

EXPERIENCE THAT DELIVERS

Providing reliable project and construction advice across all stages of the project lifecycle.

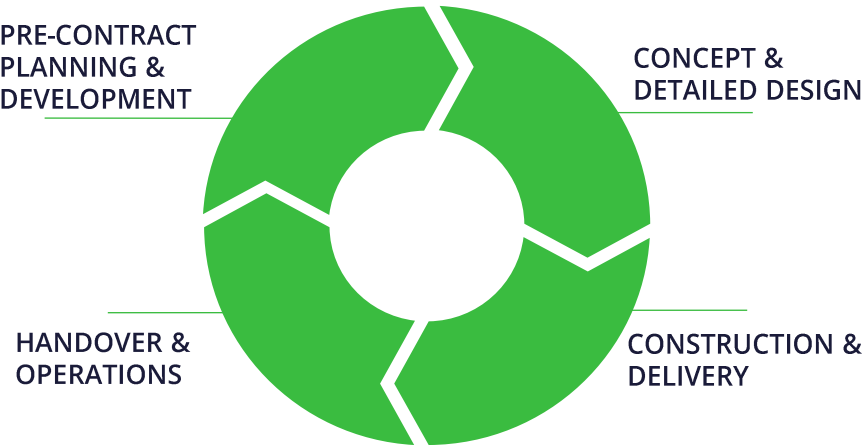


RAIL CAPABILITY STATEMENT

PROJECT LIFE CYCLE CAPABILITIES

CJC Management (CJC) represents a powerful alignment of innovation, technical excellence and proven project development and delivery excellence. By leveraging CJC’s end-to-end project lifecycle capabilities, we enable sustainable growth across rail infrastructure.

Our reputation is built on a solid track record of providing reliable project and construction advice across all stages of the project lifecycle for key government agencies, commercial operators, design consultancies and construction contractors.



As a multidisciplinary partner, CJC provides integrated expertise across strategic infrastructure and rail advisory, project development and delivery, commercial and contract management, design management, and digital construction.

Our team combines strategic insight with practical program delivery experience, supporting clients through planning, governance, procurement, assurance, and operations to achieve safe, efficient, and value-driven outcomes

CJC AT A GLANCE

CJC Management Services (CJC) is a globally recognised civil and structural engineering advisory firm, renowned for our end-to-end expertise from project inception through to completion through the following service suite:

INFRASTRUCTURE & RAIL ADVISORY (SME)	PROJECT DEVELOPMENT, DELIVERY & MANAGEMENT	DESIGN MANAGEMENT
COMMERCIAL ADVISORY & CONTRACT MANAGEMENT	OPERATIONS & ASSET MANAGEMENT	DIGITAL CONSTRUCTION

Leveraging our client and contractor side experience across global infrastructure projects, we deliver tailored, practical solutions that keep projects progressing safely, on schedule, and on budget.



INFRASTRUCTURE & RAIL ADVISORY (SME)

Comprehensive rail engineering and technical expertise, enhancing connectivity and efficiency.

Rail Maintenance Management	Rail Engineering	Design Integration
Level Crossing Solutions	Interface Management	Station Development

Our personnel offer end-to-end expertise in project and commercial management across government-led rail programs, from early pre-contracts through to final handover and closeout.

With experience supporting both client and contractor-side commitments during project funding and development, tendering, procurement, design, and construction, handover, and operation and maintenance phases, we bring a comprehensive, 360-degree understanding of the strategic levers needed to drive rail operational network success.

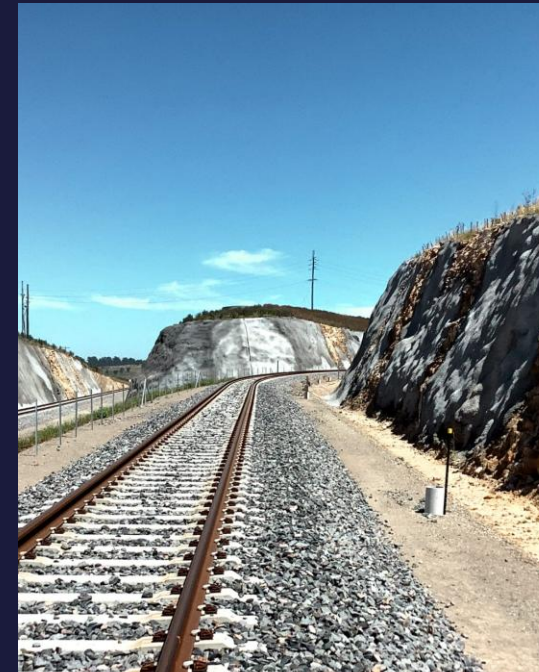
PROJECT DEVELOPMENT

Bridging design and execution to identify challenges and optimise projects for efficient implementation.

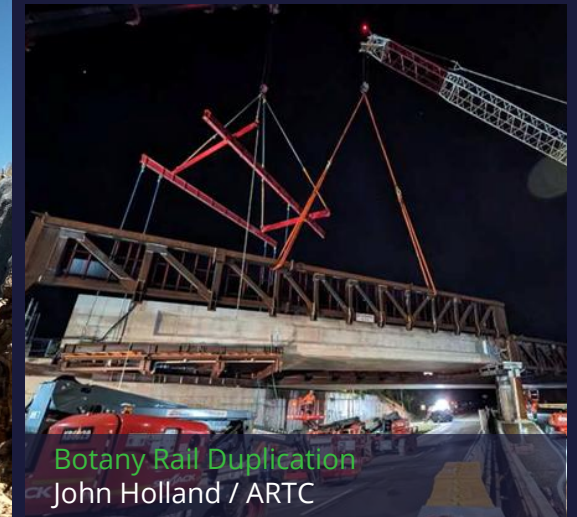
Constructability Assessment	HSiD & Value Engineering	Construction Methodologies
Workshop Facilitation	Design Options Advisory	Tender Evaluation / Review

Our experience in developing solutions to meet program objectives in live rail environments and recommending proactive, buildable solutions, ensures an optimised solution that meets the end users needs as well as meeting program targets.

As a recognised leader in constructability analysis within the transport sector, our specialists apply real-world rail experience to identify potential challenges early - often before they're visible on paper.



