



INFRASTRUCTURE COMMITTEE MEETING

AGENDA

5 SEPTEMBER 2023

Your attendance is required at an Infrastructure Committee meeting of Council to be held in the Council Chambers, 232 Bolsover Street, Rockhampton on 5 September 2023 commencing at 9:00am for transaction of the enclosed business.

A handwritten signature in black ink that reads "R Cheesman".

ACTING CHIEF EXECUTIVE OFFICER
29 August 2023

Next Meeting Date: 04.10.23

Please note:

In accordance with the *Local Government Regulation 2012*, please be advised that all discussion held during the meeting is recorded for the purpose of verifying the minutes. This will include any discussion involving a Councillor, staff member or a member of the public.

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1 OPENING

- 1.1 Acknowledgement of Country

2 PRESENT

Members Present:

The Mayor, Councillor A P Williams (Chairperson)
Deputy Mayor, Councillor N K Fisher
Councillor S Latcham
Councillor C E Smith
Councillor C R Rutherford
Councillor M D Wickerson
Councillor D Kirkland
Councillor G D Mathers

In Attendance:

Mr E Pardon – Chief Executive Officer
Mr P Kofod – General Manager Regional Services

3 APOLOGIES AND LEAVE OF ABSENCE

4 CONFIRMATION OF MINUTES

Minutes of the Infrastructure Committee held 1 August 2023

5 DECLARATIONS OF INTEREST IN MATTERS ON THE AGENDA

6 BUSINESS OUTSTANDING

Nil

7 PUBLIC FORUMS/DEPUTATIONS

Nil

8 PRESENTATION OF PETITIONS

Nil

9 COUNCILLOR/DELEGATE REPORTS

Nil

10 OFFICERS' REPORTS

10.1 PROJECT DELIVERY CAPITAL PROJECT REPORT AUGUST 2023

File No: 7028
Attachments: 1. [Dashboard Report](#)
Authorising Officer: Peter Kofod - General Manager Regional Services
Author: Andrew Collins - Manager Project Delivery

SUMMARY

Monthly Status Report on all projects currently managed by the Project Delivery Unit

OFFICER'S RECOMMENDATION

THAT the Project Delivery Monthly Report for August 2023 be received

COMMENTARY

The Project Delivery section submits a monthly project report outlining the status of capital projects managed by the Unit.

The following projects are reported on for the month of August 2023.

- Botanic Gardens & Zoo Redevelopment
- Botanic Gardens & Zoo Redevelopment (Enclosure Renewal)
- Athelstane Reservoir Roof Replacement
- North Rockhampton Sewage Treatment Plant Upgrade
- Glenmore Water Treatment Plant Roof Replacement
- Glenmore Water Treatment Plant Upgrade
- Glenmore Water Treatment Plant Solar Farm
- Gracemere & South Rockhampton STP Strategy
- Mount Morgan Pool
- Mount Morgan Water Treatment Plant
- Mount Morgan Water Supply Pipeline Project

