

# ENGINEERING SERVICES HIGHLIGHTS AND SIGNIFICANT ISSUES REPORT – MONTH ENDING AUGUST 2010

**Author: DIRECTOR ENGINEERING SERVICES**

## **Purpose**

To review Engineering Services Department highlights and significant issues for the month ending August 2010.

## **Background and Discussion**

Highlights and Significant Issues for period are as follows: -

### **ENGINEERING SERVICES MANAGEMENT**

#### ***Coordination of project meetings, briefings and reports on the following projects:***

- Attended the Blacks Beach Plan consultation with residents.
- Inspection at Napier Street Park with the Parks & Environment Manager.
- Attended the Healthy Waterways Alliance meeting.
- Attended the Regional Roads Group Assembly as part of the 114<sup>th</sup> Annual LGAQ event.

#### ***On-going involvement in the following areas:***

- Mackay Water Recycling Project (i.e: PCG and PAB), Mackay Development Advisory Board, Management Leadership Forum and Sustainable Futures Committee Meetings.
- LGEG, Transport Working Group and Paget Depot Project Steering Committee.
- Safe Plan, Design and Construct Review Meetings and SES matters.
- CBD Economic Development Advisory Committee, Mackay Community & Public Transport Advisory Committee and Open Space Sports & Recreation Steering Committee.

## CONSTRUCTION

*Works have been completed on the following projects:*

- Sarina Beach - Eversleigh road intersection
- Bridge Road - Holland Street to River end
- Bridge Road - Hume to Holland Street
- Dennis Street - Black Street to Kippen Street
- Smith Street - Bruce Highway to Wilson Street
- Bridge Road Longair intersection
- George Milton Street between Field Street to Paget
- Bluewater Trail Environmental Park
- Flood Package 7 – Foamed Bitumen 2008 Flood Damage Program



**Crichtons Road, Paget**

## CONSTRUCTION



### **Bluewater Trail Environmental Park – Bridge Installation**

*Works have been substantially completed on the following projects:*

- Blue Water Trail Lagoon to Bridge Road section
- Casey Avenue Leisure Court extension
- Hunter Street - full length Lloyd Street
- McKenney Street - Scott Street to Opposite Lamb Street
- Mengel Street - Bridge Road to Village Street
- Rolston Street - Scott Street to Goldsmith Street
- Nebo Road footpath
- Gregory Street between Gordon Street and Victoria Street
- Macalister Street, Gordon Street to Victoria Street to River Street
- Nelson Street, Gordon Street to Victoria Street to River Street
- Mansfield Drive and Pittman Street
- Rifle Range Road Reconstruction – Plane Creek Crossing
- Grasstree Beach Road

**CONSTRUCTION**



**Blue Water Trail**



**Rifle Range Road Reconstruction – Plane Creek Crossing**

## CONSTRUCTION

*The following projects are in progress:*

- Branscombe Street footpath
- Crightons Road depot access
- Bridge Road drainage widening - Leisure Court to Irving Street
- Bridge Road footpath between - Leisure Court and Irving Street
- Kinchant Dam reconstruction
- Connors Road - between Archibald Street and Boundary Road
- Botanic Garden carpark
- Taylor Street – George Street to Longair Street
- Stockbridge Street reconstruction
- Grasstree Road
- Middle Creek Road
- Gordon Street / Tennyson Street - intersection roundabout
- Fernleigh Avenue / Maple Drive intersection
- Farrellys Road, Connors Road to Michelmore Streets, Paget
- Bluewater Trail Caneland Park
- Flood Package 8 – Mackay North 2008
- Flood Package 9 – Mackay North 2, 2008
- Flood Package 10 – Mackay South, 2 2008
- Brisbane Street reconstruction
- Wood Street and Brisbane Street - stormwater pipes re-lining
- West Plane Creek Road
- Flood Damage Package 1 - Sarina Mirani 2008-2009 Flood Damage Program
- Flood Package 11 – Midge Point 2008



**Bridge Road Cycleway and Drainage Improvement**

## CONSTRUCTION

*The following projects have been awarded but not yet started:*

- Crediton Loop Road
- Roger Road Culverts
- Flood Package 12, 2008
- Optic Fibre Communications

