

Managing Construction

Noise, dust, vibration and other impacts

FACT SHEET JULY 2012

Construction activity on the Gold Coast Highway, Broadbeach



GoldLinQ is committed to minimising disruption during construction of Queensland's first light rail.

Noise, vibration, dust and other impacts will be monitored and managed by the GoldLinQ consortium's Design and Construction partners, McConnell Dowell (MacDow) and Bombardier Transportation, throughout construction of the Gold Coast light rail.

Noise

Noise can result from a range of activities and equipment used during construction and road works. Common sources of noise include heavy machinery, trucks, piling, power tools and mandatory reversing alarms on mobile equipment. Noise is measured using the decibel scale and the perceived level of noise may vary from person to person. The amount of noise on a construction site may vary at any given time depending on the activities being carried out.

Background noise monitoring was undertaken along the Stage One route to determine noise levels prior to the start of construction. Monitoring will continue during construction to ensure noise levels comply with relevant guidelines.



Vibration

Piling and other construction activities may result in vibrations in adjacent buildings. Vibration may be felt in nearby buildings. This is a common technique used in urban areas and if you feel vibration in your property due to construction activity there is no immediate cause for concern.

Properties identified as requiring a building condition assessment survey prior to the beginning of works have been contacted and offered a free-of-charge inspection by a qualified independent contractor.

Mitigating noise and vibration

GoldLinQ will apply a range of measures to reduce noise and vibration impacts including:

- Noise and vibration monitoring prior to construction, at regular intervals during construction and at the start of noise or vibration intensive activity.
- Keep the community informed. Notice will be provided prior to works commencing or when construction will occur outside of the normal hours of 6:30am to 6:30pm Monday to Saturday.
- Use machinery and equipment capable of producing the least impact while completing work efficiently and activity will be directed away from sensitive areas wherever possible.

Dust and other impacts

To maintain air quality a number of measures will be used to contain and reduce the amount of dust created from construction works.

These include the timely removal of excavated soil from site works, covering truck loads and using water-spraying trucks to suppress dust on roads when required. Water-spraying trucks will utilise treated and recycled water when possible.

Sediment run-off controls including silt-barriers (see image below) will be used to ensure topsoil and other material does not

Common Noise Levels



contaminate sensitive areas. Mulch from clearing will also be used to suppress dust and prevent run-off. During construction of the Gold Coast light rail there are several areas where odour could potentially be

released during construction. These include areas previously used as landfill sites or around water. Odour release is expected to be minimal and is unlikely to impact the community.



Silt-barriers and mulch on Parklands Drive, Southport

To keep up-to-date with the progress of Queensland's first light rail network and sign up for updates visit www.goldlinq.com.au or call the project hotline on 1800 967 377*.

*Free call within Australia. Call charges may apply from mobile phones and payphones.



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