PROJECT DELIVERY CAPITAL PROJECT REPORT AUGUST 2023

Dashboard Report

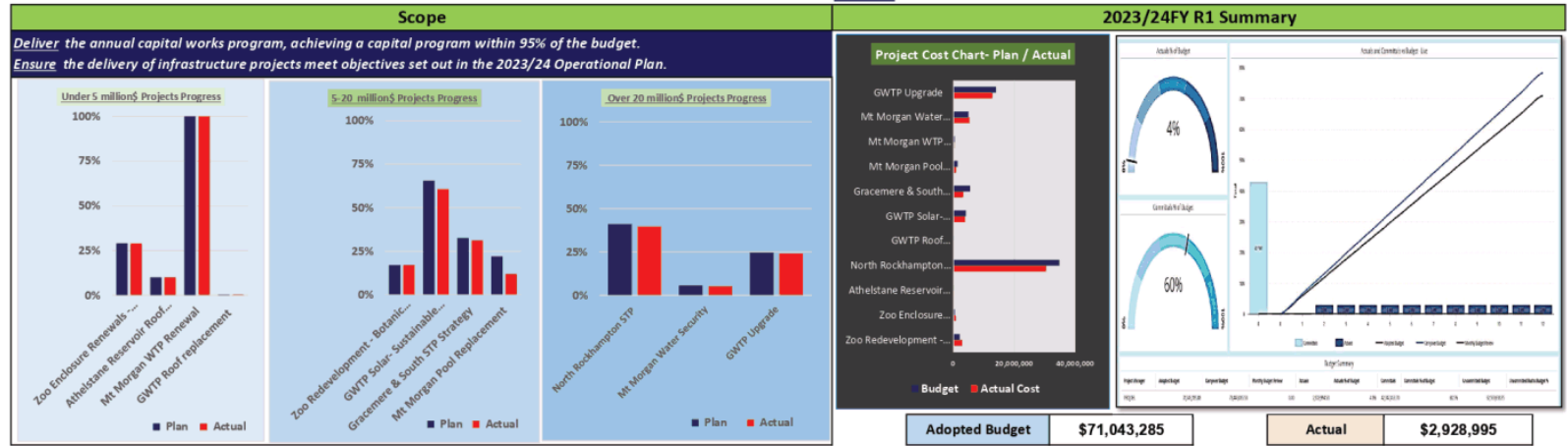
Meeting Date: 5 September 2023

Attachment No: 1

Regional Services – Project Delivery

Monthly Dashboard Update

Reporting Period: August 2023



ID	Project Name	Status Overview				
		Key Milestones & Deliverables This Month		Three Month Horizon		
				Sep-2023	Oct-2023	Nov-2023
1	Botanic Gardens Zoo Redevelopment	Completion of Tender docs for release of stage 1a Amenities and Deck	Release Tender stage 1A	Award Stage 1 A	Start construction	
2	Botanic Gardens Zoo Enclosure Renewals	Engagement of Sub consultants for detailed design. Stakeholder meetings with zoo team regarding enclosure animal management details.	Project 3 - Work through detailed design of Dome Enclosure	Project 3 - Work through detailed design of Dome Enclosure	Project 3 - Finalisation of detailed design of Dome Enclosure	
3	Athelstane Reservoir Roof Replacement	Contractor finalising Shop drawings	Completion of Shop drawings, Secure materials for Early 2024.	Nil	Nil	
4	North Rockhampton Sewage Treatment Plant	Platform, bridges and walkways installation continues	Continue structural platform installation	Electrical switchboard	Dry commissioning	
5	GWTP Roof replacement	Preparation of tender package for Admin building. Condition assessment inspection of roof by hydraulic consultant.	Completion of tendering process stage 1	Commencement of construction Stage 1	Continue the implementation of stage 1	
6	Glenmore Water Treatment Plant Upgrade	Completion of Filter No. 7 upgrade. Commencing Filter No.5 upgrade	Filter Upgrades	Air Scour Blower replacement/ Filter Upgrades	Filter Upgrades	
7	Glenmore Water Treatment Solar Farm	Installation of solar panels LV pit and duct installation	Civil works for inverter pad. HV and communications cable install	Electrical works for LV Kiosk switchboard	Electrical Works for Inverter	
8	Gracemere & South Rockhampton STP Strategy	Mechanical & electrical designs for SRSTP in progress. GSTP installation of new switchboard for aeration system underway.	Mechanical design and electrical design to continue.	Drawings, Reports & Specifications to be submitted.	RRC review.	
9	Mt Morgan Pool	Excavation for Pool 75% complete. Blinding concrete to be installed by end of Month	Commence Construction of Pool	Commence Construction of Amenities Continue Pool Construction	Continue Construction of Amenities Continue Pool Construction	
10	Mt Morgan Water Treatment Plant	Final commissioning in progress. Plant to be mothballed until required for use with MMWP project.	Nil	Nil	Nil	
11	Mt Morgan Water Pipeline Project	Pipe deliveries continue. Required Project approvals finalised.	Early works underway	Commencement of construction.	Construction in progress.	

