Infrastructure Services Committee Agenda

9 July 2019
To All Councillors

You are hereby notified that the next meeting of the Infrastructure Services Committee will be held on 9 July 2019 in the Barry Rose Room at 12.00pm, 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 Lorna Driscoll, Cr Ron Campbell, Cr James Burns and Cr Maurice Collison

STEVE MCDONALD
GENERAL MANAGER

1. APOLOGIES
2. DISCLOSE OF INTEREST
3. PUBLIC PARTICIPATION
4. BUSINESS ITEMS
5. AGENDA ITEMS

INFRASTRUCTURE SERVICES REPORTS

ISC.07.1 WORKS PROGRAM - INFRASTRUCTURE SERVICES - WATER AND SEWER
ISC.07.2 WORKS PROGRAM - INFRASTRUCTURE SERVICES
ISC.07.3 SPECIAL PROJECTS UPDATE
ISC.07.4 CAPITAL WORKS UPDATE
ISC.07.5 MURRURUNDI WATER UPDATE
ISC.07.6 SCONE TO MURRURUNDI PIPELINE MONTHLY REPORT
ISC.07.7 SCONE TO MURRURUNDI PIPELINE - VILLAGE RETICULATION DESIGN AND DEFINITION STRATEGY
ISC.07.8 ROADS CONGRESS 2019
ISC.07.9 ANSWERS TO COUNCILLOR QUESTIONS

6. COUNCILLOR QUESTIONS
INFRASTRUCTURE SERVICES REPORTS

ISC.07.1 WORKS PROGRAM - INFRASTRUCTURE SERVICES - WATER AND SEWER

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services
AUTHOR: Phillip Hood - Manager Water & Sewer

PURPOSE

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

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

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

REPORT/PROPOSAL

Progress of major projects is listed in Attachment 1 (note new format for this month). All works relating to Murrurundi water supply are covered in a separate report.

Project highlights from this month include (but are not limited to):

- Upper Hunter Water Supply and Water Treatment Scoping Study
  - Work underway by HH2O, draft report received 20 May 2019.
  - HH2O analyzing ‘raw water’ pipeline scenarios.
  - Workshop held with HH2O on 23 May 2019.
  - Initial report suggests filtration treatment plant will be required for Scone, and that Gundy may best be served with its own supply from Glenbawn Dam.
  - Project is not yet complete, aiming to have final concept completed by the end of July.

- Merriwa Sewage Treatment Plant (STP)
  - Draft Options Study received from HH2O for process/treatment improvements at Merriwa STP, initial assessment indicates at least $2.5M worth of plant improvements required to address all issues.
  - Some remediation works already undertaken at the STP to prevent surface runoff from neighbouring farmland entering the tertiary treatment ponds.
  - Quotations received to repair/replace the trickle filter mechanism, which is currently ‘short-circuiting’ this treatment step. Approximately $30K to $50K for repair and/or $100K for replacement. Liaising with EPA before proceeding.
Infrastructure Services

- Village Reticulation and Reservoirs
  - Refer separate Report this meeting for progress on Village Reticulation.
  - Murrurundi Reservoir Concept Design underway by GHD.

- Cassilis Sewerage Scheme
  - Cardno undertaking the Flood Study for the STP site, which will need to be completed as part of the environmental assessment process.
  - Cardno are also engaged to undertake a Ground Water Study, so that we can have confidence in the project achieving the outcomes it is designed to achieve – i.e. that town water supplies are secured by implementing town sewer.
  - Council staff are currently investigating project delivery options while the environmental studies are undertaken, which should take a few months to complete.

- Saleyards Sewer Underbore
  - Works completed to facilitate the connection of the Scone Saleyards to gravity sewer via Makybe Diva Street, meeting necessary trade waste requirements and replacing the previous sewer pump out along Muffett Street.
  - Project in multiple parts, with sewer main construction undertaken by both Knocks and National Civil Projects, and rail underbore undertaken by Boretec.
  - Sewer fund contributing approximately $160,000 towards the works.

**OPTIONS**

To note the report.

**CONSULTATION**

- Director Infrastructure Services
- Manager Water and Sewer
- Engineer Water and Sewer Distribution
- Engineer Water and Sewer Treatment

**STRATEGIC LINKS**

a. Community Strategic Plan 2027

This report links to the Community Strategic Plan 2027 as follows:

**BUILT & NATURAL ENVIRONMENT**

<table>
<thead>
<tr>
<th>Goal 4</th>
<th>Plan for a sustainable future</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS15</td>
<td>Plan, facilitate and provide for a changing population for current and future generations.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Goal 6</th>
<th>Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS24</td>
<td>Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.</td>
</tr>
<tr>
<td>CS26</td>
<td>Provide safe and reliable water and sewerage services to meet the demands of current and future generations.</td>
</tr>
</tbody>
</table>
We are working to achieve the following Community Priorities:

- Reliable and safe water supply.
- Protect the natural environment.

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2019 as described in the 2018/19 DPOP:

- **Water Supplies**
  To provide an adequate and secure potable water supply to recognised standards in defined areas on a cost effective basis.

- **Sewage Services**
  To maintain a sewage system for the transportation and treatment of sewage to licence requirements and encourage appropriate further expansion of services.

c. Other Plans

Various Asset Management Plans.

**IMPLICATIONS**

a. Policy and Procedural Implications

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

b. Financial Implications

Identified within individual items in the 2018/19 budget.

c. Legislative Implications

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

d. Risk Implications

Maintenance and Capital activities play a vital role to mitigate and minimise Council’s risk in these areas.
Infrastructure Services

e. Other Implications

Nil

CONCLUSION

The updated report is provided as Attachment 1 and details work undertaken over the previous month and works planned for the upcoming month.

ATTACHMENTS

1 Water and Sewer Works Progress - June/July 2019
<table>
<thead>
<tr>
<th>Ref</th>
<th>Budget</th>
<th>Project</th>
<th>Location</th>
<th>Summary Scope / deliverables</th>
<th>Target Completion</th>
<th>Cost to date</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$115,000</td>
<td>Reinstall Well 5 and 6</td>
<td>Scone Water</td>
<td>Reinstall disused town water wells for irrigation of recreation facilities.</td>
<td>Sep-19</td>
<td>$100,596</td>
<td>Require additional $40,000 to complete Well 5 works</td>
<td>SCADA works underway for Well 6. Awaiting quotation for Well 5 SCADA works. Telemetry upgrades will be soon completed for Well 6. Well 5 works ongoing.</td>
</tr>
<tr>
<td>2</td>
<td>$110,000</td>
<td>Upper Hunter Scoping Study</td>
<td>Scone Water</td>
<td>Assess options for connecting all villages in UHSC to town water, assess water quality risk profile of dam</td>
<td>Jul-19</td>
<td>$50,366</td>
<td>Likely come in under budget.</td>
<td>Works progressing by HH2O. Workshop was held with HH2O following draft report. Draft report received.</td>
</tr>
<tr>
<td>3</td>
<td>$4,444,000</td>
<td>Village Reticulation</td>
<td>Scone Water</td>
<td>Supply Parkville, Blandford and Wingen with reticulated water.</td>
<td>Dec-20</td>
<td>Nil</td>
<td>On track</td>
<td>Additional funding approved for design and construction of water supply for Parkville, Blandford and Wingen. Initiating Concept Design work for connection of Wingen, Parkville and Blandford.</td>
</tr>
<tr>
<td>4</td>
<td>$80,000</td>
<td>Scone Hi-Zone Reservoir</td>
<td>Scone Water</td>
<td>Install second high zone pump and VSD</td>
<td>Jul-19</td>
<td>$59,245</td>
<td>On track</td>
<td>Works completed. SCADA/telemetry to be updated by Schneider in July.</td>
</tr>
<tr>
<td>5</td>
<td>$25,000</td>
<td>Aberdeen Intake</td>
<td>Scone Water</td>
<td>Install orifice plate and pipework at wet well for back feed line from Scone.</td>
<td>Jul-19</td>
<td>$25,509</td>
<td>On track</td>
<td>Works completed, Rotork valve to be programed and commissioned in July.</td>
</tr>
<tr>
<td>6</td>
<td>$17,160,000</td>
<td>SCONE STP Augmentation Work</td>
<td>Scone Sewer</td>
<td>Upgrade of Scone STP to meet current EPA requirements and Recycled Water Guidelines.</td>
<td>Jun-23</td>
<td>$43,146</td>
<td>Applied for 50% Funding through Safe and Secure Program</td>
<td>Minimal progress last month – waiting for outcome of funding application.</td>
</tr>
<tr>
<td>7</td>
<td>$200,073</td>
<td>Saleyards Sewer Extension</td>
<td>Scone Sewer</td>
<td>Connect Saleyards to Scone sewer network.</td>
<td>Jul-19</td>
<td>$75,401</td>
<td>Require additional $42,962 to complete</td>
<td>Underbore designed and approved by ARTC. Contracted sewer mains construction to be completed by NCP. Rail underbore completed by others. Project over budget due to ARTC survey and compliance expenses.</td>
</tr>
<tr>
<td>8</td>
<td>$127,000</td>
<td>Waverley Street Sewer</td>
<td>Scone Sewer</td>
<td>Repair Collapsed Waverley Street Sewer Main.</td>
<td>Aug-19</td>
<td>$101,308</td>
<td>Under budget</td>
<td>Wilmot engaged to rel ine the sewer and all property laterals.</td>
</tr>
<tr>
<td>9</td>
<td>$47,000</td>
<td>Kelly Street sewer replacement</td>
<td>Scone Sewer</td>
<td>Replace Kelly Street sewer mains (west side).</td>
<td>Jul-19</td>
<td>$33,963</td>
<td>On track</td>
<td>Contracted sewer mains replacement to be completed by NCP, for properties along west side of Kelly Street.</td>
</tr>
<tr>
<td>Ref</td>
<td>Budget</td>
<td>Project</td>
<td>Location</td>
<td>Summary Scope / deliverables</td>
<td>Target Completion</td>
<td>Cost to date</td>
<td>Budget Status</td>
<td>General Status</td>
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<tr>
<td>10</td>
<td>$2,600,000</td>
<td>Cassils Sewage System</td>
<td>Cassils</td>
<td>New Sewerage Scheme for the village of Cassils.</td>
<td>Feb-21</td>
<td>$170,333</td>
<td>On track</td>
<td>Project program updated to reflect project delays – revised completion date is Feb 2021. Requires Environmental Impact Assessment to be undertaken due to flood risks, this process could take 6 months.</td>
</tr>
<tr>
<td>11</td>
<td>$116,439</td>
<td>Gooloo Street mains replacement</td>
<td>Merriwa</td>
<td>Replace existing water main along Gooloo Street, address dead ends in area.</td>
<td>Jun-19</td>
<td>$110,395</td>
<td>On track</td>
<td>Contracted water mains construction work completed in Merriwa by NCP.</td>
</tr>
<tr>
<td>12</td>
<td>$30,000</td>
<td>SCADA/Telemetry Upgrade</td>
<td>Merriwa</td>
<td>Upgrade of telemetry at all water and sewer sites in Merriwa and Cassils.</td>
<td>Jun-20</td>
<td>Nil</td>
<td>On track</td>
<td>Continuing work with Schneider Electric to scope out telemetry upgrade works, starting at Merriwa WTP.</td>
</tr>
<tr>
<td>13</td>
<td>$150,000</td>
<td>Aberdeen Reservoirs</td>
<td>Aberdeen</td>
<td>Replacement of highwater reservoir</td>
<td>Jun-20</td>
<td>Nil</td>
<td>On track</td>
<td>Brooks Brothers have supplied a Scope of Works that will be used to develop a tender for contract in 2019/20.</td>
</tr>
<tr>
<td>14</td>
<td>$120,000</td>
<td>Integrated Water Cycle Management Plan (IWCM)</td>
<td>UHSC</td>
<td>Completion of the IWCM for UHSC, as per NSW Gov Best Practice Guideline.</td>
<td>Jun-20</td>
<td>$10,098</td>
<td>On track</td>
<td>Met with Df Water, Muswellbrook Shire Council and Singleton Council to discuss IWCM and Safe and Secure. Df has indicated funding available to complete the IWCM process.</td>
</tr>
<tr>
<td>15</td>
<td>$792,000</td>
<td>Murrurundi Water</td>
<td>Murrurundi</td>
<td>Deliver water to Murrurundi via tanker.</td>
<td>Jun-20</td>
<td>$249,022</td>
<td>On track</td>
<td>Water carting ongoing.</td>
</tr>
<tr>
<td>16</td>
<td>$960,000</td>
<td>New Murrurundi Reservoirs</td>
<td>Murrurundi</td>
<td>Design and construct an additional 1.7ML treated water storage for Murrurundi.</td>
<td>Jun-20</td>
<td>$26,355</td>
<td>On track</td>
<td>GHD undertaking the Concept Design work for the new reservoir.</td>
</tr>
<tr>
<td>17</td>
<td>$98,028</td>
<td>St Aubin Street main replacement</td>
<td>Scone Water</td>
<td>Replace AC trunk main on St Aubin Street with DN300 PVC.</td>
<td>Aug-20</td>
<td>$88,623</td>
<td>On track</td>
<td>Contracted water mains construction to be completed by NCP.</td>
</tr>
<tr>
<td>18</td>
<td>$42,000</td>
<td>Aberdeen Centre Column Replacement</td>
<td>Aberdeen Water</td>
<td>Replace the centre column of Aberdeen Inground reservoir 2.</td>
<td>Sep-19</td>
<td>$3,000</td>
<td>On track</td>
<td>Installed two new valves to facilitate emptying of reservoir prior to replacement works.</td>
</tr>
<tr>
<td>19</td>
<td>$50,000</td>
<td>Merriwa Trickling Filter Upgrade</td>
<td>Merriwa Sewer</td>
<td>Undertake repair works on Merriwa STP Trickling Filter.</td>
<td>Aug-19</td>
<td>Nil</td>
<td>Quote received for $30,000</td>
<td>Hydroflux to undertake repair works 22 July. Works to take 2 weeks.</td>
</tr>
<tr>
<td>20</td>
<td>Nil</td>
<td>Murrurundi Dam Safety Inspection</td>
<td>Murrurundi Water</td>
<td>5 year inspection to maintain Dam Safety Committee Compliance</td>
<td>Aug-19</td>
<td>Nil</td>
<td>Require $50,000 to complete</td>
<td>Necessary safety requirement for Murrurundi Dam, to be undertaken in August.</td>
</tr>
</tbody>
</table>
PURPOSE