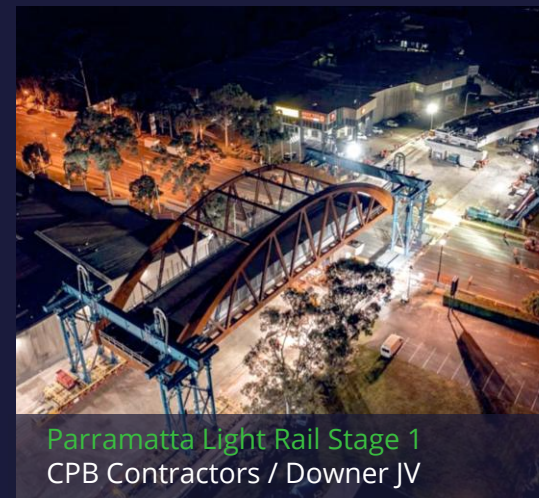
Muswellbrook Rail Loop Stage 2
AECOM / MACH Energy



Botany Rail Duplication
John Holland / ARTC



Bowen Rail Asset Management - Maturity Assessment & Resolution Development
Bowen Rail



Parramatta Light Rail Stage 1
CPB Contractors / Downer JV

PROJECT DELIVERY AND MANAGEMENT

Optimising resources and managing risks to deliver projects on time and within budget.

Project Delivery & Design Management	Approvals & Compliance Oversight	Interface & Stakeholder Management
Procurement Strategic Advisory	Civil & Structural Design Review	Team Development & Management

Across multiple sectors – with a strong focus on rail – our proposed personnel bring deep experience in delivering complex programs of work.

Our proven expertise covers rail network operations and maintenance, integrated procurement across multiple service streams, and long-term program delivery in live and operational environments.

DESIGN MANAGEMENT

We optimise design for real-world conditions to ensure they're not just theoretically sound, but also practically executable.

Permanent Works Design Delivery	Construction Staging Design
Temporary Works Design	Construction Design Advisory
Design Reporting	Design Risk Identification & Mitigation

From concept through detailed design, we are embedded in early-stage decision-making, shaping solutions that optimise functionality, safety, and cost. Leveraging cutting-edge design and modelling tools, we deliver high-quality, innovative designs that maintain structural integrity and provide clear, precise visualisations for all project stakeholders.

By anticipating challenges and aligning design decisions with broader project objectives, we combine independent verification, proof engineering, heavy lift methodology, and specialist technical advice to ensure designs are safe, practical, and constructible.



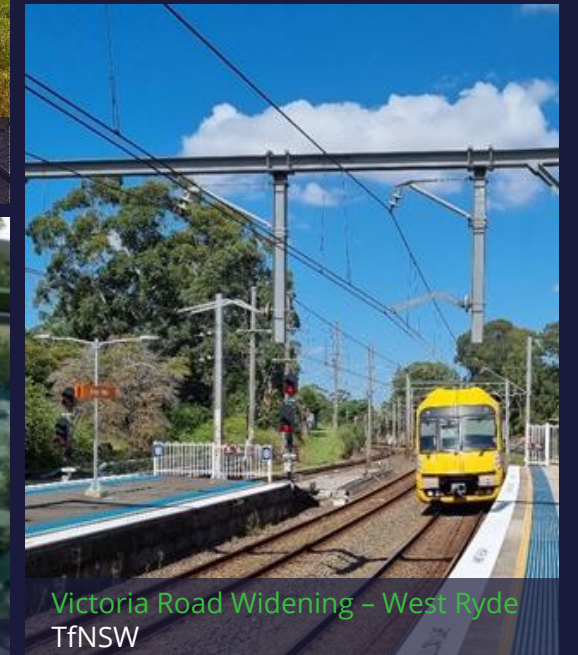
Inland Rail Grade Separations
AECOM / TfNSW



Sydney Airport East Precinct (Rail Underpass) – General Holmes Dr
TfNSW (Roads & Maritime Services)



Sydney Light Rail
Acciona



Victoria Road Widening – West Ryde
TfNSW

COMMERCIAL ADVISORY & CONTRACT MANAGEMENT

Ensuring clarity, risk mitigation, and financial success to provide mutually beneficial outcomes.

Contract Management	Completions & Closeout	Claim Management
Claim Management	Risk Management	Dispute Avoidance/Resolution

We are a trusted authority in construction claims within the rail sector, specialising in evidence-based claim preparation, negotiation, and resolution to protect project timelines, budgets, and network continuity.

CJC brings deep expertise in managing project closeout, overseeing contractual completion, defect resolution, and compliance verification to enable seamless handover, operational readiness, and long-term asset performance across complex rail environments.

OPERATIONS & ASSET MANAGEMENT

Maximising the value and longevity of infrastructure through strategic planning, maintenance, and inspections

Maintenance Works Coordination	Asset Condition & Life-cycle Tracking	Asset Planning, Coordination & Execution
Process Improvement	Compliance Assurance	Incident & Asset Investigation

We deliver industry-leading asset management services tailored to the rail sector, ensuring infrastructure remains safe, reliable, and performance-ready. With a focus on developing preventative maintenance strategies, we minimise service disruptions, extend asset life, and support scalable network operations.

Our approach ensures the right expertise remains in place post-handover to manage operational demands, respond to emerging issues, and uphold long-term network resilience.



West Gate Tunnel
Transurban



North East Link (Central Package)
Spark North East Link



Metro Trains Melbourne Track Renewals
Metro Trains Melbourne



SYD Airport Civil & Mechanical Assets
Sydney Airport Corporation

CASE STUDIES



RAIL PROJECT EXPERTISE

Serving as a pivotal strategic partner to deliver innovative solutions across a diverse portfolio of infrastructure projects.

INLAND RAIL GRADE SEPARATIONS

CLIENT: AECOM / AUSTRALIAN RAIL TRACK CORPORATION (ARTC)
KEY SERVICES: CONSTRUCTABILITY & HSId ASSESSMENT, OPTIONS ANALYSIS, CONSTRUCTION STAGING, WORKSHOP FACILITATION

PROJECT OVERVIEW

The Inland Rail Grade Separation Program is a critical component of the broader Inland Rail project, which aims to enhance the freight rail network between Melbourne and Brisbane. Transport for NSW (TfNSW) is investigating 22 sites where existing highways intersect with the rail line.

As part of this initiative, Tranche 1 encompasses the concept design and environmental assessment for six proposed grade separation sites, including Tichborne (Newell Highway), Harris Gades (Olympic Highway) among others.



OUR CONTRIBUTION

CJC provided subject matter expert advice across Inland Rail Grade Separations - Tranche 1, leading constructability, staging, Health, Safety in Design (HSId), risk management, value management and environmental assessment.

This included providing expert analysis on constructability including bridgeworks and earthworks, heavy lift and rail interfaces in remote areas. The role included developing detailed construction staging and programs, and facilitating constructability, risk and HSId workshops.



MUSWELLBROOK RAIL LOOP STAGE 2

CLIENT: AECOM / MACH Energy
KEY SERVICES: DESIGN MANAGEMENT & INTEGRATION, INTERFACE MANAGEMENT, QUALITY & SAFETY ASSURANCE

PROJECT OVERVIEW

The Mount Pleasant Rail Loop project in Muswellbrook involved relocating the Hunter River water supply pump station, associated water pipeline, and electricity supply along the existing rail spur alignment. Works also required demolition and removal of redundant temporary infrastructure once the new systems were commissioned.

