ORDINARY MEETING

### 14 APRIL 2015

# **OPERATIONS DEPARTMENT CAPITAL WORKS PROGRESS REPORT FOR PERIOD JANUARY - MARCH 2015**

**P Hoye: General Manager Operations** 

### **RECOMMENDATION:**

That Council receive and note the progress of the Capital Works Program for the 3rd Quarter of the 2014/2015 financial year.

### **EXECUTIVE SUMMARY:**

Council adopted a capital works budget in excess of eight (8) million dollars for the 2014/2015 financial year. Attachment 1 to this report details the progress of the capital works program for those works with a budget of \$20,000.00 or more for the period January 1 – March 31, 2015.

Weather conditions through the period have been relatively benign through the wet season and this has allowed the majority of planned works for the period to progress unhindered. Some interruptions have occurred due to planning and preparing for severe weather events, however the majority of works have progressed in line with expectations.

Overall, the delivery of the capital works program is on schedule and within budget parameters as at 31 March 2015.

### **BACKGROUND:**

Council adopted a budget for the delivery of capital works in the Shire for the 2014/15 financial year. Attachment 1 gives a summary of the progress of the capital works program for the period January 1– March 31, 2015. The attachment is in a "traffic light" format so as to provide a quick oversight of the entire program where performance/progress is shown as follows:

Performance Indicators

Satisfactory

Marginal

Unsatisfactory

A shaded month column is also provided in the attachment which shows the anticipated starting month and the months where work is expected to occur and conclude.

# COMMENT:

The majority of the capital works program remains on track for delivery within time and budget allocations for the 2014/2015 year. The 3rd guarter has seen less than expected weather impacts on works. Planning and logistic needs around some projects such as the capping of the former landfill area at Killaloe, the management of leachate at this site and design for the causeway projects means that completion of these projects before the end of the financial year is at some risk. Major works completed during the quarter include the Port Douglas roundabout, substantial completion of the toilet block, landscaping and signage design at the Daintree Gateway and excellent progress on a number of projects within Water and Wastewater. Staff have continued to perform at a high level in completing significant works in house, although

there has been an impact on delivery through the movement of staff to new positions within the organisation and through unavailability. This has particularly impacted on the Civil Works construction team.

Areas where there is an expectation that delivery will be compromised within the 2014/15 year include:-

**Degarra Causeway Project** – due to the late determination to commence the project, a long design period and inability to complete on ground works due to wet season risks the project will not be completed until around October/November 2015. The Department of Local Government, Community Recovery and Resilience have been advised this project will not be completed until the end of the calendar year and this will not impact on the funding;

**Whyanbeel Causeway Project** - inability to complete on ground works due to wet season risks works within a waterway. The Department of Local Government, Community Recovery and Resilience have been advised this project will not be completed until early in the new financial year and this will not impact on the funding;

**Mowbray River Road Causeway Project** – the final design has resulted in construction costs that will exceed the original budget;

**Mowbray Water Pipeline Project** – in house labour requirements are used for the laying of pipes and due to other operational work requirements this project may not be completed until after the end of the financial year.

**Front Street Project** - planning and design has commenced but final delivery of the project may be after the end of the financial year;

**Diggers Bridge Project** – Contingency needs associated with the delivery of Spring Creek Causeway project mean that the bridge works cannot commence until the causeway works are complete. This will result in the bridge works being completed after the end of the financial year.

It is recommended that Council note the contents of this report.

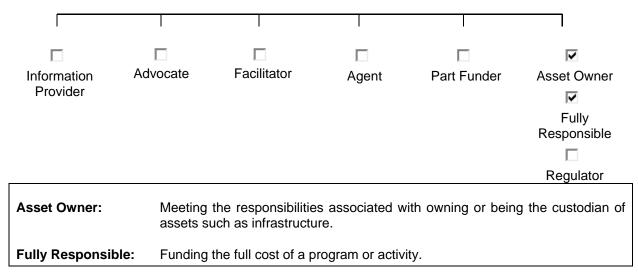
### CORPORATE/OPERATIONAL PLAN, POLICY REFERENCE:

Theme 2: Goal 1

To deliver a sustainable capital works program that generates local opportunities for employment.

# COUNCIL'S ROLE:

Council can play a number of different roles in certain circumstances and it is important to be clear about which role is appropriate for a specific purpose or circumstance. The implementation of actions will be a collective effort and Council's involvement will vary from information only through to full responsibility for delivery.



