

BRISCONNECTIONS

airportlink
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WINDSOR TO KEDRON

airport roundabout upgrade

Tunnel Boring Machine Spoil Operation

To coincide with the launch of two Tunnel Boring Machines (TBMs) from the Kalinga Park West worksite during late July 2010, Thiess John Holland (TJH) will operate a spoil conveyor belt from the worksite to a purpose built spoil handling facility at Nudgee Road.

The spoil conveyor and handling facility will support the TBM operation 24 hours per day, seven days per week for approximately 12 months. Spoil will be hauled from the handling facility between 6.30am Monday to 6.30pm Saturday.

SPOIL CONVEYOR SYSTEM

The spoil conveyor belt is 1.8km long and will travel from the Kalinga Park West worksite at Toombul to the spoil handling facility at Nudgee Road, Hendra.

A number of controls will be in place to reduce dust generated from the spoil conveyor belt. These include:

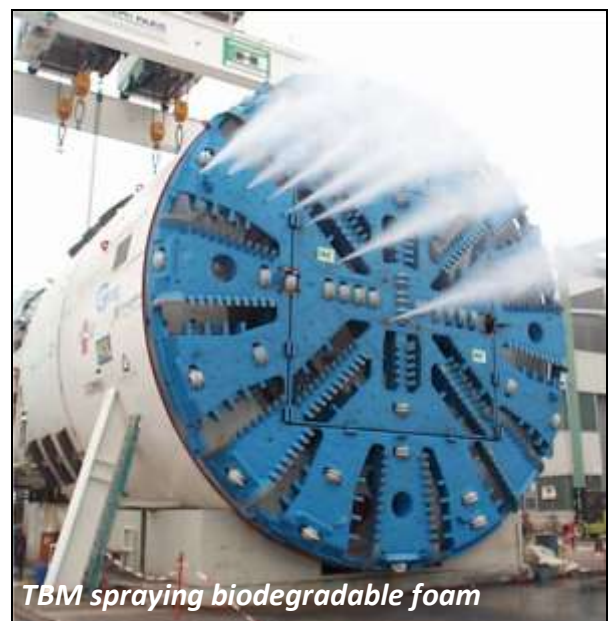
- a steel dome shroud to partially cover the conveyor belt
- operation of belt scrapers to clean the return belts
- operation of a belt wash and scraper at the spoil handling facility.

Extensive noise assessment of the spoil conveyor belt has been undertaken to ensure noise is minimised to within the project's goals which have been determined by the Queensland Government's Coordinator General.

Dedicated crews will maintain the spoil conveyor belt throughout its 24 hour operation. This will include the use of light vehicles and elevated work platforms along the haul road.

Did you know..... the Tunnel Boring Machines spray biodegradable foam into the excavation face to moisten the dirt and rock?

This foam conditions the excavated material to reduce wear and assist with the maintenance of the TBMs. It also adds moisture to the excavated material reducing dust impacts when being transported along the spoil conveyor belt.



TBM spraying biodegradable foam

SPOIL HANDLING FACILITY

The stockpiling and loading of TBM spoil will occur inside a purpose-built shed to ensure dust and noise from this operation is minimised. Spoil haulage trucks will travel along a concrete road and barriers will be in place to delineate the spoil haulage route and stockpiling area within the shed. This area will also be swept regularly.

To help keep local roads clean, spoil haulage trucks will be required to:

- be inspected for excess material
- cover their loads prior to exiting the site
- pass through a wheel wash to ensure loose material is removed from tyres.

Street sweepers will also operate on a regular basis to ensure the roads are clean.

SPOIL HAULAGE ROUTES

Spoil haulage trucks will enter and exit the spoil handling facility via Nudgee Road and will use Nudgee Road northbound to access the Gateway Motorway via Toombul Road. The use of the route to access the Gateway Motorway takes into consideration traffic flow, road capacity and operational constraints such as lane closures and construction activities associated with the Airport Roundabout Upgrade, as per the approved traffic plan.

Thiess John Holland is aware of Nudgee Road residents' concerns about the use of this road by spoil haulage trucks. As the road is an arterial road carrying approximately 500 vehicles per hour, it has been approved for use by the relevant road authorities and meets the requirements of the Coordinator General for spoil management by utilising the highest road classification via the most direct route.

MONITORING

TJH will undertake regular noise and dust monitoring throughout the spoil conveyor operation. The results of this monitoring will be available at

www.brisconnections.com.au.

TJH has processes in place, such as vehicle identification and a GPS system, to monitor and manage spoil haulage and also enable us to respond to community enquiries.



For further information about the projects:

W: www.brisconnections.com.au E: contactus@tjh.com.au
T: 24 Hour Community Hotline 1800 721 783 (freecall)