

Tonkin Gap Project and Associated Works



Fact Sheet – Malaga footbridge early design

A new footbridge is being built in Malaga by the Tonkin Gap Alliance. The footbridge will help provide safe access for pedestrians and cyclists from the residential areas to the west, to Whiteman Park, and to Malaga Station, when the Morley-Ellenbrook Line is in operation.

Please note the information provided is preliminary.

Where will the footbridge be located?

The footbridge will be located about 750 metres north of Marshall Road.

Why is access needed over the Tonkin Highway at this location?

Feedback from a community survey in 2021 indicated that people wanted to be able to walk and cycle to the future station. People also wanted better connectivity from Ballajura through to Whiteman Park.

How will users access the footbridge?

Access will be via the principal shared path (PSP) on the western side of Tonkin Highway, close to Premier Place. On the eastern side, stair access will also be provided to minimise walking distances when users approach from the south. On the eastern side, the ramp will link into the future station precinct.

What are the dimensions of the footbridge?

Early design indicates the footbridge walkway level to be around 6.5 metres above the ground level at the highest point, where it crosses Tonkin Highway.

The main bridge is a straight steel truss spanning approximately 75 metres across the highway.

There will be 4.6 metres between handrails on either side of the bridge and ramps. The western ramp will be about 250 metres long, and the eastern ramp will be 370 metres long to connect to the future Malaga Station. Both ramps will make provision for landings at set intervals to ensure access is suitable for all users.

Will footbridge users be able to see into my property?

The bridge and ramps will be screened, where adjacent to properties for privacy, and to prevent users throwing materials onto the road or into adjacent properties.

How is security and crime prevention considered in the design of the footbridge?

Crime Prevention Through Environmental Design (CPTED) principles have been at the forefront of the design development and incorporated in the current design concept. Screening will be carefully located to increase line of sight to avoid creating 'dead spots'. Passive surveillance has been maximised through geometric considerations of both the eastern and western ramps and where possible will be enhanced through the design of the screening.

Will the footbridge provide for mobility requirements?

The footbridge, including the ramps will comply with access and mobility standards.

When will the footbridge design be finalised?

It is anticipated the footbridge design will be finalised by mid-2023 with construction completed in early 2024.

Will there be clearing needed to construct the footbridge?

Clearing of trees and vegetation will be limited. Of the site options explored, this location had the advantage of minimising any impact on the threatened ecological community (banksia woodlands) on the eastern side of the highway.

The areas on the eastern side of the highway falls within an area currently approved for clearing as part of the Malaga Station works.

How will the footbridge be constructed, and will I notice the works?

The steel structure will largely be constructed offsite and then transported onto site to be installed by large cranes onto concrete footings and piers. There will be a local government-approved construction noise and vibration management plan.

Will Tonkin Highway or any local roads need to be shut for this work to occur?

There may need to be limited closures (weekend) to allow for the bridge decks to be lifted into place. However, this is subject to change as the construction methodologies have not been determined.

Will the PSP be impacted by the construction of the footbridge?

There may need to be temporary closures, but these details are yet to be finalised.

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What is Tonkin Gap Project and Associated Works?

Jointly funded by the Federal Government (\$232 million) and State Government (\$58 million), the Tonkin Gap Project is part of a suite of improvements to transform the Tonkin Highway corridor, providing a high standard north-south transport link from Muchea down to Mundijong.

The Tonkin Gap Alliance has been appointed to undertake detailed design and construction for the Tonkin Gap Project and rail-enabling works for METRONET's Morley-Ellenbrook Line.

For more information on Tonkin Gap

W: <https://www.mainroads.wa.gov.au/tonkin-gap/>

E: enquiries@mainroads.wa.gov.au

T: 138 138 (24 hours)

FB: <https://www.facebook.com/groups/tonkingap/>

For more information on the Morley-Ellenbrook Line

W: www.metronet.wa.gov.au

E: info@metronet.wa.gov.au

T: 08 9326 3666

FB: <https://www.facebook.com/groups/morley.ellenbrook>