Regional Services – Project Delivery

Monthly Dashboard Update

Reporting Period: August 2023



ID	Project Name	%Total Budget Spent	% Budget Spent 23/24FY	Current Status	Traffic Light			Monthly Update
					Scope	Budget	Schedule	
1	Botanic Gardens & Zoo Redevelopment	23%	0.16%	Detail Design	G	G	G	Project 1 - Visitor Hub Construction: Project and design documentation staging has been completed. (Stage 1: Visitor Hub, Stage 2: Animal Operations Centre).
				Construction	R	G	R	Project 2 - A revised tender package for stage 1 was released to market and closed on the 10th May 2023. The Project tender received significantly high tender prices from market. A report was presented to council on 25th of July. The resolution for this meeting was to restage to divide Stage 1 into Stage 1a - Rockhampton Botanic Gardens and Zoo - Construction of Amenities Facility and Stage 1b - multipurpose building. The Stage 1a (New Amenities & Deck) tender package is being developed and will be released for tender on the 1st September.
				Design & Construction	A	G	G	Project 3- Includes the design and construction of a renewed playground facility, This was completed on the 30th March 2023.
2	Botanic Gardens & Zoo Redevelopment Zoo Enclosure Renewal Program	46%	30.41%	Design & Construction	G	G	A	Project 1 - Gibbon Enclosure Renewal was completed in September 2022.
				Design & Construction	A	G	A	Project 2 - Design and Construct of New Eagle enclosure reached Practical completion on 11th of August. The Eagle was relocated to new enclosure on 24th August.
				Detail Design	G	G	G	Project 3 - Concept design for Dome Aviary enclosure is finalised, a briefing session on project was presented to council on 18 July. The Resolution from this meeting was to proceed with a funding application and proceed with the detailed design.
				Preliminary Evaluation	A	G	A	Project 4 - New Enclosure Preliminary Evaluation has been completed and a budget put forward for consideration
3	Athelstane Reservoir Roof Replacement	12%	0.81%	Design & Construction	G	G	G	Order placed on Contractor, Due to unavailability of materials in Australia till late 2023, Project has been rescheduled to start April 2024 and completed by 30 June 2024. To align with lower water demand periods.
4	North Rockhampton Sewage Treatment Plant Upgrade	36%	6.12%	Construction	G	G	G	Oxidation ditch and new Clarifier 3 now now emptied following hydrostatic testing.
								Platform, bridges and walkways installation continues
								Piles completed for new blower room to existing plant (Part B works)
								Cabling being installed to cable trays on perimeter walls and access structures.
								RAS line from Clarifier to RAS/WAS Pumpstation installed
								Trial fit of diffusers carried out in new oxidation ditch
								Inlet works pump station installed.
								Design works continues on the new Centrifuge structure, dosing structure and site road network.
Works on HV installation continues								