The project included substantial cut-to-fill earthworks within the Hunter River floodplain, with embankments up to 13m high, hard rock blasting for cuttings, and the construction of permanent embankment support structures.



OUR CONTRIBUTION

CJC was engaged as Design Site Representative role, coordinating on-site services between the mine project manager, designer and principal contractors Daracon and FCS, ensuring clear and alignment across all stakeholders.

CJC actively supported the construction of the floodplain viaduct and the Wybong Road viaduct, both delivered under live traffic conditions. All concrete structures were constructed in line with TfNSW quality specifications. We further managed major non-conformances and complex site issues requiring specialist advice from geotechnical experts, overseeing their investigation and successful close out.

We managed direct technical and regulatory interface with the ARTC rail network and their stakeholders, encompassing obtaining design and works approvals, coordinating possession planning and ensuring that ARTC rail structure standards were correctly applied throughout delivery.



SYDNEY METRO WEST WESTERN TUNNELLING PACKAGE

CLIENT: SYDNEY METRO
PROJECT VALUE: \$2.2Bn
KEY SERVICES: PROJECT DEVELOPMENT, TENDER PHASE,
PROJECT MANAGEMENT



PROJECT OVERVIEW

The Sydney Metro West Project is one of Australia's largest public transport undertakings, creating a new 24km underground metro rail link between Greater Parramatta and the Sydney CBD. Designed to double rail capacity between the two centres, it includes twin nine-metre-diameter tunnels, new underground stations, and major upgrades to supporting infrastructure.

A critical challenge on the Clyde Spur Tunnels package was the **Lidcombe Auburn Granville (LAG) Sewer** - a 100+ year-old, large-diameter (1750 mm x 1750 mm) Sydney Water asset carrying 1,100 L/s of flow and forming a main carrier in the city's wastewater network. The sewer's alignment conflicted directly with the planned tunnel works, creating a potential \$100M, 18-month program risk if relocation was required.

Pre-Contract & Planning	Concept Design	Detailed Design	Procurement	Construction & Delivery	Commissioning & Handover	Operation & Maintenance

OUR CONTRIBUTION

CJC played a central role in navigating one of the most complex utility interfaces on the Sydney Metro West Project. As part of the client-side delivery team, we provided end-to-end oversight of the LAG sewer clash resolution, from early feasibility through to detailed design and construction readiness.

Technical Governance & Design Review: Assessed the original concept design, which involved a full relocation and temporary pumped bypass, identifying its significant risks to cost, program, and network operations. We led the technical review workshops with Sydney Water, Metro's Delivery and Utility teams, and the three tender proponents to explore alternative solutions.

Stakeholder Alignment: Drove consistent engagement with third-party interfaces from the outset, ensuring their operational, structural, and maintenance requirements were fully understood and integrated into the solution. This proactive approach to consultation was recognised as best practice for managing risk on critical live assets.

Tender Interface Management: Coordinated the request for innovative design solutions from all tenderers, enabling a proposed alignment to be developed and tested during the 12-month Specialist Engineering Assessment (SEA) process before contract award.

Site & Construction Readiness Support: Verified constructability through on-site investigations, asset location verification, and ground condition assessments, ensuring the final design could be built safely without compromising the sewer.

Quality & Compliance Assurance: Established inspection and test processes for works near the sewer, ensuring adherence to Sydney Water's technical standards and protecting long-term asset integrity.



BEVERIDGE TO ALBURY TRANCHE 2

CLIENT: INLAND RAIL
PROJECT VALUE: CONFIDENTIAL
KEY SERVICES: TRANSACTION MANAGEMENT



PROJECT OVERVIEW

Upgrading 262km of existing rail track between Beveridge, north of Melbourne, and the Victoria-NSW border at Albury-Wodonga. This section of track needs to be modified to provide sufficient height and width clearances to allow double-stacked trains to use the line. Work will be delivered in two parts, called ‘tranches’.



OUR CONTRIBUTION

CJC led the transaction by coordinating and facilitating interactive meetings with Proponents. We led technical and commercial evaluations, developed scoring documentation, and managed stakeholder relationships (Associate Director, RPS Group, August 2023 – September 2024).

CJC facilitated strategic decision-making meetings, created scoring documentation and presentations with supporting materials for the technical evaluation committee and tender review panel. We managed stakeholders across technical, commercial, and legal functions using a dashboard reporting tool to ensure alignment and timeliness.

CJC ensured there was streamlined procurement, project timelines were met, and enabled informed decisions through clear, data-driven evaluations.



MANAGING COMPLEXITY

CJC’s experience in complex, multi-stakeholder transport and infrastructure programs directly aligns with the Inland Rail Program’s delivery environment.

Our work spans project development, procurement strategy, governance, and delivery assurance across nationally significant projects subject to rigorous regulatory and technical oversight.

This background positions CJC to provide informed, independent support across program planning, commercial evaluation, and delivery management, ensuring alignment between Commonwealth, State, and industry partners.

CJC’S DIFFERENCE

CJC’s embedded advisory model combines commercial, engineering, and delivery expertise within client teams to strengthen program outcomes from the inside out.

Our approach enables faster decision-making, transparent governance, and practical solutions grounded in delivery reality.

With a proven record supporting government-led infrastructure programs, we ensure projects stay on track technically, commercially, and strategically.

BOTANY RAIL DUPLICATION

CLIENT: JOHN HOLLAND

PROJECT VALUE: \$400M

KEY SERVICES: QUALITY & COMPLETION MANAGEMENT, TEMPORARY WORKS DESIGN, ON-SITE PROJECT MANAGEMENT, DIGITAL ENGINEERING



PROJECT OVERVIEW

John Holland delivered the design and construction of the Botany Rail Duplication for the Australian Rail Track Corporation, transforming the remaining 2.9 km single-track section into a dual-track corridor. Works included upgrading and constructing rail bridges, improving drainage systems, upgrading signalling infrastructure, and relocating utilities to support the new alignment.

The duplication significantly boosts Port Botany's freight capacity, with each train now able to carry the equivalent of 54 trucks, reducing road freight movements and easing congestion on Sydney's road network. By increasing rail efficiency, improving operational flexibility, and reducing reliance on trucks, the project delivers long-term economic, environmental and safety benefits for Sydney's freight network.



OUR CONTRIBUTION

CJC personnel played a critical role in assuring the quality of delivery on the Botany Rail Duplication, embedding governance processes across complex temporary works, bridge removals, and structural installations. Delivery required meticulous planning, temporary works design and interface management to safely coordinate heavy lifts, staged demolition and the commissioning of new structures within live operational environments.

Temporary Works Design: CJC provided complex temporary work packages to dismantle and remove temporary bridge and staged removal methodology. This included comprehensive staged removal methodologies, incorporating structural checks to verify the stability and safety of each stage of dismantling. Our detailed engineering considered restricted working windows, lifting constraints and compliance with low-flying zones and road authority requirements.

