

WESTCONNEX NEW M5 TUNNEL



Over
125,000
man hours
LTI Free

WestConnex is a 33-kilometre predominately underground motorway scheme in Sydney, New South Wales, Australia. The New M5 is stage 2 of the project, twin tunnels run from the existing M5 East to the new St Peters interchange.

Client: CPB Samsung Dragados JV

Year: May 2019 - May 2020

Product/Service: Electrical & Instrumentation

Scope of Work

- Construction planning and progress reporting.
- Design review and change recommendations.
- EnerMech implemented our own Quality Assurance documentation and system.
- Tunnel and Open Route Electrical system installation.
- Cable containment systems including crown, sidewall ladder, traverse ladder and cross passage ladder installations.
- Through cabling, sub main cabling and sub circuit cabling.
- Terminations and testing.
- Communication system installation and testing.
- ITS (Intelligent Transport systems) Installation. RAG's, ISLUS/TMS signage, moveable median strips and CCTV systems.
- AVIDS (Automatic Vehicle Incident Detection system) camera installation and testing.
- Low point sump installation.

- Tunnel lighting and emergency lighting.
- Cross passage equipment installation and testing.
- Architectural lighting installation.
- Traffic lights installation and testing.
- Boom gates installation and testing.
- Procurement and logistics.
- Carry over and punch listing of other contractors work.

Key Benefits Delivered

- Proven and experienced tunnelling team implementing lessons learnt and known installation rates.
- Mobilised 200+ tunnel experienced electricians and specialised trades to deliver significant scope growth.
- EnerMech's ability to manage Industrial Relations ensured there was no lost time or inefficiencies on the project.

Project Delivery

EnerMech's project team transitioned straight from the WestConnex M4E tunnel Project to the WestConnex New M5 tunnel project providing the client a dynamic experienced tunnelling team, a comprehensive lessons learnt and providing the client peace of mind as EnerMech being a proven tunnelling contractor.

EnerMech implemented a family friendly roster to ensure the wellbeing of our people and ensuring the projects efficiency and productivity remained to a high level.

EnerMech also streamlined the sequencing and program which was crucial to delivering the large volume of works in the timeline required.