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# **Infrastructure Services Committee Agenda**

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11 July 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 July 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**

1. APPLICATIONS FOR ATTENDING MEETING VIA VIDEO LINK
2. APOLOGIES
3. DISCLOSURES OF INTEREST
4. PUBLIC PARTICIPATION
5. BUSINESS ITEMS

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## Infrastructure Services

### INFRASTRUCTURE SERVICES REPORTS

#### ISC.07.1 **WORKS PROGRAM - INFRASTRUCTURE SERVICES - WATER & SEWER**

**RESPONSIBLE OFFICER:** Rag Upadhyaya - Director 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 next step in the process of arranging a public community meeting to discuss the Murrurundi Dam

#### **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
<b>Sewer Services</b>	Percentage of effluent recycled	%	70	70	>70	100	71%	Monthly and YTD target achieved. Demand for recycled water remains steady.

#### **Scone Water Treatment Plant (Joint with Muswellbrook Shire Council)**

BECA have attended site and completed the aerial survey. They have been contacted but are yet to supply concept designs, sizing, or the design of the plant layout.

#### **Scone Sewage Treatment Plant**

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

Council officers continue to undertake testing and modification of the processes within the Scone Sewage Treatment Plant. Information from the last month of work has confirmed that the tertiary treatment (lagoons) are partially filled and causing the outflow effluent to be poor quality. Timing on the removal of sludge from the lagoons is being assessed, with the possibility that sludge removal will be required in the 2023/2024 financial year.

A site meeting has been arranged for councillors to view the Scone Sewage Treatment Plant on 19 July 2023 to gain further understanding of plant conditions and discuss possible future direction on the facility.

## **Infrastructure Services**

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### **Merriwa Sewage Treatment Plant – Sludge Removal**

The removal of sludge from the tertiary ponds commenced in the week 15 May 2023 with setup and operating within a week. The process now seems to be operating in a controlled manner with removal occurring at a steady rate. It is expected to continue until the end July.

The acquisition of the easement for installation of the discharge pipe to the river is continuing with formal letters to the resident requesting acceptance to agree to an easement having been sent.

### **Sewer Relining Program**

A contract has been awarded for the relining of sewer pipes in Murrurundi and Scone. Cleaning and CCTV works commenced on 29 May 2023 in Scone for a three (3) week period. The relining crew is expected to commence July 2023 for an expected eight (8) week program across Scone and Murrurundi.

### **Water Main Renewal Work**

Contract has been awarded to TCM for construction of eleven (11) water main replacements in Murrurundi, Scone and Merriwa. Works are continuing in Barton/Susan Streets and Phillip Street Scone. A second work crew has been mobilised to meet work program.

### **Miscellaneous Repair Works**

Sewer main access manhole and pipe repairs has commenced using HL Mullane, 6 repairs are being completed.

A local plumber is also engaged to conduct repairs. He is yet to commence on site.

Fitt Resources are scheduled to undertake manhole cover maintenance works in mid July 2023.

UHSC staff have completed smoke testing of 40% of Murrurundi and 50% of Merriwa. This technique is used to locate defects in the plumbing that create water ingress during rain events. Council has sent letters to residents with identified defects requesting repairs to be completed within 6 months.

DPE has offered a “free” potable water leak identification. This offer has been accepted with the contractor due to commence in mid July 2023. The detection testing will occur at Cassilis, Merriwa, Murrurundi, Aberdeen and Scone.

### **Aberdeen River Pump Station Improvements**

Aberdeen River Pump Station upgrade is complete.

### **Integrated Water Cycle Management Plan**

There is currently a delay occurring within this process where Council has requested a variation to undertake an above ground assessment of all water and sewer assets for the IWCM. This variation is required to be approved through DPE in the next three months. It is expected that this delay will continue for several weeks or months. No progress over the last month.

However, work is continuing on the Issues Paper for other approved work. Work has commenced on the options analysis for identified components within the Issues Paper.

## **Infrastructure Services**

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### **Village Water Supply - Parkville/ Wingen/ Blandford**

Water fill stations works on site are commencing July with installation of pipework. Notification to residents indicating commencement of works has occurred for properties directly adjacent to the works.

Fencing at Wingen with the adjacent neighbour has been organised and will be installed prior to other works.

### **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 3 months.

### **Glenbawn Dam pipework discharge**

PWA is organising to undertake a survey of the tunnel, which will occur in July.

### **Murrurundi Dam**

Council has completed a letterbox drop on 8 June to the residents. Approximately 500 leaflets were delivered to mailboxes. Leaflets were available at the UHSC Murrurundi Council Office Counter. Feedback responses closed 23 June 2023.

Throughout the consultation process, we received a total of 35 responses from residents within the Murrurundi area.

Within the responses there was

- A duplicate from the same person identified at two different addresses with different content
- 4 responses outside the area of Murrurundi identified as McCully's Gap, Blandford, Lingane, Gundy Road
- Two responses had identical table of requests with 8 points (1-8)
- A significant response from two customers.

Excluding duplicates and persons outside the area, there were 30 responses from Murrurundi residents or 6% of the identified population and the summary of response categories are outlined below.

Five or more responses included:

- Use the dam as a recreational facility.
- Oppose the decommissioning of the dam.
- Maintain the dam as an additional water supply in case of Glenbawn Dam or pipeline unavailability

Four responses included:

- Consider the potential for tourism development
- Needed the dam for a fire fighting resource
- Use for bird life/wetland/nature reserve
- Opportunity for tree planting

One response included:

- Allow the facility to be recommissioned if required
- Use may be cheaper than the Glenbawn supply due to electricity costs
- Use for breeding of fish
- Consider the environmental impact of shutting down the dam
- Suggested it could be turned into a waste facility/waste transfer facility but will have effect on residents
- Recommending not to use as a recreational facility as it may attract "Hoons"

## **Infrastructure Services**

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Given the level of public interest and the diverse range of opinions expressed, we believe it is crucial to foster a community discussion. The community's input will be instrumental in guiding our decision-making process. Therefore, it is recommended that council officers will organise a public community meeting in the next month to allow us to address concerns, clarify any misunderstandings, and explore potential solutions collectively. A notification period of seven days will be provided to residents, and further details regarding the meeting will be communicated in due course.

Additional to the above public consultation, the Manager of Water and Sewer has scheduled a meeting on 6 July with the five landowners affected by the water supply pipe that feeds the Murrurundi Dam. This meeting aims to gather their input and understand their preferred option for the future of this pipe asset, which will be taken into consideration when evaluating the overall decision.

### **OPTIONS**

1. To note the report
2. Reject the report

### **CONSULTATION**

- Director Infrastructure Services
- 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.

#### **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.

## Infrastructure Services

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### 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)

### c. Other Plans

Council's 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

Nil

### c. Legislative Implications

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

### d. Risk Implications

Nil

### e. Sustainability Implications

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

### f. Other Implications

Nil

## Infrastructure Services

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### **CONCLUSION**

Recycled effluent water continues to be used at 100% level due to the current dry conditions.

Merriwa Sewage Treatment Plant Sludge removal, water pipe renewal and sewer pipe relining are being delivered at the planned rate however; the projects will extend into the next financial year.

The Glenbawn Dam pipe discharge remains the highest risk item. The solution for this is progressing with the engagement of PWA. There has been limited progress in this in the past month.

Murrurundi Dam public consultation, in the form of a leaflet in a letterbox drop, has yielded 35 responses requesting a community meeting.

