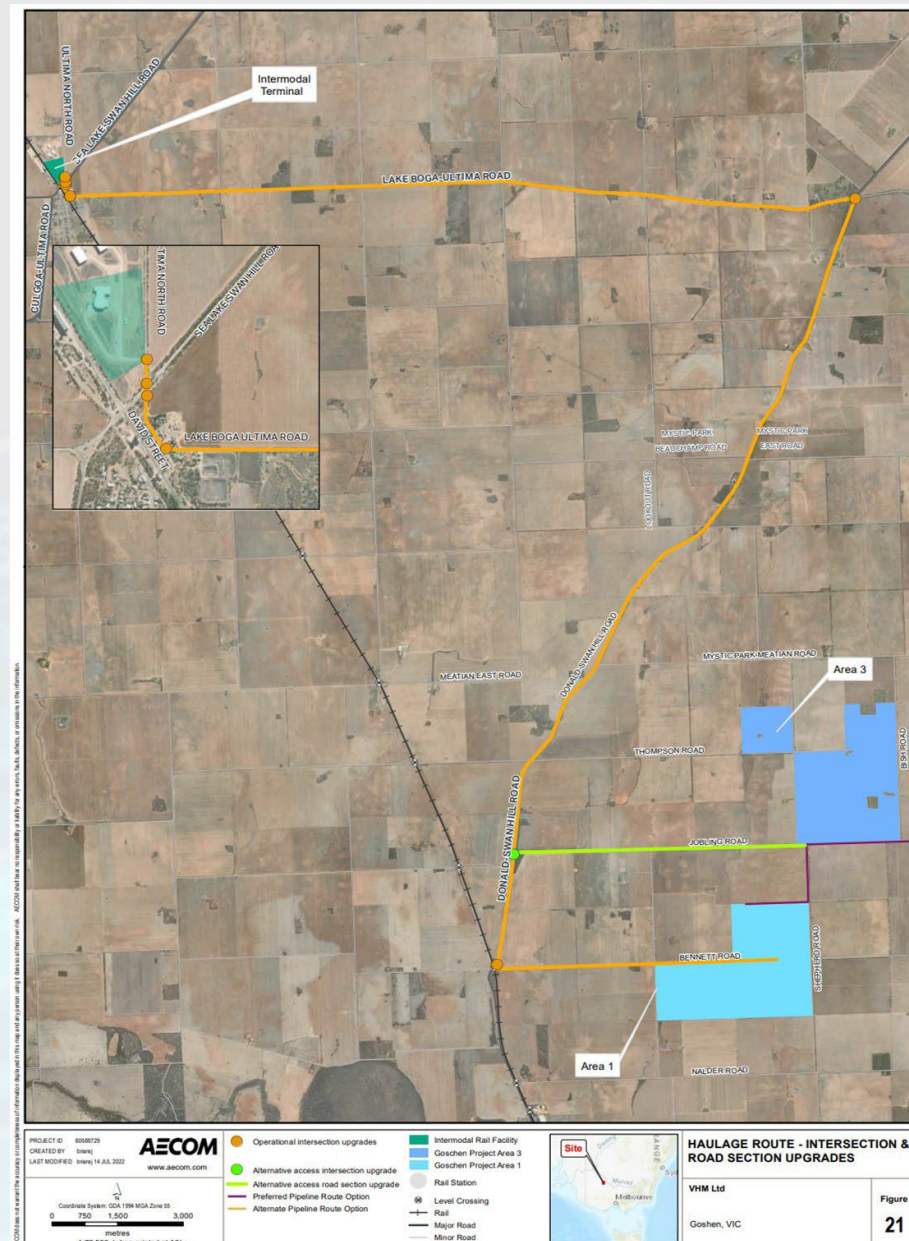
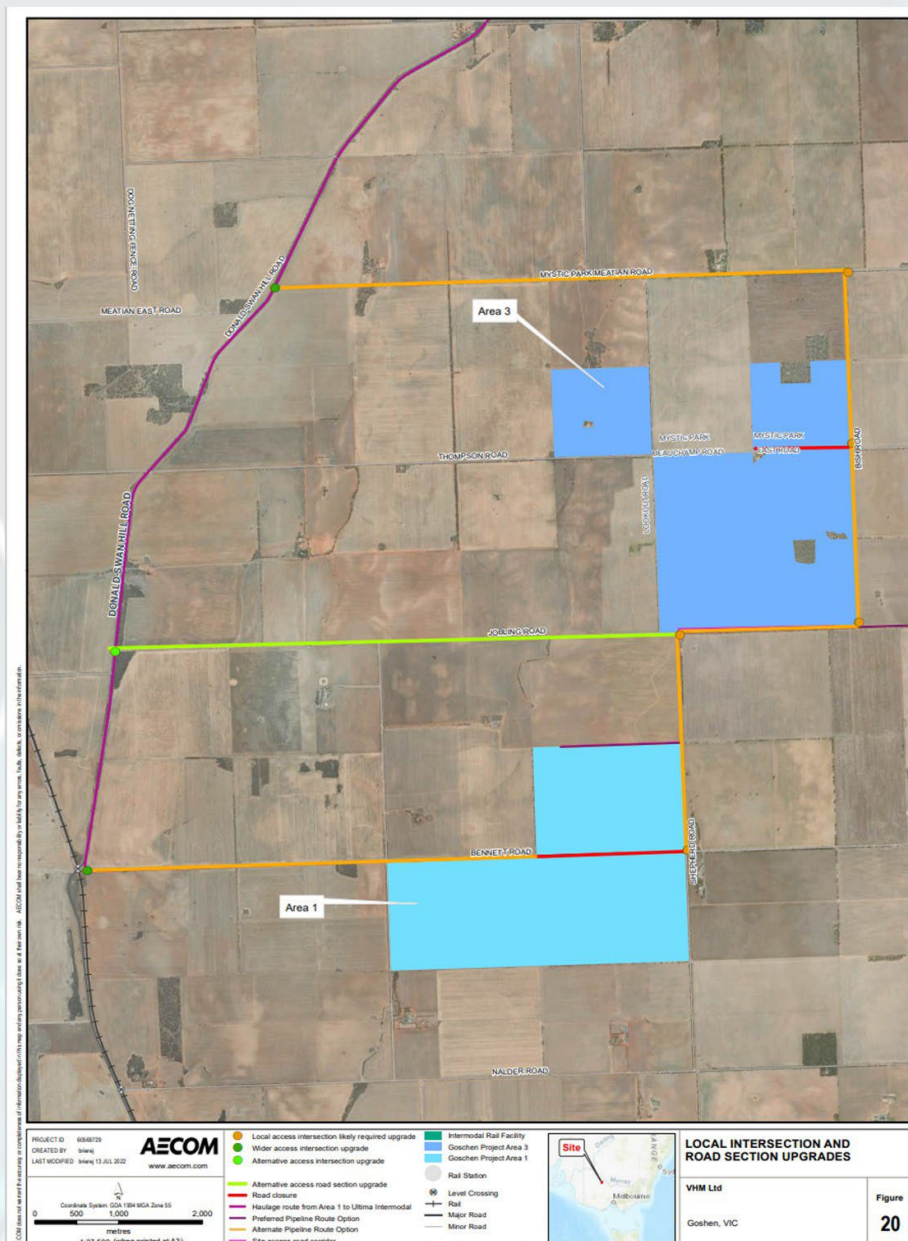


