

ENGINEERING SERVICES HIGHLIGHTS AND SIGNIFICANT ISSUES REPORT – MONTH ENDING MARCH 2011

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Purpose

To review Engineering Services Department highlights and significant issues for the month ending March 2011.

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:

- Carried out inspections with Cr. Casey
- Attended the March DDMG meeting with Emergency Management staff
- Attended the 2011 Infrastructure and Planning Symposium in Brisbane
- Met with Seaforth Beach residents to discuss Beach Plans
- Met with Main Roads staff to discuss Malcomson Street
- Attended Reef Guardian Council Steering Committee Meeting in Cairns with Cr. Meng

On-going involvement in the following areas:

- Corporate Projects Committee, Natural Environment Advisory Committee, City Focus Advisory Committee, Enterprise Risk Management Committee
- Safe Plan, Design and Construct Review Meetings and SES matters
- Engineering Services Program Managers meetings

CIVIL PROJECTS (CONSTRUCTION)

Works have been completed on the following projects:

DAY LABOUR

- Casey Avenue Leisure Court extension
- Illuka Park drainage works



Stockbridge Street

CONTRACTS

- Progress on all projects has been somewhat hindered by the wet weather this month due to significant rainfall events during March.
- 2009 Flood Saturation Damage Restoration Package 901
- Rifle Range Road Reconstruction – Plane Creek Crossing



Rifle Range Road Reconstruction – Plane Creek Crossing

Works have been substantially completed on the following projects:

DAY LABOUR

- Lawson Street - River to Victoria Street
- Stockbridge Street reconstruction
- Jenvey Court footpath
- Klingner Street roadwork
- O'Keefe Road roadwork
- Hodges Street roadwork
- Penn Street footpath
- Mackay Bucasia footpath
- Traffic facility works at various locations



Jenvey Court - Bucasia

CONTRACTS

- Bluewater Trail Caneland Park
- Mackay South 2 Flood Damage Restoration Package 12, 2008
- Flood Package 8, 2008 – Mackay Central Urban Flood Damage
- Flood Package 11 – Midge Point 2008



Bluewater Trail – Caneland Park

The following projects are in progress:

DAY LABOUR

- Kinchant Dam reconstruction
- Botanic Garden carpark
- Middle Creek Road
- Norris Road at Beaconsfield Road
- Freshwater Point boat ramp
- Casey Avenue drainage at Bridge Road
- Traffic facility works at various locations
- Hume Street footpath
- Pacific Drive footpath
- Victor Creek carpark area
- Black Street footpath

CONTRACTS

- Crediton Loop Road
- Roger Road Culverts
- Optic Fibre Communications
- Glenpark Street Signalisation
- 2009 Flood Saturation Damage Restoration Package 902
- 2009 Flood Saturation Damage Restoration Package 903
- 2009 Flood Saturation Damage Restoration Package 904
- 2009 Flood Saturation Damage Restoration Package 905
- 2009 Flood Saturation Damage Restoration Package 906
- Mango Avenue Reconstruction



2009 Flood Saturation Damage Restoration Package 906 – Doyles Road

The following projects have been awarded:

CONTRACTS

- 2009 Flood Saturation Damage Restoration Package 907
- Perry Road Reconstruction
- Cell 2 Hogans Pocket

The following projects have been put to tender:

CONTRACTS

- Panel of Suppliers - Flood Saturation 2011
- Evans Street Drain Culvert (Hague Street)
- 2009 Flood Saturation Damage Restoration - Package 908
- Cape Hillsborough widening
- Grasstree Beach Road – 3.95 to 4.2km including bikeway



Black Street

CIVIL OPERATIONS (MAINTENANCE)

Maintenance Grading in the following areas:

Formation Grading	Sarina Coast Road, Starrs Road, Miran Khan Drive (open drains), Bally Keel Road, Rocky Dam Road, Muggleton Street (open drain), East Funnell Creek Road, Mt Convenient Road, Von Fahland Road, Tara Creek Road, Prices Road, Cone Creek Road, Oakey Creek Road, Borg Road, Tennis Court Road, Mt Martin Road, Crouchs Road.
Temporary Gravel Road Repairs	
Shoulder Grading	Hannans Road.
Pavement Repairs	Robinson Avenue, Luscombe Street, Lorne Road.