Temporary Works Coordination: The team managed and coordinated more than 200 temporary works packages, ensuring every lifting methodology, falsework sequence and structural check was independently reviewed and validated before execution. By implementing robust Inspection and Test Plans, coordinating consultant engagement and closing stakeholder review comments, CJC provided the technical assurance needed to safely complete high-risk works within extremely tight possession windows.

Quality & Compliance Management: Beyond temporary works, CJC strengthened the completions and compliance process. The team supported ARTC and John Holland by validating spoil management under the Remedial Action Plan (RAP), preparing Deed-compliant documentation to support contractual claims and compiling Operations and Maintenance Manuals for handover.

Digital Engineering: To further support execution, CJC created a full digital model of the site, enabling stakeholders to visualise the methodology and effectively coordinate works. The staged methodology, structural verification, and digital modelling approach reflect expertise in managing works with tight operational windows, safety-critical lifting, compliance with strict regulatory requirements and mitigating environmental and operational risks.



CROSS RIVER RAIL

CLIENT: CPB / GHELLA
PROJECT VALUE: \$5.4Bn
KEY SERVICES: CONCEPT DESIGN, PROJECT MANAGEMENT,
QUALITY MANAGEMENT



PROJECT OVERVIEW

The \$5.4Bn Cross River Rail is one of Queensland’s largest infrastructure projects, comprising a new 10.2km rail line with 5.9km of twin tunnels under the Brisbane River and CBD, and four new underground stations at Boggo Road, Woolloongabba, Albert Street, and Roma Street.

A defining feature of the underground stations is the construction of mezzanine levels using precast Vierendeel Truss girders, designed to span ~19m between corbels in the tunnel lining, providing column-free concourses and improved passenger flow.

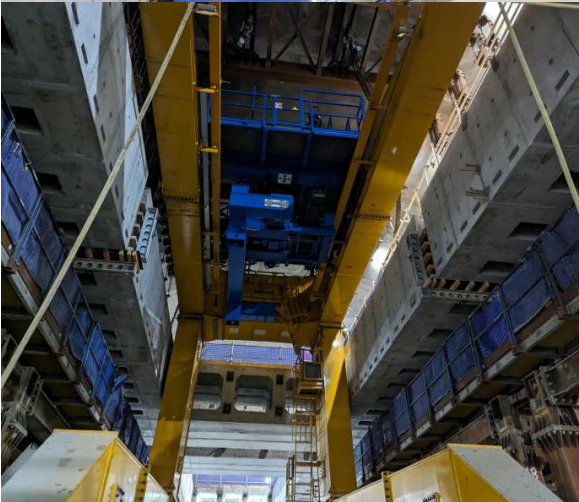
The complex build method required the delivery, assembly, and installation of precast girders using specialist loaders, shoring towers, suspended hangers, and temporary falsework systems. This demanded meticulous temporary works design, structural checks, and staged approvals to ensure safety and compliance in one of Australia’s most complex tunnelling environments.



OUR CONTRIBUTION

CJC provided specialist engineering, compliance, and quality management services to support the safe and efficient delivery of the mezzanine structures. The team was responsible for coordinating temporary works design and site verification, including shoring towers, suspended hangers, formwork systems, and segment support structures. CJC embedded rigorous quality processes by developing and reviewing Inspection and Test Plans, conducting independent design checks, and ensuring all works complied with contract, safety, and regulatory standards.

By proactively managing risk, resolving clashes, and ensuring seamless interface coordination across multiple stations, CJC helped maintain program certainty while safeguarding compliance in a highly constrained, high-risk tunnelling environment. The result was a controlled, safe, and quality-assured installation of the mezzanine systems, setting a benchmark for underground station construction in Australia.



HIGHLIGHTS

Through Cross River Rails complex underground construction, extensive utility interfaces, and strict safety, environmental, and compliance requirements.

The project highlights how rigorous quality assurance and risk-based governance are essential to protecting assets, minimising disruption, and ensuring assured delivery in highly constrained environments.

CJC’S DIFFERENCE

CJC strengthened delivery on Cross River Rail by embedding quality governance into temporary works and completions across four stations.

Through thorough design checks, ITP management, and on-site verification, the team ensured safe installation of large-span mezzanine beams, resolved issues early, and reduced rework - providing confidence in compliance, safety, and program certainty.

SYDNEY METRO NORTHWEST SURFACE VIADUCT WORKS & CIVILS

CLIENT: TRANSPORT FOR NSW
KEY SERVICES: PROGRAM & PROJECT MANAGEMENT, PROGRAM & PROJECT DELIVERY, CONSTRUCTION ENGINEERING
FALSEWORK / FORMWORK DESIGN, TEMPORARY
WORKS DESIGN, PROVISION OF ONSITE ENGINEERS



PROJECT OVERVIEW

The Sydney Metro Northwest project has delivered eight new railway stations to Sydney's growing North West suburbs.

Sydney Metro Northwest is the first stage of the Sydney Metro and is the first fully-automated metro rail system in Australia. The Surface Viaduct Works and Civils project included a 4 km elevated rail viaduct culminating in a 270 m curved cable-stay bridge, constructed from pre-cast concrete segments and placed with two overhead launching gantries.



OUR CONTRIBUTION

Works also included two large cuttings, significant roadworks, and interface management with adjoining stations and road corridors.

CJC provided a multidisciplinary site-based team delivering:

- Construction engineering and staging support for the viaduct and cable-stay bridge
- Temporary works coordination and methodology advice for segment erection and pier installation
- Traffic and access management to maintain live road operations below the alignment
- On-site engineering verification and coordination between civil, structural and delivery teams



Through its integrated technical support, CJC helped ensure **safe, efficient** construction of the Skytrain - **one of the most complex components of the Sydney Metro Northwest program.**



CJC was instrumental in delivering this high-risk package within a live tunnel environment, ensuring program continuity and sustaining stakeholder confidence.

LEVEL CROSSING REMOVAL PROJECT

CLIENT: LEVEL CROSSING REMOVAL PROJECT (LXRP)
PROJECT VALUE: \$16Bn
KEY SERVICES: COMMERCIAL & CONTRACT MANAGEMENT



PROJECT OVERVIEW

The Pakenham project will see the removal of three level crossings, a modernised Pakenham Station and a brand-new East Pakenham Station. The crossings will be removed by building a rail bridge over the roads, delivering six MCGs worth of public space underneath for the local community when completed in 2024.

This engagement forms part of LXRP's larger initiative to remove 110 dangerous and congested level crossings by 2030.



OUR CONTRIBUTION

CJC led the identification, assessment, and mitigation of commercial risks through the contractual close-out process for legacy projects (Associate Director, RPS Group, seconded to Level Crossing Removal Project Authority, August 2022 – July 2023).

