

Noise walls

Installation of footings for the noise wall along Twickenham Drive, between St Johns Court and Drayton Green Way, are almost complete with 130 of 177 footings installed.

Footings for the noise wall along Twickenham Drive, between Drayton Green Way and Westham Court, are due to commence in early March.

Noise wall footings are required every four metres and constructed using an augur (corkscrew) drill. The drilled holes are filled with a steel reinforced cage and concrete. Installation of the posts and panels for the noise walls will begin in coming months.

As part of noise wall construction, a limestone access track will be built to provide a stable base for the required plant and equipment. In some areas this track will be close to homes and plant will be seen from properties.

Vegetation removal

During March, contractors will continue to work within the Mitchell Freeway southbound road reserve, to undertake some vegetation clearing and tidying works.

Contractors will work at the following locations:

- **Twickenham Drive to Hepburn Avenue** (behind or opposite homes from Westham Court to Hepburn Avenue)
- **Hepburn Avenue** - east and west of the freeway (minor clearing required for installation of infrastructure for signage).

Vegetation clearing has already begun in some of these areas; however some trees may still be removed due to their poor condition or location close to the future noise wall and Principal Shared Path. Works will also include removal of dead wood, weeding, and pruning of trees and shrubs.

Works will be conducted in accordance with environmental approvals obtained from the relevant authorities.

The removed vegetation will be reused in either a children's playground, to support local craftsmen or mulched and stored offsite. Mulched vegetation will be used in the landscaping process.

The works will take place during the day and involve the use of chainsaws, excavators, and mulching equipment.

Drainage

During late February, drainage work will commence along the Whitfords Avenue southbound on-ramp and near the Hepburn Avenue southbound off-ramp, where future signage and a retaining wall will be built.

Managing impacts

While every effort will be made to minimise impacts, nearby residents may experience some noise, dust, and vibration given the type of works required.

The majority of works will be completed during normal construction hours, Monday to Saturday from 7am to 7pm. Residents will be notified in advance of any works required outside of these hours.

All works will be undertaken in accordance with the Environmental Protection (Noise) Regulations 1997.

Residents may feel intermittent vibrations from construction activities.

A Vibration Management Plan is in place and is used to regulate and manage vibration generated by the construction activities.

Water trucks are used daily to manage dust along the project alignment. Dust may be visible while dirt is excavated or on particularly windy days - water sprayer usage is increased in such situations. Dust monitors are set up along the alignment to ensure we remain under regulatory levels.

Mesh is also on fencing to assist with dust mitigation. There were some areas where the mesh needed to be removed due to strong winds. In these areas the fencing will be reinforced, and the mesh replaced in upcoming weeks.

FURTHER INFORMATION

Our 24/7 project information line can be contact on 138 138 or email enquiries@mainroads.wa.gov.au.

To stay up to date on progress and traffic changes, you can subscribe to regular updates www.mainroads.wa.gov.au/projects-initiatives, search for Smart Freeway Mitchell Southbound and click **SUBSCRIBE**

Construction update

March 2023

Smart Freeway Mitchell Southbound: Hester Avenue to Warwick Road



Construction update - Whitfords Avenue to Hepburn Avenue

Design for noise walls and Principal Shared Path

The designs for the noise walls and PSP have progressed, with changes made in an effort to minimise the removal of vegetation where possible.

An example of the designs between Whitfords Avenue and Hepburn Avenue is overleaf. Maps showing the whole of the project alignment are available via www.mainroads.wa.gov.au/smart-freeways.

NIGHT WORKS - service locating and directional drilling

A series of night works are planned in February and March to support the Intelligent Transport System.

Service locating and directional drilling for conduit installation are planned **from 7pm to 5am** at various locations near Mitchell Freeway interchanges.

Service locating underway until Friday 10 March

- Whitfords Avenue –both southbound ramps
- Hepburn Avenue – east and west of Freeway interchange, and both southbound ramps

Directional drilling underway until Friday 31 March

- Whitfords Avenue – Freeway interchange and southbound off-ramp
- Hepburn Avenue – east of Freeway interchange and southbound off-ramp

NIGHT WORKS – Mitchell Freeway resurfacing

Resurfacing works are required along the left and middle lanes of Mitchell Freeway southbound between Ocean Reef Road to Reid Highway.