The following areas outline where Council has a clear responsibility to act:

### FINANCIAL/RESOURCE IMPLICATIONS:

Delivery of the capital works program within timeframes and budget is essential to ensuring that Council is financially sustainable and that Council's assets are maintained and developed to meet the needs of communities within Douglas.

### **RISK MANAGEMENT IMPLICATIONS:**

Council must plan and deliver a suitable capital works program to ensure that its assets are able to service the needs of the communities within Douglas Shire. Council has a statutory obligation as a service provider to ensure it is able to provide water and wastewater services to customers. Council's reputation and the community's amenity would suffer if it is unable to maintain assets and service levels at necessary standards. The consequence of inadequate maintenance and upgrade of capital assets will be increased costs in future.

### SUSTAINABILITY IMPLICATIONS:

ECONOMIC: Financial sustainability of the Council would be at risk if capital works programs are not kept within budget, or are not undertaken.

ENVIRONMENTAL: Failing to maintain assets can lead to environmental impacts through the release of materials to the environment outside of licence conditions. Poorly maintained assets can also have impacts on energy and resource use.

SOCIAL: Communities expect assets such as roads, bridges and water/wastewater systems to safe and maintained to necessary standards.

### **INTERNAL/EXTERNAL CONSULTATION:**

Consultation has been undertaken with the Managers and Coordinators within the Operations Department and with the Management Team.

