OVERVIEW .......................................................................................................................... 3

SAFETY ................................................................................................................................... 4
1.1. Incidents and Injuries .................................................................................................... 4
1.2. Lost Time Injuries & Days Lost .................................................................................. 5

FINANCE .................................................................................................................................. 6

MAINTENANCE ACTIVITIES .............................................................................................. 7
3.1 Road and Drainage Maintenance Activities ............................................................... 7
3.2 Unsealed Road Maintenance Activities ..................................................................... 8
3.3 Open Drainage Maintenance .................................................................................... 9
3.4 Bridge Management ................................................................................................... 9
3.5 Cyclone Debbie – REPA Repairs and Category D Betterment/Beach Restoration ....... 9

CLIENT SURVEYS ........................................................................................................ 11
4.1 Requests for Maintenance Work .............................................................................. 11

Projects ............................................................................................................................ 12
5.1 Significant Projects ................................................................................................... 12
OVERVIEW

This report is for Transport and Drainage activities during the month of July 2018. Significant items in this period include:

- There were no LTI's incidents recorded for July 2018.
- The grading teams are continuing to undertake formation grading and gravelling maintenance works in conjunction with approved NDRRA works. A Civil Projects grader crew is being utilised over the next 4 months in order to deliver the targeted outcomes.
- A three-month programme of heavy patching/pavement failure repairs has commenced with a focus on the urban areas. The initial works being undertaken on the southside of Mackay City.
- We have been successful in receiving re-registration of our Traffic Management activities with Department of Transport and Main Roads for a further two years, for traffic management on TMR road network.
- The Transport & Drainage Advisory board meeting was held on the 19th July 2018.
- Customer satisfaction survey results for the May to June 2018 period were in line with target performance and continues to remain a focus for all staff.

Director Engineering & Commercial Infrastructure
SAFETY

1.1. Incidents and Injuries

The incident statistic details a summary of the Transport and Drainage safety incident performance. Transport and Drainage aspire to achieve zero harm with a stretch target of zero injuries.

July 2018 Summary:

<table>
<thead>
<tr>
<th>No. of Incidents</th>
<th>Mechanism of injury</th>
<th>Injury Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Being hit by moving objects</td>
<td>Medical Treatment Injury</td>
</tr>
<tr>
<td>3</td>
<td>Being hit by moving objects</td>
<td>Asset Damage</td>
</tr>
<tr>
<td>4</td>
<td>Vehicle Incident</td>
<td>Asset Damage</td>
</tr>
</tbody>
</table>
1.2. **Lost Time Injuries & Days Lost**

Transport and Drainage aspires to achieve zero Lost Time Injuries by improving safety performance by developing a proactive safety culture and implementing best practice safety management across all business areas.

**July 2018 Summary:**

Eight (8) incidents were reported during July 2018. For the 2018/2019 year to date, there have been no Lost Time Injuries.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Operations</td>
<td>8</td>
<td>214</td>
<td>3</td>
<td>130</td>
<td></td>
<td></td>
<td>3</td>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Projects</td>
<td>3</td>
<td>19</td>
<td>1</td>
<td>11</td>
<td></td>
<td></td>
<td>3</td>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Services</td>
<td></td>
<td></td>
<td>1</td>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport &amp; Drainage</td>
<td>11</td>
<td>233</td>
<td>3</td>
<td>158</td>
<td>3</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## FINANCE

### 2.1. Operational Financial Report - 1 July 2018 - 31 July 2018

<table>
<thead>
<tr>
<th></th>
<th>Original Budget</th>
<th>YTD Budget</th>
<th>YTD Actual</th>
<th>YTD Variance</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.01 - Engineering Management</td>
<td>(786,298)</td>
<td>(517,571)</td>
<td>(517,274)</td>
<td>397</td>
<td>Timing differences</td>
</tr>
<tr>
<td>5.02 - Civil Operations</td>
<td>18,646,814</td>
<td>1,263,389</td>
<td>1,236,253</td>
<td>(27,136)</td>
<td></td>
</tr>
<tr>
<td>5.03 - Technical Services</td>
<td>5,562,924</td>
<td>216,983</td>
<td>112,157</td>
<td>(104,827)</td>
<td></td>
</tr>
<tr>
<td>5.06 - NDRRA</td>
<td>(1,996,923)</td>
<td>36,190</td>
<td>-</td>
<td>(35,190)</td>
<td></td>
</tr>
<tr>
<td><strong>Operating result</strong></td>
<td><strong>21,428,517</strong></td>
<td><strong>997,891</strong></td>
<td><strong>831,136</strong></td>
<td><strong>(166,755)</strong></td>
<td></td>
</tr>
</tbody>
</table>