### **ATTACHMENTS**

- 1 [↓](#) Murrurundi Dam Consultation Feedback

## MURRURUNDI DAM CONSULTATION FORM - FEEDBACK

## FEEDBACK

I think the Dam should be kept as a nature reserve. It would be a waste of money and resource to obliterate it as we face increasingly hot and dry weather

We need to preserve this dam as an asset for the town for now and the future! It would be a great for tourism and also for locals use! I would welcome the opportunity to talk to the council about this

Would like to see the Adam site saved, not decommissioned!! A native wetland

A meeting in Murrurundi would be strongly advised.

Does not sound like a good idea. Council looking to cut costs...interesting.

The dam should remain full and the area become a picnic/recreational area.

This is an opportunity to build on our Tourism "Back to Nature" in the Upper Hunter. We have many people now visiting Murrurundi, in particular, looking to camp and also explore our walking trails, which is something we need to explore and this dam could eventually be that opportunity. The community needs to know the ongoing cost to the council to make an informed decision, we also need this budget to seek future funding to continue the work. Murrurundi Community has proven its ability to pull teams of volunteers together to make things happen and I feel this may just be the opportunity to work with our council that has some ownership to it. Residents of the UHS want to help the council reduce costs, although this may not be the simple fix. Proposal 1 That unnecessary UHSC infrastructure be decommissioned and removed (as the council sees fit). 2 Existing water lines be capped at the point of entry and egress. 3 A tree planting design be offered in partnership with the local Landcare group, Pages River Warriors, and any volunteers that wish to become involved. 4 The utilisation of the dam be enhanced by strategic plantings of water plants native to this area to potentially attract more waterbirds. 5 That park benches be placed around the site for community use. 6 This adds to the attraction of our town as a destination and or a family-friendly place to visit. 7 While some may say that being near a dam could be seen as dangerous, One should ask, where is the river fenced? 8 Create a site to display local provenance vegetation species as well as the rare Eucalyptus Conjuncta a Eucalyptus species found only on the southern slopes of Murrurundi.

Council will be pleased to know that I agree with this proposal :) However, can Council guarantee that any breakdown of the pumping system could be repaired in two days as this is my understanding of the reserve supply in the water tank at Murrurundi? If repairs cannot be undertaken within this time frame, what is the contingency plan for supplying Murrurundi with water in the interim? Does Council have something in mind for repurposing the area? I don't know if the area could be repurposed as the site of the waste transfer station or whether this would adversely impact nearby residents, whose properties overlook the current dam site.. It's one thing to look out over the town dam but quite something else to have your view altered to the waste transfer station. I do not know the size of the town dam site & do not know whether the waste transfer station could be located out of view of the relative properties?? Some suggestions have been made that the dam be left to provide water for wildlife in the area but as you have pointed out, the maintenance costs would outweigh any benefit in this area. Also wildlife can access the Pages River, Boyd's Creek and other property dams so I don't see this as a priority.

If the dam is decommissioned it should be developed into a wetlands area to promote bird and wildlife and it could be a place where people can go to appreciate a natural resource. If the money that has been budgeted for the maintenance of the dam isn't need the money should stay as part of the redevelopment of the Murrurundi and surrounds.

There should be an environmental impact study considering the dam has been there for 40 years plus. There should be consideration as to the benefits in keeping the dam and should be discussed at a community meeting.

I wholeheartedly disagree with decommissioning the Murrurundi town water supply dam. It is a reliable backup for Murrurundi should a problem arise with water supply or water quality from Scone. Is council planning to decommission the dam to make it easier for Santos to put their unwanted pipeline through?

This is a great source of water and should be left there as a supply if something goes wrong

Could the Murrurundi Dam be used for commercial purposes such as breeding/ raising fingerlings or other water creatures -especially some that are helpful in our waterways????

What an absolute tragic event if the dam was removed, getting rid of a source of water.... You have got to be kidding

Need to have the dam for bird life and an extra water supply

There needs to be a separate water supply besides a pipeline

We have endured the worst drought in living memory...water is a precious commodity...in fact it is essential for life. I am not convinced, by the information provided on the website, (which includes several errors) that decommissioning is the best option. I would like to see a breakdown of the estimate of costs. I suspect that rising electricity costs, will mean pumping from Glenbawn may become costly in the future, vs a water supply close to town. I find it hard to believe the cost can be so high. In addition, the current dam provides a valuable back up in the event of a breakdown of the Glenbawn Dam supply. This proposal is about short term gain and may well result in long term pain in the event of a breakdown between Glenbawn and Murrurundi.

I think the dismantling of the dam is a silly idea what happens if something goes wrong with the pipeline between scone and murrurundi then the residents of this town will be out of water.

Not needed because of cost. The water during the drought is not fit to drink.

Needs to be left there for numerous reasons and redundancy

Murrurundi is a beautiful town with great views and it would be a shame to see Council wreck the town by removing a water source from its security of having more than one water source. I may have to take my business elsewhere if this is what Council wants to do....

**MURRURUNDI DAM CONSULTATION FORM - FEEDBACK****FEEDBACK**

This idea of removing a dam is an absolute joke.. what are you thinking... Removing a source of water from a town, is this Council going backwards..... PLEASE BE REALISTIC AND LIVE IN THE REAL WORLD!!!!

I am concerned about the proposal to decommission the Murrurundi town water supply dam. Is council planning to decommission the dam to make it easier for Santos to put their unwanted pipeline through? I would like the opportunity to discuss this openly at a community meeting.

Considering we have not long been in a horrendous drought I find the decision to decommission the dam as mindless stupidity!! This dam could be used for numerous uses ...main one being a backup source but also a water supply for firefighting purposes for fires (helicopter pick ups), water for stock in times of drought, water for wildlife. Water is a precious commodity these days and when we need it...we won't bloody have it so why get rid of it!! Just a brainless decision made by mindless people who have obviously never lived on the land and went through hard times!

Pulic meeting wanted in Murrurundi before you make a decision.

Public meeting necessary in Murrurundi.

Do not decommission the dam. We need to maintain as much water storage as possible in the Shire. COMMUNITY CONSULTATION NEEDED.

I strongly oppose the removal of Murrurundi Reservoir. We moved here 12 years ago; our home is on a small acreage surrounded by bushland. Every fire season I closely watch the RFS website to monitor where the fires are and also monitor future weather predictions. I have always felt a great sense of relief knowing that the reservoir is there, as there would be a high probability that if a bush fire were to pass through, the reservoir would lessen or prevent the death and destruction that could occur. I know it has been used in the past to control fire and using treated sewer doesn't seem like a good option to me. I wouldn't like it dumped on my home or land. I wonder what any visiting fire fighters and their families would think of the idea of removing it if they were to be called upon to help out in an emergency? It has been proven that heat and bush fires will become fiercer in years to come. Saving lives and property is more important than council saving money, which doesn't ever seem to be used on Murrurundi anyway. Water pipelines can fail, it has happened elsewhere. What would the environmental impact be if an out-of-control fire were to pass through? Drowning? It would be easier to break into the local pool and drown. What about the risk of drowning in the Pages River or entering someone's property and drowning in their dam?