# ATTACHMENTS:

Attachment

us (Traffic Light)	Action Landscaping of Mossman Streetscape	Expenditure to date (committed)	Original budget 2014/15 \$100.000.00	Financial % Completed	% Complete	Jul Au	g Sept	Oct Nov	Dec y	to ins Feb	Mar	Apr Ma	Jun	Comment
	DTMR Funding for Landscaping of Captain Cook Hwy & Port	#00 001 00			-	1							-	Planning and design phase commenced. Engaged landscape design consultant to draft concept plan
	Douglas Rd Mossman Administration - Air Conditioner Fans & Insulation	\$88,681.83	\$100,000.00	100%	98%									Completed, Ensuring compliance with DTMR and submit request for grant to Council.
	Sugar Wharf Building - Develop & Start 5 year Renewal Plan	\$0.00 \$8,000.00	\$50,000.00	0%	20%									Contractor selected, PO to be reaised & works to be completed by end of May Decking to be complete by end of May, Reviewing roof scope to replace roofing iron.
	Daintree Ferry Light pole and access ladder - WHS issue	\$16,700.00	\$20,000.00	84%	30%	0								Contractor engaged and works due for completion by end of May.
	Port Douglas Sports Complex - re surface netball courts Green Building Facilities Program (Second Year)	\$31,800.00 \$21,100.00	\$35,000.00 \$30,000.00	91% 70%	95%	-						_		Works complete, looking at replacing goal posts. HWS installed at Show Grounds, New control system installed at Pool.
	Depot Facilities	\$25,670.00	\$25,000.00	103%	100%									Generator installed and Operational.
	Depot Asbestos Removal program Port Douglas Waterfront improvements	\$8,513.88	\$50,000.00	17%	25%			- <u>1</u>		_			-	Works due for completion by end of May Drainage works identified as priority at entrance to St. Mary's , wharf and car-park near St. Mary's. Finalising
			\$50,000.00	0%	15%									drainage works required and design appearance.
	Garden bed/path upgrade project – Port Douglas Community Hall	\$13,021.47	\$20,000.00	65%	50%							_	-	Works in progress.
_	Cape tribulation Playground Installation Daintree Gateway	\$20,158.00 \$77,418.05	\$15,000.00	134%	100%						++	-	+	Over budget due to need to purchase missing equipment. Toilets operational, landscaping 95% complete, road audit completed, interpretive, ferry and entrance signage
	Fleet - Renewals, Upgrade and New	\$316,877,18	\$443,000,00	72%	65%								0	order. Quotation and purchase process ongoing
_	Road Reseals and Rehabilitation Program	\$945,539.74	\$1,160,000.00	82%	100%									Completed
	Reseal - Syndicate - Whitley to Poletti			1	100%									Completed.
	Reseal - Syndicate - Poletti to Miallo Bamboo Ck Road Reseal - South Arm Drive - Vixies to end				100%	-	-	_			+	-	-	Completed.
	Reseal - Finlayvale Road - Santacattarina to Cobavie				100%	0								Completed.
	Reseal - Finlayvale Road - Cobavie to end Reseal - Whiteley Road - Syndicate to end				100%			_		-	+	-	-	Completed.
	Reseal - Mialio-Bamboo Creek Road - Kingston to Bamboo Ck				100%				+	-	+	+	+	Completed. Completed.
	Road Asphalt - Jabeva Close - Cul-de-sac				100%	0		-		_	+	_	-	Completed.
	Asphalt - Lloyd Road - Cul-de-sac				100%				+		+		1	Completed.
]	Asphalt - O'Callaghan Close - Cui-de-sac				100%									Completed.
_	Asphalt - Somerset Drive - Cul-de-sac Asphalt - Whiteley Road - Cul-de-sac				100%	0 0	+	-	+	_	+		-	Completed.
	Asphalt - Blain Street - Pringle St to Wattle St				100%									Completed.
	Asphalt - Coulthard Close, Cul-de-sac Asphalt - Port Pacific Views section over drainage site				100%				F		$\square$		-	Completed.
	Asphalt - Port Pacific Views section over drainage site Asphalt - Bow Street/Dan Hart Lane - Front Street to end				100%		+			-	+	-	1-	Completed.
	Road Rehabilitation - Junction and Shannonvale Roads				100%					-12				Completed
	Woobadda Creek Bridge - Transport Infrastructure Development Scheme (RTA TIDS)	\$1,028,765.95	\$413,000.00	249%	98%									Complete excepting final contractor payment. The total projected budget for the Woobadda Project was 22 5 000.00, and final costings for the project are still being determined. The budget does not show total brought fi amount of \$1 105 000.00 (including the original Council contribution of \$470 000). Variations on the project h amounted to \$140 000.00. Still await final invoice from Cook.
	Disaster Mitgation & Resilience - Flood Mitgation (Daintree Flood Gauge Automation, Mowbray Valley & Whyanbeel Causeway Upgrade Projects).	\$293,338.04	\$850,025.00	45%	40%									Daintree Flood Guage - BoM Approved Specification and Quotation for Supply and Install Completed. Mowbray Road Causeway - Development Application submitted to DSDIP Connolly Causeway N-2 Design Completed and request quotation for Construction through SOA
	Flood Mitigation - Degarra Causeway Project Cycling/Walking Strategy Implementation	\$65,164.99	\$858,130.00	8%	10%									RECS Engaged - Survey and Geotechnical Investigations completed Development Application currently being prepared
		\$1,443.19	\$20,000.00	7%	10%									DTMR Priority Cycle Route Mapping finalised. Road widening at Cooya Beach to enable bike use on new see complete but costs incurred in roadworks. Signage and path improvements from Teamsters Park to Bump Tr installed. Cycle path crossovers to be installed near Teamsters Park and stabilised gravel bikepath.
