
Infrastructure Services Committee Agenda

11 April 2023 at 12.30pm

To All Councillors

You are hereby notified that the next meeting of the Infrastructure Services Committee will be held on 11 April 2023 in the Council Chambers, Scone at 12.30pm, for the purpose of transacting the undermentioned business.

This meeting will be audio recorded and those in attendance should refrain from making any defamatory statements.

There are to be no other recordings of this meeting without the prior authorisation of the committee.

The Infrastructure Services Committee consists of

Cr Ron Campbell (Chair), Cr Tayah Clout, Mayor Maurice Collison and Cr Allison McPhee.

**GREG MCDONALD
GENERAL MANAGER**

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3. DISCLOSURES OF INTEREST
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5. BUSINESS ITEMS

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Infrastructure Services

INFRASTRUCTURE SERVICES REPORTS

ISC.04.1 WORKS PROGRAM - INFRASTRUCTURE SERVICES - WATER & SEWER

RESPONSIBLE OFFICER: Mathew Pringle - Director Planning & Infrastructure Services

AUTHOR: Grahame Wilson - Manager Water & Sewer

PURPOSE

The purpose of the report is to provide an update on major works undertaken by the Water and Sewer team over the previous month and works planned for the upcoming month.

RECOMMENDATION

That the Committee

1. receive the report and note the information; and
2. Endorse the "Briefing Note – "Murrurundi Dam Future Use" attached to this report

BACKGROUND

The report provides information to assist in addressing ratepayer enquiries regarding the operation, maintenance and other activities in the area of Water and Sewer.

REPORT/PROPOSAL

KPIs								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	Actual YTD	Comments
Sewer Services	Percentage of effluent recycled	%	70	70	>70	100	64.6	Monthly target achieved. Demand for recycled water has increased due to warm weather.

Scone Water Treatment Plant (Joint with Muswellbrook Shire Council)

At the Council meeting on 27 February 2023 a report was received on the Scone Water Treatment Plant outlining the plan to investigate the feasibility of having a joint water facility at Brushy Hill. The contents of this report were provided to Muswellbrook Council, which had a similar Council report. Both councils have adopted to:

- allow UHSC to manage the process through an in-house Project Manager and
- allocate \$20,000 each toward commencing the process

BECA (Formerly Hunter H2O) was engaged to commence the feasibility study to assess the viability of the Brushy Hill site. The scope is expected to take several months, the results will be reported as they become available.

Infrastructure Services

Application for the grant funding for the design of the process is yet to be submitted as the detail of the submission is being formalised.

Scone Sewerage Treatment Plant

The Scone Sewerage Treatment Plant is proposed to be replaced or upgraded depending on funding and/or technical capability of the existing plant.

In the last two months, an investigation has occurred into the performance of the intake works and the bioreactor (Bathurst Box). This investigation is likely to take several more months.

The initial assessment has found varying performance of the bioreactor. The quality of the output was less than expected. There are several courses of investigations being followed. Following this investigation, Council will have the knowledge if the plant can be upgraded or should be replaced.

Merriwa Sewerage Treatment Plant

The contract has been awarded to Dredging Solutions for removal of sludge.

A meeting occurred on 9 March to discuss commencement and UHSC required preparation of the site. Stabilisation of the site to facilitate the truck sludge removal has been completed. Continuing the preparation of contract document review for a start in April 2023

The required land acquisition to install discharge pipework from the dam to the river is continuing.

CCTV Sewer Relining Program

A contract has been awarded for the relining of sewer pipes in Murrurundi and Scone. Works on site are expected to commence in May 2023.

Water Main Renewal Work

Contract has been awarded to TCM for construction of nine (9) water main replacements in Murrurundi, Scone and Merriwa. Works scheduled to commence in Murrurundi in April 2023.

Sewer Main Repair Works

Sewer main access manhole and pipe repairs are continuing. Last month sixteen (16) manholes were rehabilitated reducing the inflow of groundwater to the sewer system. This work is partially complete with delivery of works by the Council plumbing team occurring throughout the rest of the year.

Aberdeen River Pump Station Improvements

Aberdeen River Pump Station upgrade is continuing and expected to be completed by 11 April 2023. The electrical switchboards that supply the raw water pumps from the river have been replaced as well as the control systems.

Infrastructure Services

Integrated Water Cycle Management Plan

Work is continuing on the Issues Paper. Additional work is occurring on above ground asset assessments, Murrurundi pipe reticulation system modelling and peak day demand analysis. The IWCM issues paper is expected to be completed in around 8 weeks.

Village Water Supply - Parkville/ Wingen/ Blandford

At the Council meeting on 27 February 2023, Council resolved the locations of the standpipes.

The sites have been inspected by Curran Consulting Engineers who have been contracted to design the concrete slabs for the infrastructure.

Scone to Murrurundi Pipeline

There are several easements yet to be finalised relating to the pipeline. The resolution of these easements will continue to be progressed for a further 6 months.

Glenbawn dam pipework discharge

There has been a failure of a support bracket in the discharge tunnel at Glenbawn Dam. This has raised very significant engineering concerns about the structural capacity in a short section of the pipeline.

Water NSW have agreed in the short term to operate the dam to reduce the structural impact on the pipe. In the long term, the issue will need to be resolved.

Council has sought assistance from Public Works Advisory (PWA) to determine loads and confirm the design requirements. PWA have been chosen as they have expertise in design in this space and have credibility with Water NSW. The engineering process alone will cost over \$100k.

The cost to resolve this issue will be allocated from the Water Reserve Fund. However, there is a formal agreement with Muswellbrook Council regarding ownership and maintenance responsibility. They have been contacted to commence discussions on cost sharing.

There are three supply points for the Scone water system. Two at Glenbawn dam and one at the river at Aberdeen. The two other water supplies will be used if the primary Glenbawn Dam pipeline becomes unavailable.

Murrurundi Dam

In the Infrastructure report on 15 December 2022, it was identified that Council is reviewing the viability of the Murrurundi Dam after the implementation of the Scone to Murrurundi pipeline. The dam costs around \$440,000 annually to operate with potentially little value to the community.

The assessment of the potential decommissioning of the dam needs to be undertaken using a structured approach ensuring that the asset's uses and value is understood and that the stakeholders are consulted.

Infrastructure Services

A “Briefing Note – “Murrurundi Dam Future Use” (attached) has been prepared that details the information known about the dam, and the current water supply to Murrurundi and describes the process to decide on the dam’s viability.

The process being proposed has 4 stages:

1. Determining the initial case for decommissioning
2. Making a case to maintain or decommission a dam
3. Initial selection of a method of decommissioning
4. Deciding on the preferred method of decommissioning

Council would make a decision at the end of Stage 2 when all the relevant facts are confirmed and consultation is completed.

This committee is requested to endorse the process as detailed in the “Briefing Note – “Murrurundi Dam Future Use”.

OPTIONS

1. To note the report
2. Reject the report

CONSULTATION

- Director Planning & Infrastructure
- Manager Water and Sewer
- Manager Finance
- Engineer Water and Sewer Distribution
- Engineer Water and Sewer Treatment
- Project Manager

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

- 4.1 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
- 4.2 Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.
- 4.3 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

Infrastructure Services

Responsible Governance

Providing efficient and responsible governance in order to effectively serve the community.

- 5.2 Council is focused on innovation and continuous improvement to ensure a high quality of service which is aligned with business needs and community priorities.
- 5.3 Effective financial and asset management to ensure Council's long-term sustainability.
- 5.6 Develop and maintain effective reporting systems that enable Council to measure and report on performance.
- 5.12 Provide timely and effective advocacy and leadership on key community issues and priorities.

b. Delivery Program

- Well maintained sewer network systems
- Improved effluent quality for discharge and recycling
- Elimination of discharge of fats and greases into the reticulation system
- Measure and reduce infiltration and inflow into reticulation system
- Sewerage schemes that meet licence requirements
- Ongoing approval and inspection process for trade waste management across the Shire
- Provide education around management of foreign objects (e.g. fats, greases and wipes) in to the reticulation system
- Supply and maintenance of reticulated potable and rural water supplies
- A water quality monitoring service to safeguard the public health as per NSW Health requirements
- Asset replacement and renewal program and planning
- Continued investigations into requirements to ensure that an adequate water supply can be maintained into the future
- An Integrated Water Cycle Management strategy (IWCM) • An Integrated Water Cycle Management strategy (IWCM) • An Integrated Water Cycle Management strategy (IWCM)
- An Integrated Water Cycle Management strategy (IWCM)
- An Integrated Water Cycle Management strategy (IWCM)

c. Other Plans

Various Asset Management Plans.

IMPLICATIONS

a. Policy and Procedural Implications

Maintenance guidelines as identified within Service Levels, Asset Management Plans and Strategic Plans.

b. Financial Implications

The cost to resolve this Glenbawn Dam support bracket issue will be funded from the Water Reserve Fund

Infrastructure Services

c. Legislative Implications

- Protection of the Environment Operations Act 1997
- Water Management Act 2000
- Public Health Regulation 2012

d. Risk Implications

Water security/quality is at risk if the discharge pipeline from Glenbawn Dam suffers failure and alternative water supplies are used

e. Sustainability Implications

All water and sewer works are undertaken with consideration to ongoing sustainable use of our water resources.

f. Other Implications

Nil

CONCLUSION

Recycled effluent water continues to be used at 100% level due to the current dry conditions. The recycled effluent water usage is expected to reduce now as we move into autumn and winter.

Project renewal works delivery continues, some projects like Merriwa Sewer Treatment Plant Sludge removal, water pipe renewal and sewer pipe relining will extend into the next financial year.

The Glenbawn Dam pipe discharge remains the highest risk item. The solution for this is being engineered and likely to take two months.

Murrurundi Dam future use is being explored and updates will continue to be provided on this assessment.

ATTACHMENTS

- 1 Briefing Note - Murrurundi Dam Future Use

Briefing Note – “Murrurundi Dam Future Use
Written By Grahame Wilson – Manager Water and Sewer
3 April 2023

Executive summary

This document follows the initiation process to potentially decommission the Murrurundi Dam.

There are three water sources for the Murrurundi Township being the pipeline from Scone, Murrurundi Dam and the Boyd Street Pump Station at the Pages River. There is a significant cost to run each water supply.

The Boyd Street supply is extracted from the Pages River and has reasonably good water quality but is likely to dry up two (2) years into a drought period. The Murrurundi Dam is a poor water quality source requiring filtering that is likely to be viable up to four (4) years into a drought period. Filtering of this water is occurring. The Scone to Murrurundi pipeline is a reliable good quality supply that is likely to be viable for at least six (6) years and three (3) months in a drought period. Overall, the pipeline supply from Scone provides portable water with the longest drought security.

Council recognises that water security is a high concern for all members of the community and a rigorous process must be followed to ensure that any decision on water security is appropriately assessed. It is proposed to assess the viability of the dam using the Victorian Government water agency process called, “Decommissioning Dams, A guide for dam owners”.

This briefing document completes Stage 1 “Determining the initial case for decommissioning”.

Discussion

The installation of the Scone to Murrurundi Pipeline has potentially changed the water assets required to deliver reliable water at Murrurundi. Previously the Murrurundi Dam was the critical asset, it is now become a backup system. The cost of this backup system is expensive and this report provides evidence of the costs and the value of having this secondary water source. An assessment needs to be completed and a decision required to be made on the value of keeping the dam asset, this decision is formalised below.

