Acoustic covers are being placed over the worksite to reduce noise

Acoustic covers to reduce noise at Crows Nest

Sydney Metro is Australia’s biggest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro City & Southwest extends the new metro network from the end of Sydney Metro Northwest at Chatswood, under Sydney Harbour, through the CBD, and west to Bankstown.

John Holland CPB Ghella (JHCPBG) is building the 15.5 kilometre long twin railway tunnels between Chatswood and Sydenham and excavating six new metro stations.

At Crows Nest, acoustic covers are being installed to reduce the noise impact of excavations on the surrounding community. The covers are made from COLORBOND® and have a thick layer of acoustic insulation. The installation of a 1,700 square metre cover is now complete on the part of the site south of Hume Street. Work to install a cover measuring 3,300 square metres at the northern end of the site is continuing.

Hume Street has been reopened so that general traffic can travel west between the Pacific Highway and Clarke Lane. The reopening follows completion of a road-level bridge structure which was built so excavation of the new station can continue underneath.

Traffic and pedestrian changes have been designed to keep construction and other traffic separate. They will remain in place until the excavation of the station is finished.

Support activities for tunnelling are continuing within the site, including installing ground anchors and spraying concrete on the walls of the excavated station area.

Three-month look ahead

<table>
<thead>
<tr>
<th>Activity (subject to change)</th>
<th>November</th>
<th>December</th>
<th>January</th>
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<td>Excavating the station area</td>
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<td>Installing ground anchors</td>
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<tr>
<td>Spraying concrete on the walls of the station area</td>
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<td>Installing acoustic covers</td>
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</table>
New arrangements for traffic around the Crows Nest Station site

Getting around Crows Nest

Hume Street was reopened on 29 September 2018 between the Pacific Highway and Clarke Lane, allowing drivers to travel in a westerly direction. The eastbound lane of Hume Street will be used by construction vehicles only. Trucks can now access the site by turning left from the southbound lane of the Pacific Highway. This new arrangement will help reduce construction traffic on Oxley and Clarke streets.

The Crows Nest village can be reached from the western side of Hume Street via Albany Street while Hume Street can be accessed from Clarke Street. At the Hume Street and Pacific Highway junction, traffic can turn left or right onto the highway or cross over it to access the western end of Hume Street.

Access to Clarke Lane north of Hume Street will remain via Oxley Street. Traffic using Clarke Lane south of Hume Street will be able to turn left or right onto Hume Street to access the Pacific Highway or Clarke Street.

A new wide footpath on the south side of Hume Street has been opened to pedestrians, giving easier access to the post boxes next to the Pacific Highway. The bus stop on the southbound lane of the Pacific Highway has been relocated about 90 metres to the north, closer to Oxley Street.

Thank you for following safety and directional signs while work is carried out on the new station.

Excavating the new station

More than one third of the new Crows Nest Station area has been excavated. Now that acoustic covers are being positioned over the construction area and new traffic measures are in place, the site is ready for the arrival of a specialist tunnelling machine known as a roadheader.

The roadheader will excavate two small tunnels at the northern end of the station area. The two tunnel boring machines, which will excavate the tunnels from Chatswood, will enter through these small tunnels when they arrive at the Crows Nest Station site.

A roadheader has a rotating cutterhead mounted on a boom. It uses tungsten-inserted steel picks to grind away the rock. The boom moves vertically and horizontally, allowing it to create structures of different shapes and sizes.

The project is targeting 100 per cent beneficial reuse of excavated material.

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If you need an interpreter, call TIS National on 131 450 and ask them to call 1800 171 386