	Bridges/Causeways/Drainage - Diggers Bridge - Major works replacement	\$3,109.58	\$200,000.00	2%	5%									Minor works carried out. Major works on bridge dependant on progress of Spring creek causeway works and need to be carried into early part of new financial year.
-	Bridges/Causeways/Drainage - Santacattarina Road - Concrete	\$37,913.81	\$50,000.00	76%	100%									Completed
_	floodway Bridges/Causeways/Drainage - Ironbark Road extension of				In Note Tortic			-		-	+	-	-	
	culverts	\$17,338.84	\$20,000.00	87%	95%		+				+	_	-	Works Physically completed week ending 13th March 2015 awaiting final reconciliation of cost
_	Bridges/Causeways/Drainage - Nicole Drive Causeway Bridges/Causeways/Drainage - China Camp Replace Fischers	\$9,240.00	\$75,000.00	12%	15%		++	18-11		-	+ +			Pipes arrived dependent on weather for starting date
	Bridge (Timber and Install flood way)	\$8,986.00	\$250,000.00	4%	596		++					_		Quotes being sought. Finalising quotes and works to begin May 2015
	Bridges/Causeways/Drainage - Mahogany Street reline pipes Bridges/Causeways/Drainage - Nautilus Street reline pipes	\$3,479.80 \$1,030.31	\$55,000.00 \$40,000.00	6% 3%	5%	8	++				+	-	-	Pipe religning on ordered. Company having trouble sourcing lining looking at other options Pipe religning on ordered. Company having trouble sourcing lining looking at other options
	Bridges/Causeways/Drainage - Sonata Close replace footbridge	\$20,323,99	\$50,000.00	41%	15%		++	-			+	-	-	Bridge components asembled awaiting on contractor to start works
_	Bridges/Causeways/Drainage - Grant Street replace footbridge	\$44,131,12	\$50,000.00	88%	and the second s	-	+	-	-	-	+	-	-	Bridge completed waiting final costs
	Bridges/Causeways/Drainage - Wharf Street and Rex Smeal Park	\$29,351.07	\$60,000.00	49%			++							Works near completion awaiting final costs
	drainage Footpath Renewal - Front St	\$0.00	\$20,000.00	0%			++	-					-	Proposed commencement April/May 2015
	Footpath Renewal William Street Mossman	\$9,909.30	\$16,000.00	62%	100%				1					Construction Completed
	Footpath Renewal - Davidson St 1 Footpath Renewal - Connect Old Cooya to Ocean Breeze	\$0.00 \$4,089.33	\$81,000.00 \$60,000.00	0%			++	-				-	-	Works in progress completion by end April 2015 Proposed commencement April/May 2015
_	Renewal, Kerb & Channel - Mossman St	\$0.00	\$39,000.00	0%	0%		++						1	Proposed commencement April/May 2015 Proposed commencement April/May 2015
	Renewal, Kerb & Channel - Quaid St	\$0.00	\$23,000.00	0%	0%									Proposed commencement April/May 2015
	Renewal, Kerb & Channel - Bow St & Dan Hart Lane Stabilise earthen bank at Daintree WTP	\$0.00	\$30,000.00	0%	0%									Proposed commencement April/May 2015
_	Stabilise earthen bank at Daintree WTP Stabilise Boundary fencing earthen bank at Whyanbeel WTP	\$13,260.00 \$13,848.00	\$10,000.00 \$25,000.00	133%	100%		++					-		Engineering design completed. Guttering installed. Completed on the 05/12/14
	Implementation of Gas Chlorine Disinfection. Costing at early stage and a 5 year down payment agreement with supplier for the supply of equipment a possibility. Estimated totial cost for consultation, equipment, telemetry, specialised reservoir dosing equipment. New sluice valve for PRV scour pit at MWTP	\$231,500.19 \$775.51	\$375,000.00	62%	70%									Steering Committee made final decision on Craiglie Res and Mossman WWTP installations and placed order after quotation process. Preparation of sites to install demountable gas chlorination buildings is currently und way. Investigations continue re building requirements at Mossman WTP Work order raised, quotes sourced for installation work and replacement valve.
	Refurbish, commission and integrate Mossman Reservoir back on	\$44,650.87	\$200,000.00	22%								-	1	Structural pipe work modifications completed. Reservoir cleaned. Welcon has completed PLC/SCADA work.
i	line Mossman Intake (Rex Creek) Up-grade new lining in race &				60%								-	Plumbing work underway. Gas chlorination system will be integrated at later stage.
	concrete repairs (Funding will apply)	\$100,921.82	\$160,000.00	63%	100%		Comp	pleted						Project started on the 9/09/14 is now completed
	Up-grade Mowbray supply scheme: Upgrade 80mm AC water main to 150mm Class 16 PVC Main, length 5klms	\$0.00	\$370,000.00	0%	0%									Quotes being obtained hope to start in mid may to beginning of April
	Up-grade Syndicate Road: Upgrade 100mm AC water main to	\$177,689.60	\$220,000.00	81%	100%	1		-	-					Job started on the 9/09/14 and completed on the 19/12/14 Total of 3.5klms of 100mm main installed
	100mm Class 16 PVC Main, length 3.5klms Daintree Intake Access track; gravel & drains	\$34,566.19	\$60,000.00	58%	100%			Com	npleted			-		Completed on the 26/08/14
	Land Acquisition	\$535,000.00	\$650,000.00	82%										Approved by Council, Negotiated price, Offer formalised and Contract signed by CEO. Survey commencing a
