5.10. CAPITAL WORKS PROGRESS REPORT 3RD QUARTER 2015-2016

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DEPARTMENT:	Operations

RECOMMENDATION

That Council receives and notes the progress of the Capital Works Program for the 2015 - 2016 financial year.

EXECUTIVE SUMMARY

Council adopted a capital work budget in excess of ten (10) million dollars for the 2015 – 2016 financial year. Attachment 1 to this report details the progress of the capital works program for those works with a budget of \$15,000 or more for the period of January – April March 2016.

The majority of works have progressed in line with expectations and as at 4 May 2016 54% of the projects are 75% complete or better. Of the completed projects 21 have been finalised under budget, achieving a saving to Council of \$499,100.42 to date. A significant proportion of these savings have needed to be used to fund emergent capital works arising from lighting pole condition assessments at a number of sites and the Dixies shed relocation.

Overall, the delivery of the 2015 – 2016 capital works program has been quite good. It is anticipated that with new management skills being gradually introduced into the organisation that better project planning, five year project programs, programmed condition assessments will lead to improved project delivery. It has been apparent that the lack of middle management in the Shire over the amalgamation years has exposed a need for the upskilling of Council staff in project planning, management and delivery. This upskilling is being addressed through training and staff gaining experience and knowledge in new roles. Staff have performed exceptionally well in the circumstances and the quality of work and efficiency of staff in the delivery of projects in house has been excellent.

BACKGROUND

Council adopted a budget for the delivery of capital works in the Shire for the 2015 - 2016 financial year. Attachment 1 gives a summary of the progress of the capital works program. 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

COMMENT

The majority of works have progressed in line with expectations and as at 4 May 2016 54% of the projects are at 75% complete or better. Of the completed projects 21 have been finalised under budget, achieving a saving to Council of \$501,525.00 to date. A significant proportion of these savings have needed to be used to fund emergent capital works arising from lighting pole condition assessments at a number of sites and the Dixies shed relocation.

Long standing major projects, such as the first stage of the capping of Killaloe Landfill, are now underway and a decision has been made on the future management of leachate and waste water at the site following a long period of trials and the analysis of potential solutions. A decision has been made to halt repairs on Diggers Bridge so as to program replacement at this site due to the outcomes from the recent level 2 bridge inspection program and to reduce expenditure that will not deliver a cost beneficial result. Major projects that are not progressing in line with expectation include the Inlet Works upgrade at the Mossman Wastewater Treatment Plant and the replacement of the water reservoir roof in Craiglie. In both cases the design requirements to provide the necessary solutions are far exceeding the available budget at this stage. Both these projects will require completion in the 2016/17 financial year.

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

FINANCIAL/RESOURCE IMPLICATIONS

Delivery of a capital works program within budget is essential to ensure that Council is financially sustainable and that Council's assets are maintained and developed to meet the needs of communities within Douglas. All areas of Council's Operations Department are now developing three (3) and five (5) year capital works programs which provide a clear strategy for delivery of capital works projects and allow for the necessary planning and financing to occur. It is pleasing that the majority of projects have been delivered well within budget and in most cases by Council staff.

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 the 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.

CORPORATE/OPERATIONAL PLAN, POLICY REFERENCE

This report has been prepared in accordance with the following:

Corporate Plan 2014-2019 Initiatives:

Theme 2 Building Sustainable Economic Base

Goal 1 – To develop 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:

Asset Owner:	Meeting th	e responsibilities	associated	with	owning	or	being	the
	custodian o	f assets such as ii	nfrastructure.					

Fully Responsible: Funding the full cost of a program or activity.

CONSULTATION

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

External: Nil.

