Executive summary

Roads and Maritime Services, Pacific Complete and our contractor partners are working together to deliver the Woolgoolga to Ballina Pacific Highway upgrade.

This report provides a summary of the consultation carried out by Roads and Maritime to seek community feedback for a temporary asphalt batch plant at McIntyres Lane, Gulmarrad. The need for the temporary asphalt batch plant was identified following a review of the asphalt supply for the Woolgoolga to Ballina Pacific Highway upgrade, which began in July 2018.

Feedback was received from 22 people, raising 23 individual comments about six different topics. Key topics raised by the community during consultation include:

- air quality including dust and odour
- noise from batch plant operation and heavy vehicle movements
- potential damage to local roads
- proximity to local community
- condition of McIntyres Lane
- general support for the proposed temporary asphalt batch plant

After considering the community feedback received, Roads and Maritime will proceed with the temporary asphalt batch plant at McIntyres Lane, Gulmarrad.

Next steps

An assessment of the McIntyres Lane, Gulmarrad site will be progressed to the Department of Planning and Environment’s independent Environmental Representative for consideration and approval.

We will provide information to local residents before work starts to build the batch plant, including working hours and what to expect during construction and operation.
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APPENDIX A – FEBRUARY 2019 COMMUNITY UPDATE ............................................................................ 13
1. Introduction

1.1. Background

Roads and Maritime Services, Pacific Complete and our contractor partners are working together to deliver the Woolgoolga to Ballina Pacific Highway upgrade.

Roads and Maritime is proposing to build a temporary batch plant to supply asphalt for the section of the upgrade between Tucabia and Maclean. The need for the temporary asphalt batch plant was identified following a review of the asphalt supply for Woolgoolga to Ballina Pacific Highway upgrade which began in July 2018.

Following the project teams review of the asphalt supply for the upgrade, a detailed assessment of the potential site options between Tucabia and Maclean was carried out. This assessment identified the McIntryes Lane, Gulmarrad site as best meeting the criteria to supply asphalt between Tucabia and Maclean. This site was identified as it:

- satisfied all the technical requirements
- met all of the requirements under the Minister’s Conditions of Approval
- has suitable access from the Pacific Highway for deliveries via an existing approved site access, as well as direct access to the upgrade from McIntryes Lane, Gulmarrad

Roads and Maritime sought feedback from the community in February 2019 on the preferred site. The feedback received has been considered in finalising the proposal for the temporary asphalt batch plant.

1.2. Purpose of this report

This report outlines the consultation carried out on the preferred location for a temporary asphalt batch plant between Tucabia and Maclean.
2. Asphalt supply review

In July 2018, following community feedback about a proposed temporary batch plant near Woombah, the project team started to review the supply strategy for the manufacture and delivery of asphalt for the Woolgoolga to Ballina Pacific Highway upgrade.

The review to date has involved:

- assessing how much asphalt will be used for the upgrade and when and where it is needed
- reviewing the capacity of existing permanent asphalt batch plants and the need for temporary asphalt batch plants
- identifying potential sites for temporary asphalt batch plants and developing a shortlist of possible sites
- engaging with directly affected residents to seek their views on the shortlisted sites

Existing permanent batch plants in Alstonville, near Ballina, and Coffs Harbour are already engaged to supply the upgrade north of Devils Pulpit and south of Tucabia respectively.

The project team’s assessment determined two temporary batch plants are needed to supply asphalt for the upgrade between Tucabia and Devils Pulpit:

- one temporary batch plant is needed to supply asphalt between Maclean and Devils Pulpit
- one temporary batch plant is needed to supply asphalt between Tucabia and Maclean

A temporary asphalt batch plant has been established at Mororo to supply asphalt between Maclean and Devils Pulpit. This batch plant is currently under construction and scheduled to start operation soon.

A temporary asphalt batch plant is proposed at McIntyres Lane, Gulmarrad to supply asphalt between Tucabia and Maclean.

