GatewayWA

Factsheet

GATEWAY WA PERTH AIRPORT AND FREIGHT ACCESS PROJECT

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Noise / Amenity Walls, Roe Highway, High Wycombe

On behalf of the State Government, Gateway WA is constructing noise / amenity walls along the western side of Roe Highway in High Wycombe to mitigate traffic noise and provide privacy screening for local residents.

WHERE WILL THE NOISE / AMENITY WALLS BE LOCATED?

The noise / amenity walls will stretch approximately 2.6 kilometres from just north of Poison Gully in the south to Buttercup Crescent in the north, along the western side of Roe Highway.

There will be openings in the wall for road access at Kalamunda and Maida Vale Roads and pedestrian / cyclist access just south of Kalamunda Road. The design of the walls at these locations takes into account these openings to ensure adjacent properties are provided with the same level of noise mitigation as if the openings were not present.

The majority of the walls will be installed closely abutting property boundaries; however the walls and footings will always be located within the road reserve.

There will be two sections of walls that will be installed offset from the adjacent property boundary due to the level difference between the road reserve and properties and the existing retaining wall which will remain in place.

WHEN WILL THE NOISE / AMENITY WALLS BE INSTALLED?

Gateway WA expects to commence site establishment works in April 2014, with the construction of the walls to start soon after.

The walls will be progressively installed from south to north, with all walls expected to be completed by late 2014.

Noise / amenity walls will be constructed along the western side of Roe Highway

HOW HIGH WILL THE NOISE / AMENITY WALLS BE?

The exposed heights of the walls from the residential side will vary between approximately 2.4 and 4.6 metres. A minimum of 200 millimetres of the wall will be embedded in the ground.

HOW DO THE WALLS REDUCE TRAFFIC NOISE?

By positioning the walls between the highway and residential properties, the sound waves emanating from the traffic are forced to diffract around the edges of the walls, reducing the direct sound pressure. Noise modelling has been undertaken by an independent acoustic consultant to inform the design and height of the noise / amenity walls.

WILL THE WALLS SCREEN RESIDENTS' VIEW OF THE TRAFFIC?

The walls have been designed to reduce the visual impact for adjacent properties of vehicles travelling on Roe Highway. The design has been informed by a visual assessment from the rear building face of a selection of properties along the alignment.

WHAT WILL THE NOISE / AMENITY WALLS LOOK LIKE?

The walls will be constructed of concrete panels and steel posts.

Concrete panels were selected following the review of a number of products due to their ability to deflect noise, high durability and low maintenance properties.

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The noise / amenity walls will mitigate traffic noise and provide privacy screening for local residents

The noise / amenity walls will be a neutral tone on the residential and highway side, which will be achieved through the adding of a colour pigment during the fabrication of the concrete panel.

A colour pigment has been selected for the finish of the walls for the following reasons:

- To reduce maintenance requirements of the wall, compared to a painted finish, as the colour is impregnated through the panel.
- To reduce access required to the property during construction, therefore minimising impact on the property and delivering the noise and screening benefits sooner.

The highway side of the noise / amenity wall will also be finished with clear anti-graffiti paint.

The steel posts on the residential side will be painted to complement the concrete panel. The painting of these posts will occur prior to installation to further reduce the impact on properties.

HOW WILL THE WALLS BE CONSTRUCTED?

The construction methodology for the noise / amenity walls depends on the positioning of the walls. In locations where the walls are being constructed abutting the boundary of a residential property, the existing boundary fencing will be removed and replaced with the wall. In these cases, temporary fencing will be installed to ensure properties remain secure during the construction period.

Once the wall has been installed, the existing side boundary fences of the properties will be extended to connect to the wall and the additional area of the property side of the wall will be reinstated. This additional area is expected to be approximately 300 to 500 millimetres.

WILL TREES NEED TO BE REMOVED AS PART OF THE WALL CONSTRUCTION?

Gateway WA expects the removal of trees within approximately four metres of property boundaries will be required to provide sufficient working room for the walls to be constructed. In a few select locations, where there are minimal trees, the tree removal may be slightly more to allow turnaround and passing area for construction machinery.

Every effort is being made to minimise the removal of trees, including undertaking a survey in advance of construction to identify and save significant trees wherever possible. Tree removal activities are being closely monitored by the Alliance's Environmental Team.

Trees removed during the construction of the walls will not be replanted as this corridor is required for future maintenance of the walls and to act as a fire break.

WANT TO KNOW MORE?

Gateway WA is meeting with all property owners where a noise / amenity wall will be installed abutting their property boundary.

For further information or to schedule an appointment about the noise / amenity walls please contact the Gateway WA team directly.

Project Information Line: **1800 420 421** or email: **admin@gatewaywa.com.au**