

Australia

Name: Australasian Tunnelling Society

Type of structure: The ATS is an Industry based Technical Society of Engineers Australia (EA) and affiliated with AusIMM and IPENZ

Number of members: 589 individual members / 47 corporate Gold and Silver supporting members and 6 Platinum sponsors



2016 – ACTIVITIES

Main activities:

- Monthly technical sessions across 4 Australian Regional Groups, 1 NZ Group plus Shotcrete society

WGs

- 2 Animator (1 pending), 1 Vice A, 5 Participating members and 7 Corresponding members

Training:

- Metro Tunnel Symposium (Brisbane), Shotcrete workshop (Perth) and support to 2 commercial tunnelling conferences (Sydney)

Publications:

- ATS journal published twice per calendar year in conjunction with Tunnelling Journal
- History of Tunnelling in NZ (book)

TUNNELS – UNDERGROUND WORKS

LendLease/Bouygues JV is continuing with the design and construction of the A\$2.65bn NorthConnex in Sydney, twin 9km long road tunnels linking the M1 to the M2 and M7 motorways. The project is planned for completion by 2019. The project requires the use of 17 roadheaders.



CPB/Samsung/John Holland JV is continuing with the design and construction of the A\$2.7bn M4 East project (WestConnex Stage 1B) in Sydney. The project includes twin 3 lane road tunnels, each 5.5km in length and requires 18 roadheaders to mine the tunnels through Hawkesbury Sandstone and Ashfield Shale. The project is planned for completion by 2019.

CPB/Samsung/Dragados JV is continuing with the design and construction of the A\$4.3bn New M5 project (WestConnex Stage 2)



in Sydney. The project includes twin 3 lane road tunnels, each 9 km in length and requires 18 roadheaders to mine the tunnels through Hawkesbury Sandstone and Ashfield Shale . The project is due to open to traffic in 2019.

Salini-Impregilo-NRW JV has commenced the design and construction of the A\$1.15bn Forresterfield Airport Link in Perth. The project includes twin 8km tunnels excavated by two TBMs and three stations.

The Waterview road tunnels in Auckland (NZ) are due to be completed by the WellConnected Alliance in early 2017

FUTURE ACTIVITIES

WestConnex Road Tunnels – Sydney

- Stage 3A (M4-M5 Link – Main Tunnel Works Contract) 2 x 4 lane tunnels, 8.5km long to commence construction in 2018 for completion by 2022
- Stage 3B (M4-M5 Link – Rozelle Interchange Contract) includes substantial mined tunnel works to connect the mid-tunnel point of the main tunnel works with surface roads.

HarbourLink – Sydney

- Western Harbour Tunnel – second under harbour road tunnel to connect Rozelle Interchange with Warringah Expressway on the North Shore

- Northern Beaches Link – road tunnel to connect the northern beaches area with the Western Harbour Tunnel
- Sydney Metro City and South West – Twin 15km long rail tunnels, 7 stations
- Melbourne Metro – Twin 9km long rail tunnels, 5 stations
- Western Distributor, Melbourne – Twin 3 lane tunnels, 2km long
- South Link, Sydney
- Cross River Rail Link, Brisbane – Twin rail tunnels, ~ 5km long
- Central Rail Link, Auckland – Twin rail tunnels, 3.5km long, 3 stations
- Central Interceptor Sewer, Auckland – 4.5m sewer tunnel, 12km long