2.1. Proposed temporary asphalt batch plant at McIntyres Lane, Gulmarrad

All identified sites for temporary asphalt batch plants have been assessed against the Minister’s Conditions of Approval – B73 Ancillary Facilities, which outline strict requirements for managing the project’s construction impact.

Following the project team’s review of the asphalt supply for the upgrade, a detailed assessment of the potential site options between Tucabia and Maclean was carried out. This assessment identified the McIntyres Lane, Gulmarrad site as best meeting the criteria to supply asphalt between Tucabia and Maclean. This site was identified as it:

- satisfied all the technical requirements
- met all of the requirements under the Minister’s Conditions of Approval
- has existing access to the highway via a fully functional intersection
### McIntyres Lane, Gulmarrad

#### Benefits:
- suitable access for deliveries from the Pacific Highway via an existing approved site access gate
- access to the highway through a fully functional intersection
- elevated position out of the floodplain
- located within 200 metres of the existing McIntyres Lane site office
- direct access from the proposed batch plant site to the upgrade
- close proximity to the areas of the upgrade where asphalt is needed
- includes the required one hectare of available space
- closest sensitive receiver is located more than 300 metres from the site
- area is within the project’s approved project boundary and Environment Protection Licence boundary
- no additional vegetation removal required

#### Constraints:
- unsealed section of McIntyres Lane between the Pacific Highway and McIntyres Lane overpass bridge
3. Consultation approach

Roads and Maritime sought feedback from the community in February 2019 about a proposed temporary asphalt batch plant at McIntyres Lane, Gulmarrad.

We have provided a table outlining the activities carried out as part of the consultation.

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 11 February 2019</td>
<td>‘Have your say’ notification and feedback form (Appendix A) distributed to about 1100 residences in Tyndale and Gulmarrad</td>
</tr>
<tr>
<td>From 11 February 2019</td>
<td>Meetings, phone calls and doorknock with residents of 28 properties within one kilometre of the proposed site</td>
</tr>
<tr>
<td>11 February 2019</td>
<td>Provided an update on Roads and Maritime’s website, with a web version of the community update including feedback form available to download</td>
</tr>
<tr>
<td>13 February 2019</td>
<td>Email sent to 345 registered stakeholders notifying of the proposal and inviting feedback</td>
</tr>
<tr>
<td>13 February 2019</td>
<td>SMS sent to 343 registered stakeholders notifying of the proposal and inviting feedback</td>
</tr>
<tr>
<td>19 February 2019</td>
<td>Drop-in community information session attended by six people</td>
</tr>
<tr>
<td>21 February 2019</td>
<td>Drop-in community information session attended by seven people</td>
</tr>
</tbody>
</table>

Feedback forms were provided in the community updates and at drop-in sessions for respondents to indicate their level of support for the McIntyres Lane site and any specific concerns about construction and operation of the proposed temporary asphalt batch plant.

The existing communication channels for the upgrade were available for people to provide feedback or seek further information:

<table>
<thead>
<tr>
<th>Phone</th>
<th>24-hour project information line: 1800 778 900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:W2B@pacificcomplete.com.au">W2B@pacificcomplete.com.au</a></td>
</tr>
<tr>
<td>Post</td>
<td>Woolgoolga to Ballina upgrade, PO Box 546 Grafton NSW 2460</td>
</tr>
<tr>
<td>Website</td>
<td>pacifichighway.nsw.gov.au</td>
</tr>
<tr>
<td>In person</td>
<td>Woolgoolga to Ballina project information centre, 21 Prince Street, Grafton</td>
</tr>
</tbody>
</table>
4. Feedback summary

Between 11 February and 1 March 2019, Roads and Maritime received feedback from 22 people raising six different matters.

Submissions were received from people living in:

- Gulmarrad (16 people)
- Maclean (two people)
- Townsend (one person)
- Brushgrove (one person)
- Alstonville (one person)
- Wollongong (one person)

Most respondents provided submissions using the feedback form (21 people) and one person responded via email.