CJC conducted financial audits with alliance partners, finance teams, and executives to ensure accurate financial numbers in completions documentation. This involved reconciling expenditures, validating cost allocations, and ensuring contractual compliance amidst the complexities of legacy projects with multiple stakeholders.

We successfully mitigated commercial risks, delivered accurate documentation to KPMG auditors, and contributed to Value for Money reports showcasing financial efficiency.



MANAGING COMPLEXITY

CJC understands the scale and complexity of the Inland Rail Program, a nationally significant initiative requiring clear governance, stakeholder alignment, and rigorous delivery oversight.

Our experience spans program and project advisory, commercial management, and delivery assurance across large, multi-agency transport and infrastructure programs. We are adept at navigating competing priorities, regulatory constraints, and technical interdependencies to maintain progress, transparency, and control across all stages of delivery.

CJC'S DIFFERENCE

CJC's embedded advisory model integrates strategic, commercial, and delivery expertise within client organisations to strengthen capability, accelerate performance, and drive consistency across programs.

We combine hands-on delivery insight with commercial and governance acumen, ensuring informed decisions, efficient execution, and accountability at every level. Our proven approach supports government clients in achieving safe, on-budget, and value-driven outcomes across complex national infrastructure programs.

SYDNEY METRO CITY & SOUTHWEST TUNNELLING PACKAGE

CLIENT: SYDNEY METRO
PROJECT VALUE: \$2.1Bn
KEY SERVICES: PROGRAM & PROJECT MANAGEMENT,
PROJECT DELIVERY, STAKEHOLDER MANAGEMENT



PROJECT OVERVIEW

Sydney Metro City & Southwest is a critical part of Australia’s largest public transport program. Extending the metro network from Chatswood under Sydney Harbour, through the CBD and out to Bankstown.

The 30km alignment includes new underground stations, complex tunnelling works and integration with existing infrastructure.

The project delivers a 66km standalone metro system with 31 stations, improving connectivity and reducing congestion across Sydney.



OUR CONTRIBUTION

CJC delivered critical engineering and delivery support across multiple phases of the Sydney Metro City & Southwest works. The team managed excavation activities, temporary structural support, anchor waterproofing, and installation of permanent concrete cassettes at station sites. We oversaw tunnelling operations using slurry TBMs, installed concrete segments, and completed cross-passage excavation.

Defect repairs and closeout activities were managed to maintain program integrity and readiness for commissioning. Our role encompassed comprehensive quality assurance, including inspections, audits, lot reviews and resolution of non-compliance issues.

We implemented robust defect management processes and maintained strict adherence to client and independent verification requirements. Completion processes were directed by our team, including redline markups, handover documentation and final work submissions, ensuring all deliverables met technical and contractual standards.



MELBOURNE METRO TUNNELLING PACKAGE

CLIENT: RAIL PROJECTS VICTORIA, CROSS YARRA PARTNERSHIP
PROJECT VALUE: \$11Bn
KEY SERVICES: TEMPORARY WORKS, DESIGN FALSEWORK AND FORMWORK DESIGN, SITE INSPECTIONS



PROJECT OVERVIEW

Melbourne Metro is one of Victoria’s largest transport infrastructure projects, designed to transform the city’s rail network and increase capacity across the metropolitan system. The project delivers two 9km twin tunnels beneath the CBD, connecting the Sunbury and Cranbourne/Pakenham lines to create a new end-to-end corridor. It includes five new underground stations at Arden, Parkville, State Library, Town Hall, and Anzac, along with major upgrades to existing lines.

Melbourne Metro aims to provide train services every two minutes during peak periods, reducing congestion and improving travel times across the network. The project represents a critical investment in sustainable transport and urban connectivity, supporting Melbourne’s growth and easing pressure on the existing rail system.

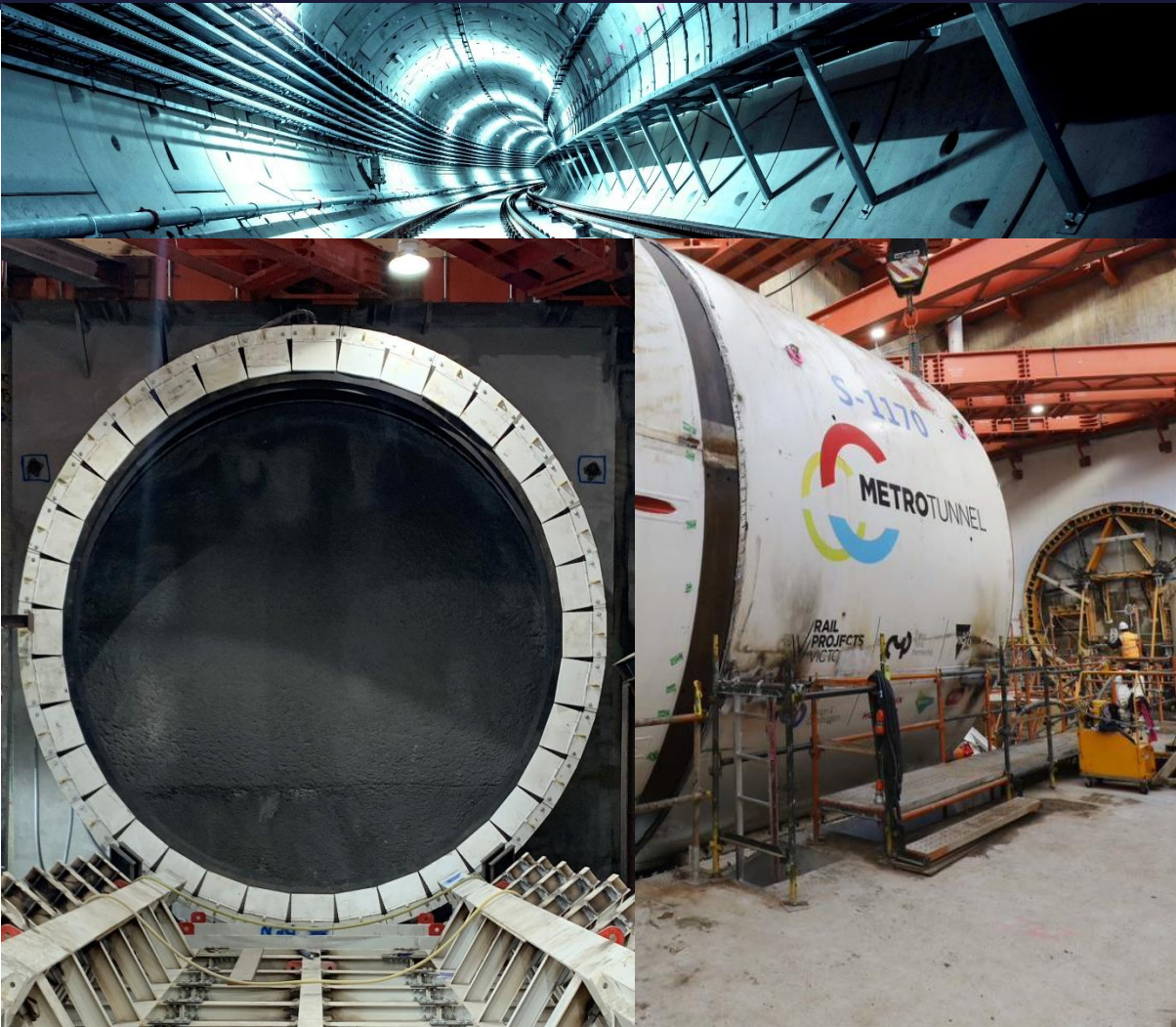
Pre-Contract & Planning	Concept Design	Detailed Design	Procurement	Construction & Delivery	Commissioning & Handover	Operation & Maintenance

