

The Rozelle Interchange Project Factsheet

Rozelle Interchange
WestConnex

JOHN
HOLLAND

CPB
CONTRACTORS



November 2023



The Big Picture

29 kilometres

of mainline, ventilation and access tunnels, including Western Harbour Tunnel Southern Tunnel Works

Free vehicle bypass of Victoria Road

Traffic light free connections

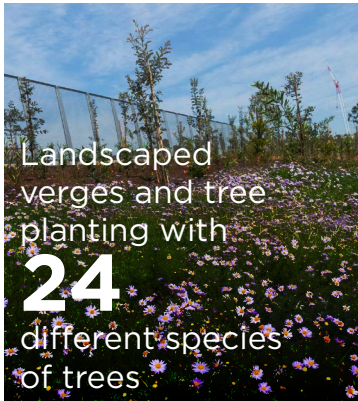
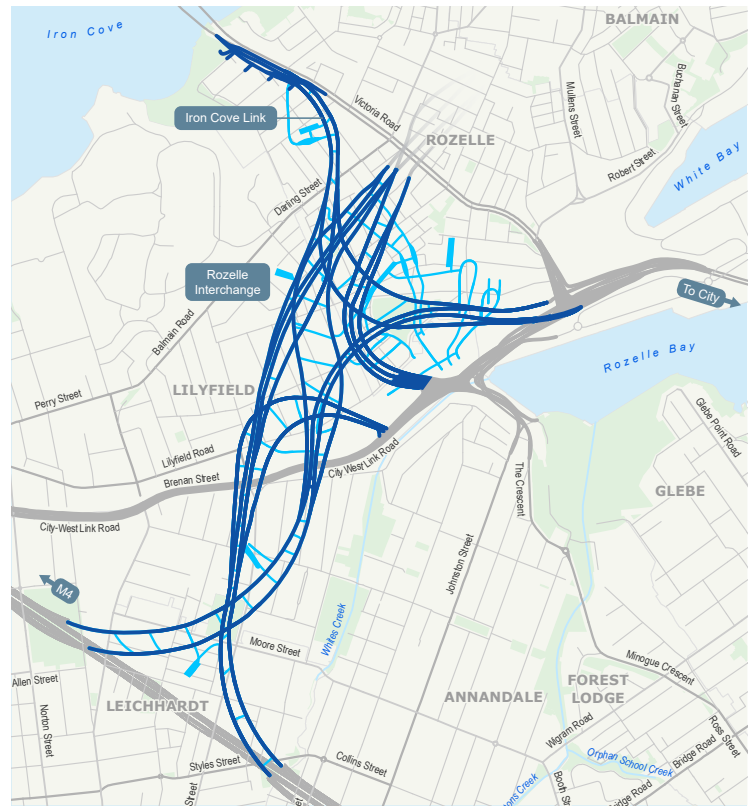
between the M4, M8, the Anzac Bridge, and the Iron Cove Bridge

Active transport connections

between Annandale, Rozelle and Iron Cove and the Sydney CBD

Lighting and wayfinding to help safely navigate the park

Fitness stations, a fitness trail and play equipment



Landscaped verges and tree planting with **24** different species of trees



Wetland areas, a boardwalk and bush trails



Integration of **aboriginal and non-aboriginal heritage**

Creating Jobs and Training



1,700+ first aid certificates



866 women engaged in traditionally male roles



294 trainees and **319** apprentices



100 trained mental health first aiders



20,000+ people inducted



183,000 total training hours
2,000+ high risk work licenses
185+ shotcrete courses delivered
100+ rockbolt courses delivered
25 Indigenous businesses
\$145 million investment in Aboriginal Participation in Construction
2,100+ people directly employed by the project, comprising of **1,400** white collar and **700** blue collar workers
20,000+ people indirectly employed by the project
12% of contracts awarded to local businesses in Inner West and City of Sydney
Hired **1,400** long term unemployed who had been out of work for over 26 weeks
1,000 graduates and undergraduates engaged