4.1. Sentiment

The feedback form allowed respondents to indicate their level of support for the proposed temporary asphalt batch plant. The sentiment indicated in the submissions is provided in the table below.

<table>
<thead>
<tr>
<th>McIntyres Lane</th>
<th>Support</th>
<th>Conditional support</th>
<th>Does not support</th>
<th>Not stated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17</td>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

4.2. Key matters raised

In total, six unique topics were raised with 23 individual comments. We’ve provided a summary below of the topics raised.

Environment:
- noise from batch plant operation (one comment) and heavy vehicle movements (one comment)
- air quality including dust from batch plant operation and heavy vehicle movements (four comments) and odour from batch plant operation (three comments)

Traffic:
- potential damage to local roads (one comment)
- condition of McIntyres Lane (eight comments)

Community:
- proximity to local community (one comment)

Other:
- general support for the proposed temporary asphalt batch plant (four comments)
4.3. Response to feedback

The table below provides a summary of the key topics raised and Roads and Maritime’s responses.

<table>
<thead>
<tr>
<th>Matter raised</th>
<th>Roads and Maritime’s response</th>
</tr>
</thead>
</table>
| Environment                                                                  | Temporary asphalt batch plants for the Woolgoolga to Ballina Pacific Highway upgrade will be built to stringent standards which are regulated by the NSW Environment Protection Authority. Independent air quality and odour specialists have been engaged to assess the potential impact and will prepare an air quality impact assessment for the preferred site.  
To manage air quality impacts at temporary asphalt batch plants, the project team will:  
• install and maintain particulate extraction equipment  
• maintain bitumen products at the lowest possible temperature  
• ensure machinery meets industry standards  
• monitor and spray water on aggregate stockpiles to minimise dust  
The project team will regularly monitor the air quality around the plant to ensure compliance with legislation, air emission standards and the conditions of the project’s Environment Protection License (EPL).  
Dust monitoring will be carried out during the establishment, operation and decommissioning of the batch plant and results compared to the criteria provided in the project’s EPL.                                                                                                                                                                                                 |
| Dust from batch plant operation and heavy vehicle movements (four comments)  |                                                                                                                                                                                                                                                                                                                                                           |
| Odour from batch plant operation (three comments)                           |                                                                                                                                                                                                                                                                                                                                                           |
| Noise from batch plant operation (one comment) and heavy vehicle movements (one comment) | Independent acoustic specialists have been engaged to assess the potential noise and vibration impact from construction and operation of a temporary asphalt batch plant. Initial assessments indicate noise and vibration levels would be within the limits set by the NSW Environment Protection Authority and under the project’s Environment Protection Licence.  
Construction and operation of the temporary asphalt batch plant would be carried out in line with the project’s Construction Noise and Vibration Management Plan.  
Most activities for the construction and operation of the temporary asphalt batch plant would be during approved work hours (from 7am to 6pm between Monday and Friday and 8am to 5pm on Saturday). Some work will be done outside approved construction hours including:  
• starting operation early to maximise asphalt production  
• carrying out deliveries to and from the temporary asphalt batch plant                                                                                                                                                                                                                                                                                                                                 |
<p>| Mounding from batch plant operation (one comment)                           |                                                                                                                                                                                                                                                                                                                                                           |</p>
<table>
<thead>
<tr>
<th>Matter raised</th>
<th>Roads and Maritime’s response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance of plant and equipment</td>
<td></td>
</tr>
<tr>
<td>Supplying asphalt during night work, such as traffic changes</td>
<td></td>
</tr>
<tr>
<td>All activities will be carried out in line with the project’s out of hours work procedure and impacted residents will be notified before work starts. Noise and vibration monitoring will be carried out to ensure the levels are within the allowable limits.</td>
<td></td>
</tr>
<tr>
<td><strong>Traffic</strong></td>
<td></td>
</tr>
<tr>
<td>Potential damage to local roads (one comment)</td>
<td>The project team will monitor and rectify any damage to roads as required to maintain a safe road environment for road users.</td>
</tr>
<tr>
<td>Condition of McIntyres Lane (eight comments)</td>
<td>McIntyres Lane will be graded and spray sealed from the existing Pacific Highway to the new McIntyres Lane overpass bridge (about 400 metres).</td>
</tr>
<tr>
<td><strong>Community</strong></td>
<td></td>
</tr>
<tr>
<td>Proximity of proposed site to the local community of Gulmarrad (one comment)</td>
<td>Roads and Maritime appreciates community concern about the potential impact of the proposed temporary asphalt batch plant and cumulative impact of construction activities in the Gulmarrad area. Potential impacts from construction and operation of the temporary asphalt batch plant, including traffic, noise and vibration, and air quality, will be assessed and managed in accordance with the project’s Conditions of Approval and management plans. Residents will continue to be kept updated about construction as well as the operation of the temporary asphalt batch plant and will be notified in advance of any activities required outside approved construction work hours.</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
</tr>
<tr>
<td>General support for the proposal (four comments)</td>
<td>Roads and Maritime appreciates the support received for the proposed temporary asphalt batch plant.</td>
</tr>
</tbody>
</table>
5. Recommendation and next steps

