

26 August 2016

Ref: N0118

Dear Resident,

## Night work: M1 Pacific Motorway southbound, Wahroonga

Further to our notification delivered in May, please be advised that night work will continue to complete the entrance and exit to the Northern Interchange Compound onto the M1 Pacific Motorway. It is expected this work will be completed on 16 September, 2016 weather permitting. The work is located on the M1 Motorway between the Pacific Highway and Pennant Hills Road, Wahroonga.

The project team will also start construction of the new two lane southbound road bridge to take traffic from the M1 Pacific Motorway to Pennant Hills Road.

### What are we doing?

There are two main work packages, with a number of activities associated with each. The first is to complete the entrance and exit into the site compound for spoil removal. The second is to construct a retaining wall barrier as part of construction of the new, two lane southbound road bridge that will take traffic from the M1 Motorway to Pennant Hills Road.

The work is broken up into a number of activities including; temporary retaining wall barrier construction, installing safety guardrails and concrete barriers, line marking of new lanes for traffic signals and pavement construction for the access and exit driveways into the site compound. Details on each activity are listed below.

### Temporary retaining wall construction

The temporary retaining wall barrier will assist in the construction of the new two lane southbound road bridge. This barrier wall will allow daytime construction of the road bridge.

Work includes creating 30 piles using a piling rig to support the wall.

Plant and equipment includes:

- Piling rig to bore piles
- 12 tonne excavator
- One 20 tonne crane
- Two concrete agitators on site at any one time
- Three concrete vibrators
- Jack hammers to trim the piles.

Return   
**local streets to  
local communities**

Up to   
**5,000 trucks per day**  
off Pennant Hills Road

Up to   
**15 mins**  
**travel time  
saving**

  
Deliver  
**improvements**  
to local **air quality**

Up to   
**21**  
traffic lights  
bypassed

**improve**   
the efficient movement of  
state and national freight

  
Better and more  
**reliable** trips  
for people, businesses and freight

### **Installation of safety guardrails and concrete barriers**

The team will install a safety guardrail, a crash cushion and 30 concrete barriers which will establish a safety zone for trucks exiting the site onto the M1 Motorway.

Plant and equipment for this work includes:

- An impact wrench to remove existing barriers
- A 25 tonne crane to lift the crash cushion into place
- A rotary hammer drill to connect the crash cushion to the pavement
- A pile driver to drive posts into the ground to support the guardrail and a vacuum truck to excavate post locations where they are near underground services
- Two semi-trailers to deliver the crash cushion and concrete barriers.

### **Line marking**

To maintain traffic flow on the M1 Motorway, the existing lane markings will be modified to accommodate the new truck access into the tunneling site including traffic signals. The team will first paint the new lines on the road and will then use a water blaster to remove the old lines.

Plant and equipment used for this work includes:

- A water blaster
- Paint truck
- Light towers.

### **Pavement construction**

The team will be completing the final pavement work to tie in the truck entrance and exit to the M1 Pacific Motorway.

Plant and equipment for this work includes:

- A tipper truck to deliver gravel to site
- A bobcat to spread gravel
- A 20 tonne excavator to place gravel
- A smooth drum roller to compact material
- An asphalt profiler to level the surface
- A tipper truck to place asphalt and a smooth drum roller to compact the asphalt.

When the new entry and exit is completed, trucks hauling spoil will operate from the northern end of the compound and will not use local roads.

### **Managing Noise**

You will experience some noise during some of these activities and we will make every effort to minimise impacts by:

- Turning off machinery when not in use

- Using non-tonal reversing beepers on all machinery
- Not working more than three nights a week and no more than two nights consecutively for noisy works
- Carrying out non noisy works on other nights of the week
- Consulting with directly affected residents.

**Traffic management**

There will be closures of the M1 southbound slow lanes between 9.30pm and 5am Sunday to Friday, as part of these works. Traffic management and signage will be in place to ensure the safety of motorists, residents and workers. Access for motorists will be maintained at all times.

We thank you for your patience, and if you have any questions or complaints, please don't hesitate to call us on **1800 997 057**, email **enquiries@northconnex.com.au** or visit the NorthConnex Community Information Centre at 118 Yarrara Road, Pennant Hills, open weekdays from 9am to 5pm.

Yours sincerely

**NorthConnex Project Team**



[www.northconnex.com.au](http://www.northconnex.com.au)



[enquiries@northconnex.com.au](mailto:enquiries@northconnex.com.au)



1800 997 057 (free call)



**Work Zone 1:** Temporary retaining wall construction.

**Work Zones 2 & 4:** Installation of safety guardrails and concrete barriers and pavement construction.

**Work Zone 3:** Line mark new lanes for traffic signals.