% YTD Variance of YTD Budget

- **YTD Variance favourable of budget**
- **YTD Variance unfavourable, between 0% and 5% of YTD Budget**
- **YTD Variance unfavourable, more than 5% of YTD Budget**

**Operating Result**

- **YTD Budget**
- **YTD Actual**
3.1 Road and Drainage Maintenance Activities

The following chart details maintenance activities completed during the period as recorded in our Maintenance Management System, DeltaS, including a three-month average.

Road verge slashing operations have been suspended due to the continuing dry conditions and risk of fires, with the crew personnel being utilised to fill vacant roles due to leave arrangements and resignations and reduce labour hire engagements.

A three-month programme of heavy patching/pavement failure repairs has commenced with a focus on the urban areas. The initial works being undertaken on the southside of Mackay City. A skid steer loader with a profiler attachment has been hired to supplement our existing patching crew resources. Sections of crocodile cracked or deformed pavement/surfacing are being excavated and replace with hot mix asphalt with the depth of excavation being dependent on type of failure.
We have been successful in receiving re-registration of our Traffic Management activities with Department of Transport and Main Roads for a further two years, for traffic management on TMR road network.

Permits and approvals to extract water from natural creeks, irrigation pipelines and dams for road maintenance purposes have been sought and received from the Department of Natural Resources, Mines & Energy (DNRME) and Sunwater.

3.2 Unsealed Road Maintenance Activities

The grading teams are continuing to undertake formation grading and gravelling maintenance works in conjunction with approved NDRRA works. A Civil Projects grader crew is being utilised over the next 4 months in order to deliver the targeted outcomes, taking advantage of the continuing favourable weather conditions. Good outcomes are being delivered with a total of 34.6km of grading and 6.3km of shoulder repairs being undertaken during the month.
3.3 Open Drainage Maintenance

Open drainage mowing and general maintenance has continued during the reporting period. The dry weather has slowed vegetation growth allowing other maintenance works to be caught up. High profile drains are continuing to be mowed and maintained as per the program of works.

Special maintenance works are continuing with the Bunya Way Drain being re-profiled and rock lined to provide for machinery access and better maintenance outcomes during the wet season.

3.4 Bridge Management

Bridge Consultants, Pitt & Sherry have completed the 2018 scheduled Level 2 Inspections and are in the process of updating the Bridge Management Plan.

The rehabilitation or replacement of Caping Road Bridge over the O'Connell River is being investigated with consultants AECOM currently undertaking hydraulic analysis for evaluation and assessment of immunity levels and bridge heights.

3.5 Cyclone Debbie – REPA Repairs and Category D Betterment/Beach Restoration

Category B

The detailed design for the proposed restoration works for landslips on Mt Blackwood Access Road, Chel mans Road & Dalrymple Road has commenced with construction starting in September on Mt Blackwood Access Road and on the other two roads, under one contract in October & November.
The grading and gravelling of the damaged sections of the unsealed road network is continuing. These works are being undertaken in conjunction with routine maintenance works. Other restoration works are progressing, particularly in the area south of Sarina.

The detailed design for the Clews Road floodway is nearing completion. The permit application from Department of Fisheries & Agriculture was been lodged. It is proposed to commence construction in September/October 2018.

Category D

The Hinton Road causeway project was completed at the end of July. The Graham Road culvert replacement project will be started in late August. The bow culverts for the project have been ordered and will be delivered in early August.

The sand nourishment at Grasstree Beach and Seaforth North & South have been completed and the revegetation works has been undertaken at Grasstree Beach and will be undertaken at Seaforth in August.

The design of the major restoration beach works, to pre STC Debbie condition, at Midge Point and at Lamberts Beach has been completed. The approval of the required permits is expected in mid-August. The contract for the supply of the geotextile sand containers for Midge Point geobag wall has been awarded. Tenders for the wall construction were called in mid-July so that the works can commence in September 2018. The construction of the Lamberts Beach sand nourishment works will be undertaken starting in September/October 2018.