Regional Services – Project Delivery

Monthly Dashboard Update

Reporting Period: August 2023



ID	Project Name	%Total Budget Spent	% Budget Spent 23/24FY	Current Status	Traffic Light			Monthly Update
					Scope	Budget	Schedule	
5	GWTP Roof replacement	0.13%	0.13%	Design & Construction	G	G	G	<p>Condition assessment and inspection of roof by hydraulic consultant has been completed. A hydraulic report will be supplied by mid September.</p> <p>Tender package released Friday 25 August for the roof replacement to the Administration building & Chemical store at the complex. waiting on quotes for AC relocation to Admin building .</p>
6	Glenmore Water Treatment Plant Upgrade	23%	5.24%	Design & Construction	G	G	R	<p>New main switch room construction complete [in old dosing area] Switchboard installed - connection commenced.</p> <p>Filter No.7 – Media placed - Production proving underway (now back online)</p> <p>Filter No.4 – Epoxy application removed. Concrete slab pour scheduled for 28/8/2023</p> <p>Filter No.5 – Commencement of works scheduled for 25/8/2023</p> <p>Filter Panels installation complete</p> <p>Stage 2 Sedimentary Tanks. Detailed planning underway for upgrade package</p>
7	GWTP Solar Farm	62%	17.74%	Design & Construction	G	G	G	<p>GEM Liaison with Ergon energy for connection to grid</p> <p>Civil works for Inverter pad continues</p> <p>Installation of Tracking system equipment completed</p> <p>Installation of the Solar panels has been completed</p> <p>Inverter station nearing completion</p>
8	Gracemere & South Rockhampton STP Strategy	20%	8.32%	Design & Construction	G	G	G	<p>Current work relates to developing and implementation of stages to be able to realise the strategic plan. A consultant has been engaged to develop the design strategy for both Gracemere and South Rocky STP's. Design work on the existing SRSTP plant to take increase load from Gracemere is currently underway. 3D model developed, SID work shops held.</p> <p>Installation of Penstocks in bioreactors at SRSTP has been completed.</p> <p>Installation of recycled water PS at SRSTP underway. Pump station structure installation and cut in now completed. Electrical works to be finalised. Anticipated late September.</p> <p>Defective diffusers at SRSTP now replaced.</p> <p>Upgrade of Sludge Lagoons both at SR & G STPS (Gracemere works complete / NRSTP underway 70% scope increased / SRSTP work complete). Geobags at NRSTP are being processed (emptied)</p> <p>Variation order issued to Haslin for new aerator install at GSTP. Surface blowers relocated and new diffusers and blower installed. Installation of switchboard underway,. Programming for control systems underway</p>

Regional Services – Project Delivery

Monthly Dashboard Update

Reporting Period: August 2023



ID	Project Name	%Total Budget Spent	% Budget Spent 23/24FY	Current Status	Traffic Light			Monthly Update
					Scope	Budget	Schedule	
9	Mount Morgan Pool	14%	6.07%	Design & Construction	G	G	G	All Demolition Complete
								Excavation and civil preparation for new pool shell underway
								Splashpad equipment confirmed and in production
10	Mt Morgan Water Treatment Plant	103%	0.00%	Construction	G	G	G	Practical Completion achieved on 21/07/23.
								Extra lamella tubes delivered on 15th August 2023.
								Damaged lamella tubes replaced.
								Damaged cable channel repaired.
								Final commissioning of the WTP by FRW is in progress. To be completed by 31st August 2023.
11	Mount Morgan Water Pipeline Project	6%	0.54%	Design & Construction	G	R	A	Early works underway. New Transformer installed at Moonmera site.
								Ecological Survey conducted on 4th and 7th of August 2023. Report submitted to DCCEEW.
								Delivery of second batch of pipes completed on 25th August 2023. 12,7km of 250 DICL pipes and various fittings delivered at Lucas Street Yard and 4.3km of 250 DICL pipes delivered at Moonmera Quarry Site. Last batch of approximately 11km of 250 DICL pipes and remaining fittings and valves expected in September 2023.
								Engagements with Ergon on the relaxation of Safety Advice on some areas still in progress.
								All statutory approvals obtained.

10.2 MONTHLY PROJECT STATUS REPORT FOR CIVIL OPERATIONS - JULY 2023

File No: 7028
Attachments: 1. [Monthly Project Status Report - July 2023](#)
Authorising Officer: Peter Kofod - General Manager Regional Services
Author: John Gwydir - Manager Civil Operations

SUMMARY

Monthly Project Status Report on all major capital projects being delivered by the Civil Operations section.

OFFICER'S RECOMMENDATION

THAT the Monthly Project Status Report for Civil Operations for July 2023 be received.

COMMENTARY

The Civil Operations section submits a monthly project report outlining the status, key milestones and deliverables, of major capital projects managed by the Unit.