The night works will be staged in two-kilometre lengths over the next four months. Each stage will include removal of barriers, profiling, then asphaltting.

The first stage between Ocean Reef Road and Whitfords Avenue has been completed.

The second and third stages will be from **Whitfords Avenue to Hepburn Avenue**.

These works began on Wednesday 1 March and will continue until **Friday 24 March, from 7pm to 5am**.

Each stage will include temporary removal of road barriers, removal of existing road pavement, and the application of new asphalt.

Given the type of works and equipment required, nearby residents may experience some construction noise and vibration.

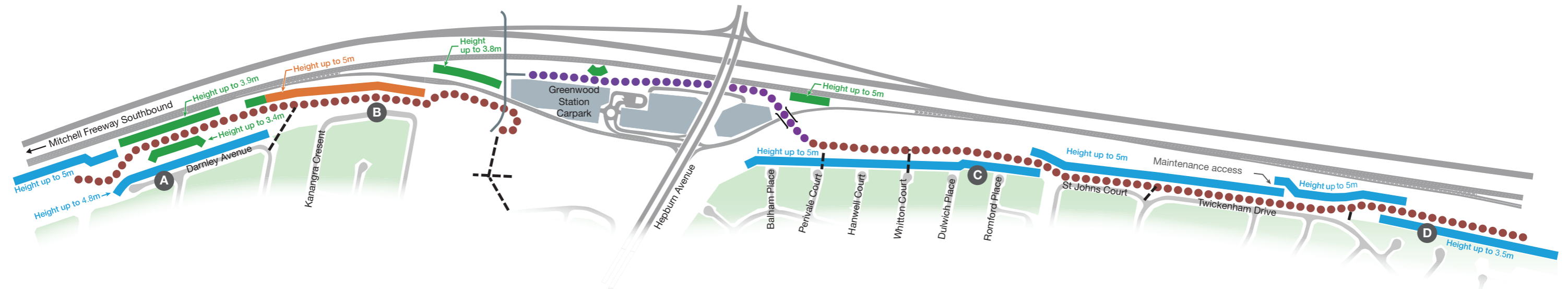
Work needs to be undertaken at night for the safety of workers and road users, and to avoid disruption to day-time traffic flows.

All works will be undertaken in accordance with the Environmental Protection (Noise) Regulations 1997.