5.1. The decision

After considering the community feedback received, Roads and Maritime will proceed with the proposed temporary asphalt batch plant at McIntyres Lane, Gulmarrad.

5.2. Next steps

An assessment of the McIntyres Lane, Gulmarrad site will be progressed to the Department of Planning and Environment’s independent Environmental Representative for consideration and approval.

Roads and Maritime will provide more information to local residents before work starts to build the temporary asphalt batch plant, including working hours and what to expect during construction and operation.
Appendix A – February 2019 community update

Have your say
Temporary asphalt batch plant at McIntyres Lane, Gulmarrad
February 2019

The Australian and NSW governments are jointly funding the Woolgoolga to Ballina Pacific Highway upgrade. Roads and Maritime Services, Pacific Compass and its contractor partners are working together to deliver the upgrade.

In this update
- Background
- Asphalt supply between Tucabia and Devils Pulpit
- Proposed site for a temporary asphalt batch plant
- Traffic and access arrangements
- Community feedback and mitigation measures
- Have your say
- Next steps

Background

In July 2018, the project team started a review of the supply strategy for the manufacture and delivery of asphalt for the Woolgoolga to Ballina Pacific Highway upgrade. The review has involved:
- assessing how much asphalt will be used for the upgrade and when and where it is needed;
- reviewing the capacity of existing permanent asphalt batch plants;
- understanding potential sites for temporary asphalt batch plants;
- engaging with directly affected residents to seek their views on proposed sites.

This update outlines the outcomes of our review so far, including the shortlisted location for a temporary asphalt batch plant between Tucabia and Maclean.

Fast facts
- The standard production capacity of a batch plant is 75,000 tonnes of asphalt per month.
- About 170,000 tonnes of asphalt will be needed between 2018 and 2020.
- The temporary asphalt batch plant will produce asphalt at a lower rate than a permanent plant to allow the site to be easily dismantled.
- The community feedback period will be 5 weeks.

How possible sites were identified

Several sites were considered as possible locations for a temporary asphalt batch plant between Tucabia and Maclean. Several factors were considered in identifying possible locations:
- compliance with the Minister’s Conditions of Approval which outline strict requirements for managing the project’s construction impacts;
- technical requirements including traffic and access arrangements, haulage distances, available land, proximity to the upgrade;
- environmental factors including flooding and drainage, air quality, impacts to flora and fauna and ability to mitigate any potential environmental impacts;
- community impacts including distance to properties and ability to mitigate any potential impacts.

This information has been used to inform how we will supply asphalt for this section of the upgrade as well as considering safety, our work schedule and value for money.

Proposed site

Following the review, a preferred site was identified at McIntyres Lane, Gulmarrad for the supply of asphalt between Tucabia and Maclean. This location was found to best meet the assessment criteria because it:
- satisfied all of the technical requirements;
- met all of the requirements under the Minister’s Conditions of Approval or impacts were able to be mitigated;
- had suitable access from the Pacific Highway for deliveries via an existing approved site access, as well as direct access to the upgrade from McIntyres Lane.