The purpose of the report is to provide an update on the Works Delivery Program undertaken over the previous month and that 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

Some of the major projects currently under construction or planned are:

- Regional Roads
  - MR358 Willow Tree Road upgrade (Stage 1 and 2)
  - MR105 Hunter Road - Kelly’s Gully to Waverley Road rehabilitation (Stage 2 and 3)
  - MR105 Hunter Road – Cooks Gap to Long Flat
- Saleyards
- Kingdon Street, Scone stormwater upgrade

MR358 Coulson Creek Road (Willow Tree Road) Initial Seal and Widening

This project is a joint project between Upper Hunter Shire Council (UHSC) and Liverpool Plains Shire Council (LPSC)

<table>
<thead>
<tr>
<th>Approved Grant</th>
<th>$12,161,750</th>
<th>UHSC 79% LPSC 21%</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$9,607,782</td>
<td></td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$5,291,432</td>
<td>(2018/19)</td>
</tr>
<tr>
<td></td>
<td>$3,006,339</td>
<td>(2017/18)</td>
</tr>
<tr>
<td></td>
<td>$201,741</td>
<td>(2016/17)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$441,541</td>
<td>30 June 2019</td>
</tr>
<tr>
<td>Available budget</td>
<td>$666,729</td>
<td>30 June 2019</td>
</tr>
</tbody>
</table>

The project reached another significant milestone in May with a 1km section of stage 2 sealed, leaving only 2km remaining to complete the project. With weather conditions moved into the less favorable period of the year, Council accelerated pavement works by mobilising a second grader. Subject to weather and production the final 2km of the project are scheduled to be sealed in mid-July which will leave only finishing works.
As at the date of this report the project is maintaining scheduled progress towards an August 2019 completion and is forecast to be delivered within budget, despite significant delay and expenditure relating to a large amount of additional earthworks and encountering adverse ground conditions (hard rock and unsuitable soil).

To highlight the impacts, Council’s budgeted contingency of $1.25 million ($416,850 - stage 1, and $831,600 – stage 2) was fully exhausted on earthworks (including time related costs). This presented significant challenges in terms of cost control for the other elements of the project.

Key activities undertaken last month:
- Stage 2 widening of Liverpool Range,
  - Progression of placement and shaping of pavement; and
  - Drainage and erosion protection works.

Key activities in next three months:
- Sealing the remaining 2 kilometer section of stage 2; and
- Practical completion.

Emerging issues:
- With the project approaching completion a high emphasis is being given to monitoring the program and budget to ensure the project is delivered on time, within budget and meeting quality expectations.

**MR105 Hunter Road - Kelly’s Gully to Waverley Road Rehabilitation (Stage 2 and 3)**

Council maintains a network of restricted vehicle access routes that provide a strategic connection that create links to places of significant regional and interstate importance. Much of this road network has pavement with inadequate strength to support the large volume of heavy vehicles using the network, including B-Doubles.

Council’s Strategic Assets team have developed an upgrade project for Hunter Road between Kelly’s Gully and Waverley Road (approximately 4 km). The project consists of drainage culvert upgrades and minor formation earthworks, followed by a pavement overlay and seal.

Council completed construction on Stage 1 (1 km) of this project in the 2018-19 financial year. Council have allocated approximately $985,000 in the 2019-20 financial year towards progressing the remaining 3 km.

The Works Delivery team are currently assessing the project scope, delivery methodology and staging options to inform detailed estimates. These cost estimates will be used to resolve the final project scope to be delivered in the 2019-20 financial year minimising the risk of a budget overrun, whilst still meeting stakeholder expectations of pavement quality.

Council anticipate commencement of works in late July. Available funding is as follows

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$984,346</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$0</td>
</tr>
<tr>
<td>Commitments</td>
<td>$0</td>
</tr>
<tr>
<td>Available budget</td>
<td>$984,346</td>
</tr>
</tbody>
</table>
Key activities undertaken last month:

- Nil

Key activities in next three months:

- Resolve final scope and staging; and
- Commence construction.

Emerging issues:

- Preliminary estimates indicate the remaining 3 km cannot be delivered within the available funding. As identified above the delivery team will assess and develop the scope that can be delivered within the available budget in consultation with the Strategic Assets team prior to commencement of any works.

**MR105 Hunter Road – Cooks Gap to Long Flat**

As with the Kelly’s Gully to Waverley Road Rehabilitation, Hunter Road forms part of Council’s network of restricted vehicle access routes that provide a strategic connection that create links to places of significant regional and interstate importance. Much of this road network has pavement with inadequate strength to support the large volume of heavy vehicles using the network, including B-Doubles.

Council’s strategic assets team have developed an upgrade project for Hunter Road between Cooks Gap and Long Flat (approximately 1km). The project consists of drainage culvert upgrades and minor formation earthworks, followed by a pavement overlay and seal (including reshaping of a pull-off area).

Council commenced construction of this project in May 2019. The project is now complete, with the works sealed 28 June 2019.

Council worked to find efficiencies and savings after initial estimates forecast an overrun of $30-50,000, this is discussed further in the emerging issues. Available funding is as follows:

<table>
<thead>
<tr>
<th>UHSC budget</th>
<th>Expenditure to date</th>
<th>Commitments</th>
<th>Available budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$300,000</td>
<td>$131,049</td>
<td>$156,223</td>
<td>$12,728</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30 June 2019</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 June 2019</td>
<td></td>
</tr>
</tbody>
</table>

Key activities undertaken last month:

- Project completion.

Key activities in next three months:

- Minor finishing works; and
- Project completion review including assessment of performance against key performance indications of time, cost and quality.

Emerging issues:

- Initial estimates forecast an overrun of $30-50,000. Council worked to find efficiencies and savings to bring the project back within the available budget. Based on the current expenditure the project will be delivered close to the available budget.
Kingdon Street Stormwater Upgrade (Fig Tree Gully to the Railway Line)

As part of Council’s ongoing urban stormwater improvement program, Council are constructing approximately 200m of new reinforced concrete stormwater drainage pipes.

The new network is located along Kingdon Street between the railway line and Fig Tree Gully. The new pipe network alignment is down the middle of the road pavement which will require a road closure and associated localised pavement rehabilitation following trenching of the pipes.

Construction commenced in June with the project scheduled for completion by Mid-July 2019. Expenditure is forecast to be within the budget allowance as identified below:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$165,000</td>
</tr>
<tr>
<td>ATRC Contribution</td>
<td>$100,000</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$83,640</td>
</tr>
<tr>
<td>Commitments</td>
<td>$63,147</td>
</tr>
<tr>
<td>30 June 2019</td>
<td></td>
</tr>
<tr>
<td>Available budget</td>
<td>$118,213</td>
</tr>
<tr>
<td>30 June 2019</td>
<td></td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Completion of drainage network.

Key activities in next three months:
- Completion of intersection upgrade; and
- Project completion review including assessment of performance against key performance indications of time, cost and quality.

Emerging issues:
- No significant issues identified to date.

OPTIONS
Nil

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

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

ECONOMY AND INFRASTRUCTURE
Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
CS25  Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.

CS27  Maintain and upgrade the road network and bridges.

We are working to achieve the following Community Priorities:

b. Delivery Program

The report addresses the following objectives up to June 2019 as described in the 2018/19 DPOP:

Parks, Gardens and Sporting Fields
By providing quality open spaces, parks sporting grounds and reserves that are suitable and accessible for the community.

