE TO ATTEND THE DINNER