We are seeking your feedback on the proposed temporary asphalt batch plant at McIntyres Lane. We have provided a map in this update showing the location and traffic and access arrangements.

Following the community feedback period, the proposed site will be progressed to the Department of Planning and Environment’s Independent Environmental Representative for consideration and approval.
Proposed temporary batch plant at McIntyres Lane, Gulmarrad

Site location
- Suitable access for deliveries from the Pacific Highway via an existing approved site access road
- Access to the Highway through a fully functional intersection
- Elevated position out of the floodplain
- Located within 200 metres of the existing McIntyres Lane site office
- Direct access from the proposed batch plant site to the upgrade
- Close proximity to the areas of the upgrade where asphalt is needed
- Includes the required one hectare of available space
- Closest sensitive receiver is located more than 200 metres from the site
- Area is within the project’s approved project boundary and Environment Protection Licence boundary
- No additional vegetation removal required.

Traffic and access arrangements

KEY
- Existing Pacific highway
- New highway alignment
- Local roads
- Construction access
- Overpass
- proposed temporary asphalt batch plant

Traffic and safety:
- Increase in the number of light and heavy vehicles
- Increasing interaction between construction vehicles and local traffic
- Safety of intersections where construction vehicles access the highway
- Interaction capacity and potential for increased congestion.

Community feedback

We have received feedback about batch plants to date and have been considering their potential impact on the surrounding area. The key factors are discussed below and the measures we will use to mitigate these concerns.

Summary of community concerns

Traffic and safety:
- To ensure access to the temporary batch plant site meets safety requirements, traffic arrangements include:
  - creating a separate construction vehicle only access
  - reducing the speed limits at intersections
  - implementing traffic safety initiatives

Air quality:
- To ensure the temporary asphalt batch plant for the Woolgoolga to Galiwonga upgrade will meet strict standards regulated by the NSW Environment Protection Agency.
  - Independent air quality and odour specialists have been engaged to assess the potential impacts and will prepare an air quality impact assessment for the chosen site.
  - To manage air quality impacts, the project team will:
    - install and maintain appropriate odour control equipment
    - monitor and report on air quality standards
    - ensure compliance with all relevant statutory requirements

Water management:
- The project’s environmental impact assessment identifies the need for the management and mitigation of flooding. Detailed flood modelling has been completed as part of our assessment to ensure the project’s flood impact objectives have been met.
- Groundwater management and erosion and sediment controls would be implemented in accordance with the project’s Construction Environment Management Plan.

Mitigation measures

- Temporary asphalt batch plants for the Woolgoolga to Galiwonga upgrade will be built to stringent standards regulated by the NSW Environment Protection Agency.
- Independent air quality and odour specialists have been engaged to assess the potential impacts and will prepare an air quality impact assessment for the chosen site.
- To manage air quality impacts, the project team will:
  - install and maintain appropriate odour control equipment
  - monitor and report on air quality standards
  - ensure compliance with all relevant statutory requirements
Summary of community concerns  Mitigation measures

Flora and fauna
The proposed site has undergone a biodiversity assessment by an ecologist to ensure potential impacts to flora and fauna can be mitigated. Construction and operation of the temporary batch plant would be carried out in line with the project’s Construction Environment Management Plan to ensure that impacts to environmentally sensitive areas are minimised.

Work outside approved construction hours
Most activities for the construction and operation of temporary asphalt batch plants will be carried out during approved construction hours (from 7am to 6pm between Monday and Friday and 8am to 5pm on Saturdays).
Some work would be done outside normal hours:
- starting operation early to maximise asphalt production
- supplying asphalt during night work, such as traffic changes
All activities would be carried out in line with the project’s out of hours work procedure and impacted residents would be notified before work starts.