The decision making process around the viability of the dam is proposed to be in accordance with a Victorian Government document called, “Decommissioning Dams, A guide for dam owners”. There are 4 steps including:

- Stage 1 - Determining the initial case for decommissioning
- Stage 2 - Making a case to maintain or decommission a dam
- Stage 3 - Initial selection of a method of decommissioning
- Stage 4 - Deciding on the preferred method of decommissioning

Since the dam is not accessible to the community, it is expected that the community concerns are primarily around water supply rather than other use of the water body. It is proposed to consult the community only at the end of Stage 2 when all the information is available. Since the dam is a fully manufactured structure it is unlikely to have indigenous value in the structure and no consultation of this group is proposed.

The currently identified objectives are:

1. Reduced cost to the community through
 - a. eliminating operational costs;
 - b. eliminating procedural safety costs;
 - c. eliminating asset replacement costs.
2. Reduce Council's liability from a dam structure.

Other objectives will be included during the consultation process with stakeholders.

Murrurundi Dam

The Murrurundi dam facility consists of:

- Dam and the associated spillway, trunnion, pumps to the reservoir
- Lagoon, associated filling platforms and allium dosing system
- Litree filter facility including pumps and tank
- Discharge pumps and pipes
- Chlorine dosing facility
- Sludge drying beds

The principle structure of the Murrurundi Dam was built in 1983. Pre 2000 a lagoon (small water reservoir) was constructed which received water from the Pages River which was treated with allium, to precipitate out the algae, prior to being fed into the dam. In 2018 it was recognised that the water quality of the discharge water had high levels of algae and a filter membrane plant was installed.

The Murrurundi Dam holds 150Ml in accordance with the original plans. This volume is considered to be around 300 days of use by the Murrurundi Community excluding evaporation. The dam is 8.4m deep and covers an area of 3.5 hectares when full. The dam is filled by two methods; one is a 6km asbestos pipe that gravity feeds from the upper catchment of the Pages River. This pipe is old and will require replacement if the dam is to be retained. The alternative water source for the dam is from Boyd Street Pumping Station, a bore at the side of the Pages River. Both Boyd Street and upper catchment water flows into the lagoon where it is treated prior to being released into the dam.

Specific problems relating to the Murrurundi Dam are:

- Algae growth is significant in the dam. Fish have been added to the dam to provide some level of algae control
- pH of the discharge water requires monitored due to the use of liquid chlorine as the disinfectant
- Turbidity levels are variable but usually high due to algae and other suspended solids. This is resolved by filtering the water through the membrane plant.
- Water evaporation is significant at around 5mm/day in summer, 2mm/day winter. Useful water height is 5.0m being 1428 days or 4 years.

Pre 1998, Silver Perch fish were placed in the dam, and in 2012 Darling River Hardy Head fish were also added both to control the algae.

In January 2019, the township of Murrurundi ran out of water, which was the catalyst to build the Scone to Murrurundi pipeline fed from the Glenbawn Dam. The pipeline was completed in May 2022 and has been supplying water to Murrurundi for 30 months.

To date the reliability of the water source has been very high with the greatest shutdown of the system being 3 days when a mid pumping station failed due to a lightning strike. Other shutdowns have been typically 3-4 hours due to telemetry failures. While the reliability for the system indicates

a breakdown period of less than the current stored water volume in the Murrurundi reservoir, if the dam is decommissioned breakdown plans will need to be put in place.

Dams throughout NSW are regulated under the Dam Safety Act 2015 and Dam Safety Regulation 2019 by the Dam Safety Committee that review and prescribe actions required by organisations based on the levels of risk. The Murrurundi Dam is classified as a High C, which is a risk rating, based on the impact of the dam breaking. Council is required to have a systematic approach for the management of the dam safety which is implemented through Dam Safety NSW ([Guideline - Dam safety management system | Dams Safety \(nsw.gov.au\)](#)). The aggregation of the documents required to support the Dam Safety Management System are partially completed. The overall cost of Dam Safety Management System, the operations and the maintenance of the dam is detailed in the tables below, and averages at around \$440,000 per annum.

Dam Safety NSW Reporting Requirements

Table 1. Dam Safety Management System Costs

Document Description	Review Frequency	Revision Date	Cost (\$)
Dam Safety Management System	Annual	Every December	20,000.00
Annual Inspection	Annual	Every July	5,000.00
Annual Dams Safety Standards Report	Annual	Every March	500.00
Operation and Maintenance Plan	Annual	Every August	3,000.00
Emergency Plan (EP)	Annual	Routinely reviewed every January	1,000.00
Dam Safety NSW Annual Internal Audit	Annual	Every April	1,500.00
Dam Break and PLL Study	Once off	Revise prior to undertaking of the Risk Report	10,000.00
EP Classroom Exercise and Evaluation Report	Every 3 years	Due in January 2025	2,000.00
5 Yearly Assessment of Societal and Individual Risk Rating	Every 5 years	Due in December 2023	15,000.00
External 5-Yearly Surveillance Inspection	Every 5 years	Due in July 2024	20,000.00
EP Review	Every 5 years	Due in January 2027	8,000.00
EP Practical Exercise and Evaluation Report	Every 5 years	Due in December 2027	50,000.00

External Dam Safety Training	Dam Inspection Training Annually and Comprehensive Training in Every 5 years	Due now	1000.00 5000.00
Comprehensive Safety Review	Every 15 years	Due now	15,000.00
Consequence Category Assessment	Every 15 years	Due in July 2034	10,000.00

The following is a table describing the expected overall costs, for the first 5 years, to keep the dam operational.

Table 2. Total of All Dam Costs

	Yr-1	Yr-2	Yr-3	Yr-4	Yr-5
Dam Safety NSW Compliance Cost	\$167,000	\$22,360	\$22,731	\$25,313	\$23,506
Operation and Maintenance Cost	\$260,000	\$267,800	\$275,834	\$284,109	\$292,632
Asset Renewal Cost	\$0	\$0	\$500,000	\$100,000	\$150,000
Total	\$427,000	\$290,160	\$798,565	\$409,422	\$466,138

A complete analysis of the costs are attached in appendix 1.

Glenbawn Dam – Security of supply

Glenbawn Dam is owned and operated by Water NSW which is a state government agency.

WaterNSW release water in accordance with a plan devised by the NSW Department of Natural Resource Access Regulator (NRAR). Water allocation is prioritised based on:

1. Domestic and Stock;
2. Local Water Utilities;
3. Major Users;
4. Major Utilities;
5. High Security Access; and
6. 6. General Security.

UHSC water use is within the category of Local Water Utilities. When dam water levels falls water allocation can be reduced. In the last drought period, 2001-2007, the allocation was not reduced through any part of this drought period.

The assessment of Glenbawn Dam's capacity to provide water under drought conditions has been assessed by the Manager Water and Sewer, using Water NSW effective storage data (<https://realtime.data.watersnsw.com.au/>). The graph below shows between 2002 and 2007 over a 5 year 4 month period the dam level fell by 72%. It has been indicated by NSW Water that water can be extracted until 15% and at the reduction in level of 1.2% per month (calculated by the period above) an additional 11 month's supply would be achieved. Therefore at the rate calculated a total drought supply could be expected to be around 6 years 3 month's (based on no reduced water allocation).

While Liddell power station has been decommissioned there is not information if this will have an effect on the overall Hunter Regulated River Water Source or its ability to extend this water availability period.



Decision making scenarios to be included in the analysis. Scenarios considered in deciding to keep or decommission the dam will include:

- Murrurundi Dam's use as a backup supply for drought proofing the region
- Murrurundi Dam's use for emergency supply if the pipeline fails
- Water quality from Scone is poor (Algae causing boiled water alert)
- Need for firefighting water for town use
- Need for firefighting water for aircraft use

Additional scenarios for consideration will be included after consultation.

Consultation

The decision to remove the dam may have an effect on the planning and operations of other agencies within the areas and consultation will be undertaken to understand the implication of this decision.

Identified stakeholders are:

- Residents
- Landholders
- EPA
- UHSC water operations
- DPE
- NSW Health
- NSW Fire Service
- NSW regional Planning
- NSW Water

Groups excluded from consultation:

- Indigenous owners – the dam is a fully engineered structure, prior dam construction at this site would have removed all previous indigenous evidence
- Dam Safety Committee – are a regulatory body that does not comment on these matters L
Federal Government agencies

Conclusion

The Manager Water and Sewer has identified the Murrurundi Dam asset as a potential redundant asset requiring decommissioning. There is potentially \$440,000 in annual. The decision making process to decommission the dam requires to be defined prior to commencing the assessment process. The decision process will need input from Council and stakeholders. The endorsement of this document will confirm the process required for Council officers to undertake, prior to Council making a decision on this dam.

Infrastructure Services

ISC.04.2 WORKS PROGRAM - INFRASTRUCTURE SERVICES - WORKS DELIVERY

RESPONSIBLE OFFICER: Mathew Pringle - Director Planning & Infrastructure Services

AUTHOR: Sam Wooden - Manager Works Delivery

PURPOSE

The purpose of the report is to provide an update on the Works Delivery Program undertaken over the previous months and what is planned for the upcoming month.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

The report includes information on Infrastructure Services work including roads, bridges, and parks. The report provides information to assist in addressing enquiries regarding construction and maintenance works.

REPORT/PROPOSAL

The following table indicates the progress against the maintenance KPIs for 2022/23. Attachments 1 & 2 show the Grading and Resheeting Program progress.

Year to date is for the period at the end of March 2023.

KPI's								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	YTD Actual	Comments
Infrastructure Support	Number of customer complaints received regarding Council's infrastructure. (consolidated)	#	8.83	79.47	< 106	17	127	Off target
Private Works	Level of surplus achieved in terms of revenue of total project expenditure	%	20	20	> 20	20	20	On target
Stormwater	Completion of maintenance program, subject to	%	7.5	60	>90	71.14	69	On track YTD

Infrastructure Services

KPI's								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	YTD Actual	Comments
	funding (Stormwater)							
	Completion of planned inspections of the stormwater network using CCTV	%	7.5	52.5	>90	0	0	Program to be completed by June 2023
Street Cleaning	Length of Urban and CBD roads swept annually	km	38.6	308.6	>464	42	414	On track YTD
Public Conveniences	Number of customer request not responded to within 24 hours	#	3.3	26.4	< 40	0	0	On target
Swimming Pools	Percentage of time pools are open during the Season	%	100	100	100	100	100	On track
Bridges - Local	Inspect 87 bridges biennial	#	3.62	18.1	43.5	48	48	Completed
TfNSW State Roads	Average days after end of month contract claim lodged with TfNSW	#	<15	<15	<15	11	16.5	On track
	Percentage of operational maintenance and works order projects on state road completed	%	7.5	90	>90	3	65	Delays due to plant breakdowns
Roads - Local		km	80.8	727.20	>970	45.7	645.31	Off target

Infrastructure Services

KPI's								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	YTD Actual	Comments
	Length of gravel unsealed pavement network inspected							
	Length of local road sealed network resealed	km	2.16	19.44	>26	13.5	26.7	Yearly Target met
	Length of sealed pavement network inspected	km	38.3	344.7	>460	38.22	244.24	Off target
	Length of unsealed grading completed	km	96	864	>1,154	42.01	521.82	Off target. Program behind due to flood damage work and capital works program
Roads - Regional	Length of Regional networks road pavement inspected	km	14.5	130.5	>174	29.1	286.20	On target YTD
	Length of Regional road network resealed	km	1.25	10	>15	3	7.4	Resealing is temperature dependent. Unlikely any further resealing will occur this financial year.
Regional Bridges	Percentage of Regional Bridges inspected (45 total bridges)	%	4.16	33.33	>50	0	51	Annual target met
Signs and Line Marking	Maintenance of identified traffic signs and line marking completed annually	%	7.5	52.5	>90	37	37	Linemarking programmed

Infrastructure Services

Key Activities

UHSC Damages Claim AGRN 987 (Event 6)

Damages claim **AGRN 987** relates to the storm event of 6 November 2021 (Event 6) and includes **683** identified damages across Council's road network.