OUR CONTRIBUTION

CJC undertook a detailed design check of fabricated TBM cradle support structures required to span a large sewer line, originally designed as a steel trussed frame. When the initial design was found to be inadequate for loading requirements, we specified global and local strengthening to meet Australian Standards. This included FEM modelling of main trusses converted into plate girders with welded infill plates.

Our team verified and modified false tunnel support structures to ensure compliance with load requirements and relevant design codes. We also delivered post-fabrication modifications to the TBM cradle structure, which was critical for launching the TBM for excavation.

In addition to these design checks, we provided temporary works design, falsework and formwork design, structural and design assessments and site inspections. These services ensured technical integrity, compliance and safe delivery throughout the project lifecycle.



SYDNEY LIGHT RAIL

CLIENT: ACCIONA

KEY SERVICES: PROJECT DELIVERY SUPERVISION, ON-SITE ENGINEERING, UTILITY RELOCATION PROJECT MANAGEMENT, STAKEHOLDER MANAGEMENT

PROJECT OVERVIEW

The SLR provides links to key destinations within Sydney. It also includes major interchanges at ferry, rail and bus stations along the route, and pedestrianisation of a 1km section of George Street. This high-capacity transport system has helped to cut CBD congestion by reducing the need for many bus services and providing a frequent, reliable and comfortable travel option through the city and the southeastern suburbs.



OUR CONTRIBUTION

CJC successfully provided engineering support to the Construction and Utilities Team during the construction stage of the Sydney Light Rail Project. Our team of skilled engineers contributed at every level of this complex project, ensuring that safety, quality, environmental and community requirements were consistently met to support effective operations and timely project delivery.

UTILITY RELOCATIONS & ON-SITE QUALITY ENGINEERING: We managed the day-to-day running of construction works, coordinated resource allocation, and oversaw work crews to ensure seamless progress. CJC led project management for services relocation, drainage, retaining walls, piling, concrete works and the construction of track slabs, while also delivering road construction in accordance with TfNSW standards.

ON-SITE ENGINEERING: Our team was deployed across the Eastern Suburbs section of the project, with personnel undertaking roles including Site Engineer, Project Engineer and Senior Project Engineer.



PARRAMATTA LIGHT RAIL STAGE 1

CLIENT: CPB / DOWNER JV

KEY SERVICES: ON-SITE ENGINEERING, DESIGN MANAGEMENT, CONSTRUCTION ENGINEERING, TEMPORARY WORKS DESIGN, PROJECT MANAGEMENT

PROJECT OVERVIEW

Parramatta Light Rail is one of the NSW Government's major infrastructure projects, being delivered to serve a growing Sydney. The light rail will create new communities, connect great places, and help both locals and visitors move around and explore what the region has to offer. Stage 1, connecting Westmead to Carlingford via the Parramatta CBD and Camellia, officially opened to passengers in December 2024.



OUR CONTRIBUTION

ON-SITE ENGINEERING: CJC personnel provided engineering support to the construction team throughout the planning, procurement and early works stages of the project. Our involvement extended into the construction phase, where we assisted in preparing contracts and tender packages for utility relocations, material supply, labour hire (including traffic control) and design services.

DESIGN REVIEW & CONSTRUCTABILITY INTEGRATION: Our team reviewed preliminary design drawings for constructability, raising change requests where required, and compiled work packs for early construction activities such as site investigations, traffic switches, and utility works. CJC's team also contributed to cost forecasting for design packages, including drainage, pavements, combined service routes and multi-functional poles.

DESIGN CHECK & QUALITY ASSURANCE: CJC's structural team provided a design check for the lifting and transportation of a 60-metre span arch bridge using strand jacks. Additionally, they conducted a peer review of the complete operation for the project's JV management team, providing assurance and confidence in the methodology.



KEY PERSONNEL



OUR PEOPLE, YOUR STRATEGIC PARTNERS

Firsthand, on-the-ground experience across the entire project lifecycle, from front-end planning and pre-delivery through to execution and beyond.

OUR EXPERTISE, YOUR SUCCESS



COLIN CALDER | GROUP MANAGING DIRECTOR

Colin has over 35 years' experience leading major infrastructure projects across Australia, Asia and Africa. He has guided multidisciplinary teams through every stage of delivery, shaping strategy and driving outcomes on programs such as WestGate Tunnel, Sydney Gateway Upgrade, WestConnex and Sydney Metro. He is known for his ability to navigate complex environments and align project delivery with client objectives.

As Founder and Group Managing Director of CJC Management Services, Colin provides hands-on leadership in project governance and commercial advisory. He remains closely involved in constructability reviews and methodology planning, ensuring projects are delivered safely and efficiently.

Colin's approach is collaborative and client-centric. He mentors future leaders and builds high-performing teams. His international perspective and disciplined execution underpin successful outcomes on landmark infrastructure programs.

KEY PROJECTS

Westgate Tunnel – Surface Construction Director

Sydney Metro Northwest – Engineering Specialist

WestConnex Stage 1B New M4 – Construction Management



CRAIG STODDART | PRINCIPAL, NSW / PRE-DELIVERY LEAD

Craig has over 29 years of experience as a civil engineer on a range of projects including road, rail, bridge, tunnel, marine, industrial, commercial and development projects.

Craig's involvement in these projects has ranged from direct management of construction activities, design management, contract administration, independent verification, systems management, consulting and auditing.

Craig's experience working with government clients, local councils, engineering consultancies and construction contractors has provided a broad understanding of the commercial drivers and risks associated with each of these parties.

Craig has applied this expertise in undertaking a large number of constructability assessments for TfNSW, Transurban and Tier 1 Designers on projects ranging from small cycleway upgrades to new motorways.