*The following projects have been tendered:*

- Perry Road – Road Widening and Upgrade
- Mango Avenue – Drainage and Footway Upgrade

## MAINTENANCE

### Maintenance Grading in the following areas:

Submergence Repairs - 2010 Rain Event	Redhead Road, Head Road, Saunders Road, Tara Creek Road, Middle Creek Road, Walsh Road, Bradford Road, Bella Road, Bollons Road, Caping Road, Stockroute Road, Bells Gap Road, Miles Road, Ivan Johnsons Road, Osbornes Road, Neilson Creek Road, Clanside Road, Mt Ossa Road, Cape Hillsborough Road.
Heavy Formation Grading	Vaggs Road, Treveys Road.
Medium Formation Grading	Doughertys Road, Wintons Road, Rise & Shine Road, Holds Road, Staffords Road, Ramp Road, Stockers Road, Caping Road, Paskins Road, Cowans Road, Deals Road, Hacketts Road, Boyds Road, Harris Access Road, Tirendis Road, Stroppianas Road, Camilleris Road, Devils Pool Road, Owens Creek Loop Road, Smith Cross Road, Gargett Dump Road, Bathorn Road, Dunwold-Cattle Creek Road, Gormleys Road, Rutlands Road, Nichols Road, Howells Road, Clanside Road, Mt Ossa Road, Barclays Road.
Shoulder Grading	Wintons Road, Jorgensens Road, Munbura Road.

### Special Works :

Batter Protection – Zamia Creek Bridge, Brothwell’s Gully, Notre Bene Creek, Pakula-Gap Road, Luscombe-Heads Road, O’Sullivans Road.

Clean Open Drains - Midge Point Road, Stacey’s Road, Old Bowen Road, Church Road, Paskins Road.

Guide Posts and Delineators – Kuttabul area, Calen area, Midge Point area, Calen area, Victoria Plains area.

Culvert repairs – Wollingford Road, Wentzels Road, Marwood Road, Smith Cross Road, Bald Hill Road, Blackwood Street, Sologinkins Road.

Sign repairs – Smith Cross Road, Devereaux Creek Road.

Water Board Patches – various areas, Bridge Road, Bucasia Waste Water Road, Lawson Street.

Footpath, K&C, Traffic Island, Pipe & Pit Repairs – Bedford Road, Slade Point Road, McKellar Street, Geoffrey Thomas Drive, Keller Street, Blackwood Street, Ungerer Street, Bernborough Avenue, Pharlap Parade, Moore Street Hodges Street, Wellington Street, Alfred Street, Wentford Street, Milton Street, Gregory Street, Hamlet Street, Tay Street.

Suckin repairs – Sologinkin Road, Andergrove Road, Oak Street.

Linemarking – Mackay CBD area, East Mackay and Paget areas.

Paver repairs/installations – Binnington Esplanade, Iluka Park.

Asphalt works – Bridge Road.

### Batter Protection – O’Sullivan’s Road – Mia Mia



**Pothole Patching:**

Koumala area, Hay Point area, Armstrong Beach area, Grasstree Beach area, Wintons Road, Paskins Road, Kuttabul area, Calen area, Midge Point area, Mt Pelion area, Shackleton Road, Mt Martin Road, Gargett area, Kinchant Dam Road, Doyles Road.

Heavy Patching – Wollingford Road, Eversleigh Road, Dawlish Road, Park Drive, Calen Depot Road, Munbura Road.

**Drainage Maintenance**

West Mackay, East Mackay, North Mackay, South Mackay, Greenfields, Glenella, Ooralea, Walkerston, Northern Beaches and Andergrove areas, Mt Vince Road, Wollingford Road, Munbura Road, Boettchers Road, Grants Road, Mary Street, Marwood Road, Connors Road, Boundary Road,

**Rock Protection Works at Mary Street Drain - Mirani**



**Mowing**

Mt Vince area, Victoria Plains area, Eton area, Homebush area, Oakenden area, Sunnyside area, Marwood area.