Special Works:

Footpath repairs – Gordon Street, Duncan Street, Wellington Street, Brisbane Street, Bradco Avenue, Gordon Street, Alfred Street.

Vegetation Control –

Sign & Guidepost repairs –

Culvert, Pipe & Catchpit repairs – Scott Street, Cowleys Road, Prospect Street, James street, Keith Hamilton Street, Horse & Jockey Road, Nebo Road, Shakespeare Street, Pleystowe Station Road, Forth Street, Victoria Street, Goldsmith Street, Gordon Street, gully pit cleaning (various areas).

Kerb & Channel repairs – Bannister Street, kerb cleaning – various areas, Dutton Street, Black Street, Byron Street (traffic island maintenance).

Water Board Patching –

Street and Gutter Collection –

Suckins and Digouts - Geeburga Buthurra Road, Chidgeys, St Helens, Exmoor Road.

Special Works – Flood Damage repairs – Kemmis Street, Old Rocky Waterholes Road, Sievers Road, Stockroute Road, Graham Road, Barrie Lane, Sarina-Oakenden Road, Bells Road, Micallef Road, Ivan Johnson Road, Newbury-Mt Vince Road, Thomas Road, Cowleys Road, Hannans Road.

Pothole Patching: Armstrong Beach Road, Eversleigh Road, Seaforth-Port Newry Road, Cape Hillsborough road, Sugarshed Road, Pioneer Street, Glendaragh Road, Petersons Road, McNichols Road, Bridge Road, Milton Street, Crichtons Road, Etwell Court, River Street, Graffunder Street, Black Street, Shakespeare Street, Meadlowlands Road, McEwans Beach Road, Dunrock Road, Holland Street, Walz Road, Kellys Road, George Street, Paradise Street, Field Street, Branscombe Road, Binnington Esplanade, Lembergs Road, Marwood Road, Walkerston-Homebush Road, Gunsynd Street, Campbell Ridge Road, Balberra Road, Hume Street, Nelson Street, Longair Street, Peri Road, Rocky Waterholes-Wollingford Road, Jenvey Court, Victoria Street, Hayes Lane, George Street carpark, Carlyle Street, Alfred Street, Powells Road, Weigands Road, Archibald Street, Brisbane Street, Burns Street, Connors Road, Mangrove Road, Jeffcoat Street, East Gordon Street, Goldsmith Street, Chain Street, Carlyle Street, Kippen Street, Prospect Street, Clements Street, Horse & Jockey Road, Central Park Drive, Boundary Road, Ford Street, Creek Street, Wentford Street, Kindemar Street, Gillan Street, Trogolby Street, Marlborough Street, Kellys Road, Old Pleystowe Road, McColl Street, Marlborough Street, Downing Street, Mackenzie Street, Hyne Street, Oates Street, Hansen Road, Pleystowe Connection Road, Commercial Avenue, Macs Truck Stop Service Road, Tedfords Road, Mt Vince Road, Victoria Plains Road, Oakenden Road, Oakenden-Sarina Road, Bentleys Road, Barrie Lane, Austin Road, Eton-Homebush Road, Hannans Road.

Drainage Maintenance: Nimmos Road, Rodgers Road, Midge Point Road, Kuttabal-Mt Jukes Road, Newbury-Mt Vince Road, Victoria Plains Road, Eton area.

Mowing & Slashing: Walkerston, Greenmount, Pleystowe, Marian, Victoria Plains and Chelona areas.

