## 5.13. CAPITAL WORKS PROGRESS REPORT 2ND QUARTER 2015-2016

REPORT AUTHOR(S):	Paul Hoye, General Manager Operations
DEPARTMENT:	Operations

#### RECOMMENDATION

That Council resolves to:

- 1. receive and note the progress of the Capital Works Program for the 2015 2016 financial year; and
- 2. allocate \$30,000.00 from the Asset Register project to the Dixie Shed project; and
- 3. allocate \$20,000.00 from the Fire Hydrant Project to the Macrossan Street Bin project.

#### **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 \$15,000.00 or more for the period of 1/7/15 - 1/2/16.

The majority of works have progressed in line with expectations. A number of completed projects have been finalised under budget, achieving a saving to Council of \$408,000 at the time of writing. This figure will change with some projects running over budget but the expectation is that the whole of the programmed capital works will be delivered within budget.

Overall, the delivery of the 2015 – 2016 capital works program has been satisfactory. As project management skills are expanded across the organisation improved project planning, five year project programs and more efficient project delivery will occur. Savings are already being achieved as a result of improved practices.

During the reporting period concept plans were prepared for Stage 2 of the Daintree Gateway (car-park area) and the Flagstaff Hill Walking Trail. Sealing of three important roads has been substantially completed, these being Borzi, Ryker and Old Forestry Roads.

The Degarra Causeway and Whyanbeel Causeway projects were completed, with the shortfall in budget for the Degarra Causeway (\$345,000.00) being addressed through Roads to Recovery funding from the State Government.

Significant and major work has occurred in the Water and Wastewater area with the finalisation of a number of designs and the awarding of contracts, particularly the \$700,000 sewer relining contract.

Key areas of concern remain in the Capping and Leachate Management System for the Killaloe Landfill. Council staff are liaising with consultants and the Department of Environment and Heritage Protection to determine the most sustainable solutions.

## BACKGROUND

Council adopted a budget for the delivery of capital works in the Shire for the 2015 - 2016 financial year. The attachment to this report gives a summary of the progress of the capital works program for the period 1/7/15 - 1/2/16. 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 OMarginal 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

Major contracts have been signed for the relining of sewage pipes and concept plans prepared for the Daintree Gateway car-park area and the Flagstaff Hill Walking Trail. Sealing of three important roads is basically complete, these being Borzi, Ryker and Old Forestry Roads. The Degarra Causeway and Whyanbeel Causeway projects were completed, with the shortfall in budget for the Degarra Causeway (\$345,000.00) being addressed through Roads to Recovery funding provided by the State Government. Significant and major work has occurred in the Water and Wastewater area with the finalisation of a number of designs and the awarding of contracts, particularly the \$1,000,000 sewer relining contract.

As Dixie's Shed was not originally part of the adopted Capital Works program, the budget to finalise the restumping of Dixie's Shed will need to be identified. The estimated cost has now been determined as \$40,000. Of this, \$10,000 had previously been made available and to complete the restumping process another \$30,000 is required. It is proposed this budget is taken from the \$30,000 allocated to the Asset Register project.

Significant in-house work has been carried out in relation to the Asset Register and more work needs to be done through the Asset Management Committee before specific funds will be required.

The installation of selected bins in Macrossan Street requires an additional \$20,000 and it is proposed this work is provided from unused funds (\$65,000.00) for the Mill Street Fire Hydrant project.

Whilst there have been some overruns in some areas these can all be covered by a number of projects being under budget and with the exception of the Killaloe Capping and Leachate projects, no major concerns are raised at this stage.

It is recommended that Council note the contents of this report and allocate funds to Dixie's Shed and the Macrossan Street Bin project as described.

## 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 the responsibilities associated with owning or being the custodian of assets such as infrastructure.