Roads and Bridges – Local & Regional
By undertaking roads, stormwater, footpaths and bridge maintenance and construction works to Council's standards and specifications so as to improve road safety and minimise future expenses.

Parks & Gardens
- A parks and open space maintenance program across Council.
- Upgrade or replace parks and playground equipment.

Roads - Local & Regional
- A well maintained urban, rural sealed and unsealed road network.
- Increase effectiveness of preventative maintenance work as part of maintenance management works practices.
- Construction and quality specifications for road construction.

c. Other Plans

Asset Management Plans.
IMPLICATIONS

a. Policy and Procedural Implications

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

b. Financial Implications

Identified within individual items in the 2017/18 and 2018/19 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. Other Implications

Nil

CONCLUSION

The updated report is provided as Attachment 1 and details work undertaken over the previous month and works planned for the upcoming month.

ATTACHMENTS

1 Works Delivery Works in Progress for Scone, Murrurundi & Merriwa - June/July 2019
2 Works Delivery Grant Funded Works Update - July 2019.docx
Works Delivery Works in Progress for Scone, Murrurundi & Merriwa – June/July 2019

### Programmed Construction Works

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saleyards (ongoing)</td>
<td>Waste Pad &amp; Light Carpark</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Kingdon Street</td>
<td>Stormwater</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Willow Tree Rd Stage 2</td>
<td>Ongoing works: 36 – 38km: Drainage and Base works continuing, Seal scheduled for 36-38km in July, Guardrail installation to commence in July.</td>
<td>Merriwa Construction</td>
</tr>
</tbody>
</table>

### Programmed Grading Works

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Rouchel Road, Wrights Road, Ashbrooke Road, Gateleys Road, Petwyn Vale Road, Dry Creek Road, Middlebrook Road, Middlebrook Drive, Banool Lane, Mareeba Road,</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Glenalvon Road, Pages River Road, Warlands Creek Road, Haydons Woolshed Road, Perkins Road, Scotts Creek Road – Subject to water and road condition.</td>
<td>Maintenance Grading</td>
<td>Murrurundi Grader</td>
</tr>
<tr>
<td>Summerhill Rd, Yarrawonga Rd, Pembroke Rd – Subject to water availability &amp; road condition.</td>
<td>Maintenance Grading</td>
<td>Merriwa Grader</td>
</tr>
</tbody>
</table>

### Capital Works - Complete

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooks Gap (MRT105)</td>
<td>Pavement Rehabilitation</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Golden Highway near Redwell Road</td>
<td>Drainage extensions</td>
<td>Merriwa Concrete</td>
</tr>
</tbody>
</table>

### Maintenance Grading – Complete

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waverley Road, Timor Gundy Road, Upper Rouchel Road</td>
<td>Maintenance Grading</td>
<td>Scone/Murrurundi Grader</td>
</tr>
<tr>
<td>Cassilis Road, Darkwood Road, Borambil Racecourse Road, Hacketts Lane, Old Scone Road</td>
<td>Maintenance Grading</td>
<td>Merriwa Grader</td>
</tr>
<tr>
<td>Ref</td>
<td>Funding Amount</td>
<td>Funding Source</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>001</td>
<td>$526,000</td>
<td>SCCF 0084</td>
</tr>
<tr>
<td>002</td>
<td>$59,515</td>
<td>SCCF 0259</td>
</tr>
<tr>
<td>003</td>
<td>$154,841</td>
<td>SCCF 0597</td>
</tr>
<tr>
<td>004</td>
<td>$185,000</td>
<td>SCCF 0636</td>
</tr>
<tr>
<td>005</td>
<td>$124,229</td>
<td>SCCF 0647</td>
</tr>
</tbody>
</table>
## Works Delivery Grant Funded Works Update – June 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project</th>
<th>Summary Scope / deliverables</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>006</td>
<td>$291,329</td>
<td>SCCF 0945</td>
<td>Merriwa Skate Park Upgrade</td>
<td>Construct new skate bowl and new amenities block with utility connections.</td>
<td>On track</td>
<td>Within budget</td>
<td>Preconstruction activities including drafting and structural design underway. Amenities anticipated to commence construction January 2020.</td>
</tr>
<tr>
<td>007</td>
<td>$243,750</td>
<td>SCCF 1002</td>
<td>Scone Park Field Upgrade</td>
<td>New irrigation and pop-up sprinklers. Top dress, level and seed playing surface.</td>
<td>On track</td>
<td>Amber Flag</td>
<td>Irrigation design complete with quotations to be issue July 2019. Construction anticipated to commence September 2019 following the football season.</td>
</tr>
<tr>
<td>008</td>
<td>$261,000</td>
<td>SCCF 1051</td>
<td>Merriwa Oval Upgrade</td>
<td>Upgrade existing canteen, change rooms and amenities. Upgrade lighting lamps. Top dress, level and seed playing surface.</td>
<td>On track</td>
<td>Amber Flag</td>
<td>Preconstruction activities including drafting and structural design underway. Construction anticipated to commence October 2019 following the football season.</td>
</tr>
<tr>
<td>009</td>
<td>$137,600</td>
<td>SCCF 1067</td>
<td>Harrison Oval Upgrade</td>
<td>New irrigation and pop-up sprinklers. Top dress, level and seed playing surface.</td>
<td>On track</td>
<td>Amber Flag</td>
<td>Draft irrigation design complete. Seeking quotation for installation. Construction anticipated to commence October 2019 following the football season.</td>
</tr>
<tr>
<td>011</td>
<td>$164,370</td>
<td>SCCF 1102</td>
<td>Scone Gymnastics Centre</td>
<td>Refurbishment of existing building / facilities.</td>
<td>On track</td>
<td>Within budget</td>
<td>Consultant engaged to complete design/drafting. Construction anticipated to commence early 2020.</td>
</tr>
</tbody>
</table>
# Works Delivery Grant Funded Works Update – June 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project</th>
<th>Summary Scope / deliverables</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>013</td>
<td>$109,517</td>
<td>PRMFP</td>
<td>Merriwa Showground amenities block</td>
<td>New amenities block with utility connections and LED lighting.</td>
<td>On track</td>
<td>Within budget</td>
<td>To be delivered in sequence with Stronger Country Communities grant above ($185,000).</td>
</tr>
<tr>
<td>014</td>
<td>$40,000</td>
<td>DCP</td>
<td>Merriwa Youth Centre Maintenance</td>
<td>General maintenance to building and facilities.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>015</td>
<td>$59,000</td>
<td>DCP</td>
<td>Disabled toilet access Mururundi library</td>
<td>New accessible toilets to be constructed.</td>
<td>On track</td>
<td>Within budget</td>
<td>Practically Complete, finishing works underway. Final completion expected July 2019.</td>
</tr>
<tr>
<td>016</td>
<td>$140,000</td>
<td>DCP</td>
<td>White Park Scone – bar &amp; shed</td>
<td>Construct new bar facility to support White Park operations.</td>
<td>On track</td>
<td>Within budget</td>
<td>Construction underway, building slab and services installed with completion anticipated by the end of July.</td>
</tr>
<tr>
<td>017</td>
<td>$183,000</td>
<td>DCP</td>
<td>Bill Rose Sports Complex - irrigation</td>
<td>New irrigation and pop-up sprinklers.</td>
<td>-</td>
<td>-</td>
<td>Funding reallocated to White Park car and shed due to lead time on materials preventing completion within program requirements.</td>
</tr>
<tr>
<td>018</td>
<td>$84,000</td>
<td>DCP</td>
<td>Shade sale Merriwa/Scone</td>
<td>New shade sails to be installed at the lower end of the Scone and Merriwa pools.</td>
<td>On track</td>
<td>Within budget</td>
<td>Works commenced anticipate completion July 2019.</td>
</tr>
</tbody>
</table>
# Works Delivery Grant Funded Works Update – June 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project</th>
<th>Summary Scope / deliverables</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>019</td>
<td>$122,000</td>
<td>DCP</td>
<td>Merriwa Tennis Courts</td>
<td>Rehabilitation of tennis court surfaces.</td>
<td>On track</td>
<td>Within budget</td>
<td>Site works have commenced, anticipate completion in July 2019.</td>
</tr>
<tr>
<td>020</td>
<td>$60,000</td>
<td>DCP</td>
<td>Aberdeen Adventure Park</td>
<td>Climbing wall and obstacle course to be installed.</td>
<td>-</td>
<td>-</td>
<td>Funding reallocated to Valley View playground upgrades (Graeme street, Aberdeen) due to lead time on materials preventing completion within program requirements. This project will be funded out of next year’s capital budget with installation expected by the end of August.</td>
</tr>
<tr>
<td>021</td>
<td>$60,000</td>
<td>DCP</td>
<td>Scone pool painting</td>
<td>Painting of the deep end of the pool including repairs to fibreglass and concrete shell.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>022</td>
<td>$145,000</td>
<td>L&amp;G</td>
<td>Bill rose playground upgrade</td>
<td>Construct new playground, bike track, outdoor gym, shade sales and BBQ area.</td>
<td>On track</td>
<td>Within budget</td>
<td>Delivery due by Jan 2021. SCCF and Drought projects to be prioritised.</td>
</tr>
<tr>
<td>023</td>
<td>$175,000</td>
<td>L&amp;G</td>
<td>Bill Rose cricket nets</td>
<td>Remove existing cricket nets, construct 6 new cricket nets, fully fenced and roof over all.</td>
<td>On track</td>
<td>Within budget</td>
<td>Delivery due by Jan 2021. SCCF and Drought projects to be prioritised.</td>
</tr>
</tbody>
</table>
**ISC.07.3 SPECIAL PROJECTS UPDATE**

**RESPONSIBLE OFFICER:** Nicholas Havyatt - Director Infrastructure Services  
**AUTHOR:** Alan Fletcher - Special Projects Manager

---

**PURPOSE**

The purpose of this report is to provide an update on the projects being managed by the Special Projects Team.

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**RECOMMENDATION**

That Council

1. receive the report and note the information.
2. adopt the transfer from the RMS By-pass settlement funds held in the Bill Rose Sports Complex restricted asset a sum of $64,756 to the additional costs to complete the Scone Golf Course.
3. note that other funding sources will be investigated to help address the budget short fall.

---

**BACKGROUND**

The report provides information to assist the Committee to understand the current status of each of the projects, what work has recently been completed, and the work that is planned for the next three months.

---

**REPORT/PROPOSAL**

**Scone Golf Course Detailed Design and Reconstruction**

<table>
<thead>
<tr>
<th>Approved total budget</th>
<th>$ 4,021,094 (Revised)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure to date</td>
<td>$ 36,314 (2015/16)</td>
</tr>
<tr>
<td></td>
<td>$ 150,621 (2016/17)</td>
</tr>
<tr>
<td></td>
<td>$ 2,983,844 (2017/18)</td>
</tr>
<tr>
<td></td>
<td>$ 932,593 (2018/19)</td>
</tr>
</tbody>
</table>

| Commitments           | $ 110,000 30 June 2019 |
| Available funds       | ($ 192,277) 30 June 2019 |

The over expenditure of $192,277 comes from additional costs incurred to complete the project as tabled in the Scone Golf Course report at the June Infrastructure Service Committee meeting.

