

Traffic and transport assessment

Managing impact on local traffic

July 2026
Amendment Report



Introduction

Updates to construction traffic and oversized load routes following project refinements

Thank you to everyone who has taken the time to share feedback, ask questions and participate in the VNI West (NSW) consultation process so far. We have finalised planning activity for the project to support the environmental assessment.

VNI West is a proposed new 500 kV double-circuit overhead transmission line that will connect the electricity networks in New South Wales (NSW) and Victoria. As planning has progressed, we've updated how construction traffic and oversized vehicle movements are managed to support safe travel for local road users and reduce impacts on surrounding roads. This fact sheet provides an overview of the updates to construction traffic routes and haulage routes for oversized loads as part of the amended project*.

*For more information on Traffic and Transport Impact Assessment, refer to Chapter 6 of the Amendment Report or Technical Paper 8 – Revised traffic and transport impact assessment.

Where planning has progressed to

Since the public exhibition of the Environmental Impact Statement (EIS) in August 2025, Transgrid has further refined the project based on community and stakeholder feedback, as well as ongoing design and technical requirements. These proposed amendments and refinements have been assessed in an Amendment Report submitted to the NSW Department of Planning, Housing and Infrastructure (DPHI) alongside a Submissions Report responding to issues raised during the EIS exhibition period.

What changes are covered

Potential traffic and transport impacts were assessed as part of the EIS. Since exhibition we have undertaken continued consultation with relevant roads authorities, including Transport for NSW and local councils, as part of ongoing construction planning for the amended project.

This includes changes relating to:

- construction traffic routes along the transmission line alignment
- haulage routes for oversized substation equipment
- access to construction compounds and work areas
- potential impacts to local and regional road networks.

How the assessment has been updated

To support the proposed amendments and refinements, additional traffic and transport assessment work has been carried out, including:

- Additional surveys and assessment of the existing road network, to understand baseline conditions at proposed access points and construction traffic routes within the Murray River, Edward River and Murrumbidgee LGAs, and likely impact to road users and road conditions from construction vehicles.
- Further assessment of traffic flow and congestion conditions, including modelling to compare conditions with and without construction traffic, particularly at key intersections along revised construction routes.
- Preparation of transport management plans for high-risk oversize and overmass (OSOM) vehicle movements from ports in Newcastle and Melbourne to Dinawan and Wagga substations.



Figure 1: Cobb Highway and Wanganella-Moulamein Road intersection at Wanganella

Traffic routes

The map showing construction traffic routes is provided on the following page, along with further descriptions.

Changes to traffic and transport since the EIS

We've refined construction traffic routes, with some previously identified routes being removed or replaced and alternative routes added to improve safety and reduce potential traffic impacts.

New roads proposed to be used during construction (and assessed in the Amendment Report) are:

- Moulamein: Paterson Road
- Deniliquin to Tullakool: Wakool Road
- Gregadoo: Ashfords Road, Boiling Down Road, Elizabeth Avenue
- Lake Albert: Mitchell Road, Kyeamba Avenue, Vincent Road
- Koorlingal: Koorlingal Road.

Roads that are now no longer proposed to be used:

- Moulamein: Barratta Street, Carne Street, Tallow Street (between Moulamein Road and Tchelery Road)
- Jerilderie: Showground Road
- Moonbria: Moonbria Road between Carrathool Road and Wilson Road
- Argoon: Fernbank Road
- Berrigan Road/Jerilderie Road between the Newell Highway and Berrigan.

Oversize and overmass (OSOM) routes

The port facilities and preliminary routes assessed as part of the EIS included Port of Newcastle, Port of Adelaide and Port of Melbourne. As part of the refined OSOM routes, Port of Adelaide is no longer proposed to be used. Routes from Port of Newcastle and Port of Melbourne have been refined for the amended project to use approved OSOM routes as far as possible.