I cannot fathom the closing of a secondary water source for the town - surely a care of maintenance program offers an alternative? And reduce the costs stated. In the event of another drought and the higher fire risk, which we can all admit is likely, what other dams of this size are available for firefighting. The draining of the dam seems extremely short sighted. This is a concern that cannot be overlooked, I believe. In so far as turning the area into a recreational area - I fear it will become another 'hoon area' of a night - just like the golf course and Paradise Park. The only difference being is that this area is located much closer to homes with an extremely dangerous hill/ corner for those unfamiliar to negotiate prior to even arriving there. Whichever way is decided, please don't leave us without a firefighting resource - this dam can be filled if needed and I'm pretty sure there aren't to many more about the ranges that can be. Plus easily reached by all services. I know ours can't, on both counts. Thanks

If Council is determined to decommission the dam, then creation of a nature reserve on the site would seem a good option. Council should immediately enter serious negotiations with NSW Parks and Wildlife service on this matter, with a view to Parks and Wildlife managing the site. Nurturing rare and area specific plants and trees on the site would be beneficial &, if necessary, public access could be limited to particular days/times during the year. This would presumably then, not exclude recommissioning the site if Glenbawn Dam levels significantly drop during future extended periods of drought.

**MURRURUNDI DAM CONSULTATION FORM - FEEDBACK****FEEDBACK**

I am very concerned with the proposal to decommission Murrurundi Dam. The dam was built to supply water to the township, as before it relied solely on the Pages River / Singles Creek, the dam is 150ML or designed to give 1-year supply of water to the town on full usage & no water going into it. Consideration needs to be given to the at least three fish species & turtles & eels that are in the dam, let alone the bird life. The town would be better off having two water supply options rather than reliant on one. There has been talk about the cost it takes to operate the dam. What about the cost of running three pump stations to pump water from Scone? Water quality from Glenbawn Dam, we have already had at least 2 boiled water alerts in recent years, there needs to be a water treatment plant built in Scone before any consideration is taken further. Then I was told if there is a boiled water alert switch to Aberdeen pump station, Aberdeen cannot supply enough water to Scone let alone putting Murrurundi on top of this. Civil Disobedience on Glenbawn Dam, no consideration has been given for this or has been reconigised, if the wall breaks on Glenbawn Dam there will be no water coming from there & as for Aberdeen, it would most probably be wiped off the map, or would not be able to pump water for more than 5 days. Has any consideration been given to acts of civil disobedience to the pipeline from Scone? I already know of 2 occasions where Wingen pump Station has been threatened. The Manager of Water Sewer does not seem worried about the changes to the IWCW or Drinking Water Quality Management Plan, as both of these will need major changes. The only reason Murrurundi Dam is not operated more is because of the Chlorine System. I have asked the last five managers to install Gas chlorine flow paced on the dam system to no avail, there is even a capital job number set up for the install, but no action. The current liquid system is hard to operate, as it is set pump rate injection, pump number 1 pumps to the reservoir at 27 l/s, and pump number two pumps to the reservoir at 19 l/s. Also with the PH level of 8 in the Dam adding liquid chlorine with a PH of 13 only pushes up the PH in the water & does not give a good disinfection or stay in the retic to the to the outer reaches like the gas system does. Murrurundi Reservoir currently sits at 50% full, the Manager of water Sewer said Submission ID: 70fb3639-7ef7-471b-b8e8-2d69a9cbc3b9 Page 2/2 fill it so there is more capacity in the system, however he does not realize the difference in pressure this will cause in the retic network with 25km of pipework there is about 22.5km of asbestos pipe in the system. If I were to fill the reservoir to the safe fill level, this would add another 3.5 metres of head pressure on the retic. In February 2023 I raised the reservoir level 2%, this resulted in 3 broken water mains within a week, 2 of those leaks lost 300kl each from the system, so if I were to raise the reservoir another 50% how many leaks will this create? All in all the water from Glenbawn dam is pumped five times to get to Murrurundi. Murrurundi Dam can be gravity filled from Pages River or pumped in, treated and pumped to the reservoir so only pumped 2 times compared to five. Do the maths... Consideration needs to be given to the power poles running around the crest of the dam wall if the dam is taken out what happens to the power going to the other side of the dam. Drains would need to be reshaped for the upper catchment to drain away from the site. Has any consideration been given to the EPA requirements re the contaminates of the site? There has been Liquid Alum, PAC, Cupricide, Coptrol, Chlorine, Polymer put into the dam to treat algae over the years that I know of. Water back feed to Blandford this would not be capable if there is no dam in Murrurundi. Firefighting, helicopters have taken water from the dam site to fight bush fires. Pulling water from the sewer treatment ponds that have a capacity of 500kl compared to a dam with 150ML. plus the fact of dropping effluent onto houses & catchment where people are still on rainwater tanks this would have catastrophic actions. I know of quite a few residents who are not happy with this comment. No consideration to property owners who have access to the gravity line from Pages River just leaving them high & dry. Also listed in a letter to the residents of the upper system it states the dam was built in 1978, however it was not built until 1983. To me the dam should be left alone, not decommissioned, or the last resort downsized fractionally to reduce it from a high-risk category dam.

Nil

I request a public meeting of the Murrurundi Dam

Would like to see the land returned to community use such as a nature reserve & council invest at least 1 year savings into its rehabilitation.

I believe the dam could be a recreational asset for the town and needs discussion

Council Response to Feedback

Council have taken note of the number of responses opposing the decommissioning of Murrurundi Dam. Council understands the concerns regarding potential water supply shortages in case of Glenbawn Dam or pipeline unavailability. As part of our decision-making process, we will conduct a thorough evaluation of the current and future water supply needs in collaboration with relevant stakeholders. Our aim is to ensure a reliable and sustainable water supply for the community. The suggestions put forward by the community, such as tree planting, tourism opportunities, environmental, and waste management possibilities will be carefully evaluated for their feasibility, economic viability, and compatibility with the overall objectives of the community. Further, council will assess the feasibility of the dam for firefighting purpose and will explore the feasibility of converting the dam into a recreational area and associated costs, infrastructure requirements, as well as other environmental considerations.

## Infrastructure Services

ISC.07.2

### **WORKS PROGRAM - INFRASTRUCTURE SERVICES - WORKS DELIVERY**

**RESPONSIBLE OFFICER:** Rag Upadhyaya - Director 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 June 2023.

KPI's								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	YTD Actual	Comments
<b>Infrastructure Support</b>	Number of customer complaints received regarding Council's infrastructure. (consolidated)	#	8.83	105.96	< 106	19	178	Off target due to several factors such as weather events, staff resources, contractor availability
<b>Private Works</b>	Level of surplus achieved in terms of revenue of total project expenditure	%	20	20	> 20	20	20	YTD target met
<b>Stormwater</b>	Completion of maintenance program, subject to funding (Stormwater)	%	7.5	82.5	>90	11	92	YTD target met
	Completion of planned inspections of the stormwater network using CCTV	%	7.5	60	>90	90	90	Program completed in May 2023