**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

Capital Works Status Report

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Status (Traffic Light)	Capital Works Project	Expenditure to date (committed)		Original budget	Budget Variance on Completed	% Complete	Comment
_igit()	Degarra Causeway Upgrade Project	. ,	\$	1,218,500	Projects \$85,874.63	100%	Completed and On Maintenance Period commenced on the 18th
	Whyanbeel Road Causeway No. 3 Upgrade	\$ 64,175.69	\$	73,094	\$8,918.31	100%	November 2015. Final Grants Subsidy Claim submitted. Completed
	CREB Track First Log Bridge	\$ 128,231.10	\$	250,000	\$121,768.90	100%	Completed 20/11/2015, As Constructed Drawings submitted and Certified, awaiting final costs for capitalisation submission.
	Cowrie Range Bloomfield Track	\$ 24,729.46	\$	278,000	\$0.00	10%	Consultant engaged to prepare Detailed Design and Documentation.
							Construction to be started April/May 2016. Consultant invited submit offer to prepare Detailed Design and
	Meelele Bridge Relieving Slab	\$ 3,018.86	\$	29,000	\$0.00	15%	Documentation. Construction to be started April/May 2016.
	Reseal Program 2015_16	\$ 412,778.11	\$	500,000	\$0.00	80%	Spray seal program completed August. Asphalt program underway and stage 1 will be completed after Easter. Rykers Road included in
					#0.00		total \$150K in Funding received for Rykers.
	Daintree Ferry Traffic Improvements Solander Boulevard Cul-de-sac K&C	\$- \$393.82	\$ \$	50,000 133,300	\$0.00 \$0.00	25% 0%	Project plan completed and installation due in March 2016. Construction to be completed in March 2016.
	Port Douglas Road - Service Road Upgrade	\$ 48,867.31	\$	151,500	\$0.00	15%	Construction to be completed in May 2016. External design to be commissioned. Procurement to be completed
	Avalon Street Footbridge		\$	119,000	\$0.00	10%	in April 2016.
	Borzi Road upgrade	\$ 150,262.09	\$	167,000	\$16,737.91	100%	Completed Majority of works completed. Concrete to causeway approaches
	Old Forestry Road Upgrade	\$ 130,236.60	\$	191,000	\$0.00	80%	after wet. Property alignment issues to be resolved for approx 30m of
	Kingfisher Lane Concrete Roadway	\$ 14,218.94	¢	61.000	\$46,781.06	100%	remaining gravel road. Completed November 2015 - An extension for a further 30m after
	Daintree Gateway Carpark Upgrade	\$ 14,218.94 \$ 47,841.42	ֆ \$	61,000 70,000	\$46,781.06	5%	recent rains recommended. Design only 15/16. Concept design complete and for consultation.
	NDRRA Activation (x3)		\$	288,000	\$0.00	99%	Budget for previous activations.
	Pedestrian and Cycleway Program Grogan Street Footpath	\$- \$92,053.09	\$ \$	70,000 142,000	\$0.00 \$0.00	0% 50%	Various projects to be completed throughout the year. Works to be completed in February, weather dependant.
	Develop a Hiking and Mountain Bike Master Plan	\$ -	\$	15,000	\$0.00	0%	Final FNQROC Mountainbike Strategy released. Consultant to
			-				complete. To be completed in conjunction with stage 2 asphalt overlay project in
	Wharf Street - Asphalt Footpath Upgrade	\$ 20,024.35	\$	85,000	\$0.00	25%	Wharf Street. Marano's to Spinnaker Close completed. Contract for concept design and final design awarded to World Trail.
	Island Point Linking Path/Walking Track	\$ 81.82	\$	75,000	\$0.00	70%	Concept design delivered and construction complete. Final design to
							be completed. Numerous projects nearing completion including post & rail on Port
	Bollards - Port Douglas Sports Club and Surf Club and replace Timber Bollards, and Picnic Tables.	\$ 57,235.99	\$	46,500	\$0.00	66%	Douglas Esplanade underway or completed. Underestimate of
	Bells Park - Playground Upgrade	\$ 13,999.00	\$	20,000	\$0.00	40%	Esplanade works. Contractor engaged for supply & installation. Expected March.
	Mossman Depot - Storage Bays	\$ 750.00	\$	18,000	\$0.00	10%	Project anticipated to be completed in April 2016.
	Wonga Beach Skate Park - Shade Sail Cape Tribulation Playground Shade Sail	\$ 24,099.38 \$ 15,954.55	\$ \$	22,000 15,000	(\$2,099.38) (\$954.55)	100% 100%	Completed December 2015. Completed December 2015.
	Front Street Streetscape	\$ 160,000.00	\$	200,000	\$0.00	85%	Works to be completed by end February 2016.
	Macrossan Street Bin Replacement Port Douglas Fitness Equipment	\$ 32,634.00 \$ 30,124.55		30,000 30,000	\$0.00 (\$124.55)	0% 100%	Bins ordered. Additional \$20,000 budget required. Complete
	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	\$ 34,422.20	\$	60,000	\$25,577.80	100%	Completed - Additional Works to be reviewed - Look to paint external