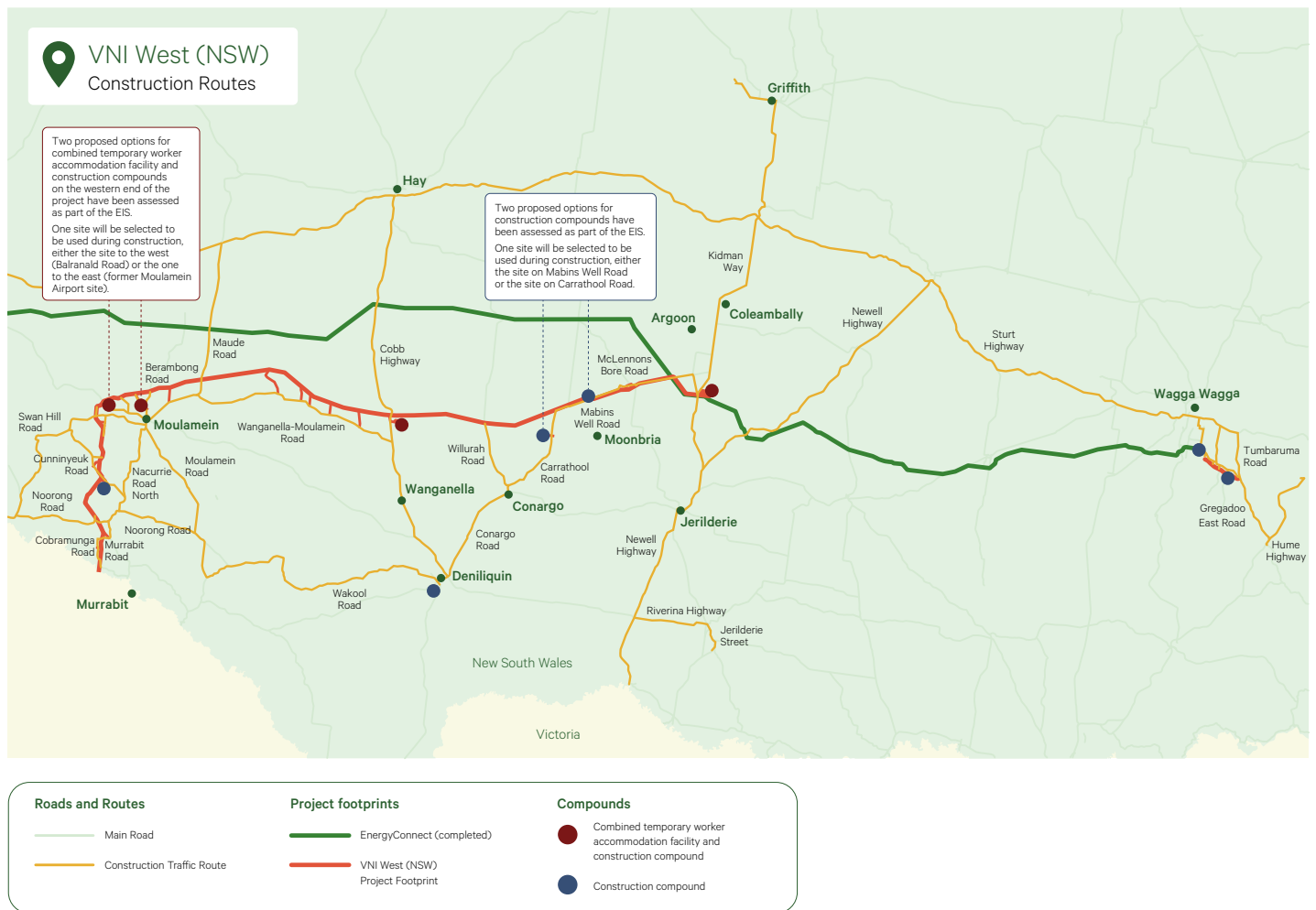


Figure 2: Map of VNI West (NSW) construction traffic routes.

Road and intersection upgrades

A number of localised upgrades have been identified to support construction traffic:

Localised road upgrades proposed at:

- Argoon: McLennons Bore Road
- Moulamein: Robb Road
- Wetuppa: Fisher Lane.

Intersection improvements proposed at:

- Bundure: Kidman Way and Cadell Road
- Bundure: Kidman Way and Newell Highway
- Cobramunga: Murrabit Road and Cobramunga Road
- Cunninyeuk: Cunninyeuk Road and Wood Lane
- Gala Vale: McLennons Bore Road and Cadell Road
- Mallan: Swan Hill Road and Kaylock Road
- Maude: Sturt Highway and Maude Road
- Moulamein: Berambong Road and Balranald Road
- Moulamein: Wanganella-Moulamein Road and Maude Road
- Wanganella: Cobb Highway and Wanganella-Moulamein Road
- Wetuppa: Noorong Road and Nacurrie Road South.

Cattle grid upgrades to accommodate heavy vehicle movements at:

- Wanganella-Moulamein Road: Up to 19 existing structures between Cobb Highway and Maude Road
- Willerah Road: Up to five existing structures between Carrathool Road and the project alignment.

What this means for local roads and communities

- Some construction routes have changed, including the addition and removal of specific roads.
- Oversized vehicle routes have been refined to improve safety.
- Road upgrades and intersection improvements will support safe movement of construction traffic.
- Traffic volumes will vary during construction, particularly at key locations.
- Measures will be implemented to manage impacts and maintain safety for road users.

Next steps

The VNI West (NSW) EIS, Amendment Report, and Submissions Report have been submitted to the NSW DPHI for review before a determination is made.

If approved, the NSW Minister for Planning and Public Spaces will issue the Conditions of Approval for construction and operation of VNI West (NSW). The Commonwealth Department of Climate Change, Energy, the Environment and Water and the Commonwealth Minister for the Environment and Water will also review the determination and decide whether to grant approval, including any additional conditions.



Get in touch

If you have questions or would like more information, please get in touch.

We're committed to keeping you informed and are available if you have questions.

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