AGRN 987 Essential Public Asset Reconstruction (EPAR) response application was submitted to TFNSW on 6 October 22.

TFNSW has given the approval to proceed with a letter sent to Council on 13 December 2022 advising that funding of \$2,971,840 has been approved.

Works have commenced onsite to repair the flood-damaged roads in the EPAR claim and the completion of works has been recorded in the recovery database.

Pre-Work Schedule	Start Date	End Date
UHSC Damages Claim AGRN 987 (Event 6 November 2021)	18-Jul-22	2-Aug-22
Submission to TFNSW		
Submission of Estimation Costs to TFNSW for Approval	21-Sep-22	11-Oct-22
TFNSW Approval of Flood Damages Claim	2-Aug-22	13-Dec-22
Project Plan / Pack / Preparation of flood recovery works	31-Oct-22	5-Nov-22
Environmental Assessment (Memo)	31-Oct-22	15-Nov-22
Engagement (UHSC Preferred Panel List)	5-Nov-22	6-Nov-22
Flood Recovery Management (Civica)	31-Oct-22	30-Jun-23
Draft Flood Works Program		
Project Zone 1 – Scone South	18-Nov-22	28-Apr-22
Project Zone 2 – Scone East	18-Nov-22	28-Apr-22
Project Zone 3 – Murrurundi	18-Nov-22	28-Apr-22
Project Zone 4 – Scone West	16-Jan-23	30-May-23
Project Zone 5 – Bunnan	16-Jan-23	30-May-23
Project Zone 6 – Merriwa 1	18-Nov-22	30-May-23
Project Zone 7 – Merriwa 2	18-Nov-22	30-Jun-23
Post Work Schedule		
Handover of Documentation to TFNSW	30Jun-23	18-Jul-23

Damages Claim for UHSC (AGRN 987) - Design and Investigation Package

UHSC submitted EPA restoration form for the Design & Investigation Package for flood damage to TFNSW on 11 November 2022.

Flood damage details for the following roads –

- Ashbrooke Road
- Coulsons Creek Road
- Ridgelands Road
- Rouchel Road

Following a tender evaluation process, the council has provided a recommendation to TFNSW for the engagement of a professional services consultant, RHM Consulting Engineers in Scone, to start the investigation and complete the necessary design works.

Infrastructure Services

Council has submitted a strategic estimate for the construction works for all 6 flood-damaged sites.

Council has also prepared Minor Works Request for Quotation for all 6 flood damage sites.

TFNSW to review the strategic estimate and the EPAR Claim for the construction works

UHSC Damages Claim AGRN 1012 – Landslip on the Barrington Tops Forest Road

Council has submitted a flood damage claim to TFNSW in relation to AGRN 1012 for the damages related to the landslip on the Barrington Tops Forest Road.

A proposal for a geotechnical assessment has been confirmed and JC Geotechnics has been commissioned to carry out the geotechnical investigation and design works for the above project.

The contractor has completed the onsite borehole investigation works and provided a geotechnical factual report to council.

Council has also prepared a Review of Environmental Factors for Barrington Tops Forest Road. TFNSW has given verbal approval to proceed, and a formal funding letter is to follow. TFNSW to review the strategic estimate, geotechnical factual report and the EPAR claim for the construction works.

UHSC Damages Claim AGRN 1012 (Event 7) Cullingral Road (Crown Reserve)

Council has estimated the value of the damages claim to be \$41,100. The EPAR application was submitted to TFNSW on 12 January 2023.

UHSC Damages Claim AGRN 1034 (Event 8)

Council has estimated the value of the damages claim to be \$1.25 million. The EPAR application was submitted to TFNSW on 11 January 2023.

Fixing Local Roads Pothole Repair

Council has been successful in securing funding from NSW Government under the Fixing Local Roads Pothole Repair Round to the sum of \$591,431.97. Works to include routine and corrective maintenance of potholes in rigid and flexible pavements, sealed and unsealed roads. Staff will be concentrating on corrective maintenance across our sealed road network due to the number of hazardous sections requiring urgent attention.

Regional & Local Roads Repair Program

Council has been successful in securing funding from NSW Government under the Regional & Local Roads Repair Program to the sum of \$3,200,739.00.

Council staff and contractors will be working together to deliver these programs in 2023.

Initial Heavy Patching Program attached and Council has the scope to add additional roads.

Infrastructure Services

OPTIONS

To note the report.

CONSULTATION

- General Manager
- Director Planning & Infrastructure Services
- Infrastructure Services Managers
- Supervisors and Team Leaders

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Connected Community

Developing and deepening connections of people to each other and their community.

- 1.5 Advocate for, support and provide services and facilities for the community.

Protected Environment

Ensuring the ongoing protection of our environment and natural resources.

- 2.4 Implement and regularly review Strategic Land Use Plans, Environmental Planning Instruments and Development Controls, which reflect the needs and expectations of the broad Community.
- 2.6 Plan, facilitate and provide for a changing population for current and future generations.

Thriving Economy

Strengthening our vibrant industries and economy while seizing emerging opportunities.

- 3.3 Provide attractive and functional town centres and support revitalization of the towns and villages including investment in built heritage and improvement of existing buildings.

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

- 4.1 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
- 4.2 Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.
- 4.4 Upgrade and maintain the road network and bridges.
- 4.5 Advocate and improve access to communication services.

Responsible Governance

Providing efficient and responsible governance in order to effectively serve the community.

- 5.12 Provide timely and effective advocacy and leadership on key community issues and priorities.
- 5.3 Effective financial and asset management to ensure Council's long-term sustainability.

Infrastructure Services

b. Delivery Program

- A parks and open space maintenance program across Council
- A program to upgrade or replace parks and playground equipment to meet safety standards
- Maintained sporting grounds and venues
- Resources to seek grants for the development of sporting and recreational facilities through Government and private sources
- Swimming pools that are well maintained
- Management of lease contracts for all pools
- Compliance with Water Safety legislation and Best Practice Guidelines
- A service that is supportive of providing affordable access to residents
- A service that is supportive of providing affordable access to residents Other Plans Asset Management Plans.

IMPLICATIONS

a. Policy and Procedural Implications

Parks, Sporting Fields, Footpath, Road and Bridge maintenance guidelines as identified within Asset Management Plans and Strategic Plans.

b. Financial Implications

Identified within individual items in the 2022/23 budgets.

c. Legislative Implications

Not applicable

d. Risk Implications

Road and asset inspections are undertaken to mitigate and minimise Council's risk exposure in these areas.

e. Sustainability Implications

Nil

f. Other Implications

Nil

CONCLUSION

The report shows that the majority of KPI's are on target or will be on target by the end of the financial year. Some KPI's may continue to be off target at the end of the year due to competing priorities and the reallocation of resources into flood damage repair work and the capital works program. Currently, the main focus of the Works Delivery team is on flood damage repairs across the road network.

Infrastructure Services

ATTACHMENTS

- 1** Grading Program 2022-23
- 2** Resheet Program 2022-23
- 3** Heavy Patching Program

Upper Hunter Shire Council Grading Program 2022/23

Task Name	Hierarchy	Start	Finish	Actual Start	Actual Finish	1/07/2022	15/07/2022	29/07/2022	12/08/2022	26/08/2022	9/09/2022	23/09/2022	7/10/2022	21/10/2022	4/11/2022	18/11/2022	2/12/2022	16/12/2022	30/12/2022	13/01/2023	27/01/2023	10/02/2023	24/02/2023	10/03/2023	24/03/2023	7/04/2023	21/04/2023	5/05/2023	19/05/2023	2/06/2023	16/06/2023	30/06/2023
Merriwa																																
Old Scone	Rural 3	Mon 31/07/23	Mon 31/07/23																													
Webimble	Rural 4	Tue 1/08/23	Tue 1/08/23																													
Dales Creek	Rural 3	Wed 2/08/23	Tue 15/08/23	30/01/2023	1/02/2023																											
Cockatoo Gap	Rural 4	Wed 16/08/23	Wed 16/08/23																													
Inglewood	Rural 4	Wed 16/08/23	Wed 16/08/23	27/09/2022	27/09/2022																											
Middle Creek	Rural 3	Thu 17/08/23	Tue 29/08/23	14/09/2022	28/09/2022																											
Middle Creek	Rural 4	Tue 29/08/23	Tue 29/08/23	28/09/2022	28/09/2022																											
Gummun	Rural 2	Wed 30/08/23	Mon 4/09/23	13/09/2022	14/09/2022																											
Cream of Tar Tar	Rural 4	Tue 5/09/23	Wed 6/09/23	12/09/2022	12/09/2022																											
Judy Kelly	Rural 4	Wed 6/09/23	Thu 7/09/23	13/09/2022	13/09/2022																											
Mountain Station	Rural 1	Fri 8/09/23	Mon 11/09/23	8/09/2022	12/09/2022																											
Witneys	Rural 4	Mon 11/09/23	Mon 11/09/23																													
Westwood	Rural 3	Mon 11/09/23	Tue 12/09/23	7/09/2022	7/09/2022																											
Dunblane	Rural 4	Wed 13/09/23	Wed 13/09/23																													
Flaggs	Rural 2	Tue 30/08/22	Thu 8/09/22	22/08/2022	5/09/2022																											
Glen Ruby	Rural 4	Fri 9/09/22	Fri 9/09/22																													
Flags	Rural 2	Mon 12/09/22	Tue 13/09/22	22/08/2022	5/09/2022																											
Worondi	Rural 3	Tue 13/09/22	Thu 15/09/22	31/03/2023	31/03/2023																											
Depot	Rural 3	Thu 15/09/22	Thu 15/09/22																													
Tunbridge	Rural 3	Mon 19/09/22	Tue 20/09/22	10/11/2022	15/11/2022																											
Leitch	Rural 4	Wed 21/09/22	Wed 21/09/22	14/11/2022	14/11/2022																											
Tunbridge	Rural 3	Thu 22/09/22	Fri 23/09/22																													
Cullingral	Rural 3	Mon 26/09/22	Wed 28/09/22	25/10/2022	28/10/2022																											
Duggan	Rural 4	Wed 28/09/22	Wed 28/09/22	28/10/2022	28/10/2022																											
Avocado	Rural 3	Thu 29/09/22	Wed 5/10/22	3/08/2022	8/08/2022																											
Forest Reserve	Rural 3	Wed 5/10/22	Tue 11/10/22	15/09/2022	21/11/2022																											
Flight Springs	Rural 1	Tue 11/10/22	Thu 13/10/22	24/11/2022	30/11/2022																											
Possum Springs	Rural 4	Thu 13/10/22	Mon 17/10/22	30/11/2022	5/12/2022																											
Flight Springs	Rural 1	Tue 18/10/22	Thu 20/10/22	24/11/2022	30/11/2022																											
Springfield	Rural 4	Fri 21/10/22	Fri 21/10/22	17/11/2022	17/11/2022																											
Gum Ridge	Rural 4	Mon 24/10/22	Mon 24/10/22	2/12/2022	5/12/2022																											
Sunnyside	Rural 4	Mon 24/10/22	Tue 25/10/22	5/12/2022	7/12/2022																											
Krui	Rural 4	Tue 25/10/22	Wed 26/10/22	1/03/2023	3/03/2023																											
Alyndale	Rural 4	Wed 26/10/22	Wed 26/10/22	3/02/2022	2/02/2022																											
Idaville Road																																
Mount Erin	Rural 3	Thu 27/10/22	Thu 10/11/22	18/01/2023	27/02/2023																											
Roma	Rural 3	Thu 10/11/22	Mon 21/11/22	10/01/2023	17/01/2023																											
Hampshire	Rural 2	Tue 22/11/22	Wed 30/11/22	18/12/2022	13/01/2023																											
Glenroy	Rural 3	Wed 30/11/22	Mon 5/12/22	21/11/2022	30/11/2022																											
Lettybrook	Rural 4	Tue 6/12/22	Tue 6/12/22																													
Binks	Rural 3	Wed 7/12/22	Thu 8/12/22	5/12/2022	6/12/2022																											
Redwell	Rural 4	Thu 8/12/22	Tue 13/12/22	25/11/2022	12/01/2023																											
Neverfail	Rural 4	Tue 13/12/22	Thu 15/12/22	12/01/2023	12/01/2023																											