The following projects are reported on for the month of July 2023:

- 2023/2024 Capital Works Program
- Scrubby Creek Bridge Replacement
- River Rose Drive – New Road Construction
- Campbell Street (Albert Street to Cambridge Street) - Reconstruction
- East Street / Stanley Street – Intersection Upgrade

MONTHLY PROJECT STATUS REPORT FOR CIVIL OPERATIONS - JULY 2023

Monthly Project Status Report - July 2023

Meeting Date: 5 September 2023

Attachment No: 1

CIVIL OPERATIONS

Monthly Project Report – July 2023



UNSEALED ROAD NETWORK

During the month of July 2023, approximately 40kms of roads were graded and a further 17 kms of gravel re-sheet programmed with approximately 100mm of gravel to improve wet weather trafficability.

Road Name	Area	Length of Grading	Length of Re-sheet	Comments
Sandy Creek Extension (Stage 1)	Bushley	1.2 kms		Completed
Halfpenny Road	Gracemere	2.8 kms		Completed
Wedel Road	Alton Downs	2.2 kms		Completed
South Yaamba Road	Alton Downs	20.0 kms		Completed
Donovan Road	Morinish South	4.3 kms		Completed
Donovan Road	Morinish South		1.17 kms	Completed
Comanche Road	Glenroy Marlborough	10.0 kms		In Progress
Rosewood Road	Wycarbah	30.0 kms	4.0 kms	In Progress
Hanrahan Road	Morinish South	16.0 kms	3.0 kms	In Progress
Rookwood Road	Gogango	19.0 kms	6.0 kms	In Progress
Ohio Road	Gogango	1.15 kms		In Progress
River Road	Port Curtis	5.0 kms		In Progress
Donovan Road	Alton Downs	1.5 kms		In Progress
Woodford Road	Alton Downs	2.2 kms		In Progress
Reid Road Extended	Alton Downs		1.2 kms	
Glenroy Marlborough Road	Glenroy Marlborough	27.0 kms	6.0 kms	
Pink Lily Aera	Pink Lily	6.5 kms		
Kabra Area	Kabra Area	7.0 kms		

Roads Programmed During September 2023

- Comanche Road
- Glenroy Marlborough Road
- Rosewood Road
- South Yaamba Road
- Goodwin Road
- Halfpenny Road
- Ashford Road
- Cavell Road
- Hanrahan Road

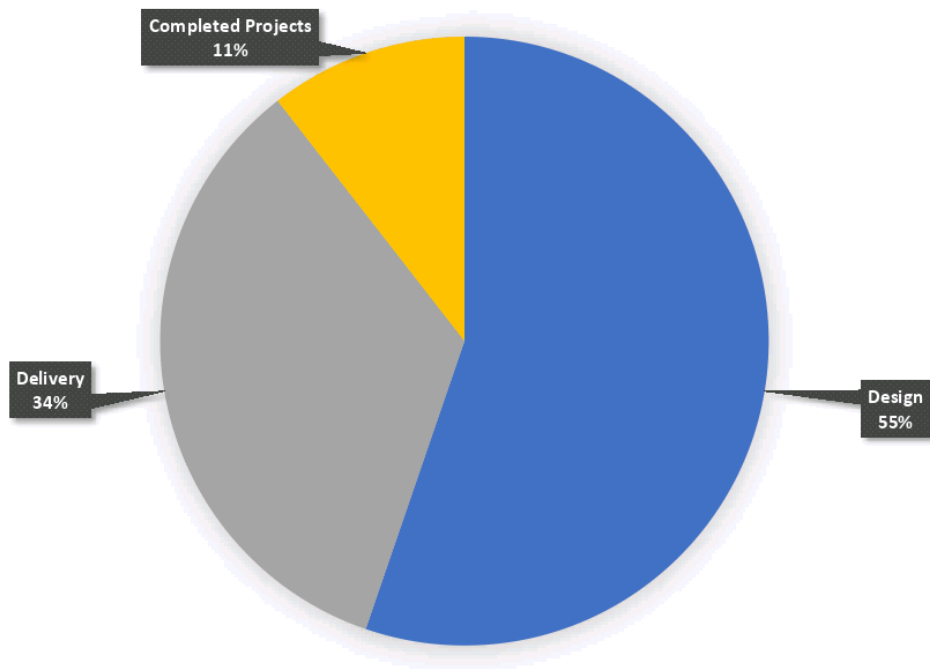


Photos of Sandy Creek Extension

CAPITAL WORKS PROGRAM 2023-2024

Summary (by project status)