Main Roads RMPC:

Other Bituminous Works / Pothole Patching / Pavement Repairs	Sarina-Marlborough Road, Sarina Coast Road, Bruce Highway.
Heavy Formation grading / gravel resheeting / other formation works	Koumala-Bolingbroke Road, Hay Point Road.
Culvert / Drainage Works	
Tractor Slashing Rural / Urban / Boom Mowing / Clearing Works / Herbicide Spraying / Declared Plant Spraying	Peak Downs Highway, Mt Ossa-Seaforth Road, Bruce Highway South, Bruce Highway North, Mackay-Bucasia Road, Mackay-Slade Point Road, Rockleigh-North Mackay Road, Mackay Bypass Road, Mackay-Eungella Road.
Rest Area Servicing	Bruce Highway North.
Road Sweeping/Roadside Litter Collection	Bruce Highway North, Bruce Highway South, Mackay-Slade Point Road.
Emergency Call Outs	Bruce Highway South, Bruce Highway North, Peak Downs Highway, Sarina-Homebush Road, Eton-Homebush Road, Mackay Bypass Road, Mackay-Eungella Road, Marian-Eton Road, Mia Mia Connection Road, Mirani-Mt Ossa Road, Hay Point Road, Mt Ossa-Seaforth Road, Yakapari-Seaforth Road, Mackay-Bucasia Road.
Signs / Guide Post Works	Mackay-Eungella Road.

Quarry Operations:

Gravel from the following quarries was extracted during March:

Bezzina, Buggybend, Camerons, Eton, Howells, Johnson, Larsens, Mezzens, Mt Ossa-Seaforth, Omands and Tecon Gap Pits.

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 of draft 20 yr Capital Works Programme making provision for all current projects and proposed development projects.
- Modification to plans, specifications and tender documentation in relation to project delivery by DTMR for Connors Road project.
- Lead role in discussions with Consultants, DTMR, residents and Colonial Mutual regarding upgrading of Malcomson/Greenfields & Malcomson/Charles Hodge Intersections. Detail design Greenfields intersection commenced while Malcomson/Charles Hodge mostly completed.
- Consultation complete and detail design commenced for Paradise Street (George to Henman Streets) upgrading.
- Consultation and detail design regarding Archibald Street (Connors to Milton) upgrading.
- Consultation and detail design of the HAFF Grant project including Rosewood Drive from Mackay Bucasia road to Chenoweth Drive.
- Discussions with Consultant with regard to finalisation of planning study for Paget intersections and future heavy vehicle paths. Concept planning of intersection upgrades complete and detail design commenced.
- Completion of detail design of Matsuura Drive Stage 2 works including traffic facilities, asphaltic concrete sealing and streetscape works.
- Detail design of culvert crossing Casey Avenue, concept development and detail design for stadium access, car park and Bluewater Trail extension.
- Lead role in discussions with QT regarding the preparation of detail design for on land facilities for Constant Creek boat ramp design.
- Lead role in the preparation of 'Safety in Design', Erosion and Sediment Control and Fish passage and Waterway Barrier applications in relation to designs to meet industry standards.
- Attendance at Paget Depot Management Group & Steering Committee meetings and Corporate Projects Meetings, Program Managers Meeting, Road Asset Diagnostic Meeting, Strategic Planning Internal stakeholders Meeting, Age Friendly Policy Committee meeting, Plant and Equipment Audit Review, construction Finance meeting, McCready's Creek South Drainage study meeting, Onsite meeting with Ergon Connors Road, Draft Mobility and Access documentation, CBD Enquiry by Design Workshop and meeting with QR regarding Transport (Rail Safety) Act Interface Agreement.
- Participate in Departmental Briefing to Council.
- Completion of Sarina Stage 3 DCDB upgrade.