Upper Hunter Shire Council Grading Program 2022/23

[illegible]

Printed: 4/04/2023

Upper Hunter Shire Council Grading Program 2022/23

[illegible]

Dark Area is works completed
Shaded Area is planned works

Upper Hunter Shire Council Grading Program 2022/23

Task Name	Hierarchy	Start	Finish	Actual Start	Actual Finish	1/07/2022	15/07/2022	29/07/2022	12/08/2022	26/08/2022	9/09/2022	23/09/2022	7/10/2022	21/10/2022	4/11/2022	18/11/2022	2/12/2022	16/12/2022	30/12/2022	13/01/2023	27/01/2023	10/02/2023	24/02/2023	10/03/2023	24/03/2023	7/04/2023	21/04/2023	5/05/2023	19/05/2023	2/06/2023	16/06/2023	30/06/2023
Belltrees	Rural 4	Mon 27/03/23	Tue 28/03/23																													
Belltrees	Rural 3	Wed 29/03/23	Thu 30/03/23																													
Belltrees	Rural 2	Thu 30/03/23	Thu 30/03/23																													
Miranee	Rural 3	Mon 3/04/23	Tue 4/04/23																													
Waverley Road	Rural 1	Tue 4/04/23	Thu 13/04/23																													
Eulalia	Rural 4	Thu 13/04/23	Mon 17/04/23																													
Timor Gundy	Rural 1	Mon 17/04/23	Mon 24/04/23																													
Moonan Brook Rd	Rural 3	Mon 24/04/23	Tue 25/04/23																													
Barrington Tops Forest Road	Rural 1	Wed 26/04/23	Fri 5/05/23																													
Tomalla Road	Rural 2	Fri 5/05/23	Mon 5/06/23	16/02/2023	22/03/2023																											
Barrington Road	Rural 3	Mon 5/06/23	Tue 6/06/23																													
Pheasants Creek	Rural 3	Tue 6/06/23	Tue 6/06/23	14/03/2023	16/03/2023																											
Callemondah	Rural 4	Wed 7/06/23	Wed 21/06/23	6/03/2023	13/03/2023																											
Ringwood	Rural 1	Wed 21/06/23	Mon 3/07/23																													
Poly Fogal	Rural 3	Tue 4/07/23	Tue 11/07/23	1/03/2023																												
Sondan Road	Rural 4	Tue 11/07/23	Tue 11/07/23																													
Branch Creek	Rural 4	Wed 12/07/23	Mon 17/07/23																													
Sunny Brae	Rural 3	Mon 17/07/23	Wed 19/07/23																													
Hunter Road Ellerston to Glenrock	Rural 1	Thu 20/07/23	Wed 2/08/23																													
Orham Creek	Rural 4	Wed 2/08/23	Tue 8/08/23																													
Glenroy Road	Rural 3	Wed 9/08/23	Mon 14/08/23																													
Timor-Crawney	Rural 1	Mon 14/08/23	Mon 4/09/23																													
Waverley Road	Rural 1	Tue 5/09/23	Wed 13/09/23																													
Timor Gundy	Rural 1	Thu 14/09/23	Thu 21/09/23																													
Hunter Road Ellerston to Moonan	Rural 2	Fri 22/09/23	Wed 4/10/23																													
Stewarts Brook	Rural 2	Wed 4/10/23	Tue 10/10/23																													
Stewarts Brook	Rural 2	Wed 11/10/23	Fri 20/10/23																													
Belltrees	Rural 2	Fri 20/10/23	Fri 20/10/23																													
Tomalla Road	Rural 2	Mon 23/10/23	Mon 20/11/23																													
Scone																																
Wrights	Rural 4	Tue 13/09/22	Tue 13/09/22																													
Ashbrooke	Rural 3	Wed 14/09/22	Thu 15/09/22	12/09/2022	14/09/2022																											
Gateleys	Rural 4	Thu 15/09/22	Mon 19/09/22																													
Petwyn Vale	Rural 3	Mon 19/09/22	Mon 19/09/22																													
Dry Creek	Rural 3	Tue 20/09/22	Wed 21/09/22	27/09/2022	29/09/2022																											
Dry Creek	Rural 4	Wed 21/09/22	Fri 23/09/22	5/10/2022	31/10/2022																											
Middlebrook Rd	Rural 3	Fri 23/09/22	Mon 26/09/22	14/09/2022	21/09/2022																											
Middlebrook Drive	Rural 4	Tue 27/09/22	Tue 27/09/22	26/09/2022	26/09/2022																											
Banool	Rural 3	Tue 27/09/22	Tue 27/09/22																													
Mareeba	Rural 3	Wed 28/09/22	Thu 29/09/22	30/01/2023																												
Wallington	Rural 3	Mon 3/10/22	Tue 4/10/22	9/03/2023	15/03/2023																											
Smiths	Rural 4	Tue 4/10/22	Tue 4/10/22																													
Common	Rural 3	Wed 5/10/22	Wed 5/10/22																													
Cliftlands	Rural 2	Thu 6/10/22	Fri 7/10/22	19/08/2022	25/08/2022																											
Moobi	Rural 2	Mon 10/10/22	Thu 13/10/22	25/08/2022	9/09/2022																											

Dark Area is works completed
Shaded Area is planned works

[illegible]

Dark Area is works completed
Shaded Area is planned works

Upper Hunter Shire Council Grading Program 2022/23

Task Name	Hierarchy	Start	Finish	Actual Start	Actual Finish	1/07/2022	15/07/2022	29/07/2022	12/08/2022	26/08/2022	9/09/2022	23/09/2022	7/10/2022	21/10/2022	4/11/2022	18/11/2022	2/12/2022	16/12/2022	30/12/2022	13/01/2023	27/01/2023	10/02/2023	24/02/2023	10/03/2023	24/03/2023	7/04/2023	21/04/2023	5/05/2023	19/05/2023	2/06/2023	16/06/2023	30/06/2023
Back Creek	Rural 3	Wed 15/03/23	Wed 15/03/23	9/08/2022	10/08/2022																											
Upper Rouchel	Rural 3	Thu 16/03/23	Wed 5/04/23	14/07/2022	20/07/2022																											
Malumla	Rural 4	Wed 5/04/23	Thu 6/04/23	14/07/2022	20/07/2022																											
Davis Creek	Rural 3	Thu 6/04/23	Thu 6/04/23																													
Davis Creek	Rural 4	Fri 7/04/23	Wed 12/04/23																													
Studleigh	Rural 4	Thu 13/04/23	Thu 13/04/23																													
Halcombe	Rural 3	Mon 17/04/23	Mon 17/04/23																													
Turanville	Rural 2	Tue 18/04/23	Wed 19/04/23	18/07/2022	20/07/2022																											
Ranch	Rural 4	Thu 20/04/23	Thu 20/04/23																													
Leighton Park	Rural 3	Thu 20/04/23	Fri 21/04/23																													
Glen Creek	Rural 3	Fri 21/04/23	Mon 24/04/23																													
Bobs camp road	Rural 4	Mon 24/04/23	Tue 25/04/23																													
Nectarbank	Rural 4	Wed 26/04/23	Wed 26/04/23																													
Meerimuka	Rural 4	Wed 26/04/23	Thu 27/04/23																													

Upper Hunter Shire Council Resheeting Program 2022/23

Task Name	Start Chainage	End Chainage	Gravel Use	Start	Finish	Actual Start	Actual Finish	1/07/2022	15/07/2022	29/07/2022	12/08/2022	26/08/2022	9/09/2022	23/09/2022	7/10/2022	21/10/2022	4/11/2022	18/11/2022	2/12/2022	16/12/2022	30/12/2022	13/01/2023	27/01/2023	10/02/2023	24/02/2023	10/03/2023	
Merriwa																											
Gummun	2.1	5.1		Tue 1/11/22	Mon 7/11/22																						
Mountain Station	0	3.0		Tue 11/10/22	Mon 17/10/22	6/10/2022	12/10/2022																				
Tunbridge	2	3.5		Tue 20/09/22	Fri 23/09/22																						
Tunbridge	4.5	5.5		Fri 23/09/22	Wed 28/09/22																						
Mount Erin	2.8	4.3		Tue 6/12/22	Fri 9/12/22	7/02/2022	27/02/2023																				
Mount Erin	11.8	13.3		Fri 9/12/22	Wed 14/12/22		27/02/2023																				
Roma	7.3	10.3		Tue 7/02/23	Mon 13/02/23																						
Murrurundi																											
Scotts Creek	0	3.0		Fri 26/08/22	Thu 1/09/22	1/09/2022	8/09/2022																				
Timor-Crawney	14.6	17.6		Mon 10/10/22	Fri 14/10/22	9/01/2023	27/01/2023																				
Stewarts Brook	12.8	16.0		Mon 7/11/22	Mon 14/11/22	1/12/2022	16/12/2022																				
Timor Gundy	8.4	11.4		Thu 1/12/22	Wed 7/12/22	30/01/2023	13/02/2023																				
Tomalla Road	9.6	11.9		Wed 1/02/23	Tue 7/02/23	16/02/2023	22/03/2023																				
Scone																											
Turanville	0	1.9	3800.0	Mon 15/08/22	Fri 19/08/22	18/07/2022	20/07/2022																				
Turanville	2.3	2.8		Mon 15/08/22	Fri 19/08/22	18/07/2022	20/07/2022																				
Turanville	3.2	3.7		Mon 15/08/22	Fri 19/08/22	24/07/2022	24/07/2022																				
Dry Creek	0	2.0		Mon 6/03/23	Thu 9/03/23	27/09/2022	31/10/2022																				

 Works Completed
 Planned Works



Infrastructure Services

ISC.04.3

STRATEGIC AND CAPITAL WORKS UPDATE

RESPONSIBLE OFFICER: Mathew Pringle - Director Planning & Infrastructure Services

AUTHOR: Sam Wooden - Manager Works Delivery

PURPOSE

The purpose of this report is to provide an update on capital works projects within the 2022/2023 budgetary period.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

As part of the 2022/23 Delivery Program and Operational Plan, a schedule of the planned capital works has been prepared. This report details the progress on strategic and capital works within Infrastructure Services – refer Attachment 1. Attachment 2 shows expenditure of the capital program for all areas.