2023/2024 - Capital Works Program



Design	
	Comment
2023/2024 Bus Stop Shelter Program (BSSP Funding)	
2023/2024 Passenger Transport Accessible Infrastructure Program (PTAIP Funding)	
Alexandra Street – Birkbeck Drive to William Palfrey Road – New Construction	
Archer Street Drainage Scheme - Stage 1 – Stormwater (PACP Funding)	
Archer Street Drainage Scheme - Stage 2 – Stormwater (PACP Funding)	
Canning Street / Derby Street / Upper Dawson Road - Intersections Upgrade - Blackspot Funding	
Denham Street / Murray Street - Intersection Upgrade - Blackspot Funding	
Denham Street / Talford Street - Intersection Upgrade - Blackspot Funding	
Denham Street / West Street - Intersection Upgrade - Blackspot Funding	
Derby Street / Kent Street / Denison Street - Intersections Upgrade - Blackspot Funding	
Frenchville State School – Set Down Area (STIP Funding)	
Glenroy Road – Fitzroy River Bridge	
Glenroy Road Upgrade	
Lion Mountain Road - Sealing	
Morgan Street, Kabra - Drainage Improvement	
Mount Archer State School – Wiltshire Street Footpath (STIP Funding)	
Parkhurst Industrial Area - Wade Street (Alexandra Street to McLaughlin Street) – Reconstruction (HVSPP Funding)	
Rockhampton Grammar School – Quarry Street Footpath (STIP Funding)	
Stanwell-Waroula Road - Sealing (RRUPP Funding)	
St Joseph's Primary School – White Street Footpath (STIP Funding)	
Well Station Creek Road, Wycarbah - Floodway	

Pre-Construction / Procurement		
	Estimated Start Date	Comment

Delivery			
	Actual Start Date	Estimated Completion Date	Comment
Annual Reseal Program	July 2023	June 2024	
Berserker Street – Elphinstone to Leamington – Road Rehabilitation	August 2023	October 2023	
Campbell Street (Cambridge Street to Albert Street) - Reconstruction (LRCI Funding)	January 2023	September 2023	
Caribea Estate - Drainage - Stage 3 (Inlets)	July 2023	August 2023	
Dale Park - Access Road Improvements	August 2023	September 2023	
Eton Street (Denham Street to end) – Road Reconstruction	July 2023	September 2023	
Hanrahan Crossing – Floodway Construction	May 2023	October 2023	
Norman Road (Farm Street to Cedar Drive) – Footpath – CNLGGP Funding	August 2023	September 2023	
North Rockhampton Flood Mitigation (NRFM) – pumping points	October 2023	April 2024	
Quay Lane – North to Albert Street – Stormwater drainage	September 2023	December 2023	
River Rose Drive – New Road Construction (LRCI Funding)	December 2022	December 2023	
Scrubby Creek Bridge – Old Capricorn Highway (Bridge Rehabilitation Program)	August 2023	February 2024	
Unsealed Road Gravel Program	July 2023	June 2024	

Completed Projects

Limestone Creek Diversion - Stormwater - Open Channel Construction

Lower Dawson Road, Allentown (No. 311 Lower Dawson Road to Jellicoe Street) - Footpath

North Rockhampton State High School – Robinson Street – Footpath (STIP Funding)

Stanley Street / East Street - Intersection Upgrade (Blackspot Funding)

Deferred Projects

MAJOR PROJECTS UPDATE

Scrubby Creek Bridge Replacement

Scope The works to be undertaken will include the demolition of the existing single lane bridge on Scrubby Creek, Old Capricorn Highway and replacement with a double lane box culvert. This will also include the reconstruction of approximately 150m of the Old Capricorn Highway. This will improve safety and remove the load limit currently in place. This project is 80% funded by the Federal Government under the Bridge Renewal Program.

