

Rozelle Interchange

WestConnex

Training academy factsheet | 2019



Artist Impression of Rozelle Rail Yards upon project completion

What is the Rozelle Interchange?

The Rozelle Interchange is a new underground motorway interchange that provides connectivity to the M4-M5 Link Tunnels and the City West Link, and an underground bypass of Victoria Road between Iron Cove Bridge and Anzac Bridge. The Rozelle Interchange also provides a connection to the future Western Harbour Tunnel.

Training and Employment

The Rozelle Interchange Project will create approximately 10,000 jobs and provide opportunities for valuable training in the construction industry. The multi-disciplinary nature of the project will require a broad spectrum of training facilitated through the Rozelle

Interchange Project Training Academy.

Promoting positive starts in the workforce is one of the highest priorities for John Holland and CPB. This is reflected in the Rozelle Interchange Project's commitment to trainees and apprentices. Throughout the project's duration, over 250 mechanical and electrical trainees and apprentices will be provided with training and employment. This investment in young professionals aims to address the skills gap currently found in the construction industry, particularly in the mechanical and electrical trades.

A unique opportunity will arise on the project with the creation of nine hectares of open space to be returned to the Rozelle Community at the end of the project. It will



**JOHN
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CONTRACTORS**

allow for the employment of landscaping apprentices to engage in a marquee piece of infrastructure. The project will also offer training on specialist Tunnel equipment and the assessment of critical risks across many construction areas. This training provides competent use of highly technical tunnelling equipment such as roadheaders, rock-bolting equipment and shotcrete application machinery. Our critical risk training equips workers with extensive experience in identifying the risks associated with many areas of construction and will provide benefit on future projects

Diversity and opportunity will be promoted on the project through the pre-employment programs. At the forefront of these programs is the Indigenous Australian Pre-employment program (PEP). This is an entry-level opportunity that offers 18 to 25-year-old Indigenous Australians mentorship and training in the construction industry.

New mothers who have been away from work are offered opportunities with our Return-To-Work (RTW) program. This program aims to create an easy path for women re-entering the workforce after having a child. Increasing the number of women in construction is a primary focus on the Rozelle Interchange Project.

At the peak of construction, the Rozelle Interchange Project will have approximately 2000 people on site each day and will provide the opportunity for training to benefit careers and contribute to the already extensive WestConnex skills legacy.

Key project facts

A total of around 25,000 design drawings will be produced to accurately plan the interchange's construction.

A project this large requires a high volume of machinery. For the first stage of construction, 21 road headers will be used to shell out the total 22.4km of tunnel. This will be followed by 40, 30-tonne dump trucks that will remove 2,796,000m³ worth of spoil.

Approximately 16 rock bolters will be used to place 308,400 rock bolts. The walls will also consist 160,900m³ of shotcrete which will be sprayed into place by 14 shotcrete rigs.

The tunnels will include 14 mined caverns with a total of 74 cross passages and 7 underground substations. The tunnels will be fitted with 29 axial fans (3m diameter in size), 140 jet fans (1.2m diameter in size) and 3 deluge pumps (500kilowatts each) in total.

The roads included in the project will use 243,100m³ of road pavement and a massive 1,000,000m of cable to lay between.



Artist Impression of Iron Cove Link tunnel portal and ventilation facility



Artist Impression of Rozelle Rail Yards