REPORT/PROPOSAL

	Expenditure – March 2023			
	Original Budget	Revised Budget	YTD Budget	YTD Actual
Projects	\$51,900,585	\$37,186,714	\$12,385,001	\$12,222,782
% of YTD Actual works completed to Revised YTD Budget				98.69%
% of YTD Actual works completed to Revised Full Year Budget				32.87%

OPTIONS

1. To note the report.
2. Reject the report.

CONSULTATION

- Director Planning & Infrastructure
- Manager Works Delivery
- Manager Strategic Assets
- Manager Water & Sewer
- Manager Special Projects
- Manager Finance

Infrastructure Services

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

- 4.1 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
- 4.3 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.
- 4.4 Upgrade and maintain the road network and bridges.

Responsible Governance

Providing efficient and responsible governance in order to effectively serve the community.

- 5.3 Effective financial and asset management to ensure Council's long-term sustainability.
- 5.4 Open and effective communication methods and technology are utilised to share information about Council plans, intentions, actions and progress.

b. Delivery Program

- A well maintained Council bridge network
- Preventative maintenance work with increased effectiveness
- Ongoing assessment of cycleways and paved footpaths in accordance with Council's Inspection, Evaluation and Maintenance of Footpaths/Cycleways policy
- Well maintained cycleways, paved and unpaved footpaths
- A workforce able to undertake maintenance and construction works on State Highway No.27 (Golden Highway)
- The ability to actively pursue work orders to improve the quality of the Golden Highway and maximise the safety of the road users
- Well maintained regional urban rural sealed and unsealed road networks
- Increased effectiveness of preventative maintenance work as part of maintenance management works practices
- Increase effectiveness of preventative maintenance work as part of maintenance management works practices

c. Other Plans

Many projects are identified within Community Plans, Emergency Plans or Specific Operational Plans.

Council's Asset Management Plans are also reference documents for the development of the Capital Works Program.

Infrastructure Services

IMPLICATIONS

a. Policy and Procedural Implications

Some projects involve grant funds, community donations or use other funding sources such as R2R funds and Section 94 contributions.

Expenditure of these funds is in accordance with relevant policies and legislative requirements.

b. Financial Implications

All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2022/23.

c. Legislative Implications

Not applicable.

d. Risk Implications

The correct planning and completion of capital projects assists Council to mitigate their risk exposure.

e. Sustainability Implications

Nil.

f. Other Implications

Not applicable

CONCLUSION

The capital works update report provides Councillors with a review of the progress of capital works for the 2022/23 financial year.

ATTACHMENTS

1 Capital Works Update 2022-23

Capital Expenditure report will be provided under a separate cover on or before the meeting.

Project Name	Summary Scope / deliverables	Project Value	Funding Amount & Source	Target Completion Date	Estimated Completion Date	Cost to Date	Budget Status	Budget Status Comment	Schedule Status	Schedule Status Comment	Activities for Next Three Months
Aberdeen Reservoirs	Replacement of high-tower reservoir	\$ 150,000.00	UHSC	Dec-21	Dec-23	\$ 27,153.00		Revised 21/22 Budget \$25,000. Budget met 21/22		Stage one of electrical works completed	Nil proposed action in FY22-23
Amaroo Park Upgrade	Playground upgrade with equipment and footpath	\$ 188,137.00	ECP	Feb-23	Mar-23	\$ 202,372.50		Invoices pending		Work commenced and is due to be completed in March 2023	Project Completed
Barrington Forest Road	Upgrade of road for its first seal. Includes drainage structures.	\$ 9,869,687.00	\$7,224,234 Fixing Local Roads \$1,460,868 LRCIF \$1,184,585 UHSC	Jun-23	Jun-24	\$ 124,474.00		Budget threatened by high market prices		Detailed design started in January - 50% draft design completed	Continue detailed design process
Bridges - Albano Bridge	Replacement of timber bridge with concrete bridge	\$ 817,692.00	\$617,692 Fixing Country Bridges \$200,000 UHSC	Apr-24	Jan-24	\$ 27,341.00		Additional funding variation has been approved.		Financial assessment was good - Tender awarded	Detailed design of bridge.
Bridges - Ashford's Bridge	Replacement of timber bridge with concrete bridge	\$ 1,072,942.00	\$1,042,942 Fixing Country Bridges \$30,000 UHSC	Apr-24	Jan-24	\$ 23,453.00		Additional funding variation has been approved.		Financial assessment was good - Tender awarded	Detailed design of bridge.
Bridges - Blues Bridge	Replacement of timber bridge with concrete bridge	\$ 534,655.00	\$504,655 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Jun-23	\$ 127,866.00		Additional funding variation has been approved.		Old bridge demolished in February 2023 - Piling nearing completion	Bridge construction to be completed
Bridges - Bobialla Creek Bridge	Replacement of timber bridge with concrete bridge	\$ 1,321,722.00	\$1,291,722 Fixing Country Bridges \$30,000 UHSC	Apr-24	Mar-24	\$ 27,710.00		Additional funding variation has been approved.		Financial assessment was very good. Tender awarded. Piling commenced	Detailed design of bridge.
Bridges - Dartbrook Bridge	Replacement of timber bridge with concrete bridge	\$ 2,063,596.00	\$1,993,596 Fixing Country Bridges \$70,000 UHSC	Apr-24	Apr-24	\$ 34,730.00		Additional funding variation has been approved.		Financial assessment was very good - Tender awarded	Detailed design of bridge.
Bridges - Lapstone Gully Bridge 2.0km and Culvert 2.9km	Replacement of timber bridge with concrete bridge	\$ 1,133,208.00	\$1,103,208 Fixing Country Bridges \$30,000 UHSC	Apr-24	Mar-24	\$ 53,055.00		Additional funding variation has been approved.		Financial assessment was good - Tender awarded	Detailed design of bridge.
Bridges - Little Street Bridge	Replacement of timber bridge with concrete bridge	\$ 656,584.00	\$626,584 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Jul-23	\$ 388,870.00		Additional funding variation has been approved.		Deck poured	Iniqu bridge construction completed
Bridges - Scotts Creek Bridge No2	Replacement of timber bridge with concrete bridge	\$ 718,087.00	\$688,087 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Oct-23	\$ 99,289.00		Additional funding variation has been approved.		Bridge demolished	Commencement of construction with demolition of existing bridge, survey, piling & abutments - Pile driving unsuccessful, revised design details being sought
Bridges - Scotts Creek Bridge No3	Replacement of timber bridge with concrete bridge	\$ 529,043.00	\$499,043 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Sep-23	\$ 136,508.00		Additional funding variation has been approved.		Bridge demolished. Temporary crossing installed in Feb - Adjustments & wingwalls poured	Deck construction
Bridges - Warlands Bridge No1	Replacement of timber bridge with concrete bridge	\$ 639,509.00	\$609,509 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Mar-23	\$ 446,372.00		Additional funding variation has been approved.		Bridge works complete	Road opening

Project Name	Summary Scope / deliverables	Project Value	Funding Amount & Source	Target Completion Date	Estimated Completion Date	Cost to Date	Budget Status	Budget Status Comment	Schedule Status	Schedule Status Comment	Activities for Next Three Months
Bridges - Warlands Bridge No2	Replacement of timber bridge with concrete bridge	\$ 508,622.00	\$478,622 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Sep-23	\$ 52,701.00		Additional funding variation has been approved.		Design completed. For Construction drawings issued.	Commence piling
Bridges - Warlands Bridge No3	Replacement of timber bridge with concrete bridge	\$ 508,622.00	\$478,622 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Oct-23	\$ 57,166.00		Additional funding variation has been approved.		Design completed. For Construction drawings issued.	Commence piling
Bridges - Warlands Bridge No4	Replacement of timber bridge with concrete bridge	\$ 515,605.00	\$485,605 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Nov-23	\$ 55,300.00		Additional funding variation has been approved.		Design completed. For Construction drawings issued.	Commence piling
Bridges - Warlands Bridge No5	Replacement of timber bridge with concrete bridge	\$ 558,117.00	\$528,117 Fixing Country Bridges Program \$30,000 UHSC	Apr-24	Dec-23	\$ 55,108.00		Additional funding variation has been approved.		Design completed. For Construction drawings issued.	Foundation integration - footings poured
Hunter Road Upgrade	Upgrade of road for its first seal. Includes drainage structures and causeway improvements.	\$ 5,604,900.00	\$2,000,000 Heavy Vehicle Safety & Productivity Program \$3,000,000 Fixing Local Roads FLR4 \$604,900 UHSC	Sep-23	Dec-23	\$ 252,192.00		Fixing Local Roads Grant application successful - \$3 Million - Total project cost \$5.6 Million		Final detailed road design has been issued. An extension of time has been approved for completion of project by Sept 2023	Earthworks & tree clearing. Some land acquisition may be required for road widening.
Integrated Water Cycle Management Plan (IWCMP)	Completion of the IWCMP for UHSC, as per NSW Government Best Practice Guidelines	\$ 439,967.00		Jul-22	Jul-24	\$ 108,575.00		On track.		Above asset condition assessment was added as a variation	Finalising Issues Paper
Merriwa Cycle and Walk Way	To build a 4km footpath connecting areas of interest in Merriwa	\$ 982,674.00	\$922,674 BLERF \$60,000 UHSC	Jun-23	Jun-23	\$ 796,097.00		On track		On track	Construction of bitumen section & concrete works.
Moonan Brook Road Upgrade	Upgrade of road for its first seal. Includes drainage structures and causeway improvements.	\$ 5,600,000.00	\$4,900,000 Fixing Local Roads \$500,000 Roads to Recovery \$200,000 UHSC	Apr-22	Sep-23	\$ 418,308.00		Work being undertaken by Council. Variation submitted to decrease length of works to 3.5km.		Works have commenced	Continuation of earthworks & drainage.
MR105 (Gundy Road) & Glewnbawn Road Intersection	Intersection Upgrade	\$ 250,000.00	UHSC	Jun-23	Dec-22	\$ 329,601.00		Additional works required on culvert saw an increase in the budget		Completed	Completed
MR105 (Gundy Road) Repair - 26km to Belltrees Hill	Pavement reconstruction	\$ 565,000.00	UHSC	Jun-23	Mar-23	\$ 387,215.00		Off track due to increase in contractor rates		Works programmed for March/April 2023	Linemarking and guardrail
Murulla Street Causeway	Upgrade to causeway	\$ 1,250,000.00	\$1,150,000 Upper Hunter Region Mine Affected Roads \$100,000 UHSC	Jun-20	Nov-23	\$ 103,994.00		Causeway upgrade is within budget.		Final plans for causeway upgrade are nearing completion. Anticipate that project to be delivered on time providing extension of time is granted.	Seek approval for EOT for causeway upgrade. Complete final plans and tender documents. Tender for construction. Commence construction.
NSW Betterment Program - Causeways	Sophia Creek Road Upper Dartbrook Road Kars Springs Road Hampshire Road Moonan Brook Road Avocado Road Glenroy Road Possum Springs Road Roma Road Mount Erin Road Yarrowonga Road Nandowra Road Dales Creek Road Sargeants Gap Road Middlebrook Road Flight Springs Road Ridgelands Road	\$ 1,872,000.00	NSW Betterment Program	May-25	May-25	\$ -		On Track		On Track	Contractors engage & commence works

