

Queensland Train Manufacturing Program

Torbanlea train manufacturing facility – December 2023
design update



Concept only - not final design



Project update

The Queensland Train Manufacturing Program (QTMP) will build 65 new six-car passenger trains at a purpose-built manufacturing facility at Torbanlea, in the Maryborough region. As part of the program a new rail facility for train maintenance and stabling will also be constructed at Ormeau, in the Gold Coast region.

In June 2023, the Queensland Government awarded Downer the Design Build Maintain contract for QTMP. Since this time, Downer has commenced detailed design and onsite mobilisation activities.

Have your say

The Department of Transport and Main Roads (TMR) and Downer would like to hear from the community to understand key community values and feedback on the design.

Community feedback will be integrated into the final design where possible. We would welcome your feedback and suggestions on topics such as:

- on-site landscaping
- urban design opportunities, such as fencing and facade treatments
- managing and minimising community impacts.

The facility location, rail track design, and site access point are out of scope for feedback, as they relate to site safety, security and productivity.

The feedback period opens Monday 4 December 2023 and will close Saturday 2 March 2024. This time accounts for the festive season and school holiday period.

There will be opportunities to provide feedback by talking to the team in-person at community information sessions to be held in early 2024, completing an online feedback form and via regular methods including email and phone.

More information is available on our web page at tmr.qld.gov.au/trainmanufacturing

Timeline

The following timeline provides an overview of key milestones* for the Torbanlea train manufacturing facility.



Early 2024

Site establishment works scheduled to be completed

Bruce Highway site access works scheduled to be completed

Ritchie Road upgrade scheduled to be completed



Mid 2024

Major construction of the train manufacturing facility scheduled to commence



Late 2025

Major construction of the train manufacturing facility scheduled to be completed

Works to connect the train manufacturing facility to the North Coast rail line scheduled to be completed

Train manufacturing scheduled to commence



Late 2026

The first train is anticipated to be manufactured and begin testing



Early 2032

Manufacturing of 65 six-car trains is scheduled to be completed

***Dates are weather dependent and are indicative only.**

Location

The 130-hectare site in Torbanlea was selected for its:

- proximity to the existing rail line and Bruce Highway
- relatively flat landscape
- property size and the proximity to local goods and services.



*Manufacturing and administration building viewed from the east.
Concept only - not final design.*

The facility

The train manufacturing facility will include:

- workshop and sheds
- train tracks within the facility site
- offices
- car parks for workers and visitors
- site access from the Bruce Highway
- a secondary access from Ritchie Road.

During construction, workers will have access to on-site parking and office facilities. All materials will be stored within the site boundaries.

Heavy vehicles will use a new access off the Bruce Highway to enter and exit the site. This will help minimise the number of trucks accessing the facility via Ritchie Road. Ritchie Road will be used by workers travelling to site (primarily light vehicles) during the life of the project.

The project is committed to ensuring that the facility operates in an environmentally sustainable manner and includes initiatives such as solar panels, on-site water treatment and rainwater re-use to reduce the project's carbon footprint.

The main building has a floor plan of 30,650m².
The same size as



will be laid within the facility to support movement and testing of trains.

4700 tonnes of steel is required to build the facility which is equivalent to



worth of fill will be used across the site, with 160,000m³ of imported fill & 116,000m³ of material will be reused as fill.

Managing operational impacts

To support the manufacturing of the 65 six-car trains in Torbanlea, the facility will operate up to 24-hours a day, seven days a week. This operational schedule enables the efficient completion of works on the train bodies, as well as undertaking safety testing on the internal commissioning track.

Staff

When the Torbanlea train manufacturing facility is operational, it is anticipated that there will be up to 300 staff working on the site daily. Staff will be a mixture of manufacturing workers, office staff and test drivers. This is in addition to construction jobs that will be created in building the facility.

Staff will be working on a shift roster and will enter and exit site at varying times throughout the day and night. Where possible, deliveries will be made during normal work hours.

Operational noise

Operational noise from the manufacturing facility is anticipated to be minimal, due to its location and use of an acoustic shed. The majority of works will be undertaken in the shed. However, noise may be generated during some activities, including:

- grinding and welding
- reverse squawkers while plant is moving around site
- trains moving along the internal commissioning track and onto the main train network
- vehicles entering and leaving the facility via Ritchie Road, primarily during the peak hours of shift starts and finishes

- some wheel squeal when trains move over curved section of the track
- trains sounding their horns as they move around the site - this is a safety requirement.

The project is required to undertake pre and post construction noise modelling, to ensure that the project is adhering to the *Environmental Protection Act 1994*. As part of this commitment, the project will undertake additional noise monitoring, once the site is operational, to ensure impacts to the local community are minimised.

Lighting

Lighting will be required around the clock at the Torbanlea train manufacturing facility, to ensure worker safety and site security.

It is anticipated that lighting will be no brighter than what would be expected in a local park or community space at night. Lighting will be directed away from residential properties and shrouding will be provided, where appropriate.

Contact us

Find out more online at www.tmr.qld.gov.au/trainmanufacturing

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**Monday to Friday 6.30am to 7.30pm and Saturday from 7am to 1pm. Free call from anywhere in Australia, call charges may apply for mobile phones and payphones. Check with your service provider for call costs.*

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