**Infrastructure Services**

KPI's								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	YTD Actual	Comments
<b>Street Cleaning</b>	Length of Urban and CBD roads swept annually	km	38.6	385.80	>464	0	348	Full network sweep completed in May 2023
<b>Public Conveniences</b>	Number of customer request not responded to within 24 hours	#	3.3	36.3	< 40	0	0	YTD target met
<b>Swimming Pools</b>	Percentage of time pools are open during the Season	%	100	100	100	0	100	Season will recommence in October 2023
<b>Bridges - Local</b>	Inspect 87 bridges biennial	#	3.62	28.96	43.5		48	YTD target met
<b>TfNSW State Roads</b>	Average days after end of month contract claim lodged with TfNSW	#	<15	<15	<15	5	14.5	YTD target met
	Percentage of operational maintenance and works order projects on state road completed	%	7.5	97.5	>90	5	95	Currently on track. Delays due to plant breakdowns.
<b>Roads - Local</b>	Length of gravel unsealed pavement network inspected	km	80.8	970	>970	47.53	994	YTD target met
	Length of local road sealed network resealed	km	2.16	23.76	>26	0	26.7	YTD target met
	Length of sealed pavement network inspected	km	38.3	459.6	>460	30.33	475	YTD target met

## Infrastructure Services

KPI's								
Item	Description	Unit	Monthly Target	YTD Target	Annual Target	Monthly Actual	YTD Actual	Comments
	Length of unsealed grading completed	km	96	1056	>1,154	63.19	581.06	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	174	>174	26	366.28	YTD target met
	Length of Regional road network resealed	km	1.25	13.75	>15	0	13	Program complete for this financial year. Length completed as per program 13kms. The width was assumed 7m, however, in some areas it was up to 12m.
Regional Bridges	Percentage of Regional Bridges inspected (45 total bridges)	%	4.16	45.81	>50	0	51	YTD target met
Signs and Line Marking	Maintenance of identified traffic signs and line marking completed annually	%	7.5	60	>90	66	100	YTD target met

## Infrastructure Services

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### 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.

#### 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
- Ridgeland 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.

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 has given the approval to proceed with a letter sent to Council on 12 May 2023 advising that funding of \$1,873,663,33 has been approved.

#### 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.

Local Contractors are currently undertaking approved works.

## **Infrastructure Services**

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### **UHSC Damages Claim AGRN 1034 (Event 8)**

TFNSW has given the approval to proceed with a letter sent to Council on 26 June 2023 advising that funding of \$1,250,380.00 has been approved.

### **Fixing Local Roads Pothole Repair**

Council has successfully completed works under the NSW Government Fixing Local Roads Pothole Repair Grant to the sum of \$591,431.97. Works included routine and corrective maintenance of potholes in rigid and flexible pavements, sealed and unsealed roads. Staff concentrated on corrective maintenance across our sealed road network due to the number of hazardous sections requiring urgent attention particularly on MR62, Scone Road at Murdering Hut Gully.

### **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.

The updated Heavy Patching Program is attached and Council.

### **Causeways Betterment Program**

Council has been successful in securing funding from NSW Government under the Regional & Transport Recovery Package to the sum of \$1,872,00.00.

The project will provide concrete causeways to replace 35 existing gravel causeways across the Upper Hunter Shire.

### **Stormwater Betterment Program**

Council has been successful in securing funding from NSW Government under the Regional & Transport Recovery Package to the sum of \$698,490.00.

The project will provide upgraded stormwater drainage for 44 road crossings across the Upper Hunter Shire.

### **OPTIONS**

To note the report.

### **CONSULTATION**

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

## Infrastructure Services

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### 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.

#### 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.

## Infrastructure Services

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### **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 KPIs 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.

### **ATTACHMENTS**

- 1 [!\[\]\(13389097219c9b4249a687b31a4c4046\_img.jpg\)](#) Grading Program 2022-23
- 2 [!\[\]\(ee8c27b538a7406d491de93b9c87ab78\_img.jpg\)](#) Resheet Program 2022-23
- 3 [!\[\]\(dfa0b1780306eb03bb1b4e8f8b12849c\_img.jpg\)](#) 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
<b>Merriwa</b>																																
Old Scone	Rural 3	Mon 31/07/23	Mon 31/07/23	6/06/2023	6/06/2023																											
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	22/05/2023	25/05/2023																											
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	5/06/2023	9/06/2023																											
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

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
Wollara	Rural 2	Thu 15/12/22	Tue 20/12/22																													
Settlement Lane	Rural 4	Tue 20/12/22	Tue 20/12/22																													
Hulks	Rural 3	Tue 20/12/22	Mon 26/12/22	18/01/2023	19/01/2023																											
Wollar	Rural 2	Mon 26/12/22	Wed 4/01/23	12/01/2023	27/02/2023																											
Killoe	Rural 2	Thu 5/01/23	Tue 10/01/23	21/11/2022	23/11/2022																											
Killoe	Rural 4	Wed 11/01/23	Fri 13/01/23																													
Rothbury	Rural 4	Fri 13/01/23	Mon 16/01/23	5/06/2023																												
Pembroke to Hwy	Rural 2	Tue 17/01/23	Thu 26/01/23																													
High Park	Rural 4	Thu 26/01/23	Thu 26/01/23																													
Pembroke to End	Rural 3	Thu 26/01/23	Tue 7/02/23	6/03/2023	6/04/2023																											
Comiala	Rural 2	Tue 7/02/23	Mon 13/02/23	27/02/2023	8/03/2023																											
Kruilaya	Rural 4	Mon 13/02/23	Mon 13/02/23	28/02/2023	8/03/2023																											
Willy Wally	Rural 4	Tue 14/02/23	Tue 14/02/23																													
Willungra	Rural 4	Wed 15/02/23	Thu 16/02/23																													
Darkwood	Rural 3	Mon 20/02/23	Wed 22/02/23																													
Borambil Racecourse	Rural 3	Thu 23/02/23	Fri 24/02/23																													
Bulgin	Rural 4	Mon 27/02/23	Mon 27/02/23																													
Wyoming	Rural 4	Mon 27/02/23	Wed 1/03/23	27/04/2023	28/04/2023																											
Kuloo	Rural 4	Wed 1/03/23	Tue 7/03/23																													
Cattle Creek	Rural 3	Wed 8/03/23	Mon 20/03/23																													
Cooba Bulga	Rural 3	Mon 20/03/23	Thu 30/03/23																													
Rotherwood	Rural 2	Thu 30/03/23	Tue 11/04/23	7/06/2023	19/06/2023																											
Tangaratta	Rural 4	Tue 11/04/23	Tue 11/04/23																													
Yarrowonga	Rural 3	Tue 11/04/23	Wed 19/04/23	20/06/2023																												
Martins Lane	Rural 2	Wed 19/04/23	Thu 20/04/23	14.06.2023	16/06/2023																											
Coolah	Rural 3	Thu 20/04/23	Wed 26/04/23	22/05/2023	2/06/2023																											
Yallambie	Rural 4	Thu 27/04/23	Thu 27/04/23																													
Cooinda	Rural 4	Thu 27/04/23	Thu 27/04/23																													
Stotts	Rural 4	Mon 1/05/23	Mon 1/05/23																													
Neeleys	Rural 4	Tue 2/05/23	Thu 4/05/23																													
Summerhill	Rural 1	Thu 4/05/23	Thu 11/05/23																													
Rosebud	Rural 4	Mon 15/05/23	Mon 15/05/23																													
Gummun	Rural 2	Tue 16/05/23	Thu 18/05/23																													
Flags	Rural 2	Fri 19/05/23	Tue 30/05/23																													
Flags	Rural 2	Wed 31/05/23	Thu 1/06/23																													
Hampshire	Rural 2	Thu 1/06/23	Thu 8/06/23																													
Wollara	Rural 2	Mon 12/06/23	Wed 14/06/23																													
Wollar	Rural 2	Thu 15/06/23	Tue 27/06/23																													
Killoe	Rural 2	Tue 27/06/23	Fri 30/06/23																													
Pembroke to Hwy	Rural 2	Fri 30/06/23	Tue 11/07/23																													
Comiala	Rural 2	Wed 12/07/23	Mon 17/07/23																													
Rotherwood	Rural 2	Tue 18/07/23	Thu 27/07/23																													
Martins Lane	Rural 2	Fri 28/07/23	Fri 28/07/23																													
Murrurundi																																

