



Example of a typical road header

WestConnex's M4 East will extend the M4 Motorway with two new 5.5 kilometre tunnels from Homebush to Haberfield, providing a bypass of Parramatta Road and connection to the City West Link. WestConnex is part of Tomorrow's Sydney.

Tunnelling is a safe and commonly used construction technique and significantly reduces the impact on local properties. WestConnex would work to minimise the impact on the community during the construction of the M4 East tunnels. Strict safety requirements would be adhered to in the design, construction and operation of the tunnels.

## Tunnel construction

The majority of tunnels would be built in good quality Hawkesbury Sandstone, with short sections near the entry and exit points constructed in Ashfield shale. Road headers and blasting would be used to build the tunnels.

Road headers excavate the sandstone to create the tunnel crown. Blasting is a widely-used and efficient technique for excavating tunnels because it results in vibrations of a much shorter duration than other methods. This technique may be used to excavate the M4 East tunnel benches and cross passages, subject to more detailed design work.

Shafts, or access points, for excavation work would be established at:

- Underwood Road/Allen Street, Homebush.
- Concord Road, Concord.
- Cintra Park, Concord.
- Parramatta Road (near Northcote Street), Haberfield.

## Tomorrow's Sydney

In the next ten years, another million people will call Sydney home. The Australian and NSW governments are building the infrastructure to support Tomorrow's Sydney, which will deliver an integrated transport solution including public transport and critical road infrastructure.

WestConnex is one of the flagship projects in delivering Tomorrow's Sydney. WestConnex will widen and extend the M4 and M5 and join them together to form a continuous, free-flowing motorway with connections to the city, airport and port. WestConnex will provide relief to the hundreds of thousands of road users struggling in traffic every day and help return local streets to local residents.



**Easing  
congestion**



**Creating  
jobs**



**Connecting  
communities**

## Protecting property

Pre-condition building surveys would be carried out on properties and structures within 50 metres from the outer edge of the tunnels and within 50 metres of all surface work.

Residents would receive a letter in late 2015 if their property is directly above or within 50 metres of the tunnel, to explain the position and depth of the tunnel in relation to their property. Our project team would be available to answer any questions you may have.

In the unlikely event of any damage to your property as a result of tunnel construction or operation, residents would be eligible for compensation by the contractor, Leighton Samsung John Holland Joint Venture, the motorway operator or Roads and Maritime Services.

## Subsurface acquisition

If the tunnel passes directly beneath your property, Roads and Maritime Services would compulsorily acquire 'subsurface' land in order to create a path for the tunnel. The surface area and any dwellings or other structures on your land would not be affected by subsurface acquisition. Compensation is generally not payable for subsurface acquisitions.

## What to expect during construction

Tunnelling would take place 24 hours a day, seven days a week.

The impact on properties above the tunnel is expected to be minimal and temporary. In most cases, ground borne noise generated by vibration from tunnelling activities would be less than that of a refrigerator.

Vibration and noise levels would depend on ground conditions, building types, existing background noise levels and the quality of the existing building (older buildings were built to different standards than newer buildings). It also depends on how far away you are from the tunnel.

Residents could notice some vibration and noise impacts at night for a short period where activities are directly below their property or nearby.

Once the tunnel is complete, you would be unlikely to be able to hear or feel any vibration from vehicles using the motorway.

## Keeping the community informed

We are committed to keeping you informed and will provide regular information on the M4 East through direct mail and email notifications, community updates, advertising and other consultations.

You can also contact the WestConnex info line on 1300 660 248, email: [info@westconnex.com.au](mailto:info@westconnex.com.au) or visit [westconnex.com.au](http://westconnex.com.au) for more information.



## We speak your language

Learn more by visiting

[www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage)

to watch project videos in your language and read more about WestConnex. If you need an interpreter, call the Translating and Interpreting Service on **131 450**.

### Arabic

اعرف المزيد بزيارة الموقع [www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage) وذلك لمشاهدة الفيديوهات الخاصة بالمشروع باللغة العربية وقراءة المزيد عن وست كونكس. إذا كنت في حاجة إلى مترجم، اتصل بخدمة الترجمة الخطية والشفهية على الرقم **131 450**.

### Chinese

了解詳情請上網 [www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage) 觀看(普通話) 視頻, 並查閱有關WestConnex的更多訊息。如需要傳譯員請 撥電話傳譯服務 **131 450**

### Greek

Μάθετε περισσότερα επισκεπτόμενοι το [www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage) για να δείτε τα βίντεο του έργου στα ελληνικά και να διαβάσετε περισσότερα για το WestConnex. Εάν χρειάζεστε διερμηνεία, καλέστε την Υπηρεσία Μετάφρασης και Διερμηνείας στο **131 450**.

### Italian

Per saperne di più visiti il sito [www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage), dove potrai guardare i video del progetto in lingua italiana e trovare maggiori informazioni su WestConnex. Se hai bisogno di un interprete, contatti il Servizio di Traduzione ed Interpretariato (Translating and Interpreting Service) al numero **131 450**.

### Korean

[www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage) 를 방문하여한국어로 된 프로젝트 비디오를 보고 WestConnex 에 관해 읽고 배우세요. 통역이 필요하시면 번역 및 통역 서비스 **131 450** (TIS) 으로 전화하십시오.

### Hindi

इस वेबसाइट पर अधिक जानकारी पाएं: [www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage) व (हिन्दी) में इस परियोजना के बारे में वीडियो देखें और वेबसाइट के बारे में और अधिक सामग्री पढ़ें। यदि आपको दुभाषिया चाहिए तो अनुवाद व दुभाषिया सेवा को **131 450** पर फोन करें।

### Vietnamese

Hãy tìm hiểu thêm và viếng trang mạng [www.westconnex.com.au/yourlanguage](http://www.westconnex.com.au/yourlanguage) để xem phim ảnh bằng Việt ngữ về công trình này và đọc thêm về WestConnex. Nếu quý vị cần thông ngôn viên, xin vui lòng gọi Dịch Vụ Thông Ngôn Phiên Dịch số **131 450**.