Key activities undertaken last month:

- Golf Course was opened on Saturday 25 May 2019. Feedback from the golfing community for the first month of play regarding the quality and design of the Golf Course has been very positive.
- Contractor is working through defects list and making repairs.
- Resolving DA condition 13 regarding recycled effluent use on course. Until condition 13 is signed off well water only is being used for irrigation.
Infrastructure Services

- Council’s interim Scone Golf Course maintenance team (made up of contractors and staff) have been maintaining the course to a good standard with positive user feedback.

Key activities in the next three months:
- Resolve outstanding work and costs with contractor.

Emerging issues:
- No new emerging issues

Scone Regional Selling Centre – Saleyards Redevelopment

<table>
<thead>
<tr>
<th>Approved total budget</th>
<th>$11,818,270</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure to date</td>
<td>$565,445</td>
</tr>
<tr>
<td>Commitments</td>
<td>$3,259,356</td>
</tr>
<tr>
<td>Available budget</td>
<td>$1,163,529</td>
</tr>
</tbody>
</table>

Expenditure to date: $6,829,940 (2018/19)

Key activities undertaken last month:
- Construction of Stages 4, 5 and 6 (second major shed area) commenced.
- Sewer works and rail under bore commenced.
- Light vehicle carpark works commenced.
- Determined scope of work to repair problems with B-Double loading ramp. Contractor engaged and will commence work mid-July.

Key activities in next three months:
- Sewer works
- Carpark works
- Electrical works
- Shed and yard works
- Ramp works
- B-Double ramp defect repairs and adjustments in July.

Emerging issues:
- Need to finalise the selling ring upgrade design. Access issues have been identified and design work underway.

Old Court Theatre – Design and Consents

<table>
<thead>
<tr>
<th>Approved total budget</th>
<th>$260,399</th>
<th>(Revised)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure to date</td>
<td>$7,108</td>
<td>(2017/18)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$196,464</td>
<td></td>
</tr>
<tr>
<td>Available budget</td>
<td>$35,420</td>
<td></td>
</tr>
</tbody>
</table>

Expenditure to date: $21,407 (2018/19)

Key activities undertaken last month:
- A builder has been engaged following Council's acceptance of quotation at April 2019 Council meeting.
Infrastructure Services

Key activities in next three months:
- Commence building work to the limit of budget.
- Initiate works to secure grant funds, currently at risk due to delays in commencement.

Emerging issues:
- Nil

Scone CBD Revitalisation – Detail Design

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved total budget</td>
<td>$ 269,793</td>
<td></td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$ 30,207</td>
<td>(2017/18)</td>
</tr>
<tr>
<td></td>
<td>$ 67,868</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$ 53,257</td>
<td>30 June 2019</td>
</tr>
<tr>
<td>Available budget</td>
<td>$ 118,461</td>
<td>30 June 2019</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Council representatives met with the Minister for Transport & Roads to discuss the Scone CBD Revitalisation project and funding.
- Council representatives met with RMS Regional Manager to discuss Scone CBD Revitalisation project, road classification, extent of proposed RMS funded work.
- Additional survey work has been completed for the stormwater design.
- Incorporating information recently received from RMS on the road and stormwater assets conditions and various road treatment options for the long term.
- The Civil Engineer designer has progressed work to the point where advice on road classification and extent of RMS works is required for the stormwater and road design is required to progress the design.
- Landscape design completed to 70%. Co-ordination of the landscape design and the civil design required. Landscape Architect requires advice on road classification and extent of RMS works to allow the stormwater and road design to progress which in turn will allow the landscape design to progress.

Key activities in next three months:
- Completion of detailed landscape design and associated civil design work.
- Complete additional design, studies and reports i.e. electrical design, traffic report, quantity surveyor and review of environmental effects.
- Consultation with major stakeholders.
- Progress community consultation on the treatment of Liverpool & Kelly Street intersection (traffic lights or roundabout) as a priority to guide the design.

Emerging issues:
- Need to firm up road classification and extent of RMS Kelly St CBD works to allow the design to progress.
- Council seeking funding to complete the remainder of the project.

Omadale Brook Bridge Replacement

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Budget</td>
<td>$ 1,917,260</td>
<td></td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$ 45,616</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$ 0</td>
<td>30 June 2019</td>
</tr>
<tr>
<td>Available budget</td>
<td>$ 1,871,644</td>
<td>30 June 2019</td>
</tr>
</tbody>
</table>
Key activities since last month:
- Review of environmental factors completed.
- Geotechnical report completed.
- Water way report completed by Bridge Design.

Key activities in the next three months:
- Adjust concept design to include recommendations from the water way report.
- Completion of tender documents.
- Advertise tender.

Emerging Issues
- Nil

Camerons Bridge Replacement

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Budget</td>
<td>$70,000</td>
<td></td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$23,126</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$0</td>
<td>30 June 2019</td>
</tr>
<tr>
<td>Available budget</td>
<td>$46,874</td>
<td>30 June 2019</td>
</tr>
</tbody>
</table>

Key activities since last month:
- Review of environmental factors completed.

Key activities in the next three months:
- Determine if additional funding is available.

Emerging Issues
- The only funding of this bridge is the $700,000 from the Bridges Renewal Program. An additional $1,443,000 needs to be secured from the State Government.

Junction Bridge Replacement

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Budget</td>
<td>$70,000</td>
<td></td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$20,315</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$0</td>
<td>30 June 2019</td>
</tr>
<tr>
<td>Available budget</td>
<td>$49,685</td>
<td>30 June 2019</td>
</tr>
</tbody>
</table>

Key activities since last month:
- Review of environmental factors completed.

Key activities in the next three months:
- Determine if additional funding is available.

Emerging Issues
- The only funding of this bridge is the $700,000 from the Bridges Renewal Program. An additional $1,443,000 needs to be secured from the State Government.
OPTIONS

1. Adopt the recommendations
2. Amend the recommendations.

CONSULTATION

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

STRATEGIC LINKS

a. Community Strategic Plan 2027

This report links to the Community Strategic Plan 2027 as follows:

Goal 4 Plan for a sustainable future
   CS15 Plan, facilitate and provide for a changing population for current and future generations.

Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
   CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

Goal 7 Enhance and improve the road network and bridges to meet the needs of current and future generations and communicate priorities and progress to the Community.
   CS27 Maintain and upgrade the road network and bridges.
   CS28 Increased Community engagement and updates on infrastructure planning, road priorities, works and improvements.
   CS29 Advocate, facilitate and/or provide traffic management and public transport facilities to meet the needs of the Community.

We are working to achieve the following Community Priorities:

- Rural lifestyle and Country feel are valued and protected and the Upper Hunter Shire remains quiet, safe, healthy and welcoming.
- Well maintained, safe, reliable and additional infrastructure, including sporting fields, parks, family and cultural facilities.
b. **Delivery Program**

The report addresses the following objectives for works to 30 June 2019 as described in the 2018/19 DPOP.

**Bridges**
By undertaking bridge maintenance and construction works to Council standards and specifications so as to improve safety and minimise future expenses.

**Local Roads**
Undertake road maintenance and construction works to Council. Standards and specifications so as to improve road safety and minimise future expenses.

**Regional Roads**
To undertake roads and bridge maintenance and construction works to Council’s standards and specifications so as to improve road safety and minimise future expenses.

**Stormwater**
To provide stormwater drainage systems to manage flows.

**Water Supplies**
To provide an adequate and secure potable water supply to recognised standards in defined areas on a cost effective basis.

**Sewage Services**
To maintain a sewage system for the transportation and treatment of sewage to licence requirements and encourage appropriate further expansion of services.

c. **Other Plans**

Council’s Asset Management Plan list projects for the development of the Capital Works Program.
**IMPLICATIONS**

a. **Policy and Procedural Implications**
   Nil

b. **Financial Implications**
   All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2018/19.

c. **Legislative Implications**
   Due to the value of the projects being over $150,000 the tendering provisions of the Local Government Act 1993 and the Local Government (General) Regulation 2005 apply.

   The two sewerage scheme projects, the Scone Sewerage Treatment Plant Augmentation and Cassilis Sewerage Scheme require State Government approval under Section 60 of the Local Government Act 1993.

d. **Risk Implications**
   Implementation of a project management framework will assist with project management completion of capital projects. Completion of these capital works projects assists Council to mitigate their risk exposure.

e. **Other Implications**
   Nil

**CONCLUSION**

The Special Projects update report provides Councillors with a review of progress of the projects and emerging issues.

**ATTACHMENTS**

Nil
ISC.07.4  CAPITAL WORKS UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Nicholas Havyatt - Director Infrastructure Services

PURPOSE

The purpose of this report is to provide an update on capital works projects within the 2018/2019 budgetary period.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

In association with the 2018/19 Delivery Program and Operational Plan, a schedule of the planned capital works has been prepared. Budget holders have been asked to identify when the project is planned to be delivered.

REPORT/PROPOSAL

The spreadsheet provided under separate cover shows the expenditure up to the end of June 2019, which to date is running at 92% of the year to date budget.

Key projects currently include:

- Willow Tree Road Construction
- Saleyards
- Murrurundi Water Pipeline

OPTIONS

1. By receiving and noting the capital works update, Council is advised of works progress and associated works scheduling.
2. Councillors may seek adjustments to works timing and priorities where identified.

CONSULTATION

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

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:
ECONOMY AND INFRASTRUCTURE

Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.

CS24  Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.

CS25  Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.

CS27  Maintain and upgrade the road network and bridges.

We are working to achieve the following Community Priorities:

b. Delivery Program

The report addresses the following objectives as described in the 2018/19 DPOP.

Bridges
By undertaking bridge maintenance and construction works to Council standards and specifications so as to improve safety and minimise future expenses.

Footpaths
Providing and maintaining a cycleway/footpath network that will contribute to the accessibility, safety and amenity of streets in Council’s towns and villages.

RMS State Roads
- Remain a core service provider to RMS
- Provide value for money service to RMS

Local Roads
Undertake road maintenance and construction works to Council. Standards and specifications so as to improve road safety and minimise future expenses.

Regional Roads
To undertake roads and bridge maintenance and construction works to Council’s standards and specifications so as to improve road safety and minimise future expenses.
Stormwater
To provide stormwater drainage systems to manage flows.

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.

**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) 2018/19.

c. Legislative Implications

Not applicable.

d. Risk Implications

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

e. Other Implications

Not applicable.

**CONCLUSION**

The capital works update report provides Councillors with a review of the progress of capital works for the 2018/19 financial year.

**ATTACHMENTS**

Nil
ISC.07.5  MURRURUNDI WATER UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Phillip Hood - Manager Water & Sewer

PURPOSE

The purpose of this report is to provide the Committee with an update of what works have been undertaken this month specifically in relation to the Murrurundi Water Supply.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

The Upper Hunter Region, and most of regional NSW, is currently experiencing severe drought conditions. Murrurundi is currently on Level 6 water restrictions and the current outlook is that water may run out completely before the end of the year if alternative arrangements are not made.

