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OVERVIEW

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

- There were no LTIs during the month of August 2019, however, there were eight safety incidents including vehicle damage, single exposure to chemical, falls on the same level, muscular stress and other asset damage.

- Civil Operations conducted a Safety Reset during the month with approximately 170 attendees present at the three-hour session held off site at Wests Leagues Club in Walkerston. The Civil Operations Team work in a high-risk environment and undertake high-risk activities. This was an opportunity to refocus as a Program and to workshop how to reduce injuries and incidents across the board. Acting Chief Executive Officer, Jason Devitt, reminded those in attendance that nothing is important enough to lose a life.

- Grading crews are delivering programmed unsealed road grading and gravelling works, taking advantage of the favourable weather conditions.

- A Heavy Patching (sealed roads pavement repairs) Crew has been established and has commenced heavy patching works in both southern and central areas with good outcomes being achieved.

- The Midge Point and Lamberts beach restoration works have both have been completed except for the revegetation watering and maintenance which will continue to mid-September 2019. After September the responsibility for both beach areas of watering and maintenance returns to the Parks, Environment and Sustainability Program.

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.

August 2019 Summary:

<table>
<thead>
<tr>
<th>No. of Incidents</th>
<th>Mechanism of Injury</th>
<th>Injury Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Vehicle Incidents</td>
<td>Asset Damage</td>
</tr>
<tr>
<td>1</td>
<td>Falls on Same Level</td>
<td>Near Miss</td>
</tr>
<tr>
<td>1</td>
<td>Falls on Same Level</td>
<td>Suitable Duties Injury</td>
</tr>
<tr>
<td>1</td>
<td>Muscular Stress</td>
<td>Suitable Duties Injury</td>
</tr>
<tr>
<td>1</td>
<td>Single Exposure to Chemical or Substance</td>
<td>Near Miss</td>
</tr>
<tr>
<td>1</td>
<td>Damaged Telstra Cable</td>
<td>Asset Damage</td>
</tr>
<tr>
<td>1</td>
<td>Damaged Pole Saw</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.

August 2019 Summary:

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport &amp; Drainage Total Days Lost</td>
<td>158</td>
<td>21</td>
<td>13</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Transport &amp; Drainage Total LTIs</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Financial Performance Report
Period Covered: 1 July 2019 to 31 August 2019

<table>
<thead>
<tr>
<th>Revised Budget</th>
<th>YTD Budget</th>
<th>Actual</th>
<th>YTD Variance</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.01 - Engineering Management</td>
<td>(619,803)</td>
<td>(467,858)</td>
<td>(473,565)</td>
<td>(5,707)</td>
</tr>
<tr>
<td>5.02 - Civil Operations</td>
<td>19,085,948</td>
<td>3,542,946</td>
<td>3,113,763</td>
<td>(429,183)</td>
</tr>
<tr>
<td>5.03 - Transport and Drainage Infrastructure Planning</td>
<td>4,599,584</td>
<td>552,718</td>
<td>525,376</td>
<td>(27,342)</td>
</tr>
<tr>
<td>5.04 - Asset Management</td>
<td>2,081,715</td>
<td>229,632</td>
<td>243,029</td>
<td>13,397</td>
</tr>
</tbody>
</table>

Operating (surplus) / deficit

| 25,147,444 | 3,857,438 | 3,408,603 | (448,835) |

- Operating (surplus) / deficit
3.1 Road and Drainage Maintenance Activities

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

The annual Heavy Patching (sealed roads pavement repairs) Program has commenced with works being undertaken in the southern and central areas. The Heavy Patching Crew will also be utilised to undertake pavement repair preparation works for the Roads Resurfacing Program and pavement repairs on the TMR Road Network under our RMPC arrangement.

The transition from the DeltaS Maintenance Management System to the corporate Assetic Maintenance Management System is ongoing with the current focus on training of key users and data cleansing for all roads and drainage assets. Comprehensive testing of the system has commenced to ensure it functions as desired before going live.

The section of Armstrong Beach Road between the Bruce Highway and the Queensland Rail Jilalan Rail Depot has deteriorated significantly since the monsoon trough event at the beginning of 2019. This was caused by the pavement becoming saturated and heavy vehicle traffic travelling to the Queensland Rail Depot. This damage has been identified for a Restoration Works Funding Submission under the monsoon trough event. Works will be undertaken prior to the wet season when the outcome of funding submission is known.
3.2 Unsealed Road Maintenance Activities

Eight grading crews continued to deliver the Unsealed Roads Grading and Gravelling Program. The number of crews reduced to seven mid-month when the Field Services Crew were required for capital project works.