## 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
Glenalvon	Rural 3	Tue 21/11/23	Tue 21/11/23	14/07/2022	19/07/2022																											
Pages River road	Rural 3	Tue 21/11/23	Mon 27/11/23	24/07/2022	25/07/2022																											
Warlands Creek	Rural 3	Tue 28/11/23	Tue 5/12/23	26/07/2022	27/07/2022																											
Haydons Woolshed	Rural 3	Wed 7/09/22	Wed 7/09/22																													
Parkins	Rural 4	Thu 8/09/22	Thu 8/09/22																													
Scotts Creek	Rural 3	Fri 9/09/22	Mon 26/09/22	12/09/2022	14/09/2022																											
Sandy Creek	Rural 3	Mon 26/09/22	Wed 28/09/22	11/07/2022	13/08/2022																											
Cooga	Rural 3	Thu 29/09/22	Mon 3/10/22																													
Tinseys	Rural 3	Tue 4/10/22	Tue 4/10/22																													
Green Creek	Rural 3	Tue 4/10/22	Tue 11/10/22																													
Timor PO	Rural 4	Tue 11/10/22	Wed 12/10/22																													
Edmonds	Rural 3	Wed 12/10/22	Thu 13/10/22																													
Timor Creek	Rural 3	Thu 13/10/22	Wed 19/10/22	13/10/2022	13/10/2022																											
Waverley Road	Rural 1	Wed 19/10/22	Mon 31/10/22	28/09/2022	28/09/2022																											
Rileys	Rural 3	Mon 31/10/22	Tue 1/11/22																													
Branch Creek (Ellerston)	Rural 3	Wed 2/11/22	Tue 8/11/22	1/05/2023	3/05/2023																											
Branch Creek	Rural 4	Wed 9/11/22	Tue 15/11/22																													
Mckenzie	Rural 3	Tue 15/11/22	Thu 17/11/22	29/09/2022	29/09/2022																											
Timor-Crawney	Rural 1	Thu 17/11/22	Wed 7/12/22	4/10/2022	11/10/2022																											
Mountain View	Rural 4	Thu 8/12/22	Thu 8/12/22	12/10/2022	12/10/2022																											
Sargeants Gap	Rural 3	Mon 12/12/22	Tue 20/12/22	17/10/2022	28/10/2022																											
Pages Creek	Rural 3	Tue 20/12/22	Mon 26/12/22	9/11/2022	16/11/2022																											
Fernleigh	Rural 4	Mon 26/12/22	Wed 28/12/22																													
Pages Creek	Rural 3	Wed 28/12/22	Wed 4/01/23	9/11/2022	16/11/2022																											
Glenvale	Rural 4	Thu 5/01/23	Thu 5/01/23																													
Pages Creek	Rural 3	Thu 5/01/23	Mon 9/01/23	9/11/2022	16/11/2022																											
Zanzibar	Rural 4	Mon 9/01/23	Mon 9/01/23																													
Pages Creek	Rural 3	Tue 10/01/23	Wed 11/01/23	9/11/2022	16/11/2022																											
Puddledock	Rural 4	Wed 11/01/23	Wed 11/01/23																													
Ellerston	Rural 3	Thu 12/01/23	Thu 12/01/23																													
Hunter Road Ellerston to Moonan	Rural 3	Thu 12/01/23	Tue 17/01/23	18/04/2023	27/04/2023																											
Omadale Brook	Rural 4	Tue 17/01/23	Wed 18/01/23																													
Hunter Road Ellerston to Moonan	Rural 2	Thu 19/01/23	Tue 31/01/23																													
Caslicks	Rural 4	Tue 31/01/23	Wed 1/02/23																													
Brumlo	Rural 4	Wed 1/02/23	Thu 2/02/23																													
Mossvale	Rural 3	Thu 2/02/23	Thu 9/02/23																													
Donalds Creek	Rural 4	Fri 10/02/23	Wed 15/02/23																													
Stewarts Brook	Rural 2	Thu 16/02/23	Thu 23/02/23																													
Coonawarra	Rural 4	Thu 23/02/23	Thu 23/02/23																													
Womelguy	Rural 4	Fri 24/02/23	Fri 24/02/23																													
Stewarts Brook	Rural 2	Fri 24/02/23	Tue 7/03/23																													
Carters	Rural 4	Wed 8/03/23	Tue 14/03/23																													
Stewarts Brook	Rural 3	Tue 14/03/23	Mon 20/03/23																													
Bridges	Rural 4	Tue 21/03/23	Wed 22/03/23																													
Bowmans Gully	Rural 4	Thu 23/03/23	Fri 24/03/23																													

## 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	24/03/2023																											
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	28/03/2023																											
Callemondah	Rural 4	Wed 7/06/23	Wed 21/06/23	6/03/2023	27/03/2023																											
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	15/05/2023	24/05/2023																											
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																													
<b>Scone</b>																																
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																											