REPORT/PROPOSAL

Works/progress/issues this month includes:

- First invoice for water carting to 30 April was submitted to the Department of Industry – Water. Due to the way the subsidy is calculated, Council received $35,500 back from a total spend of $129,519 – representing only 27.4% of total carting costs. This is primarily due to the subsidy only being applicable to amounts of 188 kL/d or less. It is therefore imperative to keep consumption as low as possible.
- Consumption for week ending 27 June is 208 kL/d which is higher than our target.
- Litree Water Treatment Plant (WTP), electrician engaged by Litree was successful in getting the plant to run again, after a week of in-operation. Underlying issues with the unit wiring were largely to blame.
- The Glenalvon Bore continues to perform well, producing a consistent 108 kL/d for week ending 27 June.
- Boyd Street pump station has been deactivated for the time being, due to low output.
- A film crew from the UK were in Murrurundi last week filming part of a series called ‘Water Heroes’ on behalf of National Geographic. The series focuses on the community response to drought conditions around the world and will be available to view online when completed. Council staff helped with the production and provided comment for the film.
- GHD engaged to undertake concept design work for the Murrurundi Reservoir.

Works to be undertaken next month:

- Council will continue to work with Litree to address remaining issues with the Litree WTP, including installation of new pressure sensors in the unit and replacement of the Siemens HMI control screen.
Infrastructure Services

- Council will request new quotations for water carting for the new financial year, noting that carting demands have dropped since last summer. Council still intends to keep at least two trucks operating to ensure contingency in case one of the trucks is out of action for any reason. Current water carters are continuing to supply water to Murrurundi as per the existing agreements.

Current status (27/06/2019) is:

- Dam Level 3.4 m (16.7%)
- Boyd Street Pump Station supply 0 kL/d
- Glenalvon Bore Pump Station supply 108 kL/d
- Target town consumption 188 kL/d
- Actual town consumption 208 kL/d
- Water carted 120 kL/d

Summary of Murrurundi Dam algae results for June 2019:

<table>
<thead>
<tr>
<th>Date</th>
<th>1m Sample</th>
<th>2m Sample</th>
<th>WQRA Blue-Green Algae Action Flow Chart Guidelines Alert Level</th>
</tr>
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<td>03/06/19</td>
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<td>16.4592</td>
<td>Level 3 – Very High Alert</td>
</tr>
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<td>1.5092</td>
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<td>Level 2 – High Alert</td>
</tr>
<tr>
<td>24/06/19</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

OPTIONS

1. Receive the report.
2. Amend the recommendation.

CONSULTATION

- General Manager
- Director Infrastructure Services
- DPI Water

STRATEGIC LINKS

a. Community Strategic Plan 2027
   This report links to the Community Strategic Plan 2027 as follows:

BUILT & NATURAL ENVIRONMENTAL
Goal 4 Plan for a sustainable future
   CS15 Plan, facilitate and provide for a changing population for current and future generations.

Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
   CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
   CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.
We are working to achieve the following Community Priorities:

![Reliable and safe water supply.](image)

b. **Delivery Program**

The report addresses the following objectives for works up to 30 June 2019 as described in the 2018/19 DPOP:

**Water Supplies**

To provide an adequate and secure potable water supply to recognised standards in defined areas on a cost effective basis.

c. **Other Plans**

Drought Management Plan.

**IMPLICATIONS**

a. **Policy and Procedural Implications**

Nil

b. **Financial Implications**

These works are reactive, unplanned and subsequently not budgeted for. Funding assistance from the NSW Government has been sought to reduce the impacts on Council. Should we not receive funding then costs will be taken from the water reserves.

c. **Legislative Implications**

Nil

d. **Risk Implications**

This is an ongoing high risk situation while ever the drought conditions persist.

e. **Other Implications**

Nil

**CONCLUSION**

The situation is not yet resolved and another update will be provided next month.

**ATTACHMENTS**

Nil
The purpose of this report is to provide an update on the Scone to Murrurundi Pipeline project.

That the Committee receive the report and note the information.

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

1 Project Overview

1.1 Project Description (from Funding Agreement with Restart NSW)
Water pipeline, pump stations, balance tanks, controls and telemetry to supply Glenbawn Dam water from the existing pipeline at Scone to Murrurundi. The pipeline will also deliver drinking water to the villages of Parkville, Wingen and Blandford for future reticulation.

1.2 Project Funding
- Restart NSW – Water Security for Regions – Water Backlog $ 1,500,000
- Upper Hunter Shire Council (UHSC) - Loans $ 2,486,000
- Total Funding $15,529,000

1.3 Project Timetable
- Project Start Date: May 2015
- Proposed Completion of MDI Pipeline: Mid 2020

1.4 Award of Contract
Council accepted the tender of Leed Engineering and Construction Pty Ltd (Leed) on 14 March 2019 for the detailed design and construction of the pipeline.

2 Management Systems

2.1 Work Health and Safety

2.1.1 Incidents
There are no safety incidents to report for this month or for the project to date.
2.1.2 Management System
An updated Leed’s Safety Management Plan was reviewed by the Project team. Leed is going to provide some supporting documents that are part of their Work Health and Safety Management System that should address some shortfalls.

2.1.3 General
The second Construction Hazard Assessment Implication Review (CHAIR2) workshop will be held when the detailed design is near complete.

2.2 Quality

2.2.1 Incidents
There are no quality incidents to report for this month or for the project to date.

2.2.2 Management System
Leed’s will present more Inspection and Test Plans (ITP’s) for review prior to the commencement of construction.

2.2.3 General
Gavin McKenzie will be appointed as Superintendent’s Representative with the delegated function of quality management, focusing on ITP’s.

Chris Agosto will be appointed as Superintendent's Representative with the delegated functions of all of the Superintendent's functions apart from quality management.

Letters of appointment for the Superintendent's Representatives (Chris Agosto & Gavin McKenzie) have been sent to Local Government Legal for review prior to issue.

2.3 Environmental

2.3.1 Incidents
There are no environmental incidents to report for this month or for the project to date.

2.3.2 Management System
Leed’s Environmental Management Plan was reviewed by the project team last month. The Plan was then reviewed with Leed’s project team and a number of improvement suggestions were to be taken to their management for review.

2.3.3 General
The amended plan will be checked against the project’s REF to ensure the plan contains suitable control measures.

3 Project Status

3.1 Key Activities Completed in the Last Month
- Review of Leed’s Safety, Quality & Environmental Management Plans.
- Finalisation of some Deeds of Agreement for Easements and Access Agreements.
- Pegging of connection points for the rural connection customers.
- Field inspections with Leed.
- Development of scope of work and supporting documents to tender the concept design and costing of the three villages reticulation zones.
- Continuing of review of options for Murrurundi reservoir site and size.
3.2 Significant Achievements in the Next 3 Months

- CHAIR 2&3 workshop will be held on the detailed design which will include a safety-in-design review as well as a hazop.
- Further review of Leed’s Safety, Quality & Environmental Management Plans.
- Finalisation of Deeds of Agreement for Easements and Access Agreements.
- Development of Water Service Agreements for rural connection customers.
- Completion of negotiations with Native Title claimants on compensation for Crown land easements.
- Gazettal of Acquisition Notices for compulsory acquisition of easements on Crown land.
- Introductory meetings between Leed Project Management team, affected land owners and Council’s Project Management team.
- Commencement of construction.
- Tendering of the concept design and costings for the three villages.
- Undertake options assessment of Murrurundi reservoir site and size.

3.3 Stakeholder Engagement

- Media release on an update of the project has been approved by Restart NSW.
- Sod turning media event planned for commencement of construction.

3.4 Project Program

A Gantt chart will be tabled at the meeting.

4 Project Spend

4.1 Spend to Date

| Approved Budget | $15,529,000 |
| Expenditure to date | $1,207,513 |

| Amount spent each previous year | $40,401 | (2014/15) |
| | $166,226 | (2015/16) |
| | $241,591 | (2016/17) |
| | $312,673 | (2017/18) |
| | $446,624 | (2018/19) |

| Available funds/current year | $56,964 | 30 June 2019 |
| Commitments | $8,147,139 | 30 June 2019 |
| Available budget | $6,174,348 | 30 June 2019 |

4.2 Major Expenditure in Previous Month

- Survey plans and legal costs for easements over Crown lands – $8,639
- Two land valuations – $5,500

5 Risk Register

5.1 Risk Assessment Review

- Further review will be undertaken when the Contractor finalises their SMWS for this project.
5.2 Current High Risks
The following are the top three high risks:
- Negotiation of easement with JBS is making slow progress – the fall back option will be to route the pipeline down the existing road reserve through the cropped area and under the dam wall.
- Another seven Deeds are in the final throws of negotiation.
- Village connection and pricing policies yet to be determined.

6 Decisions and Approvals

6.1 Variations to Pipeline Scope
Requests for variation will be submitted for the following two items:
- Change the pipe material to DICL for the first 500m as it passes under the proposed Figtree & Monty subdivision.
- Install the last kilometer up to the Murrurundi reservoir.
- Route location and approvals.

6.2 Village Reticulation
A report is being submitted to the Infrastructure Services Committee with the proposed methodology to determine the limits of the reticulation zones for the villages.

OPTIONS
1. Note the report.

CONSULTATION
- Director Infrastructure Services
- Manager Special Projects
- Manager Water & Sewer
- Finance Manager

STRATEGIC LINKS
a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

BUILT & NATURAL ENVIRONMENTAL
Goal 4 Plan for a sustainable future
CS15 Plan, facilitate and provide for a changing population for current and future generations.

Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.
We are working to achieve the following Community Priorities:

b. **Delivery Program**

To provide an adequate and secure potable water supply to recognised standards in defined areas on a cost effective basis.

c. **Other Plans**

Drought Management Plan.

**IMPLICATIONS**

a. **Policy and Procedural Implications**

Upper Hunter Shire Council Rural Water Supply Policy.

b. **Financial Implications**

All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2018/19.

c. **Legislative Implications**

Nil

d. **Risk Implications**

Refer to section 5 of the report above.

e. **Other Implications**

Nil

**CONCLUSION**

This report provides an update to Councilors with a review of progress of the project and emerging issues.

**ATTACHMENTS**

Nil
ISC.07.7  SCONE TO MURRURUNDI PIPELINE - VILLAGE RETICULATION DESIGN AND DEFINITION STRATEGY

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Gavin McKenzie - Project Manager

PURPOSE
The purpose of this report is to provide advice to the Committee on the intended strategy for the design and methodology for determining reticulation limits (design and definition strategy) for the village reticulation component of the Scone to Murrurundi Pipeline project.

RECOMMENDATION
That the Committee consider and endorse the proposed design and definition strategy for the village reticulation component of the project.