Project Name	Summary Scope / deliverables	Project Value	Funding Amount & Source	Target Completion Date	Estimated Completion Date	Cost to Date	Budget Status	Budget Status Comment	Schedule Status	Schedule Status Comment	Activities for Next Three Months
NSW Betterment Program - Drainage	Flaggs Road Lettybrook Road Upper Rouchel Road Summerhill Road Rosebud Road Studleigh Road Upper Dartbrook Road Mount Erin Road Kars Springs Road Brawboy Road Rotherwood Road Coolah Road Ridglands Road Avocado Road Yarrowonga Road Middlebrook Road	\$ 698,490.00	NSW Betterment Program	May-25	May-25	\$ -		On Track		On Track	Pipes & headwalls ordered
Parks & Gardens – Tree Planting	Tree planting	\$ 5,000.00	UHSC	Jun-23	Jun-23	\$ -		On track		On track	Trees have been ordered, awaiting delivery. Will be programmed for planting once arrived
Public Cemeteries – Aberdeen Lawn Cemetery Extension	Construction of new Columbarium Wall	\$20,000	UHSC	Jun-23	Jun-23	\$ -		On track		Commenced	
Public Cemeteries – Tree Planting	Tree planting in all cemeteries across the Shire	\$ 5,000.00	UHSC	Jun-23	Jun-23	\$ -		On track		On track	Trees have been ordered, awaiting delivery. Will be programmed for planting once arrived
Roads - Local - Pages Creek & Sargeants Gap Roads Upgrades	Widening Seal and Drainage Works	\$ 598,935.00	UHSC	Jun-23	Jun-23	\$ -		On track		On track	Commencement in 2023
Roads – Local Hackets Road Merriwa	Upgrade from unsealed road to sealed pavement	\$ 100,000.00	UHSC	Jun-23	Jun-23			On track		On track	Overlay, moving of telstra line and seal.
Roads Local Bow Street (Blaxland Street to MacCartney Street)	Design work for upgrade from unsealed road to sealed pavement	\$ 60,000.00	UHSC	Jun-23	Jun-23			On track		On track	Project in review of plans and design.
Roads - Regional & Local Road Upgrades	Potholes & Heavy Patch Program	\$ 3,200,739.00	Regional & Local Road Repair Program	Feb-24	Feb-24	\$ -		On track		On track	Commencing works
Roads - Local Roads Upgrade	Potholes & Heavy Patch Program	\$ 591,431.97	Fixing Local Roads Program	Feb-24	Feb-24	\$ -		On track		On track	Commencing works
Scone Airport Development		\$ 23,600,000.00		Nov-22	Jun-23	\$ 22,600,000.00		On track		Works nearing completion	Refuelling facility & workshop to be finalised in 2023
Scone EOC (Emergency Operation Centre) upgrade	Upgrade internet service and emergency operation centre infrastructure including generator	\$ 348,648.00	Resilience NSW	Jun-23	Jun-23	\$ 47,041.00		On track		Installation delayed until May/June 23	Purchase of equipment and installation
Scone Library Development	Installation of a library in the ground floor of the Campbells Corner building	\$ 750,000.00						Currently insufficient funding to proceed		DA submit in Dec 22. UHSC D&E have requested additional information being prepared by UHSC Projects	Submission of DA to council, Engage a Certifier, Complete the fire Engineering design, prepare a reviewed Statement of Environmental Effects as required by UHSC DA section, prepare tender documents
Scone Tennis Club	Court Resurfacing	\$ 191,278.00	SCCF4	Nov-22	Feb-23	\$ -		On track		Hold up in quotation process due to availability of contractors.	Begin construction
Scone CBD Revitalisation	Revitalisation of Kelly Street Scone between Kingdon and Susan Streets, a park at St Aubins Street and drainage works in Liverpool Street.	\$ 15,816,273.00	Grants		Dec-23	\$ 1,900,000.00		Contract awarded for works to meet available budget		Contract awarded, works have commenced	Commencement of works at St Aubins Park and west side Kelly Steet (St Aubins to Liverpool)
Scone Water Treatment Upgrades	Install UV tratment system, pre-chlorination and flouride dosing systems for the Scone water supply system.	\$ 1,850,000.00	UHSC	Aug-22	Mar-24	\$ 125,975.00		Progressing		Review scope documents to go to tender	Tendering UV Module
Sewerage Services - Merriwa STP Cleaning Polishing Ponds	Remove and dispose of sludge from the ponds.	\$ 1,299,697.00	UHSC	Mar-23	Jul-23	\$ 8,000.00		Implementation likley to commence late in the financial year. Expect 50% work completed 22/23 financial year		Contract awarded expect start on site late April 2023	Project prestart documentation, site works
Sporting Grounds & Venues - Jefferson Park Reserve	Masterplan for Jefferson Park	\$ 50,000.00	UHSC	Jun-23	Jun-23	\$ -				Expressions of interest to usergroups closed 16 December	Review committee applications
Sporting Grounds & Venues - Merriwa Showground Upgrade	Pending Funding	\$ 68,482.00	UHSC	Jun-23	Jun-23	\$ -		pending funding			waiting on funding approval
Sporting Grounds & Venues - Murray Bain Oval Lighting Upgrade	Pending Funding	\$ 150,000.00	SCCF	Jun-23	Jun-23	\$ -		pending funding		pending funding	waiting on funding approval
Sporting Grounds & Venues - Scone Tennis Club Courts Resurfacing		\$ 191,278.00	UHSC	Jun-23	Jun-23			pending funding			
Stormwater Mangement - Belmore St Channel	Improve drainage	\$ 200,000.00	UHSC	Jun-23	Jun-23	\$ -		On track		On track	Commencement
Stormwater Mangement - Segenhoe & Graeme Sts Aberdeen	Upgrade drainage	\$ 100,000.00	UHSC	Dec-22	Dec-22	\$ 88,724.00		On track		On track	Nearing completion

Project Name	Summary Scope / deliverables	Project Value	Funding Amount & Source	Target Completion Date	Estimated Completion Date	Cost to Date	Budget Status	Budget Status Comment	Schedule Status	Schedule Status Comment	Activities for Next Three Months
Stormwater Replacement Program	Improve stormwater drainage network	\$ 60,000.00	UHSC	Jun-23	Jun-23	\$ -	On track		On track		Commencement in 2023
Street Lighting	Lighting over pedestrian crossing located Vennacher Street Merriwa	\$ 60,000.00	UHSC	Jun-23	Jun-23	\$ -	On track		On track		Engage contractor to survey intersection
Swimming Pools - Merriwa Pool Amenities Upgrade	Upgrade to amenities	\$ 218,904.00	SCCR4 \$218,904 UHSC \$40,000	Nov-22	Jun-23	\$ 5,375.00	On track		At it's meeting on 29 August 2022 Council resolved to complete the amenities upgrade in-house in the off-season prior to June 2023.		Purchasing of materials
Swimming Pools - Murrurundi Pool Chlorine Dosing Plant		\$ 32,500.00	UHSC	Jun-23	Jun-23		On track		On hold		Project on hold due to Chlorine supply issue
Swimming Pools - Scone Pool Amenities Upgrade	Upgrade to amenities	\$ 187,200.00	SCCF4 \$152,539 UHSC \$76,661	Nov-22	Jun-23	\$ 5,215.00	On track		At it's meeting on 29 August 2022 Council resolved to complete the amenities upgrade in-house in the off-season prior to June 2023 pending the funding body agree to an extension.		Purchasing of materials
Waste Management - Aberdeen Waste Facility Expansion	Expansion of waste management facility	\$ 468,000.00	UHSC	Jun-23	Jun-23	\$ 4,116.00	On Track		Consultants engaged		Submit planning application
Waste Management - Merriwa Transfer Station	Development of new transfer station.	\$ 278,801.00	UHSC	Jun-23	Jun-23		On track		On track		
Waste Management - Murrurundi Transfer Station	Development of new transfer station.	\$ 275,591.00	UHSC	Jun-23	Jun-23		On track		Negotiating ownership of the land. Designs finalised		Prepare development application. Community meeting.
Waste Management - Scone Moving Bay		\$ 145,000.00	UHSC	Jun-23	Jun-23		On track		On track		
Water Supplies - Village Reticulation Project	Installation of three water standpipe filling stations, Parkville, Wingen, Blandford	\$ 800,000.00	SSW		Apr-23	\$ 358,000.00	Within Budget		Water fill stations have been approved by Council. Project Manager on board and project is progressing		Agree on locations and key specifications with ISC/Council. Final design and tendering.
Water Supplies - Moobi Road Water Booster Pump Station	Installation	\$ 255,000.00	UHSC		Dec-23						
Water Supplies - Murrurundi Village Reticulation	Installation of outlet stations	\$ 600,000.00	Grants		Jun-23				On track		Concept design completed and location/concept approved by Council
Water Supplies - Raw water Pump Station Upgrade - Aberdeen	Installation of replacement Scone delivery pump, and associated valves and electrical system	\$ 640,250.00	UHSC	Jun-23	Jun-23	\$ 448,102.00	On track		On track		Completion of project expected early April 2023
Water Supplies - Replace High Tower Tank & Platform - Aberdeen	Installation of high tower tank	\$ 269,813.00	UHSC	Jan-24	Jun-24	\$ 27,154.00	Deferred to 2023/2024		On Track		Re-scheduled majority of works to 2023/2024
Water Supplies - Telemetry Upgrade	Upgrade of telemetry systems shire wide	\$ 255,000.00	UHSC	May-23	Jun-24	\$ -	Majority Deferred to 2023/2024		On Track		Re-scheduled majority of works to 2023/2024
White Park Electrical Supply Upgrade	Upgrade supply of electricity to White Park	\$ 875,000.00	R4R7	Mar-23	Dec-23	\$ 59,000.00	Within Budget		Electrical design approvals and land consolidation taking much longer than estimated. Delivery timeline at risk.		Finalisation of Electrical Design. Completion of land consolidation. Tendering works.

Infrastructure Services

ISC.04.4

MR358 WILLOW TREE ROAD UPGRADE

RESPONSIBLE OFFICER: Wayne Phelps - Acting Director Corporate & Community Services

AUTHOR: Jeff Bush - Manager Strategic Assets

PURPOSE

The purpose of the report is to provide an update on the Coulson's Creek Road (MR358) Rehabilitation Project.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

Upper Hunter Shire Council undertook the construction of the Merriwa to Willow Tree Road (Coulson's Creek Rd, also known as MR358) in December 2019.

Cracking of the pavement and downslope fill embankment appeared after completion of major earthworks in October and November 2019. Further cracking developed in February 2020.

Council engaged geotechnical engineers and after an initial site inspection on 3 March 2020, the geotechnical advice on the condition of road and associated infrastructure was to impose a 5 tonne load limit and single lane configuration. Further geotechnical investigations, fieldwork and daily, weekly and monthly monitoring has continued since then.

A Project Control Group (PCG) was formed in September 2020 with representatives from Upper Hunter Shire Council, Transport for New South Wales, Infrastructure New South Wales and Public Works Advisory. The PCG has been charged with managing the road and the related design and construction phases of the project.

In January 2021, the PCG recommended following the latest geotechnical inspections, that the road be closed to all traffic with the key criteria of cracking extending to and beyond the centreline of the road.

GHD – Detailed Design of Construction Rehabilitation

GHD have issued the Construction Documents (Design, Specifications and Review of Environmental Factors).

REPORT/PROPOSAL

Site Access

The locks and chains have been replaced.

Project Control Group

The PCG met on 4 April 2023 to discuss the construction tender, funding commitments and project management.

