

Our ref: SWT21/00087
Contact: Cam O'Kane

8 March 2022

Federation Council
BY EMAIL: council@federationcouncil.nsw.gov.au

Attention: Susan Appleyard

**SSD-8804 (PAE-2882) – PROPOSED HOWLONG SAND AND GRAVEL QUARRY EXPANSION,
4343 RIVERINA HIGHWAY, HOWLONG**

I refer to your correspondence regarding the subject Application which was referred to Transport for NSW (TfNSW) for assessment and comment.

From the information provided it is understood that this proposal is for an expansion of the existing sand and gravel quarry to an increase in the annual extraction, processing and transport rate from 30,000 tpa to a maximum of 300,000 tpa of sand and gravel. The subject site has frontage to the Riverina Highway, which is a classified "state" road within a 100 kmh speed zone.

TfNSW has completed a review of the Submissions Report (the Report) prepared by R.W Corkery & Co Pty Limited dated February 2022. Focussing on the impact to the state road network, TfNSW advises the following:

- TfNSW and the Applicant discussed the proposed upgrade to the intersection of Quarry Access Road with the Riverina Highway as referred to in **Appendix 3** of the Report. TfNSW confirms this intersection treatment is based on a maximum hourly traffic generation of five laden loads (10 movements in an hour);
- TfNSW is pleased that the Applicant supports the standards terms relating to the design and construction of the intersection, being a sealed Basic Right Turn (BAR) and Basic Left Turn (BAL) treatment in accordance with the Austroads Guide to Road Design;
- TfNSW is also pleased that the Applicant supports the inclusion of the suggested conditions of consent provided by TfNSW in an email dated 20 August 2021 as per **Appendix 4** of the Report and **Attachment 1 of this correspondence**;
- To ensure that Applicant adheres to the maximum hourly traffic generation, TfNSW recommends that an additional condition be added which relates to the Applicant providing of a survey of the Quarry extraction area and stockpiles on an Annual Basis as found in **Attachment 2 of this correspondence**.

In addition, TfNSW has also taken into consideration the additional information in the Submission Report, particularly relating to the Quarry Flood Risk Assessment, which was not previously discussed with the Applicant. TfNSW notes the following:

- The Review of Flood Modelling Outcomes prepared by Water Technology November 2021 as per **Appendix 8** of the Report indicates the addition of a levee to prevent the expansion pits from flooding up to a 1% AEP flood event, could result in a minor increase in water levels up to 4 km upstream of the site;
- The flood modelling outcomes indicate that the maximum increase to flood water levels as a result of the levee construction varies from 30cm just upstream of the Quarry Site to approximately 3cm at a point 4.7km east of the upstream modelling boundary;

- The Riverina Highway is outside of the floodplain in this location and is constructed above the 1% and 0.5% Average Exceedance Probability (AEP) depth;
- To ensure that the addition of a levee does not impact the classified road network, TfNSW also recommends that an additional condition be added to ensure that there is to be no flooding of the Riverina Highway as a result of the levee as found in **Attachment 2 of this correspondence**.

TfNSW emphasises the need to minimise the impact of development on the existing public road network and maintain the level of safety, efficiency and maintenance along the road network. As the proposed development has frontage to the Riverina Highway (HW20), the proposed conditions listed in Attachment 1 are appropriate for road safety and network efficiency reasons.

Transport for NSW has assessed the State Significant Development Application based on the documentation provided and would raise **no objection subject to conditions** on the basis that the Consent Authority ensures that the development is undertaken in accordance with the information submitted as amended by the inclusion of the agree conditions listed in **Attachment 1** and the additional conditions listed in **Attachment 2 of this correspondence**.

TfNSW highlights that in determining the application it is the consent authority's responsibility to consider the environmental impacts of any road works which are ancillary (proposed or deemed necessary) to the development. This may include the need for further environmental assessment for any ancillary road works.

Any enquiries regarding this correspondence may be referred to the writer, TfNSW (South Region), phone (02) 6923 6582.

Yours faithfully



Cam O'Kane
Case Officer, Development Services South

1. A maximum heavy vehicle volume of 5 vehicles entering the site (10 movements to/from the site) per hour. The quarry operator is to record and maintain a log of the extraction quantities and traffic movement in and out of the subject site. This log is to be kept on site and be available for inspection at the request of the consent authority.
2. As a minimum the intersection of the Riverina Highway and the proposed access road shall be constructed with a sealed Basic Right Turn (BAR) and Basic Left Turn (BAL) treatment in accordance with the Austroads Guide to Road Design for a B-Double route as amended by the supplements adopted by Transport for NSW. As a minimum the lanes on Riverina Highway shall be designed and constructed at 3.5 metres in width.
3. As a minimum the access driveway to the Riverina Highway shall be constructed as a 'Rural Property Access' type treatment in accordance with the Austroads Guide to Road Design with a minimum width of at least 6 metres to accommodate 2 way movement to the property boundary and be sealed for at least 30 metres from the edge of seal of the highway.
4. The access driveway and its intersection with the Riverina Highway shall be designed and constructed so that any vehicles entering or exiting the development site are not required to cross to the opposing travel lane of the Riverina Highway in order to perform the access or egress manoeuvre to/from the access driveway. Associated directional marking and signage is to be installed and maintained in accordance with Australian Standards.
5. Any entry gate to the subject site from the Riverina Highway shall be located at least 30m from the edge of seal of the carriageway or at the property boundary whichever is the greater. This is to allow for the standing of large vehicles when gates are to be opened.
6. The intersection of the proposed access road with the Riverina Highway shall be designed, constructed and maintained to prevent water from proceeding onto, or ponding within, the carriageway of the Riverina Highway. If a culvert is to be installed and is to be located within the clear zone of the carriageway for the posted speed limit it is to be constructed with a traversable type headwall.
7. A management plan to provide measures to suppress dust generation from the development site and the access road shall be prepared and implemented to the satisfaction of Council and Transport for NSW.
8. Any damage or disturbance to the road reserve of the Riverina Highway is to be restored to match surrounding landform in accordance with Council requirements. All redundant driveways or gates to the Riverina Highway shall be removed and the road reserve is to be restored to match the surrounding roadside in accordance with Council requirements.
9. The Riverina Highway is part of the State Road network. For works on the State Road network the developer is required to enter into a Works Authorisation Deed (WAD) with Transport for NSW before finalising the design or undertaking any construction work within or connecting to the road reserve. The applicant is to contact the Team Leader, Development Services South on Ph. 02 6923 6611 for further detail.
10. Any works within the road reserve of the Riverina Highway requires concurrence from Transport for NSW under section 138 of the Roads Act 1993 prior to commencement of any such works. The developer is responsible for all public utility adjustment/relocation works, necessitated by the development and as required by the various public utility authorities and/or their agents.
11. No approval is granted for any signage on the development site that is visible from the Riverina Highway.
12. Any works associated with the development shall be at no cost to Transport for NSW.

1. A survey of the Quarry Site extraction area and on-site stockpiles is to be provided to Council on an annual basis to ensure the extraction does not exceed a maximum of 300,000 tpa.
2. The proposed additional levee to prevent the expansion pits from flooding shall not cause any flooding to the Riverina Highway.