ATTACHMENTS

Attachment 1 - Capital Works Status Report

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Status (Traffic Light)	Capital Works Project	Expenditure to date (committed)	Original budget	Budget Variance on Completed Projects	% Complete	Comment
	Degarra Causeway Upgrade Project	\$ 1,132,908.71	\$ 1,218,500	\$85,591.29	100%	Completed and On Maintenance Period commenced on the 18th November 2015. Final Grants Subsidy Claim submitted.
	Whyanbeel Road Causeway No.3 Upgrade	\$ 64,175.69	\$ 73,094	\$5,918.31	100%	Completed
	CREB Track First Log Bridge Covie Range Bloomfield Track	\$ 128,231.10 \$ 26,358.69	\$ 250,000 \$ 278,000	\$121,768.90	100%	Completed 2011/2015. An Constructed Drawings submitted and Certified, awaiting I rial costs for capitalisation submission. Allocate \$121,000 to the Mosaman lighting projects. Datalied Design completed. Tender phase May - July. Construction to be started August - October.
	Cowe Range Bloomfield Track Melele Bridge Relieving Slab	\$ 25,358.69 \$ 19,605.94		\$0.00	25%	Budget to be carried over to 16/17. Detailed Design completed. Construction to be started 9 May 2016.
	Reseal Program 2015_16	\$ 500,904.72	\$ 500,000	\$0.00	90%	Spray seal program completed August. Asphalt program underway, stage 1 completed, Stage 2 to be completed by end of June
	Daintree Ferry Traffic Improvements Solander Boulev and Cul-De-Sac K&C	\$ 71,726.10 \$ 46,453.02	\$ 50,000 \$ 133,300	\$0.00 \$85,846.95	95% 100%	Project plan completed, additional material ordered for installation in May . Completed March 2016. Allocate SDE.000 to the Douglas Football Club lighting design project. Consegn subgroups Completed: commany - commany commanders commences in a pits more in sec.
	Port Douglas Road - Service Road Upgrade Avalon Street Footbridge	\$ 51,202.16 \$ 18,385.42	\$ 151,500 \$ 119,000	\$0.00 \$0.00	15%	Concept Design Compared. Community Consultation commenced to Apix. Project to be carried near Meterials ordered and installation by June.
	Avalon Street Foolbridge Borzi Road Upgrade	\$ 18,385.42 \$ 150,545.43	\$ 119,000 \$ 167,000	\$0.00	10%	Méteriala ordened and installation by June. Completed. Allocate \$11,000 to the Measman Pool Lighting Project & \$5,000 to the Measman Caravan Park Lighting Project.
	Old Forestry Road Upgrade	\$ 141,709.05	\$ 191,000	\$0.00	95%	Uniter and cases support region. Mightery of works completed. Concrete to causeway approaches completed. Property alignment isaues to be resolved for approx 30m of remaining gravel road. Completes row entered zoro - necessments or an excession or an an anoma weak weaking at Los
	Kingtisher Lane Concrete Roadway Daintree Gateway Carpark Upgrade	\$ 31,675.91 \$ 45,296.14	\$ 61,000 \$ 70,000	\$29,324.09 \$0.00	100%	Compariso Noviember 2015 - Haccestment an excellation for a Funter Jum when working at Use Forestry, Broad Design only 15/16. Concept Design Completed & Community Consultation underway.
	NDRIRA Activation (x3)	\$ 258,000.00	\$ 288,000	\$0.00	100%	Budget for previous activations.
	Pedestrian and Cycleway Program Grogan Street Footpath	\$. \$ 113,938.51	\$ 70,000 \$ 142,000	\$0.00 \$28,051.49	10%	Renewal of concrete footpath Mosaman North from train line. To be constructed mid May. Completed. Allocate \$28,000 to the Mosaman Caravan Park lighting project.
	Develop a Hiking and Mountain Bike Master Plan	s -	\$ 15,000	\$0.00	5%	Final FNQROC Mountain bike Strategy released. Scope being finalised.
	Wharf Street - Asphalt Footpath Upgrade	\$ 49,204.90	\$ 85,000	\$0.00	60%	To be completed in conjunction with stage 2 asphalt overlay project in Wharf Street. Marano's to Spinnaker completed.
	Island Point Linking Path/Walking Track	\$ 58,179.82	\$ 75,000	\$0.00	50%	December 11, 2015. Public Consultation completed. Finalisation of engineering a viewing platforms and an anti-
	Bollards - Port Douglas Sports Club and Surt Club and replace Timber Bollards, and Picnic Tables.	\$ 55,375.99	\$ 46,500	(\$837.82)	70%	Numerous projects rearing completion including post and rail on Port Douglas Esplanade underway or completed. Underestimate of Esplanade works.