BACKGROUND
A water trunk main is being constructed between Scone and Murrurundi (STM Trunk Main) with the primary purpose of improving the water security in Murrurundi.

The STM Trunk Main will pass through Parkville (and near Middlebrook), Wingen, and Blandford. These villages are not currently serviced with town water. A secondary purpose of this pipeline is to provide water to these villages. The name given to this component of the project is ‘Village Reticulation’.

Figure 1: STM Pipeline route.
Infrastructure Services

There is a general desire and intent to make water available to as many people as possible within these villages however there is a fixed amount of funding currently available and the need to maintain a viable water business.

The STM Trunk Main and its pump stations have been designed with sufficient capacity to supply the villages.

Some preliminary work has been conducted on the village reticulation design, in particular, locations for reservoirs, probable routes for rising mains, and the location of a pump station in Wingen.

REPORT/PROPOSAL

The detailed design and procurement for the STM Pipeline is underway. It is now the appropriate time to plan for the village reticulation component of the project. The nature and extent of the reticulation network is not yet formally defined or agreed. This report seeks to outline the intended design and definition strategy for the Village Reticulation.

The cost of installing a reticulation network throughout the villages is inseparable from the extent of the reticulation network and the level of service provided (e.g. fire hydrants). As a result there is uncertainty in the cost of construction.

Initial estimates prepared for the initial grant applications proposed by Public Works Advisory (PWA) were based on a preliminary reticulation concept layout for each village.

Whilst it is expected that the communities will welcome the supply of water to their villages the policy decisions, especially in regards to cost and onsite sewage management, will have an impact on community demand. It is expected that community demand and pricing policies are also inseparable. The communities, Council, and others will need to be further engaged and consulted in both the extent of the network and the policy decisions.

Pre-existing geographic limits and markers to define the boundaries of the villages, and hence the extent of the networks, were considered including:

- Village boundaries as defined on the parish maps.
- Land use zoning.
- Upper Hunter Land Use Strategy.
- Aerial photographs showing existing homes and buildings.

None of these appear to present an obvious, distinct, fair, and defendable boundary.

A presentation showing graphic representations of the potential boundaries and limitations in using these boundaries will be provided at the committee meeting.

The extent of the network constructible for the funding available cannot be accurately resolved without a detailed design on which to base a quantity survey. The community cannot be meaningfully engaged without viable concept designs.

The process shown in Figure 2 is intended to provide a viable methodology to resolve the design and definition conundrums for the project.
Village Reticulation Design and Definition Strategy

1. Define a wide limit to the four villages.
   - Segment the villages into constructible areas.

2. Collate relevant design information that is already prepared.

3. Assessment of impact on onsite sewerage due to greater water availability
   - Draft the policies regarding connection to the network within the villages
   - Concept design of the systems
   - Community consultation of the concepts and policy
   - Detailed design of the systems
   - Quantity survey (establish a reasonably accurate cost in a defensible manner)

4. Policy Finalisation
   - Selection of Constructible Areas
   - Council resolution
   - Tender for construction

5. Confirmation of available funding
   - Business sustainability assessment and considerations

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**Figure 2: Design and consultation process.**
The primary advantage of this methodology is to allow a decision point with high quality information available. By the primary decision point the following will be established:

- Community demand and other community feedback.
- Connections policies.
- Costs for each village segment.
- Costs for providing fire services (principally storage and hydrants).
- Engineering practicalities (what needs to be constructed, how it is to be constructed, where it can be constructed, what is impracticable to achieve).
- Impacts on the ongoing water business.

It is proposed that the Council staff will make a recommendation to the Infrastructure Committee regarding the areas to be constructed as part of the STM Pipeline project. The Infrastructure Committee will have the opportunity to refine and adopt these recommendations.

The primary risk of this methodology is that some design effort may be expended on village segments that are not constructed. These unconstructed segments, if they eventuate, would be constructible ('shovel-ready') when funding is available. The consequence of this risk is assessed to be low.

Reticulation of Middlebrook is not currently part of the STM Pipeline funding deed. Some of the infrastructure would be shared with Parkville. The engineering planning will be significantly more efficient if the design and definition for Middlebrook is completed concurrently with the remainder of the project.

**CONSULTATION**

- Director Infrastructure Services
- Manager Special Projects
- Manager Water & Sewer
- Project Manager STM Pipeline

**STRATEGIC LINKS**

a. **Community Strategic Plan 2027**

This report links to the Community Strategic Plan 2027 as follows:

**BUILT & NATURAL ENVIRONMENTAL**

**Goal 4** Plan for a sustainable future

CS15 Plan, facilitate and provide for a changing population for current and future generations.

**Goal 6** Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.

CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.

CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.
We are working to achieve the following Community Priorities:

b. Delivery Program

To provide an adequate and secure potable water supply to recognised standards in defined areas on a cost effective basis.

c. Other Plans


IMPLICATIONS

a. Policy and Procedural Implications

A connections and pricing policy will need to be developed in time for community consultation and approved before construction. The works are expected to have an impact on the design of onsite sewage management systems.

b. Financial Implications

All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2018/19.

The Manager Water and Sewer advised prices for water access and consumption for the villages will be the same as other reticulated areas of UHSC.

c. Legislative Implications

This project scope does not need approval from DPI Water under the Local Government Act Section 60 unless the scope changes to include water treatment.

d. Risk Implications

This proposal will help manage the risk associated with this project.

e. Other Implications

Nil

CONCLUSION

This methodology provides a viable strategy for the design and definition of the Village Reticulation.

ATTACHMENTS

1 Scone to Murrurundi Pipeline Village Imagery Presentation
Scone to Murrurundi Pipeline
Village Reticulation

Village Imagery
Wingen
Village segments for water network design
Blandford
Village segments for water network design

DP 131943
Middlebrook
Not mapped as a village on Parish map
Middlebrook
Village segments
for water network
design
Four Villages Water Reticulation Design and Consultation Process

- Define a wide limit to the four villages.
  Segment the villages into constructible areas.

- Collate relevant design information that is already prepared.

- Assessment of impact on onsite-sewerage due to greater water availability

- Draft the policies regarding connection to the network within the villages

- RFQ for the concept and detailed design

- Concept design of the systems

- Community consultation of the concepts and policy

- Environmental contractor

- Design Contractor

- UHSC
Questions?
ISC.07.8  

**ROADS CONGRESS 2019**

**RESPONSIBLE OFFICER:** Nicholas Havyatt - Director Infrastructure Services  

**AUTHOR:** Nicholas Havyatt - Director Infrastructure Services

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**PURPOSE**

The purpose of this report is to inform the Committee of the 2019 NSW Local Roads Congress held in Sydney on Monday 3 June 2019.

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**RECOMMENDATION**

That Council note the report.

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**BACKGROUND**

The Roads & Transport Directorate arranged the 2019 NSW Local Roads Congress in Sydney on Monday, 3 June 2019.

The Roads & Transport Directorate is part of the Institute of Public Works & Engineers Australasia (IPWEA). The Roads & Transport Directorate was set up in conjunction with the Local Government & Shires Associations of NSW to meet demands and to act as a focus for research activities and to provide technical advice. Its main purpose is to assist Local Government in NSW in the area of road infrastructure and transport related activities.

The NSW Roads Congress provides a forum for Mayors, Councillors, Administrators, Interim General Managers, General Managers and Senior Engineering staff to have access to Ministers and Senior State Government staff to discuss the issues about local roads and funding. Nicholas Havyatt (Director Infrastructure Services) and Councilor Ron Campbell attended the Congress.

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**REPORT/PROPOSAL**

Managing risks, road funding models, road safety and emerging transport technologies were the issues discussed at the NSW Local Roads Congress held in Sydney on 3 June 2019. Once again, Local Government called upon the NSW and Australian Governments for assistance in delivering their commitments to their communities through greater resourcing and support.

Elected officials and experts from across NSW were joined by the President of Local Government NSW, Linda Scott and Members of Parliament to continue the conversation on managing risks, promoting safety, and ensuring fair and equitable funding for local roads.

Key take-away messages resulting from the Congress centred on road safety planning and action, re-distribution of funding to the bush, local government capacity and skills, and preparing for emerging transport technologies.

Addressing the Congress, Minister for Regional Transport and Roads, Mr Paul Toole, MP reconfirmed the pre-election announcement of $500 Million for fixing country roads and $500 Million for replacing timber bridges as additional funding on top of the existing Fixing Country...
Roads Program. The Minister also announced his commitment to help address the current infrastructure backlog in NSW communities as well as his support for IPWEA NSW’s initiative to train NSW Councils in preparing Road Safety Strategic Plans. The Minister called on everyone to help spread the word on the importance of promoting road safety to their communities.

IPWEA NSW President Warren Sharpe OAM outlined the processes towards achieving better road safety outcomes and called on the NSW Government to build on the excellent work being done in partnership IPWEA (NSW), LGNSW and Councils. He also raised significant questions on how roads will be managed into the future taking into account the 81,600 km of unsealed roads in NSW alone.

During the morning panel session, delegates heard from experts from LGNSW, National Transport Commission, NSW Local Government Grants Commission and the NRMA, on managing resources such as technical expertise and developing better funding models for Local Government. The afternoon panel session focused on managing risks and stressed the importance of road safety audits and road safety strategic plans to give a better understanding of road safety risks. Experts from LGNSW, NSW Highway Police Force, RMS, Centre for Road Safety, and National Heavy Vehicle Regulator all provided interesting insights and enticed discussions on risks, responsibility, and regulation.

Bernard Carlon, Executive Director of the Centre for Road Safety, Transport for NSW, confirmed that the NSW Local Government Road Safety Program is currently a three-year rolling program with funding available until 2021. He likewise confirmed that the State Government is providing funding for training to assist Councils in preparing Road Safety Strategic Plans.

John Wall, Program Manager for Connected and Automated Vehicles at Austroads, shared his thoughts on the future of connected and automated vehicles on local roads and the critical infrastructure changes necessary to accommodate these emerging transport technologies.

Shadow Minister for Local Government and Communities and Shadow Minister for Regional Roads, Peter Primrose MLC announced the opposition’s continued support for the redistribution of Federal Assistance Grant funding and for the introduction of a mandatory, statutory registration scheme for Engineers in NSW.

LIME APAC Public Affairs Manager, William Peters wrapped up the Congress and shared his insights on the future of Electric Vehicles. He outlined Lime’s vision of providing personal mobility through electric bikes and scooters and how this might be accommodated on the local road and footpath networks to the benefit of local communities. He concluded the presentation by inviting delegates to test drive an electric scooter.

Delegates adopted a Congress Communiqué calling for the development of a sustainable and more equitable funding model to look after roads, target road safety, and open up local road network to more efficient transport to better service our community and drive the NSW economy forward.