## 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
Puan Buan Pit	Rural 4	Mon 17/10/22	Mon 17/10/22																													
Yarrandi	Rural 2	Tue 18/10/22	Thu 20/10/22	16/08/2022	19/08/2022																											
Thompsons Creek	Rural 3	Mon 24/10/22	Wed 26/10/22	27/09/2022	4/10/2022																											
Thompsons Creek	Rural 3			1/03/2023	8/03/2023																											
Upper Dartbrook	Rural 3	Thu 27/10/22	Wed 2/11/22	27/10/2022	31/10/2022																											
Sparkes Creek	Rural 3	Thu 3/11/22	Tue 8/11/22	4/10/2022	11/10/2022																											
Upper Dartbrook	Rural 3	Wed 9/11/22	Mon 14/11/22	31/10/2022	9/11/2022																											
Kiernans Creek	Rural 3	Mon 14/11/22	Thu 17/11/22	26/10/2022	27/10/2022																											
Upper Dartbrook	Rural 3	Fri 18/11/22	Mon 21/11/22																													
Brawboy	Rural 3	Tue 22/11/22	Wed 23/11/22	26/09/2022	28/09/2022																											
Millers Creek	Rural 4	Wed 23/11/22	Thu 24/11/22																													
Brawboy	Rural 3	Thu 24/11/22	Fri 2/12/22	29/09/2022	5/10/2022																											
Upper Dartbrook	Rural 3	Fri 2/12/22	Thu 8/12/22																													
Kars Springs	Rural 2	Thu 8/12/22	Wed 14/12/22																													
Mt Terrell	Rural 4	Wed 14/12/22	Thu 15/12/22																													
Kars Springs	Rural 2	Fri 16/12/22	Fri 16/12/22	17/10/2022	17/10/2022																											
Little Creek road	Rural 4	Fri 16/12/22	Tue 20/12/22																													
Jewisky	Rural 4	Tue 20/12/22	Tue 20/12/22																													
Kars Springs	Rural 2	Wed 21/12/22	Wed 21/12/22	18/10/2022	18/10/2022																											
Beales Creek	Rural 3	Thu 22/12/22	Tue 27/12/22	10/01/2023	10/01/2023																											
Kars Springs	Rural 2	Tue 27/12/22	Thu 5/01/23																													
Ridgelands	Rural 2	Mon 9/01/23	Mon 23/01/23	19/02/2023	8/03/2023																											
Ashwood	Rural 4	Mon 23/01/23	Mon 23/01/23	11/01/2023	11/01/2023																											
Gibbergunyah	Rural 4	Tue 24/01/23	Wed 25/01/23	19/01/2023	24/01/2023																											
Sophia Creek	Rural 3	Wed 25/01/23	Wed 25/01/23																													
Yarrandi	Rural 2	Thu 26/01/23	Mon 30/01/23																													
Moobi	Rural 2	Tue 31/01/23	Mon 6/02/23																													
Rossgole	Rural 3	Tue 7/02/23	Wed 15/02/23																													
Halls	Rural 2	Thu 16/02/23	Mon 20/02/23	12/09/2022	14/09/2022																											
Halls	Rural 3	Tue 21/02/23	Wed 22/02/23	14/09/2022	26/09/2022																											
Netherton	Rural 4	Thu 23/02/23	Thu 23/02/23																													
Blairmore Point	Rural 4	Thu 23/02/23	Thu 23/02/23																													
Thompsons Lane	Rural 4	Thu 23/02/23	Thu 23/02/23																													
Rouchel Gap Rd	Rural 3	Thu 23/02/23	Thu 23/02/23																													
Dangarfield	Rural 4	Fri 24/02/23	Fri 24/02/23																													
Dalvey	Rural 4	Mon 27/02/23	Mon 27/02/23	9/03/2023	10/03/2023																											
Spencer Lane	Rural 4	Mon 27/02/23	Mon 27/02/23																													
Armstrong	Rural 4	Mon 27/02/23	Mon 27/02/23	23/03/2023	29/03/2023																											
Stoney Creek	Rural 3	Tue 28/02/23	Wed 1/03/23	13/03/2023	21/03/2023																											
Albano	Rural 4	Thu 2/03/23	Mon 6/03/23	21/03/2023	22/03/2023																											
Stoney Creek	Rural 3	Mon 6/03/23	Tue 7/03/23																													
Glencoe	Rural 4	Wed 8/03/23	Thu 9/03/23	1/08/2022	2/08/2022																											
Bowmans Gully S	Rural 4	Thu 9/03/23	Fri 10/03/23																													
Back Creek	Rural 3	Mon 13/03/23	Mon 13/03/23	9/08/2022	10/08/2022																											
Kenelea	Rural 4	Mon 13/03/23	Tue 14/03/23	3/08/2022	4/08/2022																											

Dark Area is works completed  
Shaded Area is planned works

Upper Hunter Shire Council Grading Program 2022/23

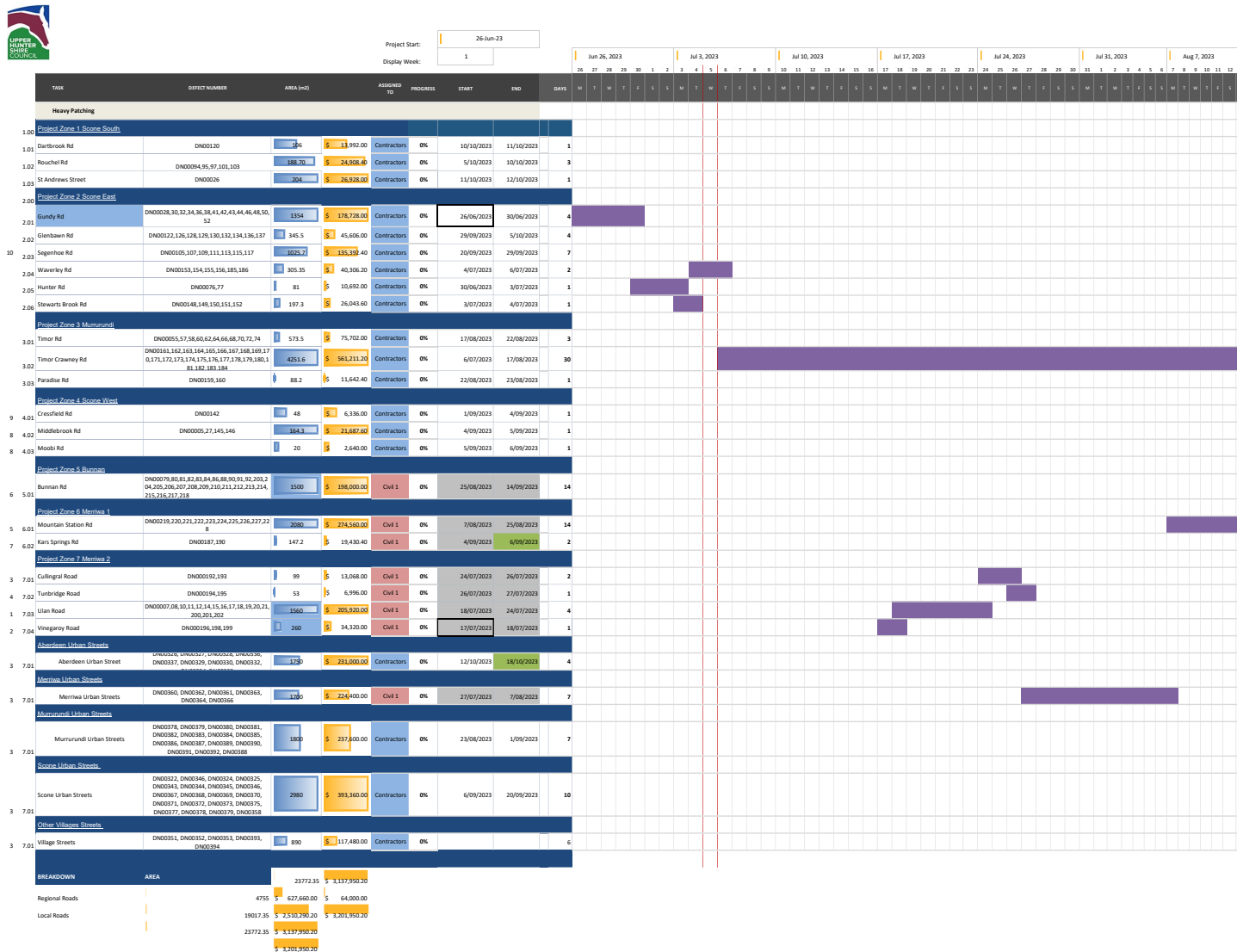
Task Name	Hierarchy	Start	Finish	Actual Start	Actual Finish	1/07/2022	15/07/2022	29/07/2022	12/08/2022	26/08/2022	9/09/2022	23/09/2022	7/10/2022	21/10/2022	4/11/2022	18/11/2022	2/12/2022	16/12/2022	30/12/2022	13/01/2023	27/01/2023	10/02/2023	24/02/2023	10/03/2023	24/03/2023	7/04/2023	21/04/2023	5/05/2023	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																											
Upper Rouchel	Rural 3			5/04/2023	19/04/2023																											
Upper Rouchel	Rural 3			19/05/2023	24/05/2023																											
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	29/05/2023	5/06/2023																			
Tunbridge	4.5	5.5		Fri 23/09/22	Wed 28/09/22	5/06/2023	9/06/2023																			
Mount Erin	2.8	4.3		Tue 6/12/22	Fri 9/12/22	7/02/2023	27/02/2023																			
Mount Erin	11.8	13.3		Fri 9/12/22	Wed 14/12/22	7/02/2023	27/02/2023																			
Roma	7.3	10.3		Tue 7/02/23	Mon 13/02/23	1/05/2023	24/05/2023																			
Murrurundi																										
Scotts Creek	0	3.0	3651.4	Fri 26/08/22	Thu 1/09/22	1/09/2022	8/09/2022																			
Timor-Crawney	14.6	17.6	5720.0	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	2191.0	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.07.3