Built Structures

25,000

design drawings

4

cut and cover structures

22km

of driven tunnels

7km

of support tunnels

2

ventilation outlet buildings

27,000

architectural panels,
1,000 of which have
wayfinding graphics
or feature lights

12

total bridges
over land and water

215 kilometres of conduits

205,000m² no-fines concrete
and asphalting

17 kilometres of drainage pipes and pits

190,000m² continuously reinforced
concrete pavements

115,000m³ concrete placed

32 kilometres of HDPE pipes

13 kilometres of HV cable

310 kilometres of fibre optic cable

131 kilometres of low voltage cable

120,000 mechanical & electrical
quality documents completed

30,000 linear metres of slipform
and hand-placed barriers

33kv high voltage power

815 CCTV cameras in the tunnels

3 temporary access declines

5 in-tunnel shafts

1.7 million metres of
electrical cabling

544 deluge arrays and **10,000**
sprinkler heads capable of
discharging **20,000L** of water
per minute, or **10mm/minute**

8,500 luminaires

77,000 metres of cable ladders

308,000m² of road pavement

39,000 concrete pours

8.5 million tonnes of
spoil excavated

29,000 mechanical &
electrical terminations

46,000 mechanical & electrical
assets installed

11

substations

14,000m²
of blockwork

29

axial fans
(330kW &
450kW)

132

jet fans
(45kW)

5 ventilation stations

2,436,000L of water in the wetlands

200 trees on the Green Link Bridge

107,500 installation ITRs

35,000 commissioning ITRs

1150 system acceptance tests

6 System integration tests

150 design and construction
program coordination meetings held

45,000 work activities

35 major
traffic switches

over the course of
the project while
maintaining one of
Sydney's busiest
thoroughfares

Enabling Construction

0 corrective quality actions from
4 independent quality audits

11,628 road occupancy licences activated

16,000 observations, inspections and audits
50,000 site diaries
14,000 permits to work
18,100,000 work hours
65,000 purchase requisitions
15,000+ quality work lots closed
3,700 property condition surveys carried out
600+ community notifications
982 separate contracts
571 discrete contractors

218,000 plant prestarts

3,100 fit tests

1,646 vendors set up in PCR
145,000 invoices processed
1,695 program updates produced

Sustainability

Leading score of
89/110

for the Infrastructure Sustainability Council Design Rating

Charity

\$100,000+

raised for The Harding Miller Education Foundation

\$25,000

donated to Balmain PCYC

Collected over

1,600

gifts for end of year gift drives and donated to The Smith Family and Salvation Army

3,960m³ of low carbon concrete poured in non-structural applications

98.2% of spoil reused on or off-site

194 tonnes of glass sand used in concrete

59,000 litres of biodiesel used

4,560 kilograms of recycled plastic fibres used in lieu of steel reinforcing

37% cement replacement across all concrete mixes used on the project



Award Winning Project

Winning Entries



2023 | RUOK? Barbara Hocking Awards

- Best Mental Health Program in the Workplace



2023 | Comcare National Work Health and Safety Awards

- Preventing Psychological Harm



2023 | Project Controls Expo

- Asia Pacific Project Controls Megaproject of the Year



2023 | NSW Indigenous Chamber of Commerce Infrastructure and Construction Forum

- Project of the Year



2023 | John Holland Awards

- Project of the year



2022 | John Holland Awards

- Safety and Wellbeing
- Community and Social Impact



2023 | John Holland, COO Quality Professional of the Year

- **Chris Lewis**, Quality Manager



2022 | NAWIC NSW Awards

- **Champion Of Change:** Steve Kiddle, Construction Director



2021 | John Holland Awards

- **Resilient Leader of the Year:** John Crane, People, Environment, Stakeholder and Training Director

Pending Results



2023 | NAWIC NSW Awards

- Team innovation, Training Academy Team



2023 | New Civil Engineer Tunnelling Conference Awards

- Tunnelling Project of the Year (\$over 200m)
- Project Legacy and Social Value
- Tunnelling Team of the Year