The beach nourishment studies to support the funding for Midge Point ($2.59M) and Lamberts Beach ($1.73M) have been received from AECOM. The study for Midge Point has been accepted by QRA. The Lamberts Beach study has been reviewed by Dept. of Environment & Science and after some revisions will be recommended for acceptance by QRA. This is expected by mid-August.

Site survey for the St Helens Beach groyne project ($0.24M) has been completed. The detailed design will be prepared in August together with the necessary permit. It is anticipated that works will be undertaken in November/December 2018.
4.1 Requests for Maintenance Work

Results of Survey (May '18 - Jun '18)

**Civil Operations**

- **Attitude of staff receiving request**
  - Very Good: 77.4%
  - Good: 19.4%
  - Fair: 1.6%
  - Poor: 0.0%
  - Very Poor: 1.6%

- **Attitude of staff attending request**
  - Very Good: 63.1%
  - Good: 24.1%
  - Fair: 8.6%
  - Poor: 1.7%
  - Very Poor: 3.4%

- **Time taken to address request**
  - Very Good: 40.2%
  - Good: 32.3%
  - Fair: 4.6%
  - Poor: 4.6%
  - Very Poor: 9.2%

- **Appearance of completed work**
  - Very Good: 46.2%
  - Good: 29.2%
  - Fair: 13.3%
  - Poor: 3.1%
  - Very Poor: 9.2%

- **Degree work addresses request**
  - Very Good: 50.0%
  - Good: 28.8%
  - Fair: 7.6%
  - Poor: 3.0%
  - Very Poor: 10.6%

- **Overall satisfaction with response**
  - Very Good: 46.3%
  - Good: 32.8%
  - Fair: 4.5%
  - Poor: 3.0%
  - Very Poor: 10.4%

**Representative Comments**
- Top class.
- Excellent response. Fixed next day.
- Very good.
- Potholes in road started again after two days.
- Very safe now.
- Left in very good state.
- Good result.
- Part of job not complete.
- Timely and efficient.
- Road needs to be sealed mainly the bends the first 1/2km of the road is already getting corrugated.
## 5.1 Significant Projects

Significant Projects are assessed considering the Project Cost, the Project Risk and/or Community Interest. The following information was current as of 31 July 2018.

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>PHASE</th>
<th>PHASE % COMPLETE</th>
<th>INDICATORS</th>
<th>ORIGINAL BUDGET DETAILS</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Acquisition and Drain Construction Ferris Gully</td>
<td>Con</td>
<td>80%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: September 2018</td>
<td>Original Budget: $6.7M (over multiple years)</td>
</tr>
<tr>
<td>Casey Avenue Upgrade –</td>
<td>Con</td>
<td>35%</td>
<td>Schedule</td>
<td>$1,700,000</td>
<td>Works on stage 1 (Bridge road to Leisure court) are on track and proceeding.</td>
</tr>
<tr>
<td>Fourways Drainage</td>
<td>Design</td>
<td>90%</td>
<td>Schedule</td>
<td>Scheduled Completion Date: March 2019</td>
<td>Progressing with review of tender. Further discussion required with council to confirm the final direction.</td>
</tr>
<tr>
<td>Cod Hole</td>
<td>Con</td>
<td>30%</td>
<td>Schedule</td>
<td>Scheduled Completion Date:</td>
<td>Works progressing to schedule.</td>
</tr>
<tr>
<td>PROJECT</td>
<td>PHASE</td>
<td>PHASE % COMPLETE</td>
<td>INDICATORS</td>
<td>ORIGINAL BUDGET DETAILS</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>--------------</td>
<td>-------</td>
<td>------------------</td>
<td>-----------------------</td>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Rocky Creek Bridge</td>
<td>Con</td>
<td>80%</td>
<td>Schedule</td>
<td>November 2018</td>
<td>Scheduled Completion Date:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Budget</td>
<td></td>
<td>September 2018</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other Issues/ Risk</td>
<td></td>
<td>Original Budget: $1.5M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Amended Budget: $1.5M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Original Budget: $3.2M</td>
<td>Amended Budget: $3.2M</td>
</tr>
</tbody>
</table>