Hazardous materials and emergency management
All dangerous goods and substances will be stored and used in accordance with the Australian Standard (AS3942). Emergency management plans are in place for situations that may include:
- personal injury
- plant and equipment related emergencies
- natural events including flood and fire
- environmental events including those involving hazardous materials
The project team ensures that all contractors working on the upgrade have an emergency management plan relating to their work, which is tested and tested regularly. Fatal and severe risk reviews are also used to proactively site and manage working environments to avoid emergency situations.

Safety initiatives for managing construction access
Electronic message signs will be used to deliver information to road users about the area they are travelling through.
Radar-activated speed signs will be installed to remind motorists of their speed.
Reduced speed limits where necessary to improve safety near construction access roads.

Monitoring road safety
We continually monitor and review the changes we have made to the road. Some of the ways we do this include:
- auditing road safety before and after we respond to traffic on new or upgraded roads
- audits on site
- traffic control queue management
- weekly traffic control site audits
- traffic management awareness and training workshops for staff and contractors.

Have your say
We are seeking your feedback on the proposed building and operation of a temporary asphalt batch between Tuncurry and Maclean. The feedback period closes on Friday 1 March.
There is information available at w20@pacificconcrete.com.au or PO Box 546, Grafton, NSW, 2460.

Information sessions
We will be holding drop-in sessions for the community to meet with the project team and ask questions. There will be no formal presentation, so please drop in any time.
Tuesday 19 February, 5pm to 7pm
McIntyre Street site compound
Gate 77, Pacific Highway, Grafton
Thursday 21 February, 5pm to 7pm
Hoyte Street site compound
Gate 77, Pacific Highway, Grafton

Next steps
After the consultation period closes, the project team will consider community feedback as part of the environmental assessment of the proposal for a temporary asphalt batch plant.
The assessment of the proposed site will also include, but not be limited to, further consideration of environmental and traffic impacts. The site assessment will be provided to the Department of Planning and Environment’s Independent Environmental Representative for consideration and approval.
We will provide more information to local residents before work starts to build the batch plant, including working hours and what to expect during construction.

Contact us
Have a question or just want to chat to someone about the project? Contact us at any time:
- 131 450
- 1800 778 860
- w20@pacificconcrete.com.au
- pacific.highway.nsw.gov.au
- PO Box 546, Grafton NSW 2460
- Roads and Maritime Services, 21 Prince Street, Grafton NSW 2460

FEBRUARY 2019
RMS 23 975
Privacy and Information Services (PIS)’s Privacy Act 1988 (Cth) Privacy and Information Protection Act 2009 (NSW) (PIPA) which requires the identification and collection of personal information on this form. This information will be used solely for the purpose of the delivery of this project. Your personal information will not be disclosed to third parties unless required by law. We may contact you for project purposes. If you do not wish to receive further communications, you can opt out by e-mailing pacific.highway.nsw.gov.au.
Woolgoolga to Ballina Pacific Highway upgrade

Have your say – Proposed temporary asphalt batch plant at Moleynes Lane, Gumenahad

Roads and Maritime Services invites you to have your say on the proposed temporary asphalt batch plant. All contact details will remain confidential and will only be used to keep you informed about the project.

Notice
Address
Postcode
State
Phone number
Email address
Would you like to receive project updates?  Email: [ ] Yes  [ ] No  SMS: [ ] Yes  [ ] No

After reviewing the information provided (please tick one):
[ ] I do not support a temporary asphalt batch plant in my area
[ ] I support a temporary asphalt batch plant in my area

Please provide feedback on the proposal
Please explain your concerns:

Thank you for completing this feedback form.
If you would like more information or have a question about the project, please call the toll-free community information line on 1800 778 900 or email W28pacific@completel.com.au

To mail this feedback form fold along the dotted line and seal with clear tape.
Mail your completed form (no stamp required) to address below.

Delivery Address:
PO Box 546
GRAFTON NSW 2460

Woolgoolga to Ballina upgrade
Reply Paid 87323
GRAFTON NSW 2460