How traffic and transport impacts can be managed

A Traffic Management Plan has been developed with the key focus areas:

- Mid-block and intersection capacity – analysis of anticipated traffic flows and road capacity.
- B-double vehicle routes have been established based on restrictions of the study area roads and will have the least impact on regular road users.
- Site access and identified roads will be upgraded to ensure site access points and intersections provide safe access and egress for vehicles.
- Road closures will be managed via detours and traffic management measures. No delays to public transport services are expected, and access to local properties will be maintained.



Impact assessment study findings

During construction, potential impacts on the transport network include temporary road closures; increased traffic delays; wear and tear to road surfaces due to heavy vehicles; and impeded access.

Access roads will require minor section and/or intersection upgrades including road and shoulder widening, widening intersections, and potentially speed limit changes where visibility is limited.

The key local and arterial roads have spare capacity. During operations, haulage and delivery truck movements are not expected to be impeded due to the relatively low traffic volumes.

It is expected A-double vehicles will be used for haulage of product from Area 1 to the QUBE Ultima intermodal terminal. Approval to operate A-doubles will be sought from the Department of Transport and/or Swan Hill Rural Council and Gannawarra Shire Council, depending on the asset owner.

Road and intersection improvements will be required to ensure the safe movement of materials, especially bi-directional movements of large vehicles.

Road closures – parts of Shepherd Road, Thompson Road and Bennett Road are expected to be closed for up to 12 years.

The Traffic Management Plan will include controls and detours for local traffic, with moderate delays to motorists expected but access to properties not impacted.

Traffic aspect	Impacts	Affected users
Traffic generation and road capacity	Minor to negligible delays on the road network	Experienced by local road users during the operations period
Operations route assessments	Potential minor travel time delays due to lowered speed limits	If required to support heavy vehicle movements to and from the site. Experienced by local road users and would last for the duration of construction and operations
Site access and road section upgrades	Minor travel time delays due to detours and lowered speed limits	Experienced by road users in the vicinity of the proposed operations access points
Road and traffic lane closures	Bennett Road and Thompson Road closures Localised and short travel time increases to vehicles	Experienced by road users in the vicinity of the project area. However the intersection and road conditions improvements would make the current road network a safer road environment for all road users when compared to its existing conditions
Road condition and maintenance	No impact	Any road damage would be identified and rectified early through regular monitoring and stakeholder communication during the life of the project and as part of the final closure plan