	of Building Mossman Nursery - Machinery Shed and Driveway	\$ 117,013.28	\$	110,000	(\$7,013.28)	100%	walls. Completed
	Sharks Club House - Asbestos Removal and Repairs	\$ 41,281.69	\$	40,000	(\$1,281.69)	100%	Completed Shed completed. Fence to be completed March 2016. Scope Project
	Wonga Van Park - Fencing, Storage Shed, Power Box		\$	30,000	\$0.00	95%	for 2016'17 Power Box Design. Overun includes emergency works costs requiring capitalisation. Budget to be upgraded from operations budget.
	Port Douglas Depot - Storage Shed	\$ 48,701.81	\$	40,000	(\$8,701.81)	100%	Completed Exemption certificate being sought. Due to the work period & current
	Sugar Wharf Repairs Structural Mossman Shire Hall Storage Facilities	\$ - \$ -	\$ \$	30,000	\$0.00 \$0.00	10% 0%	bookings the work may need to be undertaken in 2016'17. On hold awaiting Tenant Relocation/
	Diwan Toilet Refurbishment	\$ 11,862.66	\$	20,000 20,000	\$8,137.34	100%	Completed December 2015.
	Daintree Gateway Toilet - Treatment Installation	\$ 1,376.23	\$	20,000	\$0.00	10%	Contractor engaged and construction completion expected end of March 2016.
	Mossman Library - Staff Shower Install	\$ 800.00	\$	20,000	\$0.00	10%	Design phase.
	Mossman Pool - Regrout Tiles	\$ 15,453.64	\$	30,000	\$0.00	0%	On hold awaiting outcome of lease negotiations. Replacement pool cleaner purchased.
	Asset register		\$	30,000	\$0.00	5%	Propose budget be used to fund Dixie Shed restumping &
	Black Spot Towers	\$ 304.71	\$	25,000	\$0.00	30%	establishment. Various projects being completed throughout the year.
	4 Mill Street Mossman	\$ 26,558.64	\$	20,000	(\$6,558.64)	100%	Completed & tenant trading. Exceptional grease trap costs led to overrun.
	Fleet Replacement Program	\$ 25,155.45	\$	185,000	\$0.00	10%	Some vehicles have been ordered. (Advised on Back Order)
	Scarab Street Sweeper	\$ -	\$	360,000	\$0.00	10%	Truck specifications have been finalised and a tender process is being evaluated.
	Leachate Management System	\$ 19,600.00	\$	590,000	\$0.00	5%	The leachate management system and capping projects are inter- related and very complex with significant long term financial implications for Council. A number of options are bing considered to
							best manage the financial and environmental outcomes. Recent completion of water balance study by consultant. Staff currently <u>liaising with DEHP.</u> This is part of the SCADA upgrade being undertaken by Water &
	Leachate SCADA Telemetry Reconfiguration	\$ -	\$	40,000	\$0.00	5%	Waste Water due for completion June 2016.
	Killaloe Landfill - Capping of Phase A & B	\$ 6,000.00	\$	572,000	\$0.00	5%	As per leachate item above. Designs for various capping undertaken. Suitable clay recently identified & tested.
	Cow Bay Drainage Improvements Waste Sites Signage Upgrades	\$- \$6,872.36	\$ \$	30,000 20,000	\$0.00 \$0.00	5% 10%	Quotes obtained. Works to commence March. Signage being upgraded progressively.
	Cow Bay Transfer Station Fence Replacement	\$-	\$	20,000	\$0.00	5%	Complete in April/May.
	Killaloe Extension of Concrete Apron Drop bay reinforcement. Steel plates to line the bays.	\$-	\$	20,000	\$0.00	25%	Design complete & to be undertaken with drop bay repairs.
	Stability of the existing bay walls is questionable. Large fissures, cracks and crumbling occurring.	\$ -	\$	100,000	\$0.00	10%	Design received.
	Killaloe Surveillance Cameras	\$ 16,679.10		20,000	\$0.00	60%	Awaiting delivery & installation.
	Waste Tracking System Port Douglas Harbour Council Moorings Audit and	\$ -	\$	25,000	\$0.00	15%	Proposal received, currently being assessed. Condition report obtained and first stage of mooring pile upgrade
	Repairs			20,000	\$0.00	60%	undertaken.
	Local Laws Surveillance Cameras	<u>\$</u> -	\$	15,000	\$0.00	5%	Reviewing camera types & storage. Disaster Management Software Guardian installation completed and
	Disaster Management Software		\$	30,000	\$0.00	75%	exercise undertaken. Awaiting completion of public interface.
	Disaster Management Radio Sustem Communication				¢0.00	10%	Trialling equipment before determining final specifications.
	Disaster Management Radio System Communication Installation	\$ -	\$	20,000	\$0.00	1070	
		\$ - \$ 6,647.72	ծ \$	20,000 85,000	\$0.00	10%	Determined specifications and requested quotes for VSD upgrades, Scope of work and design is currently underway with electrical contractor. Installation completed by 18 Dec 2015, Welcon are updating