Infrastructure Services

Remediation Earthworks (Early Earthworks)

The remediation works completed appear to have settled with only minor changes over the last six months.

GHD – Detailed Design of Construction Rehabilitation

GHD have completed all IFC drawings and documents.

Construction Rehabilitation Tender

The tender has closed. The tenders are being evaluated both on non-price and price criteria. A report will be submitted to the PCG for endorsement and then to Council for adoption and award at the May 2023 Council meeting.

State and Federal Funding

Funding applications are currently undergoing final review by both the State and Federal Governments. Once completed Council will be issued with a funding deed for execution.

The funding for the project has been given approval in principle by both State and Federal Governments.

Key activities for March:

- Evaluation of the tenders.

Emerging issues:

- Approved funding deeds to be received for execution from both the State & Federal Governments
- Completion of tender process with evaluation of proposed tenderers and recommendation to Council for adoption.

OPTIONS

To note the report

CONSULTATION

- General Manager
- Director Planning & Infrastructure
- Infrastructure Services Managers
- Douglas Partners Pty Ltd
- GHD Pty Ltd
- Infrastructure New South Wales
- Transport for New South Wales
- Public Works Advisory

Infrastructure Services

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Connected Community

Developing and deepening connections of people to each other and their community.

- 1.4 Enhance partnerships to maintain a safe community.
- 1.5 Advocate for, support and provide services and facilities for the community.
- 1.7 Acknowledge and respect our Aboriginal culture, heritage and people.

Protected Environment

Ensuring the ongoing protection of our environment and natural resources.

- 2.3 Ensure all actions, decisions and policy response to natural hazards and climate change remain current.
- 2.6 Plan, facilitate and provide for a changing population for current and future generations.

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

- 4.4 Upgrade and maintain the road network and bridges.

Responsible Governance

Providing efficient and responsible governance in order to effectively serve the community.

- 5.3 Effective financial and asset management to ensure Council's long-term sustainability.
- 5.12 Provide timely and effective advocacy and leadership on key community issues and priorities.

b. Delivery Program

- Asset information, construction, survey and design service
- Long term asset renewal and enhancement programs
- The ability to actively pursue work orders to improve the quality of the Golden Highway and maximise the safety of the road users
- An avenue to continue to lobby for increased road funding
- Construction and quality specifications for road construction
- Increased effectiveness of preventative maintenance work as part of maintenance management works practices
- Well maintained regional urban rural sealed and unsealed road networks
- Well maintained regional urban rural sealed and unsealed road networks • Well maintained regional urban rural sealed and unsealed road networks
- Well maintained regional urban rural sealed and unsealed road networks
- Other Plans
- Asset Management Plans.

IMPLICATIONS

a. Policy and Procedural Implications

Parks, Sporting Fields, Footpath, Road and Bridge maintenance guidelines as identified within Asset Management Plans and Strategic Plans.

Infrastructure Services

b. Financial Implications

No funds are confirmed for construction at this stage.

c. Legislative Implications

Not applicable.

d. Risk Implications

Council has deemed there is an unacceptable risk to road users, and thus the road has been closed. Other risks include environmental, future funding and community impacts.

As noted previously in this report, an inspection at the toe (bottom) of the major failure revealed it has now reached the gully. Council staff have reported to the Environmental Protection Agency (EPA).

The rehabilitation and construction of Coulsons Creek Road is a substantial risk that will require appropriate management and control throughout the construction works.

e. Sustainability Implications

There are some significant environmental issues that include mass fill movements, tree loss, erosion and sediment controls. These must be addressed in the design process and form part of the review of environmental factors.

As noted the toe of the major failure has reached the gully. Council staff have reported this to the Environmental Protection Agency. Council staff are currently in consultation with stakeholders, specialists and authorities to determine the best method to control the sediments entering the watercourses.

f. Other Implications

Nil

CONCLUSION

The road closed due to risk and safety concerns.
Remedial (early) earthworks completed.
Issued for Construction documentation completed:

- Design
- Specifications
- Report
- Review of Environmental Factors

Tender documents are complete.
Tenders have closed for award at the May Council meeting.

ATTACHMENTS

Nil.

Infrastructure Services

ISC.04.5

LOCAL ROADS INITIAL SEAL - PROJECT UPDATE

RESPONSIBLE OFFICER: Wayne Phelps - Acting Director Corporate & Community Services

AUTHOR: Chris Agosto - Project Manager

PURPOSE

The purpose of this report is to provide an update on the three major roads projects, being:

- Moonan Brook Road
- Hunter Road
- Barrington Tops Forest Road.

RECOMMENDATION

That Council receive the report and note the information.

BACKGROUND

This report provides information to assist in understanding the current status of the project, what work has recently been completed and the work that is forecast for the next month, plus the revised forecast for the end of the project.

REPORT/PROPOSAL

Moonan Brook Road

Description of Works

Design and construction of the improvement, widening and initial seal of Moonan Brook Road, a total length of 3.5 km from the intersection with Hunter Road to just past the intersection with Barrington Tops Forest Road. This includes the upgrading of storm water drainage structures.

The Works will provide an improved level of service with greater access to the Moonan Brook Camping and Recreational Area and to the Barrington Tops National Park with increased safety by reducing the risk for road users with improved alignment and sight distances, additional safety barriers and signage. This will increase productivity for local primary producers and increase tourism within the region which will provide an increase to the local economy.

Start of Construction – February 2023

Open to Traffic – September 2023

This Period's Progress Summary

- Commencement of tree clearing in early February 2023 by Summit Open Space Service
- Commencement of earthworks by Nitro Civil Excavations in early March 2023, starting on the major cutting between chainages 220 and 360 utilising a 25 tonne excavator with a rock pick where necessary
- Commencement of grubbing and stripping by Vision Excavations.

Infrastructure Services

Next Period's Planned Activity

- Completion of tree clearing and mulching
- Completion of major cuttings
- Earthworks for road widening and drainage structures.

Barrington Tops Forest Road

Description of Works

Design and construction of the improvement, widening and initial seal of Barrington Tops Forest Road, a total length of 9 km from the intersection with Moonan Brook Road. This includes the upgrading of storm water drainage structures.

The Works will provide an improved level of service across the Barrington Tops. It will increase safety by reducing the risk for road users with improved alignment and sight distances, additional safety barriers and signage and road widening on corners where possible. This will increase tourism and productivity for local primary producers which will provide an increase to the local economy.

Start of Construction – July 2023

Open to Traffic – May 2024

This Period's Progress Summary

- Development of the detailed road design.

Next Period's Planned Activity

- Completion of the detailed road design
- Seek an exemption for tendering the works from the funding bodies as the works will be done by Council managing a number of contractors
- Order stormwater pipes and culverts.

Hunter Road

Description of Works

Design and construction of the improvement, widening and initial seal of Hunter Road, a total length of 4.0 km from Naracoorte. This includes the upgrading of storm water drainage structures.

The Works will provide an improved level of service to Ellerston and Tomalla Road. It will increase safety by reducing the risk for road users with improved alignment and sight distances, additional safety barriers and signage and road widening on corners. This will increase productivity for local primary producers which will provide an increase to the local economy.

Start of Construction – October 2023

Open to Traffic – December 2024

This Period's Progress Summary

- Confirmation of additional \$3M funding from the Fixing Local Roads Round 4 program.

Next Period's Planned Activity

- Seek an exemption for tendering the works from the funding bodies as the works will be done by Council managing a number of contractors
- Order stormwater pipes and culverts.

Infrastructure Services

OPTIONS

1. Nil.

CONSULTATION

- Director Infrastructure Services
- Manager Strategic Assets
- Finance Manager
- Manager Works Delivery
- Local residents.

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

- 4.4 Upgrade and maintain the road network and bridges.

b. Delivery Program

- Construction and quality specifications for road construction
- Well maintained regional urban rural sealed and unsealed road networks

c. Other Plans

Nil.

IMPLICATIONS

a. Policy and Procedural Implications

Nil.

b. Financial Implications

Funding

Funding for the Local Roads Initial Seal Project is broken down in the table below.

Funding Source	Road Project		
	Moonan Brook Rd	Hunter Rd	BT Forest Rd
Fixing Local Roads	\$4,900,000	\$3,000,000	\$7,224,234
Roads to Recovery	\$500,000		
LRCIF			\$1,460,868
HVSP		\$2,000,000	
UHSC	\$200,000	\$604,899	\$1,184,585
Total Funding	\$5,600,000	\$5,604,899	\$9,869,687

Infrastructure Services

Expenditure

The expenditure to date for each road is shown in the table below.

Road Project	Job-to-date	Budget	% of Budget
Moonan Brook Rd	\$418,308	\$5,600,000	7%
Hunter Rd	\$252,192	\$5,604,899	4%
BT Forest Rd	\$124,555	\$9,869,687	1%

c. Legislative Implications

Nil.

d. Risk Implications

A risk register is being maintained for the three roads. The current major risks are shown in the table below.

Risk	Rating	Management Action	Status
Cost exceeding budget	Medium	Tight control of expenditure	Ongoing
Late completion	Medium	Monitoring of progress & sequencing of activities	Ongoing
Supply of culverts taking excessive time	Medium	Culverts ordered in advance	Ongoing
Widening of cuttings being hard	Medium	Employ contractor with suitable equipment	Ongoing
Slope failure	Medium	Monitor actual against design	Ongoing
Environmental damage	Low	Ensure sediment controls are in place	Ongoing

e. Sustainability Implications

Nil.

f. Other Implications

Nil.

CONCLUSION

This report provides an update to Councillors with a review of progress of the project, highlighting any emerging risks or issues.

ATTACHMENTS

There are no enclosures for this report

Infrastructure Services

ISC.04.6

SCONE CBD REVITALISATION PROJECT

RESPONSIBLE OFFICER: Wayne Phelps - Acting Director Corporate & Community Services

AUTHOR: Alan Greer - Project Manager

RECOMMENDATION

That Council receive the report and note the information.

BACKGROUND

This report provides information to assist in understanding the current status of the project, what work has recently been completed and the work that is forecast for the next month, plus the revised forecast for the end of the project.

REPORT/PROPOSAL

Description of Works

Daracon Contractors Pty Ltd have been appointed to undertake Stage 1 of the Scone CBD Revitalisation Project. Stage 1 is the redevelopment of Kelly Street between Kingdon and St Aubins Streets, including St Aubins Town Square.

The project comprises the construction of new wider footpaths, additional crossings and parking, road resurfacing, landscaping and upgrades to utilities (electrical, water and pedestrian lighting).

This period's progress summary

- The Contractor has submitted a detailed application to Transport for NSW, outlining the proposed traffic management arrangements for the works. Approval of a Road Occupancy Licence is required before work can commence (refer to attached plan).
- St Aubins Street has been closed and currently confirming the location of underground assets to ensure they are not damaged during the works.
- Commence liaising with the property owners to undertake a Building Inspection report.
- Commence water main replacement works in St Aubins Street.

Next period's planned activity summary

- Undertake night works on 13 April 2023 to install signage, barrier installation and line marking to facilitate the northbound traffic closure between Liverpool Street and St Aubins Street. Diversion via Guernsey Street.
- Cut in new isolation valve into the existing watermain St Aubins Street.
- Commence construction works in St Aubins Town Square and Kelly Street west side between Liverpool and St Aubins Street.
- Establishment of Contractor facilities. The Contractor will utilise space at the back of Campbell's Corner, Muffet St and vacant area adjacent to Scone Memorial Swimming Pool.