KEY PROJECTS

General Holmes Drive Underpass – Replacement of Existing Level Crossing

Inland Rail Grade Separations, Tranches 1 & 2 – Constructability Advisor

Sydney Metro Northwest, Surface Viaduct & Civils – Snr Project Engineer



MICHAEL EAGER | CHIEF OPERATING OFFICER

Michael has over 30 years of project experience and has held senior executive positions for client-side organisations establishing, developing and leading teams to deliver project services across the full project lifecycle.

He's successfully delivered multi-disciplinary projects in complex operational environments across Australia and the UAE. His expertise spans organisational strategy, procurement, design and commercial management, project management and constructability. For Airports these include airfield, Terminals, landside packages and infrastructure. In other areas including Roads, Bridges, Structures, Marine and Utilities.

Previously serving as General Manager of Construction at Sydney Airport, Michael has a comprehensive understanding of airfield operations, constraints and standards. He has supported numerous defence and major airport works including runway upgrades, taxiway construction, airfield lighting, terminal works, and general security related requirements.

KEY PROJECTS

Sydney Metro, Western Airport – Senior Technical and Constructability Advisor

Sydney Gateway – Airport Works Advisory

Rarotonga International Airport – Runway Investigation, Reporting & Planning



ANNA MURRAY | PRINCIPAL, RAIL

Anna Murray is a Chartered Rail Engineer and Principal with more than 25 years' experience delivering and assuring complex rail infrastructure across Australia and the UK.

She has led multidisciplinary teams across design, construction, and maintenance environments, bringing deep expertise in asset management, network operations, and rail systems assurance.

Anna's experience spans roles with Sydney Trains, Metro Trains Melbourne, and Leighton Contractors, where she drove program performance, constructability, and safety outcomes on major rail maintenance and upgrade programs. Her leadership combines technical depth with strategic oversight to improve reliability and whole-of-life value in operational rail networks.

KEY PROJECTS

QLD Rail, Proof of Concept Rolling Stock Data Analysis – Project Director

Sydney Trains Track Remediation Program – Manager, Track Programs

Metro Trains Melbourne Track Renewals – Track Renewals Manager

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GRAHAM NUSS | GENERAL MANAGER, CJC REGIONAL

Graham Nuss is a highly experienced construction and project manager with more than 25 years delivering complex transport and rail infrastructure across New South Wales.

He has led delivery and constructability roles on major programs involving tunnelling, stations, and live rail environments, embedding constructability, safety, and efficiency from early design through to delivery.

Graham's experience spans metro, heavy, and regional rail projects, including the Epping to Chatswood Rail Line, Mount Pleasant Rail Loop, and Inland Rail Grade Separations, where he has managed complex staging, stakeholder coordination, and interface works within constrained and operational settings.

KEY PROJECTS

Inland Rail Grade Separations Tranche 1
– Constructability Advisor

Epping to Chatswood Rail Line – Site
Manager (Epping Station Site)

Muswellbrook Rail Loop Stage 2 - Design
Site Representative



JACKI PARISH | REGIONAL PROJECT LEAD

Jacki is an accomplished transport operations leader with over 7 years' experience managing complex aviation environments, including leading operations at Dubbo Regional Airport.

She has delivered major infrastructure upgrades and secured over \$3M in State and Federal funding, enabling \$150M in capital works. At Dubbo Regional Airport, she managed a \$4M operational budget and drove improvements in stakeholder engagement and customer experience.

Jacki is known for building strong partnerships with airlines, regulators, and emergency services to maintain compliance and safety. She has a proven track record for delivering safe, efficient and customer-focused solutions in dynamic, safety-critical settings.

KEY PROJECTS

Parkes Airport Masterplan and CAPEX
Plan (2024–2044) – Project Lead

Dubbo Regional Airport – Airport
Manager

Far North West Joint Organisation's Western Air
services Evaluation and Government Business Case



BRAD GEBHARDT | SENIOR PROJECT MANAGER / VIC STATE LEAD

Brad Gebhardt is a senior project manager with over 15 years' experience leading the delivery, development, and procurement of major rail and transport infrastructure across Victoria.

He has held senior client-side and delivery roles on complex programs including Melbourne Metro Tunnel, Melbourne Airport Rail, and the Western Program Alliance, bringing a strong constructability focus and digital engineering expertise to optimise project outcomes.

Brad's practical understanding of design integration, staging, and stakeholder management within live rail and urban environments enables efficient, safe, and coordinated delivery across all phases of a project.

KEY PROJECTS

Melbourne Airport Rail – Senior Project Manager

Melbourne Metro Tunnel – Senior
Project Manager

Western Program Alliance –
Engineering Manager



DANIEL TAYLOR | CONSTRUCTION DIRECTOR

Dan Taylor is an experienced construction leader with over 20 years' experience delivering major civil and tunnel infrastructure across Australia.

He has held senior client-side and contractor roles on complex projects including Sydney Metro West, Sydney Metro City & South West, and WestConnex Stage 1B. Dan is known for driving high-performing teams, embedding safety and constructability, and achieving delivery certainty on technically demanding programs.

His leadership spans the full project lifecycle, from design and procurement through construction, with proven capability in stakeholder engagement, risk management, and program optimisation in live and constrained environments.

KEY PROJECTS

Sydney Metro City & Southwest TSE
Works – Construction Management

WestConnex Stage 1B New M4 – Site
Management, Delivery Quality Assurance

Sydney Metro West (Westmead to the
Bays) – Construction Management

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FLORIAN DIETERLE | STRUCTURAL DESIGN TECHNICAL DIRECTOR

Florian Dieterle is a Technical Director and structural specialist with nearly 20 years' experience delivering complex bridge and rail infrastructure across Australia and internationally.

He is an expert in construction engineering, temporary works, and buildability design, with deep technical insight into precast-segmental and steel bridge construction, marine interfaces, and heavy lift operations.

Florian's leadership on major projects including Sydney Gateway, Botany Rail Duplication, and Sydney Metro Surface and Alignment Works showcases his ability to develop efficient, safe, and innovative methodologies for complex infrastructure within live and constrained environments.

KEY PROJECTS

Botany Rail Duplication – Temporary Works Design, Structural Assessments

Sydney Metro Surface and Alignment Works – Construction Engineering Lead

Sydney Gateway – Temporary Works Design / Proof Engineering



VAN BARDZHAMIAN | SENIOR PROJECT MANAGER

Van Bardzhamian is an experienced program and project delivery leader with over 30 years in transport and civil infrastructure, including major rail and metro programs.

He has held senior client and delivery roles across Sydney Trains, Transport for NSW, and Lendlease, managing complex brownfield upgrades and constructability interfaces within live operational networks.

Van's leadership on projects such as the Sydney Trains Infrastructure Maintenance Depot Rationalisation Program, Epping to Chatswood Rail Link, and North Sydney Station Upgrade highlights his ability to drive collaboration, efficiency, and safe delivery in constrained environments.