The Congress calls on Councils in NSW to:
1. Progress the Congress Communiqué by writing to the relevant Ministers and their local NSW and Australian Government MPs seeking their support for the Congress outcomes.
2. Continue to improve asset management performance by:
   a. continuing to work with the Office of Local Government and the NSW Auditor General to improve the transparency and consistency of infrastructure measures within the Integrated Planning & Reporting framework.
   b. incorporation of a Road Safety Strategic Plan (aligned with the NSW Road Safety Plan 2021 and in accord with the IPWEA NSW Guidelines for Road Safety Plans 2019) within each Council’s Resource Plan.
   c. building capacity within the Local Government industry by supporting ongoing training and knowledge sharing.
3. Support the employment of better techniques and the importation of proven technology to better meet our community’s needs through improved engineering and construction methods.
4. Develop robust workforce strategies to ensure the skills and capacity exist to plan, deliver and maintain local roads now and in the future, including cadet and apprenticeship programs at a professional and operational level.
5. Advocate for place-based regional transport strategies that encourage public transport and active travel solutions in metropolitan and regional centres across NSW.

OPTIONS

1. Accept the report.
2. Amend the report.

CONSULTATION

- Councilor Ron Campbell
- IPWEA NSW

STRATEGIC LINKS

a. Community Strategic Plan 2027
   This report links to the Community Strategic Plan 2027 as follows:

LEADERSHIP
Goal 8  Provide Community Leadership
   CS30  Effectively and efficiently manage the business of Council, while encouraging an open and participatory Council with an emphasis on transparency, Community engagement, action and response.

We are working to achieve the following Community Priorities:
Infrastructure Services

b. Delivery Program
   - System development to enhance infrastructure delivery.

c. Other Plans

Roads Asset Management Plan.

IMPLICATIONS

a. Policy and Procedural Implications
   Nil

b. Financial Implications
   Nil

c. Legislative Implications
   Nil

d. Risk Implications
   Nil

e. Other Implications
   Nil

CONCLUSION

The IPWEA NSW Local Roads Congress is a strong group used to advocate for road funding to both levels of government.

ATTACHMENTS

1. 2019 local roads congress communique final
NSW Local Roads Congress
3 June 2019
Congress Communiqué

The NSW Roads & Transport Directorate, a partnership between Local Government NSW (LGNSW) and the NSW Institute of Public Works Engineering Australasia (IPWEA NSW), in holding the 2019 Local Roads Congress, resolved to announce the following communiqué.

The Congress recognises the critical role of Local Government as a provider of local and regional transport infrastructure in partnership with the state and Federal Governments. The Congress calls for immediate and on-going action from all levels of government to address the unacceptable level of fatalities, serious injuries and road related trauma on our road network, with specific attention to the local road network.

Road Funding
The Congress recognises the contribution of other levels of government in providing ongoing financial assistance for the management of local roads and infrastructure, particularly in regional areas through:

**NSW Government**
- Rebuilding NSW
- Fixing Country Roads
- Fixing Country Rail
- Fixing Country Truck Washes
- Funding for Road Safety Auditor training

**Australian Government**
- Bridges Renewal Program
- Heavy Vehicle Safety and Productivity Program
- The Current $744.5m Black Spot Program with a commitment to providing $60m per year after 2021-22
- Roads to Recovery Program

While the funding allocation for the Federal Government’s Roads to Recovery program has become permanent and the base funding for the next five years has been increased, the total Federal Government funding program is $700 million less than it was for the previous five-year program. This shortfall must be addressed by increasing the annual Roads to Recovery funding from $500 million per annum to $800 million.

The Congress fully supports the announcement by the NSW Government of a $500 million Fixing Country Bridges Program based on the data contained in the Roads & Transport Directorate’s 2017 Timber Bridge Management Report and awaits release of the Program details. The Congress also welcomes the additional $500m to address the declining condition in local roads across NSW.
The Congress requests further information and clarification on the announcement by the State Government to transfer up to 15,000 km of Regional Roads back to the State in response to LGNSW’s report on cost shifting. IPWEA NSW in conjunction with LGNSW asks for the opportunity to be involved in future consultation to ensure that the intent to benefit councils remains the top priority in the proposal. We also want to ensure that:

- roads that might be taken back will be improved and maintained with an appropriate increase in funding level
- any change in arrangements do not adversely impact other grants provided to Councils (eg FAGS grants) or the delivery of existing works for Transport for NSW (ie RMCCs) on the existing state network
- Council retains the function of being able to undertake works on any roads that are moved from an existing regional road to a state responsibility
- Individual proposals are the subject of consultation with each council involved prior to any changes being made

The Congress also seeks assurances that any roads not transferred to the State, will remain funded through the Regional Road Block Grant program.

The Congress fully supports the Australian Local Government Association’s (ALGA) call for the Australian Government to commit to:

1. Secure annual Commonwealth funding for local government equal to at least 1% of Commonwealth Taxation Revenue.
2. Oppose revenue constraints such as rate capping and cost shifting.
3. Encourage councils to acknowledge Financial Assistance Grants as a Commonwealth untied grant to Local Government.
4. Strengthen Local Government’s credentials as a trusted partner for tied Commonwealth grants.

Road Safety
Local Government plays a significant role in supporting road safety at the community level, with responsibility for almost 90% of the NSW road network. We recognise that within their existing means and current funding arrangements, Councils already make a significant contribution to road safety. Information collected by IPWEA NSW through the 2017 Road Asset Benchmarking report indicates that there are very few Councils that have adopted a Road Safety Strategic Plan as part of their suite of strategic planning tools. Road Safety Strategic Plans will allow Councils to give greater focus on improving road safety using a safe systems approach. IPWEA NSW has collaborated with Transport for NSW to offer training to all Councils in NSW to improve skills and capacity in road safety audit, and will deliver subsidised training in the preparation of road safety plans during 2019-20.

The Congress encourages all Councils to develop formal Road Safety Strategic Plans aligned to the National Road Safety Strategy 2011-20 and the NSW Road Safety Plan 2021 to ensure that Councils are considering the road safety implications in all activities they undertake.
The Congress notes the assurance given by Transport for NSW that the NSW Local Government Road Safety Program (LGRSP) is currently a three-year rolling program with funding confirmed until 2021.

The Congress calls on the Federal Government to fully fund a $3 billion annual Road Safety Fund recommended by the Inquiry in the National Road Safety Strategy. A Fund of this size could help resource councils to contribute to other aspects of the Safe Systems approach beyond the Safer Roads component. The issue of restricting the use of mobile devices in motor vehicles through technology should also be researched.

**Heavy Vehicles and Freight Task**

Local Government is a major player in the supply chain as custodians of approximately 90% of the State road network. Road transport will continue to play a dominant role in freight transport, with the impact of the increasing freight further contributing to wear and tear on local roads.

The Congress calls for additional targeted investment to unlock local and regional productivity by improving access for freight vehicles and connectivity between local roads and preferred state and national freight routes. The Congress also calls for identification funding to determine key first and last mile pinch points as well as support for councils to undertake more extensive network road quality assessments. Rail freight investments must also continue to be made to help shift as much freight from the road network as possible.

The Congress calls on the NSW Government to accelerate the development of new Regional Transport Plans to inform strategy and decision making.

**Roads Maintenance Council Contracts**

The Congress notes the invaluable two-way partnership between Councils and the TfNSW in delivering Road Maintenance Council Contracts (RMCC) on State Highways across regional NSW.

The Congress supports the ongoing direct delivery of the RMCC by Councils for the TfNSW, noting Councils should not be compelled to deliver the RMCC via Joint Organisations. The Congress encourages the TfNSW to work with Councils and the Roads & Transport Directorate to develop and imbed the new TfNSW system requirements for the effective delivery on RMCC and to further build capacity across the Local Government sector.

LGNSW has also successfully lobbied the NSW Government for an increase from 12 months to 24 months for future RMCCs, which will help councils to better plan and manage the maintenance activities.
Disruptive Transport Technology

The Congress identifies that the introduction of hydrogen, electric and connected autonomous vehicles will impact Local Government and will require ongoing monitoring and review to maximise opportunities for safety improvements, productivity improvements, reduction in maintenance costs and the public good. This will include working together with the State Government on:

- the deployment of the technology on current infrastructure provision and maintenance arrangements, including funding arrangements and data sharing agreements;
- the additional challenges associated with the introduction of semi-autonomous vehicle technology in rural and regional areas;
- the unknown economic and social impacts of semi-autonomous and autonomous vehicles;
- the safety benefits of connected and autonomous vehicles must be closely monitored to ensure that improved outcomes are achieved across the entire vehicle fleet; and
- the inherent problems arising from the existence of a non-homogeneous vehicle fleet on the transport network are identified and minimised.

To further the outcomes of this Congress, the Congress calls on governments to take the following measures:

**NSW Local Government**

The Congress calls on Councils in NSW to:

1. Progress the Congress Communiqué by writing to the relevant Ministers and their local NSW and Australian Government MPs seeking their support for the Congress outcomes.
2. Continue to improve asset management performance by:
   a. continuing to work with the Office of Local Government and the NSW Auditor General to improve the transparency and consistency of infrastructure measures within the Integrated Planning & Reporting framework
   b. incorporation of a Road Safety Strategic Plan (aligned with the NSW Road Safety Plan 2021 and in accord with the IPWEA NSW Guidelines for Road Safety Plans 2019) within each Council’s Resource Plan
   c. building capacity within the Local Government industry by supporting ongoing training and knowledge sharing
3. Support the employment of better techniques and the importation of proven technology to better meet our community’s needs through improved engineering and construction methods
4. Develop robust workforce strategies to ensure the skills and capacity exist to plan, deliver and maintain local roads now and in the future, including cadet and apprenticeship programs at a professional and operational level
5. Advocate for place-based regional transport strategies that encourage public transport and active travel solutions in metropolitan and regional centres across NSW.