The favourable weather has supported good outcomes being achieved on the Unsealed Road Network throughout the whole region.

3.3 Open Drainage Maintenance

Routine open drainage mowing, and maintenance works continue to be delivered in line with the Works Program in preparation for the up-coming wet season.

Special maintenance works planned for Warland Street Drain, Dennis Street Drain and the Codhole Culvert Outlet are still on hold while negotiations continue with the Department of Agriculture & Fisheries (DAF) in relation to the approval process.

3.4 Cyclone Debbie and NQ & FNQ Monsoon Trough Works

Cyclone Debbie - Road Works (Category B & D)

Repairs to landslips on Dalrymple Road and on Chelms Road have been finalised in mid-August 2019. Wet weather delays extended the original 70-day contract by 77 days.
Chelmans Road - Completed Gabion & Rockfill Restoration

Dalrymple Road - Completed Batter Restoration
Cyclone Debbie - Beach Restoration (Category D & Resilience)

The Midge Point beach restoration works have been completed except for the revegetation watering and maintenance which will continue to mid-September 2019. After September the responsibility for watering and maintenance returns to the Parks, Environment and Sustainability Program.

The works involved:
- Placement of 1,958 x 4.5t geobags along 280m of beach
- Importing of 57,300m$^3$ of sand nourishment along 900m of beach
- Erection of 540m of post and rail fencing with a shade cloth wind barrier
- Installation of shade cloth on 60m of existing fence
- Reconstruction of the two vehicular beach accesses
- Planting of 23,000 ground covers and trees
- Erection of 19 replacement signs
- Relocation and repairs to “Peter’s Place” shelter

The Lamberts Beach restoration works have been completed except for the revegetation watering and maintenance which will continue to mid-September 2019. After September, the responsibility for watering and maintenance returns to the Parks, Environment and Sustainability Program.

The works involved:
- Importing of 36,900m$^3$ of sand nourishment along 650m of beach
- Erection of 270m of post and rail fencing with a shade cloth wind barrier
- Installation of shade cloth on 280m of existing fence
- Planting of 30,000 ground covers
- Erection of 10 replacement signs
- Placement of 2,000m$^2$ of turf
- Repairs to the northern drainage outlet

The work on the vehicular beach accesses at Cape Hillsborough and Halliday Bay has commenced and will be completed in mid-September 2019.

The detailed design of the St Helens Beach Groyne Project ($0.24M) has been finalised and the necessary Permit Applications have been lodged. After some questions from State Government Departments and delays in preparing the detailed response, it is now expected that the Permit will be issued in mid-September 2019. This delay has pushed the construction commencement into October 2019.
NQ & FNQ Monsoon Trough – Road Restoration Works

The following funding submissions have been or will be sent to the Queensland Reconstruction Authority (QRA):

Emergency repair works, totalling $540,000, have been undertaken on damaged sections of the Road Network with $120,000 being expended on Dalrymple Road. The funding submission for these works is being prepared and will be forwarded in mid-September 2019.

A preliminary assessment of damage to the Unsealed Road Network indicates that approximately 47km of road will require grading and graveling repairs. Detailed inspections and assessments have been completed and the submission will be submitted in late September 2019.

The Dalrymple Road Landslips Funding Submission, for the restoration totalling $2.8M, has been sent to the QRA. Detailed design has commenced and should be completed in mid-September 2019 with tenders to be called in late September 2019.

The concept design and estimate for the restoration of the Boundary Creek causeway on Dougherty's Road has been completed. The estimated cost of the restoration is approximately $0.9M. The funding submission has been sent to QRA. Detailed design was completed in mid-August 2019. Once the Waterway Barrier Permit has been received, the detailed design will be finalised. Construction of the works will be undertaken by a Council crew commencing in October 2019.

4.1 Requests for Maintenance Work

Customer survey results have not been finalised for this period.

PROJECTS

5.1 Significant Projects

This section of the report has been removed to avoid duplication. For an update on Capital Projects being undertaken, please refer to the Capital Works Department Monthly Review.