KEY PROJECTS

Sydney Trains Infrastructure Maintenance Depot Rationalisation Program – Senior Project Manager

Epping to Chatswood Rail Link – Stations Delivery Manager

North Sydney Station Upgrade – Senior Project Engineer



JONATHAN DAVIES | CONSTRUCTION DIRECTOR

Jonathan has 27 years' experience in a wide range of construction sectors and roles. He has a strong background in the management of precast segmental bridge construction projects and training and management of multi-disciplinary teams and departments.

Jonathan is an expert solution provider with a proactive and practical attitude. He has proven his ability to innovate and develop concepts and processes and has over 20 years' experience in project and design management, stakeholder management, contract administration, resourcing, forecasting and cost control.

In more recent years he has also worked client side gaining experience in managing stakeholder expectations.

KEY PROJECTS

Fremantle Road Bridge Replacement – Construction Management

Cross River Rail – Engineering Management, Construction Advisory

Kangaroo Point Green Bridge – Temporary Works Design, Constructability



RACHAEL OERTEL | SENIOR PROJECT ENGINEER

Rachael brings strong technical capability to transport and infrastructure projects, ensuring constructability and compliance from design through delivery. Her strength lies in coordinating complex interfaces and managing risk to protect program outcomes.

Rachael is currently supporting the Antarctic Infrastructure Renewal Program as an Alliance Senior Project Engineer. The role focuses on modernising Davis Station, including seawater intake and RO plant, powerhouse construction and workshop upgrades. She prepares management plans and updates the risk register to support delivery and compliance.

With experience across major transport and infrastructure works, Rachael combines clear communication with a proactive approach to problem-solving. She drives quality and safety outcomes while keeping projects aligned with time and cost objectives. Her ability to integrate technical detail with stakeholder priorities supports reliable delivery.

KEY PROJECTS

WestConnex Stage 1B New M4 - Project Engineer

Parramatta Light Rail Stage 1 – Project Engineer – Design Coordinator

Antarctic Infrastructure Renewal Program – Alliance Senior Project Engineer

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BARRY PIKE | SENIOR CONSULTANT, BRIDGE/TEMP WORKS SME

Barry brings over 45 years' experience in heavy civil construction, temporary works design, and implementation across some of the most complex infrastructure projects. His expertise spans constructability from concept development and methodology planning through to detailed design, verification, and delivery support, underpinned by a deep understanding of contractor capabilities, resources, and operational constraints.

He is equally experienced in project and construction management, providing hands-on support through site inspections, programming, estimating, risk assessment, and claims evaluation. Barry's technical depth, practical mindset, and long-standing industry leadership enable him to anticipate challenges, resolve issues quickly, and deliver safe, efficient, and cost-effective outcomes.

His experience gives clients complete confidence in his ability to guide complex civil and rail projects from design through to successful completion.

KEY PROJECTS

Western Harbour Tunnel – Formwork
Concept Design & Constructability

Botany Rail Duplication – Temporary Works
Design for Bridge Demolition & Replacement

Sydney Metro Surface and Alignment Works (SCAW) –
Senior Consultant, Temporary Works Designer /
Independent Checker



CRAIG MURRAY | DESIGN, COMPLIANCE & COMPLETIONS MANAGER

Craig brings over 30 years' experience in civil and structural engineering across major infrastructure and building projects in Australia and abroad. His expertise spans design management, constructability assessment, compliance, and project completions, with a focus on optimising design and delivery for efficiency, safety, and quality assurance.

He has worked extensively within the rail sector, providing temporary works coordination, compliance management, and pre-contract support on large-scale programs involving complex stakeholder, design, and delivery interfaces.

Craig's methodical approach, technical depth, and hands-on delivery experience ensure cost-effective, compliant, and constructible solutions across all project stages.

KEY PROJECTS

ARTC Botany Rail Duplication – Temporary
Works Coordinator & Completions

Parramatta Light Rail Stage 2 Enabling
Works – Compliance Manager

M5 Westbound Traffic Upgrade –
Pre-Contracts Manager



FLORIAN WAGNER | PROJECT MANAGER

Florian brings more than 16 years' experience in civil and structural engineering across large-scale rail and infrastructure programs in Australia and New Zealand. His expertise spans constructability assessments, design coordination, procurement support, and on-site delivery across both greenfield and brownfield environments.

He has managed complex works in live rail and urban settings, integrating design and construction to achieve efficient and safe delivery. Florian's ability to balance technical, logistical, and stakeholder considerations ensures practical solutions that align with project objectives.

He has successfully managed high-risk projects in the \$50M-\$200M range, ensuring consistency, accuracy, and efficiency in delivery while integrating whole-life considerations across asset classes.

KEY PROJECTS

Parramatta Light Rail Stage 1 – Senior
Project Engineer

Sydney Metro Northwest, Rail Tunnel
& Surface Works – Sr Project Engineer

Sydney Light Rail CBD & Southeast –
Senior Project Engineer



MATTHEW SMITH | PROJECT MANAGER / CONSTRUCTABILITY ADVISOR

Matthew brings over 16 years' experience in the delivery and advisory of major transport infrastructure across both public and private sectors. His expertise includes constructability assessments, project management, and the delivery of complex civil and rail works across live and constrained environments.

He has advised on and managed projects involving road and rail interfaces, grade separations, and bridge upgrades, providing clients with clear, practical recommendations that enhance delivery efficiency and reduce risk. Matthew's strong technical and management capability makes him a trusted advisor across all stages of the project lifecycle.

His collaborative approach fosters innovation, accountability, and clear communication across multidisciplinary teams and stakeholders, enabling him to consistently drive program certainty, cost efficiency, and quality outcomes on major infrastructure works.

KEY PROJECTS

Milton Ulladulla Bypass – Constructability
Advisor

Sydney Trains Station Infrastructure
Upgrades – Project Manager

Wyong Town Centre & Pacific Hwy Upgrade
(Rail Interface) – Constructability Advisor

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STRATEGIC INFRASTRUCTURE ADVISORY

Strategic advice to shape procurement, define scope and optimise project direction from planning through delivery.

TRAFFIC & TRANSPORT

Specialist traffic engineering, traffic management and construction logistics advice including design services, traffic modelling, road safety auditing and independent review and certification.

DIGITAL CONSTRUCTION

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RAIL

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TUNNELS

AIRPORTS

MARINE

REGIONAL

ENERGY

DEFENCE

PORTS

WATER

STRUCTURES

COMMERCIAL ADVISORY

Managing commercial risk and protecting project value through contract management, claims support and compliance.

ASSET MANAGEMENT

Lifecycle planning, inspections and maintenance strategies to maximise long-term asset performance.

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CJC Management has taken all reasonable measures to ensure the accuracy and reliability of the information provided in this material, which is intended to offer helpful insights on the discussed subjects. The image material used is sourced from publicly available resources. Please note that any projects mentioned were undertaken with direct involvement of CJC personnel.



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