Original Budget	\$1.24M	Revised Budget	\$ 1.95M	Last Month		This Month	
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On the Horizon – Key Milestones & Deliverables

<p>August</p> <ul style="list-style-type: none"> • Old Capricorn Highway closed 14 August • Demolition Works underway (Contractor) • All pre-cast items are on site 	<p>September</p> <ul style="list-style-type: none"> • Base slab and culvert placement underway 	<p>October</p> <ul style="list-style-type: none"> • Place precast wingwalls and construct upstream and downstream aprons
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Comments Demolition contract has been awarded to Bellequip. Works will commence 14 August. Cost of supply of pre-cast components and demolition works were higher than anticipated in the original funding estimate.



River Rose Drive – New Road Construction

Scope	The works to be undertaken to link the two existing sections of River Rose Drive, Norman Gardens include the construction of a new road (including all underground services) and a roundabout with a connection point for a future extension to Stringybark Avenue, Norman Gardens.						
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Original Budget	\$2.25M	Revised Budget	\$2.5M	Last Month		This Month	
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On the Horizon – Key Milestones & Deliverables

<p>August</p> <ul style="list-style-type: none"> • Start electrical conduits • Finish second layer of gravel • Start footpath on River Rose Drive 	<p>September</p> <ul style="list-style-type: none"> • Continue street lighting conduits • Complete kerb and channel to Bunnings • Complete driveway works at Bunnings • Commence footpath from Bunnings 	<p>October</p> <ul style="list-style-type: none"> • Concrete centre median • Complete street lighting conduits • Complete pavement from Bunning to new roundabout with spray seal
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Comments	Works have recommenced and are generally progressing well while working in and around the Bunnings entrance.
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Campbell Street (Albert Street to Cambridge Street) - Reconstruction

Scope The works to be undertaken will include replacement of the kerb and channel on both sides of the road. Pavement replacement and improvements followed by an asphalt seal and garden beds. The project is 100% funded under the Local Roads and Community Infrastructure Program.

Original Budget	\$1.0M	Revised Budget	\$1.0M	Last Month		This Month	
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On the Horizon – Key Milestones & Deliverables

<p>August</p> <ul style="list-style-type: none"> • Complete all pavement replacement and improvements • Install irrigation for garden beds • Asphalt overlay 	<p>September</p> <ul style="list-style-type: none"> • Install garden beds • Commence works at the intersection on behalf of DTMR 	<p>October</p> <ul style="list-style-type: none"> • Complete DTMR works
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Comments As part of these works TMR have engaged Council to reconstruct their section of Campbell Street from Albert Street intersection. These additional works will be completed under a private works contract. All works are scheduled to be completed in September.



East Street / Stanley Street – Intersection Upgrade

Scope The works to be undertaken will include the installation of a single lane roundabout at the intersection of East Street and Stanley Street, Rockhampton, new asphalt surface on all approaches, installation of pedestrian refuges and an upgrade of the streetlighting. This project is funded through the Federal Government Blackspot program.

Original Budget	\$1.1M	Revised Budget	\$1.4M	Last Month		This Month	
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On the Horizon – Key Milestones & Deliverables

August			
<ul style="list-style-type: none"> • Landscaping • Project Delivered 			

Comments Roundabout opened 11/08/2023



11 NOTICES OF MOTION

Nil

12 QUESTIONS ON NOTICE

Nil

13 URGENT BUSINESS/QUESTIONS

Urgent Business is a provision in the Agenda for members to raise questions or matters of a genuinely urgent or emergent nature, that are not a change to Council Policy and can not be delayed until the next scheduled Council or Committee Meeting.

14 CLOSURE OF MEETING