### **STRATEGIC AND CAPITAL WORKS UPDATE**

**RESPONSIBLE OFFICER:** Rag Upadhyaya - Director 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 – June 2023			
	Original Budget	Revised Budget	YTD Budget	YTD Actual
Projects	\$51,900,585	\$24,395,251	24,395,251	20,034,125
% of YTD Actual works completed to Revised Full Year Budget				82.12%

### **OPTIONS**

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

### **CONSULTATION**

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

## Infrastructure Services

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### 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

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### **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 [!\[\]\(dbaef17a94d794b02b891486105c31ac\_img.jpg\) 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
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	\$ 183,581.00		Budget threatened by high market prices		Detailed design started in January - 50% draft design completed. Geotechnical study completed.	Complete detailed design process. Order stormwater structures. Begin earthworks.
Bridges - Albano Bridge	Replacement of timber bridge with concrete bridge	\$ 817,692.00	\$617,692 Fixing Country Bridges \$200,000 UHSC	Apr-24	Apr-24	\$ 98,131.00		Additional funding variation has been approved based on tendered price.		Detailed design is at 80%. Construction of side track is complete.	Complete detailed design of bridge. Production of pre-cast members.
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	\$ 131,097.00		Additional funding variation has been approved based on tendered price.		For Construction design is complete.	Mobilisation to site. Construction of side track bridge. Production of pre-cast members. Piling operations
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	\$ 377,318.00		Additional funding variation has been approved based on tendered price.		Deck completed. Backfill behind abutments completed.	Install kerbing and signage.
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	\$ 28,636.00		Additional funding variation has been approved based on tendered price.		Tender awarded	Detailed design of bridge. Production of pre-cast members.
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	\$ 35,822.00		Additional funding variation has been approved based on tendered price.		Tender awarded	Detailed design of bridge. Production of pre-cast members.
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	\$ 43,983.00		Additional funding variation has been approved based on tendered price.		Detailed design process has started.	Complete detailed design of bridge. Production of pre-cast members. Construction of side track.
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	\$ 504,584.00		Additional funding variation has been approved based on tendered price.		Deck complete. Guard rail installed on bridge deck.	Council to install water pipeline on bridge. Completion of the intersection roadworks and guardrail on approaches.
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	\$ 218,073.00		Additional funding variation has been approved based on tendered price.		Piling resumed using revised piling design and bored piles.	Completion of piling & pouring of abutments. Placement of planks. Pouring of deck.
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	Jun-23	\$ 382,741.00		Additional funding variation has been approved based on tendered price.		Deck completed. Backfill behind abutments completed.	Install kerbing and signage.
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	Aug-23	\$ 537,272.00		Additional funding variation has been approved based on tendered price.		Bridge works complete. Approaches complete but not sealed.	Sealing of approaches. Installation of guardrail.

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	Nov-23	\$ 63,768.00		Additional funding variation has been approved based on tendered price.		Side track in place.	Commence piling. Construct abutments.
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	Nov-23	\$ 64,032.00		Additional funding variation has been approved based on tendered price.		Side track in place.	Commence piling. Construct abutments.
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	\$ 63,063.00		Additional funding variation has been approved based on tendered price.		Side track in place.	Commence piling. Construct abutments.
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	\$ 60,128.00		Additional funding variation has been approved based on tendered price.		Earthworks commenced for approaches.	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-24	\$ 264,317.00		Fixing Local Roads Grant application successful - \$3 Million - Total project cost \$5.6 Million		Drafting of final detailed road design is being done. An extension of time will be issued to align milestone dates of both funding sources.	Issue of IFC drawings. 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	\$ 1,741,714.00		On track.		Above asset condition assessment was added as a variation	Finalising Issues Paper
Moobi Res High Pressure Zone / Water Supply Investigation	Investigate options for both increasing water pressure around Moobi Reservoir, and supplying rural properties west of Dartbrook.	\$ 23,000.00	UHSC	Dec-21	Dec-23	\$ 104,406.00		On hold, no further funds to be spent in 21/22 FY		Waiting on additional Project Management services	Project on hold
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	\$ 1,559,097.00		Work being undertaken by Council. Variation submitted to decrease length of works to 3.5km.		First and third cuttings are complete. Second cutting 90% complete. Road widening earthworks have been completed. Fencing has been relocated. Drainage culverts are being installed.	Completion of cuttings & drainage structures. Installation of concrete dish drains. Laying of pavement.
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	\$ 104,241.00		Causeway upgrade is within budget.		Final plans for causeway upgrade have been completed. Anticipate that project to be delivered on time providing extension of time is granted.	Waiting for approval for EOT for causeway upgrade. Obtain approval of design by Fisheries. Obtain quotes for concrete works. 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
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 Ridgelands Road Avocado Road Yarrowonga Road Middlebrook Road	\$ 698,490.00	NSW Betterment Program	May-25	May-25	\$ -		On Track		On Track	Pipes & headwalls ordered
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

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
Scone Water Treatment Upgrades	Install UV treatment system, pre-chlorination and fluoride dosing systems for the Scone water supply system.	\$ 1,850,000.00	UHSC	Aug-22	Mar-24	\$ 125,975.00		Within budget		Review scope documents to go to tender	Tendering UV Module
Swimming Pools - Merriwa Pool Amenities Upgrade	Upgrade to amenities	\$ 218,904.00	SCCR4 \$218,904 UHSC \$40,000	Nov-22	Jun-23	\$ 13,720.72		On track		Works have commenced	Purchase of materials
Swimming Pools - Scone Pool Amenities Upgrade	Upgrade to amenities	\$ 187,200.00	SCCF4 \$152,539 UHSC \$76,661	Nov-22	Jun-23	\$ 62,652.80		On track		Works have commenced	Plumbing installation Fit out of facilities

FUNDING SOURCE SUMMARY	
DCP	Drought Communities Programme
SCCF	Stronger Country Communities
R4R	Resources for Regions
LRCIF	Local Roads & Community Infrastructure
CRIF	Crown Reserved Improvement Fund
BLERF	Bushfire Local Economic Recovery Fund
SSWP	Safe & Secure Water Programme
RNSW	Restart NSW
CRSUP	Driver Reviver Sites Upgrade Program
CPTIGS	Country Passenger Transport Infrastructure Grants Scheme

LEGEND	
	Good
	Watch for Potential Issues
	Requires Attention

## Infrastructure Services

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**ISC.07.4**

### ***MR358 WILLOW TREE ROAD UPGRADE***

**RESPONSIBLE OFFICER:** Rag Upadhyaya - Director Infrastructure Services

**AUTHOR:** Jeff Bush - Manager Strategic Assets

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#### **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 due to continued illegal access.

Trenches have also dug to make impassable physical barriers.

##### **Project Control Group**

The PCG met on 22 May 2023 to discuss the evaluation of the construction tender, funding commitments and project management.