	Bells Park - Playground Upgrade Mossman Depot - Storage Bays	\$ 17,362.64 \$ 21,813.14	\$ 20,000 \$ 18,000	\$2,637.35 (\$3,813.14)	100%	Completed Completed
	Wonga Beach Skate Park - Shade Sail Cape Tribulation Play ground Shade Sail	\$ 24,099.38 \$ 15,954.55	\$ 22,000 \$ 15,000	(\$2,099.35)	100%	Completed December 2015. Completed December 2015.
	Front Street Streetscape	\$ 77,144.22	\$ 100,000	\$22,855.78	100%	Project completed.
	Mecrossan Street Bin Replacement Port Douglas Fitness Equipment	\$ 35,634.00 \$ 30,124.55	\$ 50,000 \$ 30,000	\$0.00 (\$124.55)	40%	Bins being polished for shipping week beginning 16 Mey 2016 for installation. Completed
	Mossman Water Treatment Plant Replace 2 * Air Conditioners	\$ 8,604.25	\$ 15,000	\$6,395.75	100%	Completed
	Port Douglas Sports Complex - Paint Roof and Outside of Building Mossman Nursery - Machinery Shed and	\$ 34,591.97	\$ 60,000	\$25,408.03	100%	Completed - Additional Works to replace failed ceilings.
	Drives Cubricks - Addesics Hemovis and Bensics	\$ 118,417.82 \$ 41,281.69	\$ 110,000 \$ 40,000	(\$8,417.82) (\$1,281.69)	100%	Completed Completed
	Worgs Van Park - Fencing, Storage Shed, Power Box	\$ 51,362.85	\$ 30,000	(\$21,362.85)	100%	Shed completed. Fence to be completed May 2016. Scope Project for 2016/17 Power Box Design. Overna includes emergency works costs requiring capitalisation. Budget to be upgraded from
	Port Douglas Depot - Storage Shed	\$ 45,701.51	\$ 40,000	(\$8,701.81)	100%	operations budget. Completed
	Sugar Wharf Repairs Structural Mossman Shire Hall Storage Facilities	\$ 950.00 \$.	\$ 30,000 \$ 20,000	\$0.00 \$0.00	10%	Exemption certificate to be raised. To be carried into 16/17. On hold availing Tenant Relocation.
	Diwan Toilet Refurbishment	\$ 11,852.65	\$ 20,000	\$8,137.34	100%	Completed December 2015.
	Daintree Gateway Tollet - Treatment Installation Mossman Library - Staff Shower Install	\$ 29,223.58 \$ 1,600.00	\$ 20,000 \$ 20,000	(\$9,223.58) \$0.00	100%	Completed Design completed. RFQ for construction issued. To be completed June 2016
	Mossman Pool - Regrout Tiles	\$ 15,453.64	\$ 30,000	\$0.00	0%	On hold availing outcome of lease negotiations. Replacement pool cleaner purchased. Allocate \$14,000 to the Mosaman Pool lighting project.
	Asset Register Black Spot Towers	\$ 304.71	\$ 30,000 \$ 25,000	\$0.00	0% 30%	Project budget reallocated to Dicie Shed. Project transferred to operational. Allocation to Dicie Shed.
	4 Mil Street, Mosarnan Fleet Replacement Program	\$ 30,646.19	\$ 20,000 \$ 185,000	(\$10,646.19) \$0.00	100%	Completed
	Fleet Replacement Program Scarab Street Sweeper	\$ 109,855.53 \$ ·	\$ 185,000 \$ 360,000	\$0.00	30%	Vehicles ordered. Preferred truck confirmed and report to Council due in June 2016.
	Leachate Maragement System	\$ 19,600.00	\$ 590,000	\$0.00	20%	The leachter management system and capping pojects are inter-related and vary complex with significant long term linancial implications for Council. A number of options are being considered to beat manage the linancial and environmential outcomes. Agreed on Wastewater Treatment Plant for ats. Scope being instaled to prepare tender doc.
	Leachate Scada Telemetry Reconfiguration	\$ 27,773.95	\$ 40.000	\$0.00	65%	best manage the lineacial and environmental outcomes. Agreed on Wastewater Treatment Plant for ate. Scope being lineated to prepare tender docs. The sis part of the Scoks upgrade being underliken by Water & Water due for completion June
	Kilabe Landi il - Capping	\$ 24,000.00	\$ 572,000	\$0.00	50%	onia City source identified, scope complete. Identifying lopsoil component. Expect completion June/July onia
	Cow Bay Drainage Improvements Waste Sites Signage Upgrades	\$ 27,071.00 \$ 7,954.62	\$ 30,000 \$ 20,000	(\$2,929.00) \$0.00	100%	Completed Signage being upgraded progressively.
