

Project

NorthConnex is a 9-kilometre motorway tunnel that will join the M1 Pacific Motorway to the M2 Hills Motorway. The link aims to improve freight traffic and road network in the Sydney area along Pennant Hills Road.

The tunnel system is twin tubes one track type. Excavation began in 2016. Opening of the Northconnex tunnel is expected for 2020.

Euroform has been awarded the supply of the formworks and the relevant accessories listed below:

- 1 Main Tunnel lining formwork.
- 2 Ramp Tunnel lining formwork.
- 1 Mechanized membrane gantry.
- 2 Ramp Tunnel kerb formworks.
- 1 Cross Passage lining formwork.
- 1 Formwork support for Cross Passage Collar.
- 1 Main Tunnel niche formwork.
- 1 Ramp Tunnel niche formwork.
- 1 Main Tunnel kerb formwork.

All the motorized formworks are radio controlled.

The Main Tunnel lining formwork is self-reacting type, it runs on the installed rail track and is equipped with a concrete distribution apparatus made of a trolley and pipe system.

The Ramp Tunnel lining formworks are self-supporting type and equipped with 4 wheelsets made of solid resilient tyres (2 per wheelset). The concrete piping is made of an articulated system.

The membrane gantry is fully mechanized, motorized and equipped with a lifting system making easy, fast and safe the membrane installation.

The Ramp Tunnel kerb formworks are motorized and equipped with 4 solid resilient tyres.

The Cross Passage lining formwork is self-supporting type, fully motorized and equipped with 4 solid resilient tyres.

The Collar formwork support is made of a anchored frame to move by the carrier of the Cross Passage formwork.

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NorthConnex Company Pty Ltd and Lend Lease Bouygues Joint Venture

Mechanized membrane gantry



Ramp tunnel formwork



Ramp tunnel kerb formworks



Cross Passage formwork



Main tunnel formwork



Collar formwork support