**Main Roads RMPC:**

Other Bituminous Works / Pothole Patching / Pavement Repairs	Sarina-Marlborough Road, Sarina-Coast Road, Mackay-Eungella Road, Koumala-Bolingbroke Road, Eton-Homebush Road, Gargett-Mia Mia Road, Bruce Highway (South), Bruce Highway (North), Peak Downs Highway, Mackay-Bypass Road, Maraju-Yakapari Road, Rockleigh-North Mackay Road, Mackay-Habana Road, Mt Ossa-Seaforth Road, Yakapari-Habana Road, Mia Mia Connection Road.
Heavy Formation grading / gravel resheating / other formation works	Koumala-Bolingbroke Road, Eungella Dam Road, Yakapari-Habana Road.
Culvert / Drainage Works	Maraju-Yakapari Road, Sarina-Coast Road, Mt Ossa-Seaforth Road, Mackay-Bypass Road.
Tractor Slashing Rural / Urban / Boom Mowing /	Bruce Highway (South), Bruce Highway (North), Mackay-Bucasia Road, Mackay-Slade Point Road, Peak Downs

Clearing Works / Herbicide Spraying / Declared Plant Spraying	Highway, Mackay-Eungella Road, Marlborough-Sarina Road, Koumala-Bolingbroke Road, Rosella-Homebush Road, Sarina-Homebush Road, Eton-Homebush Road, Mackay Bypass Road, Maraju-Yakapari Road, Mackay-Habana Road, Sarina-Coast Road, Hay Point Road, Mt Ossa-Seaforth Road, Yakapari-Seaforth Road, Yakapari-Habana Road, Mackay-Bucasia Road, Eimeo Road.
Road Sweeping/Roadside Litter Collection	Bruce Highway North (Gibson Creek Truck Stop), Bruce Highway South, Bruce Highway North, Mackay-Slade Point Road.
Rest Area Servicing	Bruce Highway (North), Bruce Highway (South).
Emergency Call Outs	Bruce Highway (North), Mackay-Eungella Road.
Signs / Guide Post Works	Bruce Highway (North), Yakapari-Habana Road, Mackay-Bucasia Road, Mackay-Slade Point Road.

**Flood Damages:**

Saturation Works: Progress to date

Package 1 – Variations to original scope of works are complete. Carrying out works as per schedule for the outstanding items that were stood over from the wet season.

Package 7 – Works complete.

Package 8 - Works well underway and expected completion October 2010



**Package 8 – works being undertaken on East Inneston Road, Sarina**

Package 9 - Works underway and expected completion mid December 2010

Package 10 – Works underway and expected completion early October 2010

Package 11 – Works commenced August 2010

Package 12 - Works to commence mid September 2010

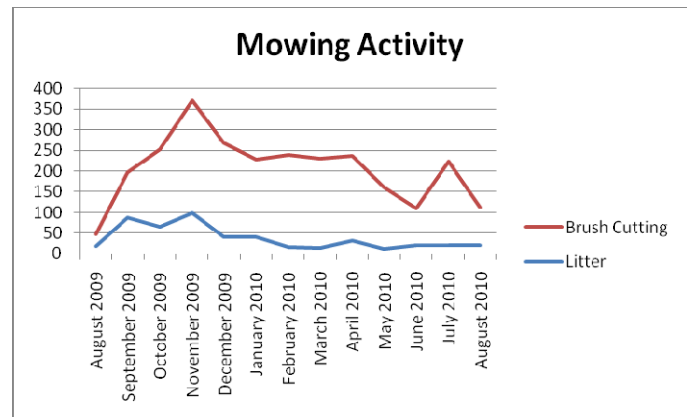
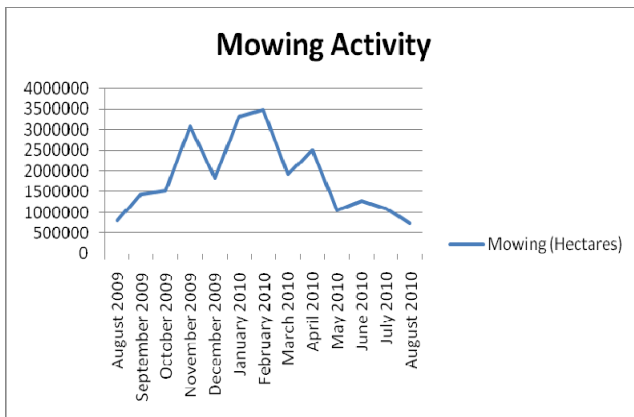
## TECHNICAL SERVICES