Highly Commended



2023 | National Health and Safety Excellence Awards

- Best Continuous Improvement of a Safety Message



2023 | Infrastructure Sustainability Council (ISC) Awards

- Excellence in Social Outcomes



2022 | Australian Steel Institute Awards

- Engineering Projects



2021 | Infrastructure Sustainability Council (ISC) Awards

- Excellence in Economic Outcomes

Finalist



2023 | National Health and Safety Excellence Awards

- Best Health and Wellbeing Program
- Best Safety Message
- Pinnacle Judges Award



2023 | Infrastructure Sustainability Council (ISC) Awards

- Excellence in Economic Outcomes



2021 | John Holland Awards

- **Team of the Year**, Approvals, Community, Communications, Environment and Sustainability Team
- **Innovation**, Digital Communications platform
- **Sustainability**



2023 | John Holland Awards

- **Young achiever of the year:** Tyson Zwolsman, Safety Advisor



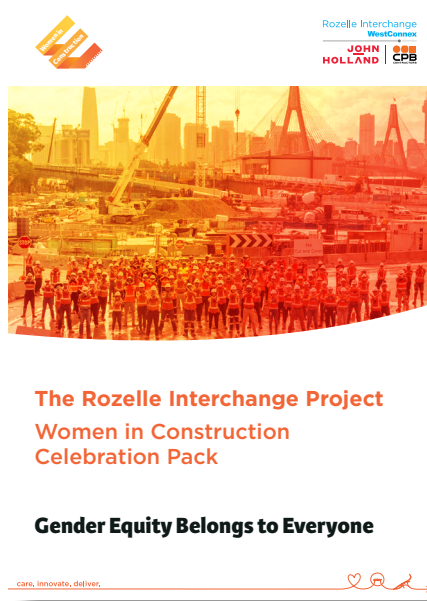
2022 | NAWIC NSW Awards

- **Innovation in Design:** Rachael Price, Design Manager
- **Scholarship for Future Leaders:** Rosie Ward, Finance Manager

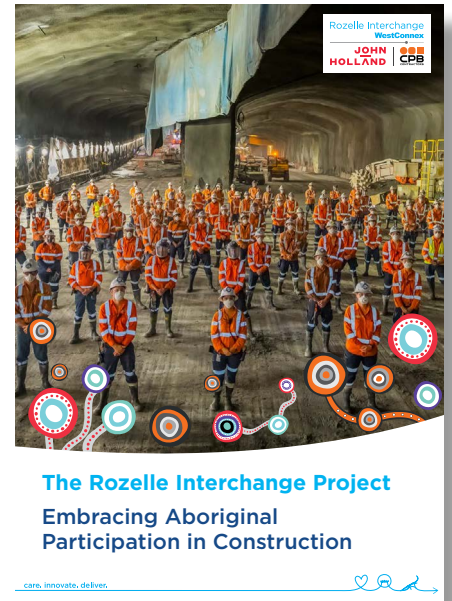
Learn more about what we achieved on the Project



Health and Wellbeing



Women in Construction



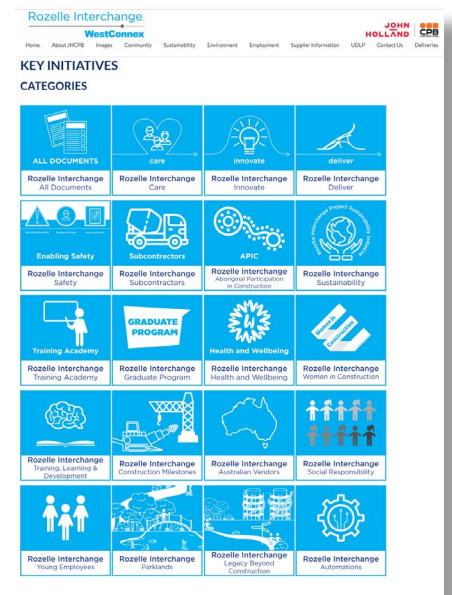
Aboriginal Participation in Construction



Career Seekers



Sustainability



Key Initiatives

