Engineering and Commercial Infrastructure - Transport & Drainage
Monthly Review
October 2019
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OVERVIEW

This report is for Transport and Drainage activities during the month of October 2019. Significant items in this period include:

- There were no LTIs during the month of October 2019, however, there were 9 safety incidents including vehicle damage, muscular stress, being hit by moving objects and psychological.

- Asset Management Data Cleansing Project Team established to address erroneous and missing data in the Asset Register. Roads Assets’ cleanse was completed as part of the Civil Operations Maintenance Management System implementation. Footpaths and drainage assets are now the priority.

- Implementation of the Assetic Maintenance Management System for roads and drainage assets is progressing well with “go live” successfully occurring on Monday, 28 October 2019. Our ongoing focus is in supporting and upskilling supervisory and field personnel with the change to enable full utilisation of the system.

- Our internal Grading Crews and a contract Grading Crew are continuing formation grading and gravelling on the unsealed roads as well as shoulder grading on the sealed roads and Monsoon Trough Restoration Works where applicable.

- Preparation of Business Cases continued for the Transport & Drainage Advisory Board Meeting scheduled for mid-November 2019.

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 aspires to achieve zero harm with a stretch target of zero injuries.

### October 2019 Summary:

<table>
<thead>
<tr>
<th>No. of Incidents</th>
<th>Mechanism of Injury</th>
<th>Injury Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Vehicle Incidents</td>
<td>Asset Damage</td>
</tr>
<tr>
<td>2</td>
<td>Muscular Stress</td>
<td>Suitable Duties Injury</td>
</tr>
<tr>
<td>1</td>
<td>Being Hit by Moving Objects</td>
<td>Near Miss</td>
</tr>
<tr>
<td>1</td>
<td>Psychological</td>
<td>Non-Treatment Injury</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.

October 2019 Summary:

9 incidents were reported during October 2019. There has been one (1) Lost Time Injury for the 2019/2020 year to date.

<table>
<thead>
<tr>
<th>Department</th>
<th>LTI Days Lost</th>
<th>LTI Days Lost</th>
<th>LTI Days Lost</th>
<th>LTI Days Lost</th>
<th>LTI Days Lost</th>
<th>LTI Days Lost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Operations</td>
<td>3</td>
<td>130</td>
<td>3</td>
<td>21</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>Transport &amp; Infrastructure Projects (field)</td>
<td>1</td>
<td>11</td>
<td></td>
<td>1</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>Technical Services</td>
<td>1</td>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport &amp; Drainage</td>
<td>5</td>
<td>158</td>
<td>3</td>
<td>21</td>
<td>1</td>
<td>13</td>
</tr>
</tbody>
</table>

0 2015-16 2016-17 2017-18 2018-19 2019-20

TADAB Total Days Lost TADAB Total LTIs

158 5 3 21 13 62
## FINANCE

### 2.1. Operational Financial Report - 1 October 2019 - 31 October 2019

<table>
<thead>
<tr>
<th>Financial Performance Report</th>
<th>Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Period Covered: 1 July 2019 to 31 October 2019</td>
<td>% YTD Variance of YTD Budget</td>
</tr>
<tr>
<td>Revised Budget</td>
<td>YTD Budget</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td>5.01 - Engineering Management</td>
<td>(798,756)</td>
</tr>
<tr>
<td>5.02 - Civil Operations</td>
<td>19,106,883</td>
</tr>
<tr>
<td>5.03 - Transport and Drainage Infrastructure Planning</td>
<td>4,760,590</td>
</tr>
<tr>
<td>5.04 - Asset Management</td>
<td>1,925,329</td>
</tr>
<tr>
<td>Operating (surplus) / deficit</td>
<td>24,994,046</td>
</tr>
</tbody>
</table>

### Operating (Surplus) / Deficit

![Operating (Surplus) / Deficit Graph](chart.png)
3.1 Road and Drainage Maintenance Activities

The following chart details maintenance activities completed during the period as recorded in our DeltaS Maintenance Management System (MMS), together with the monthly average.

Implementation of the Assetic Maintenance Management System (MMS) for roads and drainage assets is progressing well with “go live” successfully occurring on Monday, 28 October 2019. Our continuing focus is on support and upskilling of supervisory and field personnel to enable full utilisation of the system. The objective is that all maintenance activities will only be undertaken with an Assetic MMS Work Order.