	Cow Bay Transfer Station Fence Replacement Killalos Extension of Concrete Apron & Drop Bay s	\$. \$ 124,908.00	\$ 20,000 \$ 120,000	\$0.00	35%	RFQ issued and Contractor due to start works before end of May 2016. Consultant engaged, works will be scoped in conjunction with drop bay repairs.
	Kilabe Suveilance Cameras	\$ 15,679.10	\$ 20,000	\$3,320.90	100%	Awaiting report from contractor regarding status of current system and additional cameras.
	Waste Tracking System Port Douglas Harbour Council Moorings Audit and	\$ 29,743.00 \$ 11,182.21	\$ 25,000 \$ 20,000	\$0.00	90% 66%	Installed & training underway. Condition report obtained and first stage of mooring pile upgrade undertaken. Signage installed. Boat
	Repairs Local Laws Surveillance Cameras	\$.	\$ 15,000	\$0.00	33%	lo be salv aged. Carrenza selected.
	Disaster Management Software	\$ 15,900.00	\$ 30,000	\$0.00	75%	Disaster Management Software Guardian installed, training and exercising completed. Front end works being finalised.
	Disaster Management Radio System Communication Installation	\$ -	\$ 20,000	\$0.00	25%	Finalising test needs. Link to Storm Tide Cyclone Shelter to be installed. work was done to estacean a "porce to tun" control system as part or upgrade. Letermined
	Port Douglas WWTP LLP VSD Control Pumps Port Douglas WWTP PLC Upgrade	\$ 21,444.72 \$ 166,941.09	\$ 85,000 \$ 200,000	\$0.00	20% 90%	Work was done to estacean a recros to turb control sy stem sa pan or upgrade. Determined specifications and requested quotes for VSD upgrades. Scope of work and design is currently andrower with SCAIDA concident Installation completed; fault finding continues to ensure the PLC is fully functional.
	Port Douglas WWTP UV System Upgrade	\$ 120,529.23	\$ 137,000	\$0.00	85%	Installation comparing, mail many constraints to insteam the inclusion of the second state of the second s
	Port Douglas WWTP Odour Control	\$ 58,122.43	\$ 50,000	\$0.00	65%	as odour statistical angle legit repair and a fer severe conscion was discovered. Contractor will exercise to facility of the severe conscion was discovered. Contractor will exercise to facility of the severe conscionation of the severe conscionation of the severe construction of the seve
	Mossman WWTP: Citec SCADA; and PLC/SCADA opgrades Mossman WWTP: Inlet works, screening and grit	\$ 12,994.00	\$ 35,000	\$0.00	95%	Upgrade completed, currently final stages adjustments and fault finding. servers was evaluated, budgeted amount not surricere to rearce the poject, sole certainly
	Mosaman WWTP: Inlet works, acreening and gnt removal Mosaman WWTP: Mosaman control office and	\$ 10,060.00	\$ 330,000	\$0.00	10%	required from EHP and the outcome of further upgrades. Other procurement alternatives are also president currently.
		\$ 81,236.37	\$ 80,000	(\$1,235.37)	100%	This project has been completed auccessfully.
	Emoko imeeting noom Moseman WWTP: Riv er Bank Stabilisation (Junction South Moseman and Moseman Rivers) Sever Pump Stations: VSD drives instalation A	\$ 45,220.00 \$.	\$ 40,000 \$ 80,000	\$0.00	75%	Survey completed; awaits final report with recommendations and scope of works. Currently formulating specifications and sourcing quotes.
	4F 44 Sewer Pump Stations: SPS's pump replacement	\$ 42,988.46	\$ 40,000	\$0.00	90%	Ordered and installed some replacement pumps. Pumps have been replaced at SPS 44, 48.
	Al Sever Pump Stations: Switchboard and pipework upgrade Sever Pump Stations: Replace pump station	\$ 81,850.57 \$ 25,846.43	\$ 120,000 \$ 30,000	\$0.00 \$0.00	45%	Appointed contractor to upgrade Pump station MB in Moseman during April. Lide have been replaced at SPS a Moseman & Port Doubles.
	safety life Sever pump station safe access : MA	\$ 25,546.43 \$ 30,335.93	\$ 80,000	\$0.00	85%	Final alterations to be finalised. Wall has been constructed successfully.
	Sever Pump Stations: Telemetry; replace radios Sever resolution: Marricle renadmission and	\$. \$ 69,177.84	\$ 80,000 \$ 100,000	\$0.00	35% 75%	Supplier ordering and preparing equipment to install. Pump stations prioritising completed; Work continues