PARKS AND ENVIRONMENT

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

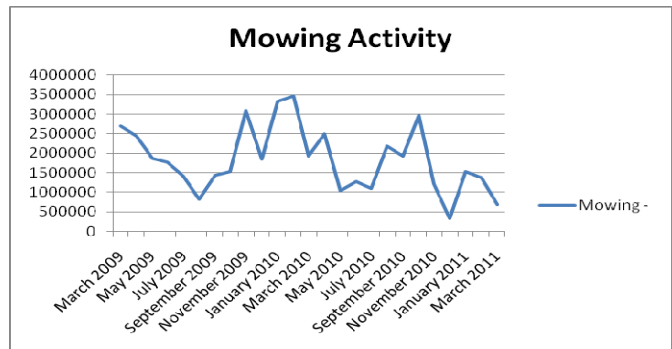
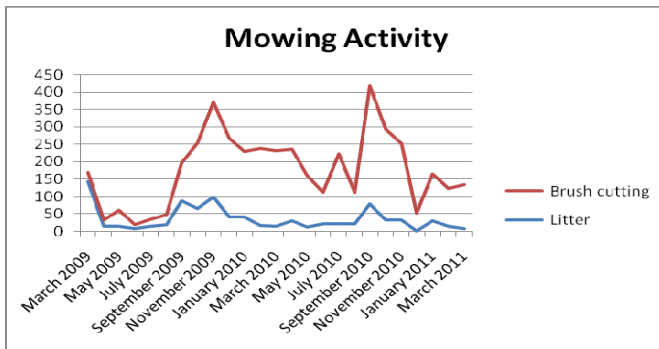
Officers on call attended: 6 after hour's phone calls and 7 after hours call outs.

- **Administration** – 26 park bookings were recorded, unfortunately the number of bookings were cancelled due to weather conditions.

Customer Requests –

Date	Actioned	Received	Unactioned
March 2011	292	344	288

- **Technical Officers** – 2 Developer meetings, 5 “On Maintenance” inspections, 2 “Off Maintenance” inspections. 8 Projects On Maintenance, 8 Landscape component approved and awaiting final Project Acceptance letter from Development Assessment, 5 Projects with Outstanding landscape defect notices dating back to May 2010.
- **Horticulture Activities** – 116220 m2 garden beds serviced; 64.48 hours spraying herbicide.
- **Grass Maintenance Activities** - 686937m2 parks mowing, 349408m2 easements mowed; 1043m2 of footpaths mowed, 124.8 man hours spent whipper-snipping; 8.5 hours spent litter collecting; 51 man hours spent pruning trees/plants; 3016 toilets cleaned; 1426 BBQs cleaned. 102 campers at Seaforth camping grounds (1 camper 1 night=1, 1 camper 7 nights =7 etc).



- **Valley Activities** – 183272m2 parks mowed; 216694m2 road reserves/ Easements mowed; 46599m2 cemeteries mowed, 94 hours spent whipper snipping.
- **Sothern Region Activities** – 190000m2 mowed through Sarina area; 125 hours spent whipper snipping, 40000m2 of cemeteries mowed, 48 hours spend picking up rubbish.
- **Natural Environment and Marine Beach Activities** -
 - The Natural Environment Advisory Committee met on March 1st and reviewed the 2011/12 budget, received project updates and had a presentation on the Planning Scheme Review.
 - The contracts were finalised for the appointment of a consultant to prepare a Shoreline Erosion Management Plan for Midge Point. C and R Consulting commenced data collection and attended a community meeting to discuss the development of the plan and community aspirations.
 - Safety inspections were held at the 3 depot sites and staff have been working hard to address issues raised in the inspection reports. The Mackay Marine Beaches team were congratulated by the safety officer on their excellent performance.