Smart Freeway Mitchell Southbound - Hester Avenue to Warwick Road

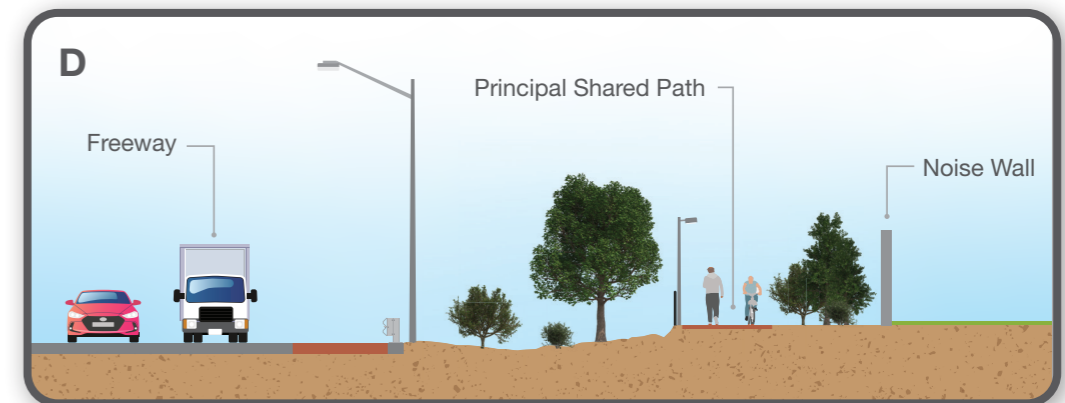
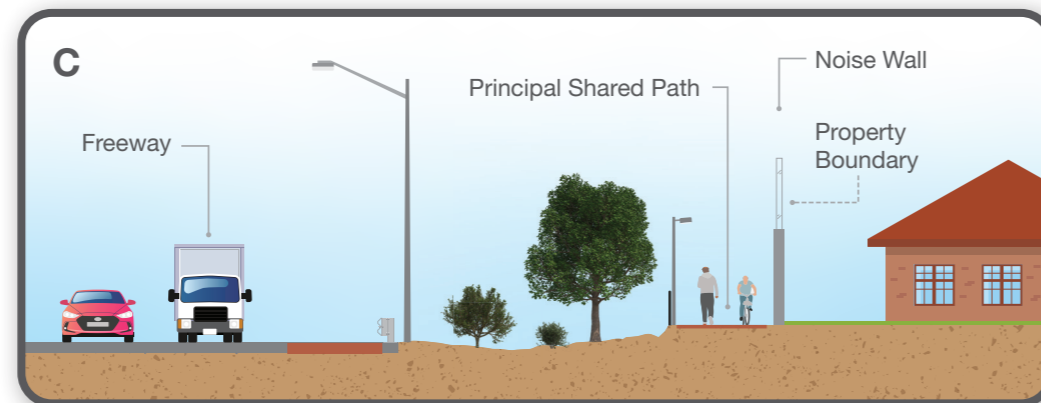
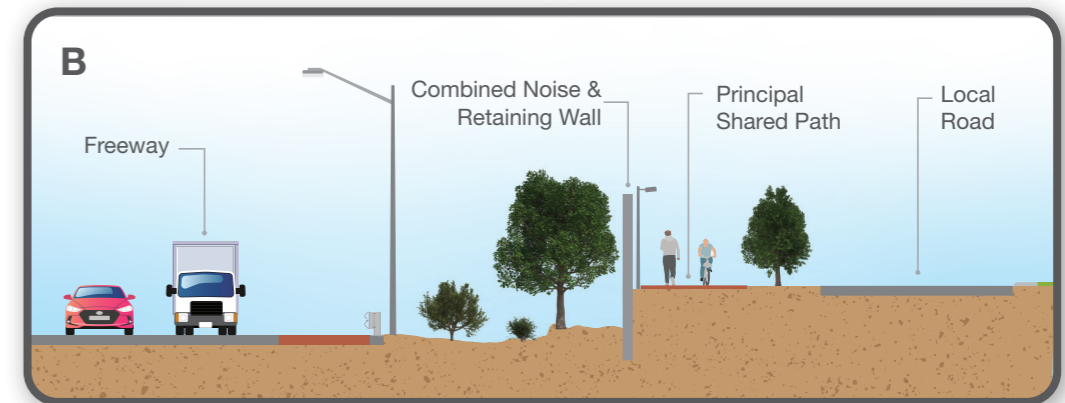
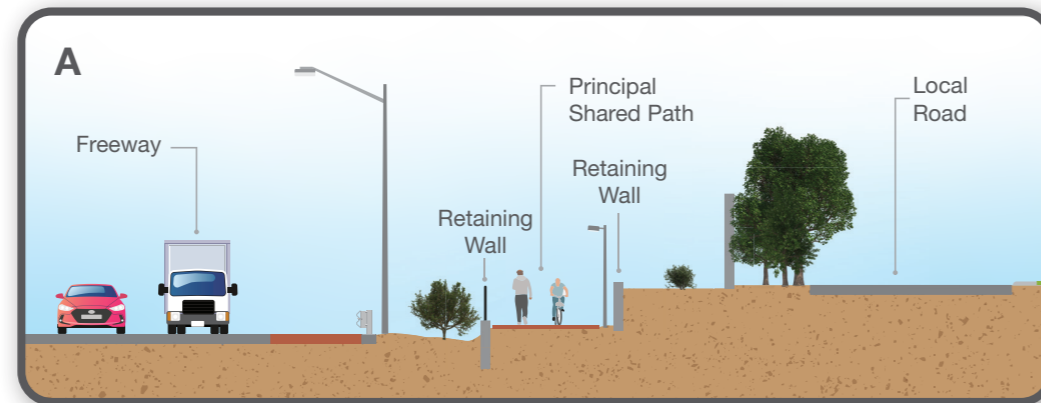
Noise walls and Principal Shared Path

Section 2 - Darnley Avenue, Greenwood to Twickenham Drive, Kingsley



Legend

- Freeway/roads
- Residential lots
- Noise wall
- Retaining wall
- Combined noise and retaining wall
- Principal Shared Path
- Existing Principal Shared Path
- Link to new / existing path



Retaining wall heights are from the lowest ground level.
Noise wall, and combined noise and retaining wall heights are from the Principal Shared Path.
Illustrative purposes only.