	Sever Reticulation: Sever relining	\$ 743,359.47	\$ 1,000,000	\$0.00	30%	Work was done on prioritised relining in Mossman. Council approved contract. Relining commenced.
	MWTP Turbidity Monitoring Project MWTP UF Racks	\$ 35,313.69 \$ 32,858.78	\$ 48,000 \$ 45,000	\$0.00 \$0.00	85% 85%	New turbidity meters punchased and installed, final commissioning underway. Installation work still underway.
	MWTP Gas Chlorine Installation	\$ 220,695.72	\$ 340,000	\$0.00	55%	Transmission mark over underrenge. Site work underway. Contract awarded to Hy dramet preliminary designs approved.
	Flagstaff Reservoir Gas Chlorination Project Daintnee WTP Bank Stabilisation Project	\$ 101,707.01	\$ 160,000 \$ 130,000	\$0.00	60%. 5%	Contract awarded to hydramet, doaing plant delivered and mounted on site. Electrical and plumbing works underway. Initial engineering assessment still to be undertaken.
	Whyanbeel WTP Chemical Dosing System Upprade	\$ 24,324.15	\$ 20,000	\$0.00	90%	Installation work completed, final testing and commissioning.
	Rocky Point Reservoir Gas Chlorination Project WTPs SCADA Citec Systems Upgrade	\$ 95,252.51 \$ 70,000.00	\$ 70,000 \$ 70,000	\$0.00 \$0.00	60% 80%	Contract awarded to hydramet, dosing plant delivered and mounted on site. Electrical and plumbing works underway. Site installation completed, I inal commissioning teating underway.
	WTPs Telemetry RTU Upgrades	\$ 35,000.00	\$ 37,000	\$0.00	70%	Equipment purchased programmed, alte installation and testing underway.
	WTPS Radio Network Upgrades Drinking Water Storage Sealing Investigation	\$ 70,000.01 \$ 11,000.00	\$ 80,000 \$ 300,000	\$0.00	70%	Equipment purchased programmed, site installation and testing underway. Investigation completed by specialist Contractor. Await report with recommendations. Contacted
	Craigle Reservoir Roof Replacement	\$.	\$ 300,000	\$0.00	30%	possible contractors to start procurement process. Investigation completed by specialist Contractor. Avail report with recommendations. Requested Quotes from several contractors.
	Newell Beach Upgrade Reticulation Main		\$ 80,000	\$24,551.61	100%	Completed
	Newell Beach Esplanade Replacements Mains Mallo to Syndicate Road Connection Trunk Main	\$ 54,324.50 \$ 12,344.79	\$ 80,000 \$ 25,000	\$0.00 \$12,655.21	90%	Upgrade stage one is nearing completion and is expected to be finished by the end of April. This apprade will replace appg 100mm subestos pipe with new 150mm Blue Brute water main. Completed
	Daintree Intake Trunk Main Controls	\$ 12,344.79 \$ 6,077.58	\$ 20,000	\$13,922.42	100%	Completed
	Port Douglas Reservoir Access Road	s -	\$ 355,000	\$0.00	5%	Negotiating with care farmer and properly owner. Data supplied to GHD to develop water eliability model for DSC. Investigating viability of the identified alternative water source. Phase 2 of this investigation almost completed. Survey to
	Mossman Water Supply Security Scheme		\$ 300,000	\$0.00	75%	
	Installation of Fire Hydrant @ 4 Mil Street		\$ 85,000	\$65,341.42	100%	Completed. Allocale \$20,000 to the Microssan Street Bin Project #PCP5049 & \$45,000 to the Maximan Pool lighting project. Replacement of members and construction completed in October 2015. Level 2 inspection report.
	Diggers Bridge Rykers Road - Seal	\$ 21,365.84 \$ 285,111.92	\$ 225,000 \$ 285,112	\$0.00 \$0.00	25%	Replacement of members and construction completed in October 2015. Level 2 impaction report, condition 4 and replacement recommended. Budget to be given up or realiscated. Completed
	Newell Beach Groy ne & Sand Replenishment	\$ 45,445.72	\$ 35,000	\$13,445.72	100%	Works completed. Monitoring and reporting underway.
	Cow Bay Toilet Block Dicies shed	\$ 75,666.44	\$ 80,000 \$ 30,000	\$0.00	15% 50%	Works Started on site 9105/2016. Due for completion mid May 2016. Report to Council for additional funda. Contractor selected.
	Mowbray water pipeline upgrade 2015'16	\$ 95,000.00			50%	Stage 1 to Giengany completed. Stage 2 Giengany south 2016/17.
		\$7,030,102.54	\$ 12,804,005.92	\$ 499,100.42	33	Average completion Number of completed projects
					22	Total number of projects