- Development and design of projects for saturation damage projects throughout the Council area
- Development and design of projects within Capital Works Programme
- Development and ongoing modification of draft 20yr Capital Works Programme making provision for all current projects and proposed development projects for long term Financial Plan purposes
- Discussions with GHD & utility providers regarding proposed road construction Connors Road (Archibald to Farrelly's). Land acquisitions in progress and Ergon Telstra cost estimates received and orders placed. Construction sequencing plan and discussions proposed. Telstra and Water/Sewer works underway
- Detail design ongoing for intersection upgrading on Malcomson Street at Charles Hodge and Greenfields intersections.
- Tender Specification and issue for Glenpark Street Signalisation.
- Detail design of culvert crossing Casey Avenue, concept development and detail design for stadium access, car park and Bluewater Trail extension ongoing. DA lodged and approved. Construction plans issued for drain widening and footpath construction
- Concept and detail design for future Milton/Bridge, Bridge/Paradise, Archibald/Milton and Paradise/Webberley intersections commenced as part of Paget intersection and traffic study
- General design development of detail plans for Archibald/Paradise roundabout & Glenpark/Evans Signalised Intersection
- Ongoing discussions with DMR, Developer and Council staff with regard to detail design and division of costs for Bruce Hwy/Boundary Rd intersection and section of Boundary Road from Hwy to Rainlover Street
- Design of HAFF project extension of Rosewood Drive
- Attendance at Meetings Paget Steering Committee, Paget Depot Management Group, Land and Road Use Committee, Urban Enhancement Concept plan, Strategic Planning Internal stakeholders, Program Managers, DTMR City Gates Boundary Road Upgrade, ULDA Bedford Road project, DTMR Urban congestion study and DTMR Road Infrastructure Joint Meeting
- Provision to Council of briefing on Departmental Briefing

## PARKS AND ENVIRONMENT

The Parks & Environment report for the month of August contains information on activities undertaken throughout the month by the staff within the program.

- **Customer Requests** – During August there were 166 requests received and 175 requests attended.
- **Horticulture Activities** – There were 368,562m<sup>2</sup> of garden beds serviced this month in Mackay city area. 40,445m<sup>2</sup> of herbicide/insecticide spraying and 7.5 hours of vandalism repairs were also undertaken. Maintenance activities included pruning, mulch replenishment and fertilising of gardens in buffer strips, centre medians, entry statements, park garden beds and facilities landscapes.
- **Grass Maintenance Activities** – 1,102,286 m<sup>2</sup> of parks, drains and easements were mowed, due to the typical decrease in mowing expected of winter/dry season and a 10% increase in annual leave, encouraged during this time of year.



- **Arboriculture Activities** – 72 customer requests for trees were attended this month, with 69 requests received. This reduction in received requests has enabled the tree crew to catch up on outstanding requests during the cooler months prior to next wet season. Watering of trees has increased as the drier winter weather and windy conditions reduces ground moisture levels. There were 28 trees planted in streetscapes this month. 112 trees were pruned and cyclone clean-up work continues accounting for the half of the 80 tree removals undertaken this month. The graphs show a general downward trend in requests since May, as the Cyclone Ului initial clean-up is achieved.
- **Natural Environment Activities** – Major activity for this operational area was Sandfly Creek and finalising signage designs for this area with Reef Catchments. 16 meetings were attended in the month, with liaison with Conservation Volunteers, Landcare and Reef Catchments ensuring that activities funded through the Natural Environment Levy are planned for this year.
- **Marine Beach Activities** – General maintenance with 8 requests attended in August.
- **Parks Building Services Activities** – Leave (all leave types) in this area during the month totally over 1000 manhours accounted for some reduction in output by the team. 20 customer requests were attended for general repairs to park furniture and playground equipment in comparison to 27 requests the previous month.
- **Cemetery Operations** – Cemetery staff conducted 24 burials/ashes burials.
- **Capital Projects** – The following capital projects were in progress during August:- Brook Shield Park drinking fountain, fence and facility upgrade is 50% complete, Finch Hatton Railway Park 20%

complete, St Helens Esplanade power connection 90%. Staff are currently working on Apex Park toilet block soffit and Mt Basset (new section) toilets.