- Meetings were held with staff from the Department of Environment and Natural Resource Management (DERM) to review and renew the Memorandum of Understanding between DERM and MRC regarding Marine Strandings and to develop a similar agreement for responding to Crocodile management issues.
- Conservation Volunteers Australia (CVA) worked for a week at Grendon Park at Sarina and for a week at Grasstree Beach. 50 beach scrub plants were planted at Grasstree Beach and weed control was undertaken over an approximately 800m² area. This project is in partnership with Sarina Catchment and Landcare Group and is funded by BMA. CVA also worked at Sandfly Creek Environmental Reserve for a week undertaking weed control and revegetation maintenance work in partnership with Council and funded by Hail Creek Mine Development Fund.
- A scheduled working bee at Finlayson's Point was postponed due to wet weather. Working bees were held at Haliday Bay and Ball Bay on Saturday 26th March. 250 native seedlings were planted. A working bee was held at Bucasia beach on the same day and community volunteers undertook weed control and revegetation maintenance activities. These working bees were held to give the community opportunities to become involved in the management of coastal areas and in the implementation of the beach plans. This is part of the Coastal Project that council has been undertaking in partnership with Reef Catchments.
- Staff participated in the Healthy Waterways Alliance (a project which aims to engage key stakeholders and establish strategic partnerships to progress water quality and ecosystem improvement goals for regional terrestrial, freshwater, estuarine, coastal and marine environments). The Ecosystems and Water Quality Think Tank met in March to discuss catchment prioritisation and to finalise arrangements for a presentation during the Healthy Waterways Alliance Launch to be held at CQU in April.
- The Natural Environment Levy budget for 2011/12 was prepared and presented to the Natural Environment Committee.
- Staff undertook planting work at Ball Bay and Haliday Bay and weed control at Ball Bay, Haliday Bay, Finlayson's Point, Bucasia Beach and Shoal Point as part of the Coastal Project and the implementation of the beach plans.
- Work commence on updating the Reef Guardian Action Plan for 2011/12 which is a requirement of the Reef Guardian Council Program that MRC is part of. Discussions were held with staff from the Great Barrier Reef Marine Park Authority (GBRMPA) regarding a new format for the report and possibly progress reporting requirements.
- Staff undertook weed control work at Slade Point Reserve, Sandfly Creek Environmental Reserve, Blue River Trail and planted seedlings at Lamberts Beach, Quota Park and Bucasia Beach. During wet weather, staff undertook nursery and depot maintenance tasks.
- Staff undertook debris removal from Harbour Beach. This material had washed up on the beach during the wet season. They also conducted repairs to the decking on the platform near the lifeguard tower.
- Weed control work was undertaken at Salonika Beach, Grasstree Beach and Campwin Beach. Large amounts of green waste were removed from Salonika Beach. Seedlings were planted at Salonika Beach and Grasstree Beach. These activities were in line with the beach plans for the Sarina beaches. Depot maintenance and nursery tasks were conducted during wet weather. Fencing work was undertaken at Armstrong's beach.



Tree planting at Ball Bay

- **Cemetery Operations -**

Burials Mt Bassett	10
Burials Mt Bassett Ashes	5
Burials - Mackay	0
Burials - Mackay Ashes	0
Burials - Walkerston	8
Burials - Walkerston (Ashes)	1
Burials - Mirani	2
Burials - Marian	0
Burials- Sarina	0
Hand Dig of grave	3

- **Arboriculture Activities -**

Row Labels	Sum of Total Trees Pruned	Sum of Council Trees Removed	Sum of scheduled Palm Trees defroned/deseeded (non-contract)	Sum of trees attended to in Juvenile stage	Sum of trees attended to for other Council works	Sum of trees planted in Streetscapes
March 2011	162	66	3	104	5	19

- **Parks Building Services Activities -**

Electrical Operations: Traffic Signals installed, 4 emergency response calls attended to, replaced 8 lamps, carried out repairs at 10 sites, replaced damaged or missing parts at 4 sites, carried out 2 realignments, replaced a controller cabinet and contents after a vehicle ran over it at Sologinkins / Bucasia and sent a crew to Airlie Beach to replace a pole which had been knocked down by a vehicle.