Road and footpath inspections will commence on Monday, 4 November 2019 using the Assetic inspection process.

The suspension of rural road verge slashing on all TMR and Mackay Regional Council roads is still in place.
3.2 Unsealed Road Maintenance Activities

Our Grading Crews are continuing formation grading and gravelling on the unsealed roads as well as shoulder grading on the sealed roads. The crews are also undertaking Monsoon Trough Restoration Works in conjunction with maintenance grading where applicable. The Contract Grader Crew is focusing on the Monsoon Trough Restoration Works.

3.3 Open Drainage Maintenance

Routine open drainage mowing is continuing in line with the Program of Scheduled Works. Delays are being experienced with the Special Maintenance Works, while in discussion with the Department of Agriculture & Fisheries on the drains subject to tidal waters and fish habitat issues, in particular, restrictions on trimming of marine plants.

3.4 Bridge Maintenance

Maintenance works on the timber bridge on Walker Finn Road have been undertaken in preparation for replacement of the deck and the underslung timber beams with steel I-beams. These works are programmed for March 2020.

Works on replacement of the hand rails on the Norris Road Overpass have been undertaken with further work progressively planned over the next two years.

Plans are in place for replacement of the deck on Chelms Road Bridge at Eungella in early 2020 and maintenance works on the foot bridge at Emanuel School in December 2019 after school finishes for the year.
3.5 Cyclone Debbie and NQ & FNQ Monsoon Trough Works

Cyclone Debbie - Road Works (Categories B & D)

The Cape Hillsborough and Haliday Bay vehicular beach accesses have been completed.
The construction of the St Helens Beach Groyne Project has been awarded to Haber Excavations Pty Ltd. These works will commence in early November 2019 and should be completed in early December 2019.

NQ & FNQ Monsoon Trough – Road Restoration Works

The funding submission for the restoration of the Boundary Creek Causeway on Doughertys Road has been approved by the Queensland Reconstruction Authority (QRA). Detailed design will be finalised once the Waterway Barrier Permit has been received in early November 2019. Construction of the works will be undertaken by a Council crew commencing in early November 2019. The required culverts have been ordered so that they will be available when required.

The Dalrymple Road Landslips Funding Submission, for the restoration totalling $2.8M, is being assessed by QRA. Tenders for the roadworks have been delayed by some queries raised by QRA and by delays with the Geotechnical Consultant finalising the Micropiling Design. The tender for the roadworks will now be called in early November 2019 with the tender for the micropiling called in mid-November 2019. Roadwork construction should commence in December 2019 with the micropiling to follow in January 2020.

The Gravel Road Submission will be sent to QRA in early November 2019 for assessment and approval. Some gravelling works have been completed with the balance being undertaken over the next 3 months. The final submission comprising minor works on eight roads will be completed and sent to QRA in early November 2019. Some of these works have been completed with the balance to be finished by December 2019.
CLIENT SURVEYS

4.1 Requests for Maintenance Work

Customer Survey results have not been finalised for this period.

ASSET MANAGEMENT

5.1 Program Update

- Asset Management are currently undertaking projects to implement the Assetic Maintenance Module for Civil Operations and Parks, Environment and Sustainability (PES). The scope of these projects is refined to replacement of the DeltaS system used by Civil Operations and the Playgrounds Maintenance Team in PES. Civil Operations commenced using the Assetic Maintenance Module on 28 October 2019 and the PES Playgrounds Team will ‘go live’ with the Assetic Maintenance Module in February 2020. The date change to the PES Playgrounds Team ‘go live’ has resulted from the work effort found to be required for data cleansing of the assets and also due to the Christmas closure and annual leave scheduled for key Project Team members.

- Asset Management is also undertaking a Stormwater Project to cleanse the stormwater assets both technically and spatially. The Stormwater Project is expected to be completed at the end of 2019. This project, along with the data cleansing being undertaken through the Civil Operations Project, is a major body of work required for the Roads and Drainage assets comprehensive financial revaluations also being completed this financial year.

- Asset Management is working towards the implementation of ADAC for Capital Projects with the scheduled implementation date currently being 1 January 2020.