

Smart Freeway Mitchell Southbound: Hester Avenue to Warwick Road

Mitchell Freeway Southbound: Noise Wall Installation Works

As part of the Smart Freeway Mitchell Southbound: Hester Avenue to Warwick Road project, more than five kilometres of noise walls will be installed adjacent to the Mitchell Freeway and residential areas, to reduce traffic noise and provide privacy screening for residents.

The project has reached a significant milestone with the noise wall installation program to get underway on the project in the coming weeks. These works will progress through to early 2024.

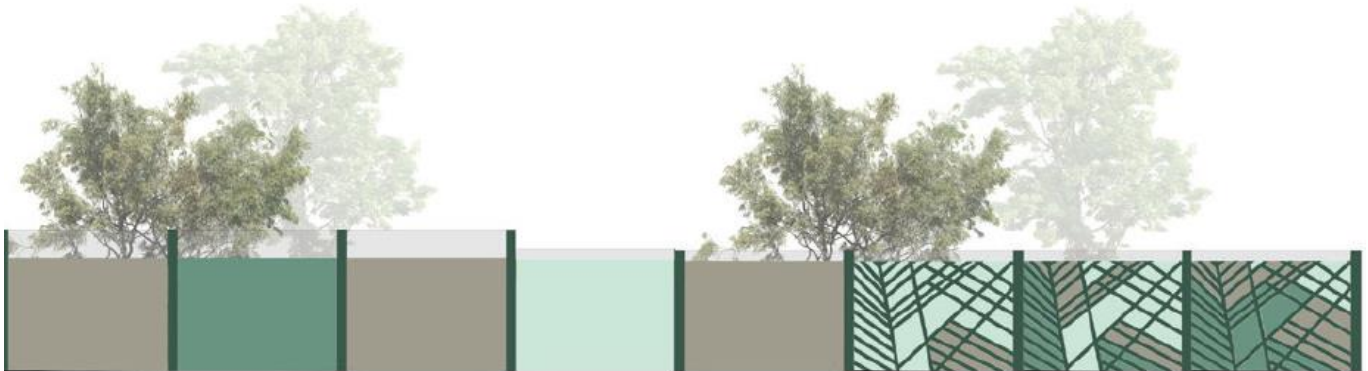
Earth works and enabling works to facilitate noise wall installation will continue to work hand-in-hand with this program.

What will the noise walls look like?

The noise walls will be constructed from concrete panels and steel posts. Similar noise walls have been constructed along Mitchell Freeway southbound closer to Perth.

The colours and relief pattern design of the noise walls facing Mitchell Freeway southbound have been selected from Macrozamia leaves and surrounding vegetation. The structural form of the leaves have inspired the noise wall pattern.

An artist impression of the post and panel style noise wall, with the Micozamia leaf pattern is included below.



What can I expect from construction?

Where possible, the installation program will aim to complete one area at a time. Most of this work will be undertaken during normal construction hours, between 7am and 7pm Monday to Saturday.

Occasional noise and vibration should be expected. Real-time monitoring equipment will be installed to monitor works.

Consultation with residents directly impacted by noise wall installation has already started and will continue throughout this process. Advance notification will be provided of any works expected to impact residential access points.

How high will the noise walls be?

The height of the noise walls will start at 2.4m and will vary along the alignment depending on the distance between residential properties and the freeway, and the location of properties in relation to the level of the road.

Typically, noise walls higher than 2.7 metres on property boundaries will be topped with tinted acrylic panels to allow natural light through.

To provide the most effective noise mitigation, the walls will be installed between the freeway and residential properties. In some locations, noise walls will be combined with retaining walls to support new sections of Principal Shared Path (PSP) being constructed along the alignment.

What is the noise wall installation process?

The following steps are involved in the noise wall installation process:

1. Preparatory earth works will continue and be ongoing
2. Pile foundations will be bored
3. Steel posts will be erected onto the pile foundations
4. precast concrete panels and acrylic panels will be lifted into position between the steel posts
5. noise walls posts and panels will be painted.

(Note – this may be subject to change as construction progresses.)

Staying Safe During Noise Wall Construction

Noise wall installation requires the use of cranes and other equipment. Our team are experienced in these works and have a specialised and detailed construction methodology.

Whilst majority of the noise walls will be installed from within the construction site, some locations will require access from local roads to safely install the post and panels. If we need to limit local road access, we will provide advance notification to impacted residents.

Whilst our construction methodology will adhere to the relevant health and safety processes, we ask residents to be mindful of these specialist works, and to maintain a safe distance at all times. This is especially important for safety of all members of your family, including young children and pets.

Further information

Call our 24/7 customer information centre on 138 138 or email enquiries@mainroads.wa.gov.au.

Register for updates

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