**The following projects are completed** – North Eton Community Park replacement of roof to shelter, Northview Park Fence, Apex Park Walkway, James Muscat Park

## MACKAY REGIONAL BOTANIC GARDENS

### *Throughout August:*

#### **Horticultural and Site Works**

Staff works have been focussing on winter pruning and mulching of high profile areas, formulative pruning of the Living Collection throughout. The Heritage Gardens was planted with over 500 heritage annuals for spring display/wedding season as this has become the garden of choice for weddings and naming ceremonies, in the aftermath of Cyclone Ului. August also saw a weeding bee by volunteers of the Society for Growing Australian Plants (SGAP) Mackay Branch members occurring in the Regional Forest Garden, established by this group in 1995. Mowing operations throughout the site were supported by the Parks and Environment maintenance mowing team, due to staff leave.

#### **BGANZQ Conference August 12-15**

Dale Arvidsson and Maya Harrison attended the Botanic Gardens Australia and New Zealand Qld Branch (BGANZQ) State Conference, hosted by Gladstone's Tondoon Botanic Gardens. Delegates attended from Cairns, Townsville, Emerald, Rockhampton, Sunshine Coast, Toowoomba and the Gold Coast and the Australian National Botanic Gardens in Canberra. "Community Linkages and Partnerships" was the theme, corresponding with plans to better inform, involve and educate the public on the flora, research and important climate change issues for the regional areas. The conference has already led to new partnerships being developed, including plant and seed sharing of rare and threatened flora among our regional botanic gardens. The creation of an 'education and interpretation subgroup' will enable regular ongoing communication and sharing of ideas easily and efficiently.



BGANZQ delegates at Tondoon Botanic Gardens

BGANZQ member gardens have committed to celebrating the 250<sup>th</sup> anniversary of the visit by the *Endeavour* to Australia's East Coast in 2020. Events, themed garden and display to commemorate achievements and discoveries of Captain James Cook and botanist Sir Joseph Banks. This will create national and international interest in botanic gardens for conservation, tourism and education – three of the core roles of regional botanic gardens.

#### **Visitor Services Program**

Guided school education sessions were conducted with 100 Prep children from West Mackay State School, 90 Prep children from Fitzgerald State School, 27 Prep children from Slade Point School and 29 year 5 children from Walkerston St John's school. The Garden's educational outreach program... 'Planted Elsewhere' took part in organised school visits to North Eton and Gargett schools and also participated in Education Queensland's "Yes Symposium" highlighting the sustainability Practices of schools. Children from Mackay and Moranbah utilised the site and staff at the Botanic Gardens for the Great Barrier Reef Marine Park Authority (G.B.R.M.P.A.) Future Leaders Eco Challenge, which



Community learn about sustainability from the Community Gardens display at LandCare Day in the Gardens

provided the children with 'hands on' opportunities for water testing, water plant and macro invertebrates identification, sustainability practices and flora and fauna biodiversity.

Community Groups also participated in activities at the MRBG including the Gardens Friends, the Society for Growing Australian Plants (SGAP Mackay), Trefoil Guild (retired Girl Guides) and Beta Sigma Phi Group. Visitors and local people joined in the Free Guided Walks every Friday at 9.30am to find out more about the features, plants, creatures and history found in the Botanic Gardens. Three weddings and two private functions occurred on the grounds during August. The main event for the month was LandCare Day in the Gardens, themed; "Kids ...make a difference ...In your Backyard". Many children participated with their families in a wide range of activities specifically suited to assist them in learning about sustainability practices in our backyards.

A visit from the Matsuura Sister City youth delegation on August 7 was hosted by the Gardens Friends.

Mackay Regional Council hosted a taxi Ambassador afternoon tea on the Lagoon Lookout Deck, to promote Mackay's attractions to those that are often the first face met for travellers to Mackay.

### **Consultation**

There has been consultation with Engineering Services Program Managers.

### **Resource Implications**

Nil.

### **Conclusion**

Progress has been steady throughout this period of the year bearing in mind that Council's maintenance staff particularly in Parks and Environment take leave entitlements that will then enable a fuller staff compliment during the critical periods during the wet season.

### **Officer's Recommendation**

THAT this report be received.