CONSTRUCTION IMPACTS

INFORMATION SHEET

Australian Government

BUILDING OUR FUTURE

mainroads WESTERN AUSTRALIA

Smart Freeway - Mitchell Southbound Hester Avenue to Warwick Road

The Smart Freeway Mitchell Southbound - Hester Avenue to Warwick Road Project is a significant freeway widening and enhancement project, and while construction impacts to the local community will be minimised as much as possible, some disruption will be experienced.

Managing construction impacts

The focus is on keeping local residents, businesses and road users informed about upcoming construction activities and inviting you to share your feedback to help us improve.

Noise, dust, and vibration may be noticeable to those living or working nearby.

Construction activities required include earthworks, compaction and the construction of the Principal Shared Path and freeway lanes.

Lay down areas/site depots including satellite offices, and plant and machinery parking areas, will be located within the project site and adjacent commercial / industrial areas.

We will keep residents and businesses informed about upcoming construction activities, and all works will be undertaken in accordance with the project's approved management plans:

- Construction Environmental Management Plan
- Noise and Vibration Management Plan
- Traffic Management Plan
- Community Engagement Management Plan

Standard construction hours are from 7am-7pm, Monday to Saturday.

Some after-hours works are required, including at night, to avoid disruption to road or rail operations, or for the safety of the workforce and public. All after-hours works require approval from the local government authority, and residents and businesses will be provided notice prior to works starting.

How are noise impacts being managed?

While every effort will be made to reduce noise impacts where possible, there will be some level of noise due to the various activities and equipment used during construction works.

A range of control measures are being put in place to minimise noise disturbance including:

- ensuring equipment is well-maintained to reduce noise emissions
- using vehicles fitted with a low-noise reversing croaker, instead of beepers, where possible
- reducing the number of vehicle movements through careful planning, scheduling noisy works at less-sensitive hours, and notifying residents of after-hours works or particularly noisy works
- using the quietest equipment available.

How are vibrations being managed?

We will aim to keep vibration to a minimum and work within the limits set by the Australian Standards for construction vibration. However,

nearby residents and businesses are likely to feel some vibrations from the construction activities.

Low levels of vibration can cause glass and ceramics to vibrate, windows to shake and external screens to rattle.

Some measures being implemented for the project include:

- undertaking a vibration impact assessment and implementing vibration monitoring
- operating equipment on the lowest effective vibration setting
- maintaining low speed limits for construction trucks and machinery
- maintaining equipment
- selecting appropriate machinery and equipment
- considering alternative construction methodologies where possible
- notifying residents about activities with excessive vibration and the works duration

Although vibration may be unsettling, property owners can be assured that as the limits set by the Australian Standards are well below those capable of causing structural damage, we do not expect property damage as a result of construction works.

Before starting major construction, an independent building inspection company will offer a pre-condition survey to any home or business owners within 100m of the project site.

If an owner believes damage has occurred to their property as a direct result of construction, they should contact us immediately on the contact number or email address under 'Further Information'.

How is air quality and dust being managed?

The main dust sources from construction are likely to be excavation and loading of excavated material into trucks, heavy vehicle movement on unsealed areas and wind erosion on exposed surfaces.

To help minimise the impact of dust, a range of measures are being implemented, including:

- utilising water trucks and water sprays to suppress dust
- careful selection of machinery
- limiting on-site vehicle speeds
- monitoring environmental factors influencing dust, including wind levels
- postponing dust producing activities during high winds
- regular surveillance and responding to feedback from residents and businesses
- applying dust suppression crusting agents to stockpiles and areas that will not be accessed for long periods of time to stabilise surfaces

As part of road construction, a road sealing product is used to bind the road base material (aggregate) together and assist in enhancing the roads long term durability and performance. This product is not harmful to health but can smell like diesel when being laid on the road, as an active ingredient is kerosene. If wind levels are low, the smell may linger. The team will apply as little as possible to minimise potential discomfort.

Further information

If you would like further information, have any questions or concerns, you can:

Phone: 138 138 or

Email: enquiries@mainroads.wa.gov. au

You can also subscribe to receive regular updates directly to your inbox by registering your email on the project's webpage: https://www.mainroads.wa.gov.au/smart-freeways