



KARL ERDMANIS

Construction Director | Major Civil & Building Infrastructure

Professional Profile

Karl is a senior construction leader with over 25 years of experience delivering major civil and building infrastructure across Australia's road, rail and tunnel networks. He has successfully led the construction of roads, bridges, tunnels, stations, operational control centres, complex M&E fit-outs and large-scale earthworks, consistently delivering projects from design development through to commissioning and opening.

Karl has held director-level roles on major PPP and D&C programs, guiding multi-disciplinary teams through complex interface environments and high-stake delivery phases. His experience spans constrained brownfield sites, live operational networks, deep tunnel environments and major transport corridor works.

Known for a practical and inclusive leadership style, Karl promotes clear decision-making, early resolution of design-to-delivery issues and a unified project culture that supports safe, efficient and timely outcomes.

Key Capabilities

- Major Civil & Building Infrastructure Delivery
- Complex Rail Tunnel Fit-Out & M&E Integration
- Earthworks Strategy & Geotechnical Interface
- Station & Operational Control Centre Construction
- PPP / D&C Delivery Leadership
- Multi-Discipline Design → Delivery Integration
- Stakeholder & Client Engagement
- Commissioning & Opening Readiness

Selected Major Project Experience

North East Link – Spark D&C | Melbourne | Construction Director (CPB/Webuild) | \$6B | PPP

Responsible for northern civil works including permanent/temporary structures and TBM launch infrastructure.

- Directed multi-disciplinary delivery teams across civil, structural and tunnelling interfaces.

- Maintained critical path certainty for TBM launch sequencing.
- Led integrated planning between temporary works, utilities and logistics.

Sydney Metro – Western Sydney Airport (SSTOM) | Sydney | Construction Director (Bid Lead, CPB) | \$6B | PPP

Responsible for development of the D&C delivery strategy and bid submission.

- Led integrated teams across civil, structural, stations and M&E disciplines.
- Developed staging strategies aligned with operations and maintenance requirements.
- Embedded whole-of-life operability considerations into design development.

Northconnex | Sydney | Construction Director / Construction Manager (Bouygues) | \$2.6B | D&C

Led final civil, tunnel fit-out, M&E systems integration and commissioning to opening.

- Directed civil, mechanical, electrical and control systems teams.
- Managed final tunnel opening and transition to live operations.
- Strengthened stakeholder coordination during critical delivery phase.

Sydney Metro Northwest RTRF Stabling Yard | NSW | Construction Manager | \$200M | D&C

Responsible for delivery of civil works, rail infrastructure, buildings and bridges.

- Integrated building, track and operational systems to support network commissioning.
- Managed major earthworks and structures under constrained staging conditions.
- Delivered on time and within budget with positive client feedback.

Airport Link & Northern Busway – Airport Roundabout Upgrade | Brisbane | Project Manager – Ground Civil Works | \$4.8B | PPP

Managed ground civil works under high-volume live motorway operations.

- Reconstructed Brisbane's busiest motorway interchange under staged traffic conditions.
- Managed complex bridge demolition directly above live traffic.
- Completed works 12 months ahead of program.

North West Rail Link (TSC) – Norwest & Showground Station Boxes | Sydney | Senior Project Manager | \$1.1B | D&C

Responsible for excavation and construction of two deep station boxes and associated civil works.

- Delivered approx. 200,000 BCM excavation under challenging geotechnical conditions.
- Achieved critical TBM arrival milestones ahead of schedule.
- Managed contaminated soil remediation under strict environmental controls.

Inland Rail – G2K Package | Brisbane | Structures Manager (CPB) | \$5B | D&C

Responsible for development of D&C solutions for 55 structures across the alignment.

- Collaborated with geotechnical, rail and delivery teams to optimise structural solutions.
- Ensured constructability aligned with corridor access and logistics constraints.
- Supported multidisciplinary staging and integration planning.

Qualifications

Bachelor of Engineering (Civil & Environmental), University of Technology, Sydney

References

- Marco Assorati – Webuild Executive Vice President (Oceania) | 0476 864 116
- Steve Wille – Project Director, CPB | 0412 142 239
- Roman Garrido Sanchez – Project Director, CPB | 0413 828 939
- Seved Robin – CEO, BYCA (Bouygues) | 0432 083 560
- Michael Musarra – Executive Director, AW Edwards | 0413 735 487
- Gary Briggs – Area Manager, TJH | 0438 172 591
- Tim Cunningham – Senior Construction Manager | 0428 113 960
- Khyle Rodgers – General Superintendent | 0407 698 552