Infrastructure Services

Contract Completion Dates

Area	Scheduled Completion Date	Current Completion Date
St Aubins Town Square	30/06/2023	30/06/2023
B2 Liverpool to St Aubins - West	25/09/2023	25/09/2023
B1 Kingdon to Liverpool – West	11/12/2023	11/12/2023
B2 Liverpool to St Aubins - East	12/02/2024	12/02/2024
B2 Liverpool to St Aubins – Road and Median	12/02/2024	12/02/2024
B1 Kingdon to Liverpool - East	01/05/2024	01/05/2024
B1 Kingdon to Liverpool - Road and Median	01/05/2024	01/05/2024
Liverpool intersection works	01/05/2024	01/05/2024

OPTIONS

1. Nil.

CONSULTATION

- Acting Director Corporate & Community Services
- Manager Assets and Strategic Projects
- Manager Finance
- Manager Water and Sewer
- Scone Town Revitalisation Committee
- Kelly Street property owners and businesses
- Transport for NSW
- Scone Chamber of Commerce

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Protected Environment

Ensuring the ongoing protection of our environment and natural resources.

2.6 Plan, facilitate and provide for a changing population for current and future generations.

Infrastructure Services

Thriving Economy

Strengthening our vibrant industries and economy while seizing emerging opportunities.

- 3.1 Broaden and promote the range of business and industry sectors.
- 3.2 Encourage retail and commercial business to increase local employment opportunities.
- 3.3 Provide attractive and functional town centres and support revitalization of the towns and villages including investment in built heritage and improvement of existing buildings.
- 3.6 Facilitate and support increased and innovative tourism and marketing opportunities.

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

- 4.1 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
- 4.2 Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.

b. Delivery Program

- Town Revitalisation Plans implementation

c. Other Plans

- Scone Town Revitalisation Masterplan (2016).

IMPLICATIONS

a. Policy and Procedural Implications

Nil.

b. Financial Implications

Funding

Funding for the project is shown in the table below.

Sources of Funds	
Drought Stimulus Grant	\$7,000,000
Restart NSW	\$2,965,782
Public Places Legacy Program	\$2,000,000
Transport for NSW	\$2,060,000
Upper Hunter Shire Council (UHSC) - General Fund	\$988,595
Upper Hunter Shire Council (UHSC) - Water Fund	\$801,896
Total Funding	\$15,816,273

Infrastructure Services

Spend to Date

Approved Total Project Budget	\$15,816,273
Amount spent to date	\$1,970,717
% of Budget	12.5%

c. Legislative Implications

Nil.

d. Risk Implications

A risk register is being maintained for Scone CBD Revitalisation. The current major risks are show in the table below.

Risk	Rating	Management Action	Status
Cost exceeding budget	Medium	Tight control of expenditure	Ongoing
Late completion	High	Monitoring of progress and sequencing of activities	Ongoing

e. Sustainability Implications

Nil.

f. Other Implications

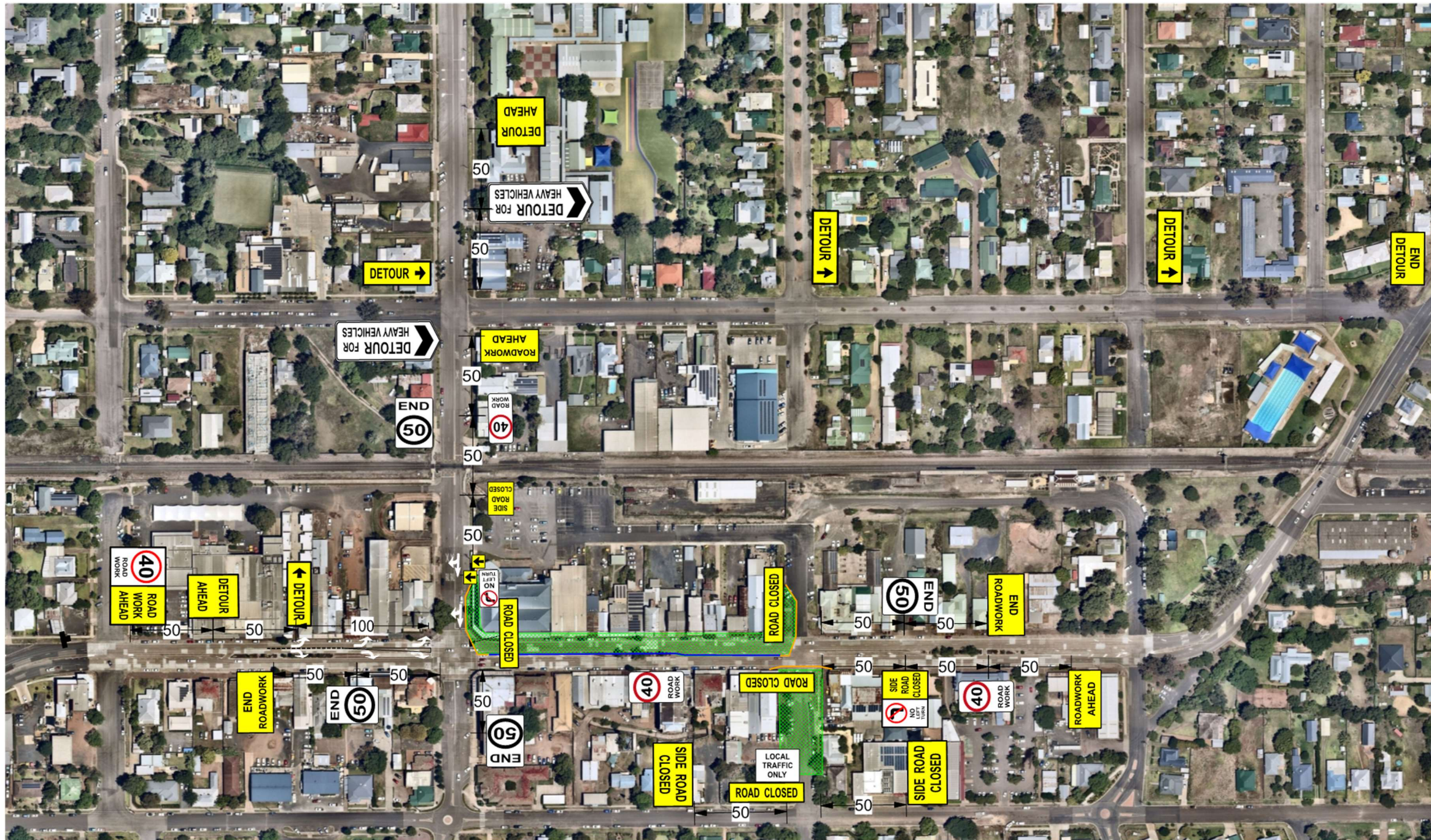
Nil.

CONCLUSION

This report provides an update to Councillors with a review of progress of the project, highlighting any emerging risks or issues.

ATTACHMENTS

- 1 Traffic Management Plan

**NOTES:**

1. For site access, construction traffic movements and pedestrian management, Refer to Site VMP 1803-VMP-003 (Stage 1 VMP/PMP)
2. Design Speed (D) on Kelly St is 50km/hr. Future design speed on Kelly St is 40 km/hr
3. Long Term Works TGS
4. All traffic control diagrams to be read in conjunction with TCAWSS 2020 v.6
5. Signage to be placed on the side of the road adjacent to traffic flow. Signage shall be placed as designated by the TGS unless site conditions warrant alteration by authorised personnel.
6. No change to South Bound Kelly St traffic



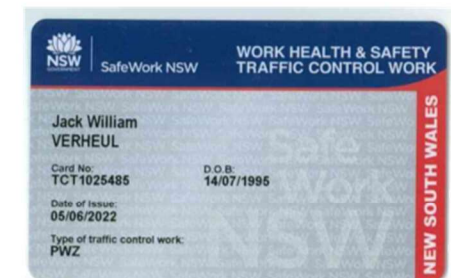
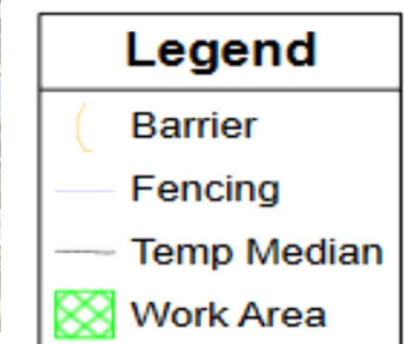
Project: Scone CBD Revitalisation
Job # 1803

Stage 1 Detour 1803-TGS-002

Revision: 1

Date: 7/03/2023

Drawn By: Jack Verheul

PLAN NOT TO SCALE

Infrastructure Services

ISC.04.7

RESPONSE TO PREVIOUS QUESTIONS

RESPONSIBLE OFFICER: Mathew Pringle - Director Planning & Infrastructure Services

AUTHOR: Leah Moore - Infrastructure Support Officer

PURPOSE

The purpose of the report is to provide an update to Councillors on questions asked at the previous Infrastructure Services Committee meeting.

RECOMMENDATION

For notation only.

BACKGROUND

At each Infrastructure Services Committee meeting the Councillors pose questions to the Planning and Infrastructure Services Director and Managers. Some questions require further investigation.

This report is to provide a record of the questions asked by the Councillors and to ensure staff have provided answers and relevant information as required.

This report will show the questions raised from the last meeting and any outstanding questions. Please note that if the question is a service request the question will be moved to the CRM system and will not be shown in this report.

REPORT/PROPOSAL

Councillor questions taken on notice at the November meeting.

ISC.03.3 – Strategic and Capital Works Update

Cr Campbell, in reference to line 150 of the Capital Works Expenditure Report, requested details of the building improvements for Merriwa Community Hall

Response: The Manager Works Delivery confirmed the \$2,145, detailed in line 150 of the Capital Works Expenditure Report, was spent on replacement of the air-conditioning unit at the Merriwa Community Hall.

STRATEGIC LINKS

a. Community Strategic Plan 2032

This report links to the Community Strategic Plan 2032 as follows:

Quality Infrastructure

Maintaining and developing our infrastructure network to meet the ongoing needs of our population.

4.4 Upgrade and maintain the road network and bridges.

Infrastructure Services

b. Delivery Program

- Increase effectiveness of preventative maintenance work as part of maintenance management works practices
- System development to enhance infrastructure delivery

ATTACHMENTS

Nil.

Infrastructure Services

ISC.04.8

QUESTIONS WITH NOTICE

RESPONSIBLE OFFICER: Mathew Pringle - Director Planning & Infrastructure Services

AUTHOR: Leah Moore - Infrastructure Support Officer

RECOMMENDATION

That the Committee note the questions received and responses provided.

BACKGROUND

Questions with notice must be provided in writing no less than five (5) business days prior to the meeting.

The following question with notice has been received and response is provided below.

Cr Clout

Can the first gully on Kars Springs Rd (Tommy's gully) be looked at and hopefully fixed? The tar spray that was put on it over the gravel a month or two back has not held up at all, as the potholes are quite deep and rough even for 4WD's and are only getting worse.

Response: The Manager Works Delivery confirmed the works undertaken were temporary works to slow the deterioration of the damage until such time as a full restoration could be undertaken. This methodology has been used on a number of flood damaged sections while Council waited for state funding to be approved. This work should hold for approximately 12 Months but in some cases further flooding has impacted these interim repairs. This will be completed as part of the heavy patching program.

ATTACHMENTS

Nil.