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## Noise mitigation at Airport Link spoil handling facilities

To mitigate noise impacts to the surrounding community and achieve the objectives of the Co-ordinator General's conditions, the Airport Link project has four spoil handling facilities currently operating at the project's main tunnelling worksites at Bowen Hills, Truro Street, Kedron and Woolloowin.

Two additional facilities are also under construction at Kalinga Park and Nudgee Road to support the operation of the project's Tunnel Boring Machines (TBMs) which are due to start excavating in July.

All spoil handling facilities established on the project are custom-built according to their location and the particular spoil handling operation occurring at each site.

Factors taken into account when designing and building the facilities include whether it is located immediately adjacent to major arterial roads and motorways, (such as at Bowen Hills which is at the intersection of Lutwyche Road, Bowen Bridge Road, Clem 7 and ICB) or within residential areas (such as at Kalinga Park).

Another factor taken into account is whether the facility is designed to handle spoil from roadheader excavation or to support the operation of the TBMs.

Noise mitigation measures in place at the facilities include enclosed spoil sheds, noise walls, acoustic curtains, acoustic lining, ventilation and strict operating protocols.

For instance at Kedron, the enclosed spoil shed is further shielded by a 4 metre high noise barrier at the rear of the shed, a roller door is installed and on-site protocols have been adopted to ensure that only soft material is loaded into trucks inside the shed after 8.30pm.

Night time noise monitoring is conducted at a variety of locations across the project alignment on a daily basis, to reduce noise impacts for local residents and to achieve the noise goals set down by the Co-ordinator General.

Noise monitoring results undertaken at the front of a property in Gorman Street, Kedron demonstrate that the spoil handling facility in place at Kedron achieves the noise goals for the project with the loudest noises recorded being not from the worksite, but from private vehicles driving past and the activities of local residents in the street.

Members of the public are able to view the project's monthly environmental monitoring results via the project website at [www.brisconnections.com.au](http://www.brisconnections.com.au).

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