Other Electrical Work: N/A

Playgrounds: 45 visual inspections carried out, 5 large repairs, 27 minor repairs, 21 cases of grass poisoning around playgrounds, constructed playground fence & concrete edge to Armstrong's Beach Community Hall. 125 shade sails put back up.

Built Asset Maintenance: 2 large shelters and 1 small shelter installed and 10 large seat combos and 1 standard combo installed outside Victor Creek toilet block. Palings for Campwin Beach shelter installed. Fixed toilet block at Queens Park due to vandalism. Repaired shower grates at Mulherin Park. Set up dust extractor system in Building Services shed to meet WH&S requirements. Replaced 4 doors & 2 jams with locks & hinges, 2 Basketball posts & backboards installed, fitted 6 new seats and removed gates at Victor Creek. Fitted signs to toilets, 4 x toilet roll holders fitted and concreted step at Teenburra Dam. Cleaned gutters and fitted posts to Iluka Park shelter. Fitted gates to Lamberts Beach toilet. Fitted 22 tree grates, 2 rubbish bins and 2 bike racks installed in Brisbane St.

Capital Projects – The following projects are completed



Armstrong Beach Community Hall new playground and fence



New Picnic setting - Hillside Drive Grasstree Beach



Screen Wall to shelter at Coral Point Campwin Beach

Mackay Regional Botanic Gardens

March 24 saw a community meeting to garner consultation for upcoming elements of the Torres Strait Islands Precinct for interpretative signage and the carving of a ceremonial gateway. Community members that attended were provided an update on recent developments by Curator Dale Arvidsson and Parks and Environment portfolio Councillor – Cr Ross Walker, with the assistance of Mulum Stone from Community Development. Monthly Meetings have been planned to facilitate feedback throughout 2011 to produce final designs by December 1. Early 2012 will see the construction and installation of signage and the gateway.

The Gardens Friends Planting Bee in the Heritage Garden area was postponed until April 16 due to wet weather.

The Horticultural Reference group met to recommend suitable tree species for the use within the Meadowlands sector – particular avenues and carpark plantings and shade and screening trees surrounding the Outdoor Performance and Events Centre. Design work with GHD continued on the Meadowlands sector detailed design throughout the month, planned for completion at the end of April.

Horticultural and Site Works:

Drainage and other related works - 103hrs

Mowing 215000m²

Snipping – 14000 linear metres + 4770m² square metres of drains, banks, etc.

Rubbish collection including bin emptying - 32hrs

General garden bed maintenance - 60hrs

Pruning (trees, shrubs including hedging) - 41hrs

Herbicide Spraying – 16hrs

Weather Station Data:

Rainfall for month (mm): 840.2

Days of rain: 25

Av. Temperature for Month (deg C): 25.5

High Wind Speed (knots): 26.1

Avg. Wind Speed (knots): 1.9

Dom. Wind direction: E

Botanic Gardens Functions:

During March 2011 – the following functions occurred: 1 Wedding, 1 Engagement Party, 8 Community bookings for meeting room and 3 corporate hire of meeting room. 1 Wedding cancelled due to the wet conditions.

Visitor Services Program:

Due to the wet weather, The Health and Harmony Festival, Playgroups Day, Sunday in the Park and 1 school visit was cancelled. A Wader information session was held in the Meeting Room, followed by site visits. As March is traditionally a wet month, the Visitor Services Officer was on leave for 3 weeks prior to the peak Easter to October visitor and school season.



Torres Strait Islands Precinct
Activation strategy

Mackay Regional Botanic Gardens



Consultation

There has been consultation with Engineering Services Program Managers.

Resource Implications

Nil.

Conclusion

It has been apparent that considerable concentration has been made in the reinstatement of the road network over the past month with improved weather conditions most of the network is now trafficable. A delay in the overall Capital Works program has been evident due in part to the wet weather and also in part to the construction crews assisting in the road restoration activities. The mowing of Council's park and open space areas has also been improved due to more beneficial weather conditions.

Officer's Recommendation

THAT this report be received.