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Status (Traffic Light)	Capital Works Project	Expenditure to date (committed)	Original budget	Budget Variance on Completed Projects	% Complete	Comment
	Port Douglas WWTP UV System Upgrade	\$ 90,597.25	\$ 137,000	\$0.00	30%	Determined Spedifications and requested quotes. Quote received, order raised for Aquatec Maxcon Dec 2015, parts 10 weeks delivery from Supplier Mar 2016.
	Port Douglas WWTP Odour Control	\$ 21,298.57	\$ 50,000	\$0.00	50%	Odour logging to determine sources and determine reduction strategies. Implemented several steps eg replacement of fan and seals. Implementation process continues.
	Mossman WWTP: Citec SCADA upgrade	\$ 12,993.64	\$ 20,000	\$0.00	60%	Specification determined. Received quotes and will schedule upgrade.
	Mossman WWTP: Inlet works, screening and grit removal	\$ 10,060.00	\$ 330,000	\$0.00	10%	Design phase completed. Specifications prepared for tendering process. Tender has been issued to suppliers via LG tender.
	Mossman WWTP: Mossman control office and	\$ 81,236.37	\$ 80,000	(\$1,236.37)	100%	This project has been completed.
	smoko'meeting room. Mossman WWTP: River Bank Stabilisation (Junction South Mossman and Mossman Rivers)	\$ 48,220.00	\$ 40,000	\$0.00	60%	Order raised for Scope of works. Surveyors currently working on river bank levels Feb 2016. Additional survey work required.
	Mossman WWTP: PLC'SCADA upgrade	\$-	\$ 15,000	\$0.00	15%	Specifications determined. Received quotes and will schedule upgrade.
	Sewer Pump Stations: VSD drives installation A, 4E, 4A	\$-	\$ 80,000	\$0.00	15%	Currently formulating specifications and sourcing quotes.
	Sewer Pump Stations: SPS's pump replacement	\$ 42,988.46	\$ 40,000	\$0.00	90%	Ordered and installed some replacement pumps. Pumps have been
	All Sewer Pump Stations: Switchboard and pipework upgrade	\$ 2,285.61	\$ 120,000	\$0.00	5%	replaced at SPS 4A, 4B. Awaiting delivery of pumps. Received Quotes for prioritised works to install backflow prevention at high risk pump stations, suppliers are currently submitting quotes for the project, all quotes to be received by Feb 2016.
	Sewer Pump Stations: Replace pump station safety lids	\$ 26,846.43	\$ 30,000	\$0.00	85%	Lids have been replaced at SPS's Mossman & Port Douglas.
	Sewer pump station safe access: MA	\$ 23,794.54	\$ 80,000	\$0.00	50%	Currently waiting on surveying information before final design can take place. Site has been surveyed, retaining wall has been constructed. Electrical modifications required and currently undertaken.
	Sewer Pump Stations: Telemetry; replace radios	\$-	\$ 80,000	\$0.00	5%	Specifications determined. Received quotes. Order has been raised for Telemetry upgrade, currently with supplier.
	Sewer Reticulation: Manhole rehabilitation and sealing	\$ 69,177.84	\$ 100,000	\$0.00	75%	Pump stations prioritising completed. Currently awaiting quotes. 9 sewer manholes haave been coated and SPS Bale
	Sewer Reticulation: Sewer relining	\$ 92,252.73	\$ 1,000,000	\$0.00	10%	Work was done on prioritised relining in Mossman. Contract issued to supplier to start with main project.
	MWTP Turbidity Monitoring Project	\$ 30,959.47	\$ 48,000	\$0.00	80%	New turbidity meters purchased and installed, final commissioning underway.