**NSW Government**

The Congress calls on the NSW Government to:

1. Develop a sustainable funding model for Local Government in NSW
2. Implement a system to:
   a. Recognise the importance of qualified engineers and call on the government, in consultation with key industry groups, to implement on a transitional phase-in basis, a requirement for all local government authorities to have a suitably qualified engineer.
   b. Recognise engineers as a profession, through a State and National registration scheme, similar to Queensland and Victoria, and as raised at the Council of Australian Governments in 2011-12
   c. Support cadetships for civil engineering across all government projects, in order to ensure the long-term workforce capabilities
3. Accelerate the delivery of regional transport plans across NSW working in conjunction with Councils
4. Redistribute Federal Assistance Grants to regional NSW to address social equity and reduce the infrastructure funding gap, with a more meaningful rate charged on urban land so large urban Councils are not financially disadvantaged
5. Increase the existing Regional Road Block Grant and Repair Program allocations to reflect increases in the construction cost index which is well above CPI.
6. Implement IPART Review of the Local Government Rating System where LGNSW and stakeholders support the recommendations.
7. Initiate consultation with Local Government to establish a Freight Strategy to increase productivity and safety through targeted investment
8. Work through the TfNSW to support Councils needing assistance to achieve R2 prequalification to ensure Councils are strengthened in contracting to TfNSW to deliver Road Maintenance Council Contracts (RMCC).
9. Ensure that the implementation of future RMCC Contracts be direct with Councils and any other arrangements be made only at the request of the individual Councils, avoiding the pitfalls of a one size fits all approach.
10. Provide support for Councils to work with local businesses and communities to implement local and regional Climate Change Plans - particularly in relation to infrastructure.
11. Support Councils in developing and implementing strategic Road Safety Plans as part of the implementation of the NSW Road Safety Plan 2021.
12. Provide planning and funding for initiatives that contribute to the reduction of private car journeys across the state such as additional commuter and satellite parking facilities and carshare services. This is a broad benefit initiative that will have a positive impact on road safety outcomes, reducing congestion, improving community health and optimizing asset useful lifecycle.
13. Improve systems for open reporting and sharing of data with Local Government including during emergency situations (e.g. road closures).
14. Continue to work with Local Government to develop a more equitable financial arrangement for the implementation of the use of day labor to repair road infrastructure when responding to undertake repairs resulting from natural disasters.
15. Strategically target first and last mile hotspots for enhancement as part of the freight strategy
NSW and Australian Governments
The Congress calls on the NSW and Australian Governments to:

1. Continue the funding to Local Government under grant programmes such as Fixing Country Roads and the Bridges Renewal Program
2. Build upon the Fixing Country Rail Program to target the reduction of freight loads on local and regional roads, including resolving institutional impediments for access to existing rail
3. Encourage ALGA to use its position on COAG, informed by State Local Government peak bodies and IPWEA NSW, to develop a new National Infrastructure Partnership for the three tiers of Government for smarter long-term investment planning in transport and community infrastructure.
4. Develop a coordinated policy framework that maximises the public good of transport technology (hydrogen, electric and autonomous vehicles) taking into consideration the current transport infrastructure capacities and constraints

Australian Government
The Congress calls on the Australian Government to:

1. Restore FAGs to 1 percent of the total Federal Government budget.
2. Find equitable and sustainable ways to fund infrastructure investment.
3. Review the formula for the distribution of identified roads grants, and end cost shifting by state governments
4. Increase funding for the replacement or restoration of damaged assets to a more resilient standard following a natural event
5. Repair the shortfall in Roads to Recovery funding announced in this year’s budget. While the base funding for the next five years was increased, the total program funding is $700 million less than it was for the previous five-year program.
6. Address the potential revenue loss from the shift from petrol to electric vehicles by establishing a new user-pays system to replace the $18.7 billion a year in road taxes

Australian Local Government Association
The NSW Congress seeks the support of ALGA to deliver the NSW Roads Congress outcomes.

Further enquiries:

Warren Sharpe OAM, President IPWEA (NSW) - 0409 398 358
Cr Linda Scott, President, Local Government NSW – (02) 9242 4000
Garry Hemsworth, Director IPWEA (NSW) – 0427 432 216
Mick Savage, Manager Roads & Transport Directorate - 0418 808 085
Kylie Yates, Director Advocacy, Local Government NSW – 0418 607 575
ISC.07.9  ANSWERS TO COUNCILLOR QUESTIONS

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Megan Thew - Infrastructure Services Support Officer

PURPOSE

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

RECOMMENDATION

That the Committee receive and note the report.

BACKGROUND

At each Infrastructure Services Committee meeting the Councillor’s ask questions to the Infrastructure Services Director and Managers. Some questions require further investigation and actions to be made.

This report is to provide the questions being asked by the Councillor’s and to ensure we have provided answers and relevant information regarding it.

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

REPORT/PROPOSAL

December 2018

Cr Campbell

1. Asked: What can we do to improve the safety and reduce the near misses at the intersection of the Golden Highway and Ringwood Road, Merriwa?

   Response: Director Infrastructure Services has advised that Council will report the issue to RMS.

   Update: A letter has been sent to the RMS asking them to review the intersection and undertake a road safety audit. Council is awaiting a response from RMS.

February 2019

Cr Collison

1. Asked: Has the community consultation been scheduled for Mossvale Footbridge

   Response: Director Infrastructure Services has advised that the community consultation will be scheduled in the next few months.
March 2019

Mayor Wayne Bedggood

2. Asked: What is the follow up on the turning lane and Street light on the corner of Mareeba Road and New England Highway?

Response: Director Infrastructure Services has consulted with RMS who have advised Roads and Maritime have reviewed the crash data for this intersection and there have been no crashes recorded within the last five years. An upgrade of the intersection to provide a right turn bay is not a priority relative to other road safety issues on the road network. The intersection is within the village area of Parkville and new lighting would normally be provided by Council. Council are now working with Ausgrid to erect a streetlight on Mareeba Road to light up the intersection to increase the visibility of the intersection. A CRM reference 854/2019 has been logged for the work.

Update: Council are still liaising with Ausgrid.

Cr Collison

1. Asked: Can the concrete causeways out at Stewarts brook be programmed to be inspected?

Response: Director Infrastructure Services has advised that staff have logged a CRM Reference 855/2019 and staff have programmed the causeways to be inspected.

Update: Causeways have now been inspected and are scheduled to be completed by the end of June.

Update: Stewarts brook causeways will be programmed to have maintenance work completed by March 2020, subject to available funds. A memo has been sent to Councillors.

2. Asked: There are logs that have built up on Colonial Swamp Bridge on Mossvale Road, can these be removed and cleaned up? The bridge also had a plaque on it but some time ago it was knocked off. Can we investigate in having one erected again?

Response: Director Infrastructure Services has advised that a CRM reference 883/2019 was logged and staff have completed the cleanup of the logs against the bridge. Staff are now investigating what was on the Plaque to have one erected and placed back on the bridge.

Update: Staff have ordered the replacement plaque and will install it once it arrives.

Cr Campbell

1. Asked: Has requested, can we get street lights be installed over the pedestrian crossing on Vennacher Street, Merriwa?

Response: Director Infrastructure Services has advised a CRM 887/2019 has been logged for staff to liaise with Ausgrid for work to be scheduled.

Update: Staff are continuing to liaise with Ausgrid for works and a date of completion will be supplied.
2. Asked: Can the flags for the School crossing at Cassilis be replaced?

   Response: Director Infrastructure Services has advised a CRM 889/2019 has been logged for staff to purchase new flags for the school.

   Update: Flags have been ordered and will be delivered once received.

   Update: Flags have arrived and are scheduled to be installed by the end of June.

   **Update:** Flags have been installed and a memo has been sent to Councillors.

April 2019

Cr Ron Campbell

1. Asked: Is Racecourse Road to Borambil programmed for maintenance grading?

   Response: Director Infrastructure Services has advised that staff have inspected Racecourse Road and grading is scheduled for late May.

   Update: Grading has commenced on Racecourse Road.

   **Update:** The maintenance grade of Racecourse Road is complete.

May 2019

Cr Campbell

1. Asked: The pipe drain at the corner of Killoe Rd and Flight Springs Rd is full of soil residue preventing drainage, in a storm event the storm water would cross the road and enter on Killoe Rd scouring the resheating of the gravel surface that has been resurfaced after the last storm damage. Can the drain be cleaned out so this does not occur?

   Response: Staff have logged a CRM Ref: 1563/2019 for this request.

   Update: Director Infrastructure Services advises that staff have investigated the pipe drain and works are scheduled to be completed in July.

   **Update:** Staff have now cleared the drain and a memo has been sent to Councillors.

2. Asked: Can a delivery date for the School flags for Cassilis be provided?

   Response: Flags have arrived and are scheduled to be installed by the end of June.

   **Update:** Flags have been installed and a memo has been sent to Councillors.

3. Asked: There are still some of the ‘Alcohol Free Zone’ signs in Bettington Street, Merriwa that are out of date, can the signs be updated?

   Response: Director Infrastructure Services has advised staff have inspected the signage and will update any signage that are out of date.

   **Update:** The signs are currently out of stock but they have been ordered.
Cr Collison

1. Asked: How is the fencing for Gundy playground coming along?
   
   Response: Director Infrastructure Services advises that some funding has been set aside for this project. Staff will work with the community to develop the project further.
   
   **Update:** The works at Gundy playground are programmed for July.

2. Asked: Following a recent storm Barrington Road pipes are all blocked. Can this be programmed for them to be cleaned out?
   
   Response: Director Infrastructure Services has advised that staff have logged this request as a CRM ref: 1586/2019. Staff have inspected the pipe systems and are currently developing a priority list for drainage maintenance within the maintenance budget.
   
   **Update:** Works are currently programmed to be completed by August 2019. A memo has been sent to Councillors.

June 2019

Cr Burns

1. Asked: Is there any heritage listing on Scone Sewage Treatment Plant and Merriwa Sewage Treatment Plant?
   
   Response: Director Infrastructure Services has advised that Scone Sewage Treatment Plant and Merriwa Sewage Treatment Plant are not heritage listed.

2. Can the roads in the Upper Rouchel Area be inspected following the grading to ensure the drainage is adequate?
   
   Response: Director Infrastructure Services advises that staff have logged a CRM ref 1652/2019. Staff have inspected the drainage and it has been constructed correctly to the design required. Staff will conduct a follow up inspection after the grading is complete. A memo has been sent to Councillors.

3. Can Council investigate in becoming a member of an app called ‘Snap Send Solve’ to improve our ability to receive customer enquiries?
   
   Response: Director Infrastructure Services has forwarded this request to the relevant department, once it is investigated a memo will be sent to Councillors.

Cr Campbell

1. Asked: With the proposed works at Cassilis sewage scheme, can a footbridge be considered for installation when installing the sewage line over the bridge?
   
   Response: Director Infrastructure Services has advised there is currently no plans for a footbridge to be installed in the sewage works.

OPTIONS

1. Note the report.
CONSULTATION

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

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

ECONOMY AND INFRASTRUCTURE

Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.

CS24  Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.

CS25  Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.

CS27  Maintain and upgrade the road network and bridges.

We are working to achieve the following Community Priorities:

b. Delivery Program
The report addresses the following objectives up to June 2019 as described in the 2018/19 DPOP:

Parks, Gardens and Sporting Fields
By providing quality open spaces, parks sporting grounds and reserves that are suitable and accessible for the community.

Roads and Bridges – Local & Regional
By undertaking roads, stormwater, footpaths and bridge maintenance and construction works to Council’s standards and specifications so as to improve road safety and minimise future expenses.
Parks & Gardens
- A parks and open space maintenance program across Council.
- Upgrade or replace parks and playground equipment.

Roads - Local & Regional
- A well maintained urban, rural sealed and unsealed road network.
- Increase effectiveness of preventative maintenance work as part of maintenance management works practices.
- Construction and quality specifications for road construction.

c. Other Plans

Asset Management Plans.

**IMPLICATIONS**

a. Policy and Procedural Implications

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

b. Financial Implications

Identified within individual items in the 2017/18 and 2018/19 budgets.

c. Legislative Implications

Not applicable.

d. Risk Implications

Nil

e. Other Implications

Nil

**CONCLUSION**

The updated report is provided to answer previous questions addressed by Councillor’s in the previous Infrastructure committee meetings.

**ATTACHMENTS**

Nil