	Vermeer extraction machine	\$60,000.00	\$80,000.00	100%	70%		molete	-						lodgement of Development Application. New vermeer extraction unit delivered on the 9/09/14 -project Completed
	Mossman WWTP Oxidation Ditch capacity improvement	\$35,673.00	\$80,000.00	45%		0	mpleter							Grit removal at Mossman oxidation ditch completed; Grit removed from oxidation ditch estimated 130m3, Ark
		\$30,073.00	\$80,000.00	40%	50%									to price removal of sand. Installation of handrails completed.
	Safety Grates & Lids sewer pump station CL2 ,MC,A,NM -WH&S ongoing	\$27,103.57	\$30,000.00	90%	100%									All work completed at 6 pump stations.
	Implementation of process recommendations WWTP PD & Mossman	\$21,624.25	\$50,000.00	43%	50%									Pipe work replaced in RAS well from 100mm dia to 150mm dia the settlability has improved. Await quotes or aeration blower cabinet.
	Sewer investigation and relining Mossman & Port Douglas	\$213,297.56	\$300.000.00	71%	2078									Most works completed; a total of 1500mtrs of 225 and 150 sewer relined in Mossman and Port Douglas. Sm
	Mossman Aeration System upgrade (surface aerators )	9213,287.00	\$500,000.00		80%									sections remaining
	moaarnan merauun system upgrade (sunade aerators )	\$37,659.89	\$80,000.00	47%	30%									One Aerator completed and working satisfactory.
	Upgrade & install pump station overflow chambers (GSI) SPS NM S1	\$20,556.40	\$30,000.00	69%	95%									NM sewer system overflow installed. SI & E to be Completed in March
	Generators purchase and install at critical pump stations; Port	\$98,100.00	\$100,000.00	98%			++							
	Douglas & Mossman Belt Press and Gravity Drainage Deck upgrade Port Douglas	466,100.00	a100,000.00	88%	100%									Generator installed at SPS D and MA. Generators installed and operational.
	sen i reas and chamy chamage been upgrade non bouglas	\$87,011.09	\$100,000.00	87%	000									GDD installed. Electrical and mechanical work completed. Roof over GDD is replaced. Waiting on quote for underdrain.
	Sewer Manhole and pump station Rehabilitation (ultracoat)		800 000 ec		90%									
		\$67,325.88	\$80,000.00	84%	80%									Most Manholes in Cooya Beach to be repaired. Most work completed.
	Flow meter installation Port Douglas final effluent, licence requirement	\$34,074.31	\$50,000.00	68%	50%									All flow meters have been ordered. Construction on flow meter pit completed. Electrician and Welcon to finis installation Port Douglas WWTP April.
	Leachate well upgrades. Pump replacement and gantry installation for continual operation and maintenance requirements. TEP requires continual operation of well pumps. Cleaves of Phase A. Strand carpoing of Landfill as ner TEP SNP.	\$33,685.82	\$50,000.00	67%	80%									Pump upgrades have occurred. Gantry still to be investigated.
	Closure of Phase A. Staged capping of Landfill as per TEP SDP	\$0.00	\$150,000.00	0%	10%									Preliminary work undertaken, substance of project will commence after wet season
	Closure of Phase B. Staged capping of Landfill as per TEP SDP. Due, June 2015	\$0.00	\$150,000.00	0%	0%									Unclear as to whether this will occur this year. Phase A activities will impact and much of the area is still require
	Due June 2015 Repair and upgrade of drainage system (spillways) as per TEP	\$57,535.32	\$140,000.00	41%	70%									for use. Spillways upgraded, however, further works indentified as required to prevent sediment impact
	Development of Leachate Management Plan with detailed design of vertical wetlands leachate treatment system and budget allocation. Due May 2015. TEP SDP.	\$22,115.00	\$140,000.00	41%	80%									Spillways upgraded, however, hurther works indentified as required to prevent sediment impact Plan lodged with EHP. Concern is raised with the solution proposed including cost and a second opinion has sought.
-	Replacement of bunded area for storage of Hazardous Waste.		\$30,000.00	0%	10%		11		IT					Preliminary work commenced
		\$0.00												
	Current arrangement is too small & repair work required. Requirement of Environmental Authority.	\$0.00	\$50,000.00					_						
	Current arrangement is too small & repair work required.	\$0.00	\$20,000.00	0%	0%		+	-						Unlikely to commence this year. Transport options for cardbord and disposal points need more exploration. may be better used for recycled goods shop.

Drop bay reinforcement. Steel plates to line the bays. Stability of the existing bay walls is questionable. Large fissures, cracks and crumbing occurring.		\$100,000.00	0%	0%					Not yet commenced
Construction of geofabric groynes - Newell Beach	\$6,500.00	\$35,000.00	19%	25%					Design revisited late March to allow for 3 one bag high groynes along the eroding section of beach. This was determined to be necessary due to the no dredge sand being placed in the area for some time and to accommodate river sand amounts. Still await approval from DNRM as owner to lodge Tidal Works Application. Bag supply determined and contractor/supplier has visited site. Sand for bag filling and placement between groynes will likely occur in June. Sand supply being removed from ferry channel during April.

Ordinary Meeting 14 April 2015