	MWTP UF Racks MWTP Gas Chlorine Installation	\$ 32,858.78 \$ 15,782.25	45,000 340,000	\$0.00 \$0.00	80%	Installation work still underway.
	Flagstaff Reservoir Chlorination Project	\$ 97,717.01		\$0.00	10% 20%	Site work underway, awaiting revised quotes. Contract awarded for the supply of plant, initial site works complete. Being completed with the Rocky Point project and total budget will conform.
	Daintree WTP Bank Stabilisation Project	\$ - * 00 505 15	\$ 130,000	\$0.00	5%	Initial engineering assessment being reviewed.
	Whyanbeel WTP Chemical Dosing System Upgrade Rocky Point Reservoir Chlorination Project	\$ 22,595.15 \$ 91,740.01	20,000 70,000	\$0.00 \$0.00	80% 50%	Installation work underway. Contract awarded for the supply of plant, initial site survey complete.
						See Flagstaff Reservoir Chlorination Project. Equipment purchased initial programming underway, site install to
	WTP's SCADA Citec Systems Upgrade	\$ 70,000.00	70,000	\$0.00	60%	commence. Equipment purchased initial programming underway, site install to
	WTP's Telemetry RTU Upgrades	\$ 35,000.00	37,000	\$0.00	60%	commence. Equipment purchased initial programming underway, site install to
	WTPS Radio Network Upgrades	\$ 70,000.01	\$ 80,000	\$0.00	60%	commence.
	Drinking Water Storage Sealing Investigation	\$ 11,000.00	\$ 300,000	\$0.00	10%	Investigation completed by specialist Contractor, await report with recommendations. Contacted possible contractors to start procurement process.
	Craiglie Reservoir Roof Replacement	\$-	\$ 300,000	\$0.00	10%	linvestigation completed by specialist Contractor, await report with recommendations, Requested Quotes.
	Newell Beach Upgrade Reticulation Main	\$ 55,448.39	80,000	\$24,551.61	100%	Completed
	Newell Beach Esplanade Replacements Mains Miallo to Syndicate Road Connection Trunk Main	\$ 18,568.73 \$ 12,344.79	80,000 25,000	\$0.00 \$12,655.21	20% 100%	Materials arrived and start date due Mid-Feb.
	Daintree Intake Trunk Main Controls	\$ 6,077.58	20,000	\$13,922.42	100%	Completed
	Port Douglas Reservoir Access Road	\$ -	\$ 355,000	\$0.00	5%	Negotiating with cane farmer on timing & possible road realignment.
	Mossman Water Supply Security Scheme	\$ 99,216.01	\$ 300,000	\$0.00	40%	Data supplied to GHD to develop water reliability model for DSC. Investigating viability of the identified alternative water source; Phase 1 of this investigation commenced during December 2015.
	Installation of Fire Hydrant @ 4 Mill Street	\$ 19,658.58	\$ 85,000	\$65,341.42	100%	Completed
	Diggers Bridge	\$ 21,365.84	\$ 225,000	\$0.00	10%	Replacement of members and construction completed in Octiber 2015. Additional replacement may be required following the Level 2 Bridge Inspection.
	Newell Beach Groyne & Sand Replenishment	\$ 14,503.45	\$ 35,000	\$0.00	99%	Works completed. Final costs will be to budget.
	Cow Bay Toilet Block	\$ 9,750.00	\$ 80,000	\$0.00	15%	Building on order, bore being installed. Completion end March 2016.
	Upgrade Mowbray Water Reticulation Scheme Stages 1 & 2	\$ 192,000.00	\$ 370,000		60%	Stage 1 complete. Stage 2 underway.
	Dixies Shed	\$ 10,000.00			70%	\$30,000 required to complete stumping of shed in new location.
		\$4,708,865.08	\$ 12,181,894	\$408,692	47% 20 100	Average completion Number of completed projects Total number of projects

100 Total number of projects

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