##### **Remediation Earthworks (Early Earthworks)**

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

## **Infrastructure Services**

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### **GHD – Detailed Design of Construction Rehabilitation**

GHD have completed all IFC drawings and documents.

### **Construction Rehabilitation Tender**

The tender has been evaluated both on non-price and price criteria. A report was tabled at the PCG for endorsement and then to Council for adoption and award at the May 2023 Council meeting, subject to funding deed.

### **State and Federal Funding**

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

Council has received a letter confirming the State Government funding commitment for the project. The Federal Government has given approval in principle, however Council has been advised the project has been included in the 90 day Infrastructure Investment Program (IIP) Strategic Review. This review is due to be completed in August with outcomes anticipated for October 2023. This has put a hold on progressing the project.

### **Key activities for May 2023:**

- Evaluation of the proposals for Project Management Services
- Notification of the projects inclusion in the IIP 90 day review

### **Emerging issues:**

- State Governments funding deeds to be received for execution
- Federal Government 90 day Infrastructure Investment Program (IIP) Strategic Review
- Availability of project management team(s)
- Access to and from the site along Coulsons Creek Road from flood damage

### **OPTIONS**

- 1) To note the report.
- 2) To reject 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

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### 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
- 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

Federal funding not yet confirmed for construction at this stage.

#### c. Legislative Implications

Not applicable.

## Infrastructure Services

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### 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. This was reported to the Environmental Protection Agency, on reviewing of the Issued For Construction Design and Review of Environmental Factors, and they have accepted the proposed control methods.

### f. Other Implications

Nil

## CONCLUSION

The road is currently 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.

Tender awarded subject to confirmation of funding.

## ATTACHMENTS

Nil.

## Infrastructure Services

### ISC.07.5 **LOCAL ROADS INITIAL SEAL - PROJECT UPDATE**

**RESPONSIBLE OFFICER:** Rag Upadhyaya - Director Infrastructure 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

Expected opening to Traffic – September 2023

###### *This Period's Progress Summary*

- Completion of cuttings
- Completion of grubbing and stripping for road widening by Vision Excavations
- Completion of relocation of fencing by Maximum Effort Contracting.

###### *Next Period's Planned Activity*

- Continuation of installation of drainage structures
- Installation of concrete dish drains through cuttings
- Sourcing of pavement gravel from a nearby quarry. This will require blasting and crushing.
- Earthworks, shape and final trim.

## **Infrastructure Services**

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### **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 – September 2023

Expected opening to Traffic – May 2024

#### *This Period's Progress Summary*

- Continued 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 – August 2023

Expected opening to Traffic – December 2024

#### *This Period's Progress Summary*

- Final drafting of detailed design complete.
- Ordered stormwater pipes and culverts.

#### *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
- Complete drafting of issue for construction drawing

## Infrastructure Services

### OPTIONS

1. To note the report
2. To reject the report

### CONSULTATION

- Director Infrastructure Services
- Manager Strategic Assets & Projects
- 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

#### 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	Nil	Nil
LRCIF	Nil	Nil	\$1,460,868
HVSP	Nil	\$2,000,000	Nil
UHSC	\$200,000	\$604,899	\$1,184,585
<b>Total Funding</b>	<b>\$5,600,000</b>	<b>\$5,604,899</b>	<b>\$9,869,687</b>

#### Expenditure

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

Road Project	Job-to-date	Budget	% of Budget Spent
Moonan Brook Rd	\$2,154,219	\$5,600,000	38%
BT Forest Rd	\$203,884	\$9,869,687	2%
Hunter Rd	\$274,802	\$5,604,899	5%

## Infrastructure Services

### 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
Widening of cuttings being hard	Medium	Employ contractor with suitable equipment	Ongoing
Slope failure	Medium	Monitor actual against design Seek geotechnical advice	Ongoing
Environmental damage	Low	Ensure sediment controls are in place	Ongoing
Sourcing pavement material	Medium	Seek supply from alternate sources Consider crushing material	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

Nil.

## Infrastructure Services

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ISC.07.6

### ***SCONE CBD REVITALISATION PROJECT***

**RESPONSIBLE OFFICER:** Rag Upadhyaya - Director Infrastructure Services

**AUTHOR:** Alan Greer - Project Manager

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#### **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.

#### **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**

##### St Aubins Town Square

- Construction of kerb for cul-de-sac
- Construction of laybacks and driveways

##### Kelly Street (West – Liverpool Street to St Aubins Street)

- Installation of drainage on corner of Kelly and Liverpool Streets
- Installation and commissioning of water main
- Installation of subsoil drainage
- Reinstatement of “sub-base” pavement
- Placement of “no fines” kerb track

##### Kelly Street (West – Kingdon Street to Liverpool Street)

- Implementation of Main St detour and establishment of work zone on Block 1
- Commencement of saw-cutting to facilitate drainage and kerb placement
- Commencement of longitudinal drainage

## **Infrastructure Services**

### **Next period's planned activity summary**

Kelly Street (West – Liverpool Street to St Aubins Street)

- Installation of subsoils
- Placement of kerb and gutter
- Construction of landscape wall footings
- Commencement of works adjacent to the building line including associated change in pedestrian management.
- Community drop in session planned for 19 July 2023.

Kelly Street (West – Kingdon Street to Liverpool Street)

- Continuation of storm water drainage
- Commencement of water main installation
- Decision on street lighting type and location to be consulted with Scone Community Advisory Committee

St Aubins Town Square

- Construction of kerb, pavement and AC in cul-de-sac
- Excavation to subgrade and placement of pavement materials

Centre Medians and Traffic Control Signal (TCS) Variation

- Continuation of variation discussion with Contractor regarding the inclusion of center medians and TCS works in the current contract.

Kelly Street Stage 2 (St Aubins Street to Susan Street)

- Continue preparation of tender documentation for block 3, St Aubins to Susan Street and Liverpool St drainage upgrade. This work will form part of a separate contract to the current works.

### **Contract Completion Dates**

<b>Area</b>	<b>Current Contract Completion Date</b>
St Aubins Town Square	02/08/2023
B2 Liverpool to St Aubins - West	02/11/2023
B1 Kingdon to Liverpool – West	01/02/2024
B2 Liverpool to St Aubins - East	21/03/2024
B2 Liverpool to St Aubins – Road and Median	21/03/2024
B1 Kingdon to Liverpool - East	07/06/2024
B1 Kingdon to Liverpool - Road and Median	07/06/2024
Liverpool intersection works	07/06/2024

## Infrastructure Services

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### **OPTIONS**

1. Nil.

### **CONSULTATION**

- Director Infrastructure Services
- Manager Assets and Strategic Projects
- Manager Finance
- Manager Water and Sewer
- Kelly Street property owners and businesses
- Transport for NSW
- Scone Chamber of Commerce
- Scone CBD Revitalisation Project Control Group

### **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.

##### **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**

#### **c. Other Plans**

- Scone Town Revitalisation Masterplan (2016).

### **IMPLICATIONS**

#### **a. Policy and Procedural Implications**

Nil.

## Infrastructure Services

### 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
<b>Total Funding</b>	<b>\$15,816,273</b>

#### Spend to Date

Approved Total Project Budget	\$15,816,273
Amount spent to date	\$3,534,673
% of Budget	22%

### c. Legislative Implications

Nil.

### d. Risk Implications

A risk register is being maintained for Scone CBD Revitalisation. 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	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

Nil.